



AGENDA

North Carolina Board of Transportation
 1 South Wilmington Street, Raleigh, North Carolina 27601
 December 4-5, 2019

Wednesday, December 4, 2019

10:00AM – 10:30AM

Audit Committee	Room 160
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10:30AM – 11:15AM

Highway Committee	Room 150
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11:15AM – 11:45AM

Advanced Technologies Committee	EIC
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1:00PM

WORK SESSION – FULL BOARD ATTENDANCE

ROOM 150

Scenic By-Ways to the Board of Transportation	Jeff Lackey, Aesthetic Engineering Section Supervisor, Roadside Environmental Unit
Departmental Update	Johanna Reese, Deputy Secretary of Intergovernmental Affairs and Bobby Lewis, Chief Operating Officer
Product Evaluation Program Awareness Handout	Chairman Fox

BREAK

The committee will begin immediately following the work session and last approximately 60 minutes

Funding Appropriations and Strategy (FAST) Committee	EIC
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- Call to Order Chairman Fox
- Ethics Statement Chairman Fox
- Approval of November 7, 2019 Meeting Minutes Chairman Fox
- Road, Bridge and Ferry Naming Honorary Designations Secretary Trogdon
- Secretary's Remarks Secretary Trogdon
- Department of Justice Update Josh Stein, Attorney General

Information and Delegated Authority

Chairman Fox

- (Item C) Award of Highway Construction Contracts from November 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

Action

Chairman Fox

Turkey Creek Scenic Byway Proposal

Project Items

- (Item G) Additions, Abandonments, and Road Name Changes to State Secondary Road System
- (Item I) Public Transportation Program
 - (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 STIPS
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes for Powell Bill
- (Item R) Right of Way Resolutions and Ordinances

Committee Reports

Committee Chairs

Other Business

Chairman Fox

Adjourn

Chairman Fox

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

December 4-5, 2019

Delegated Authority Secretary Trogon

- (Item C) Award of Highway Construction Contracts from November 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) 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 **(No Item this Month)**
 - (Item I-1A) Public Transportation **(No Item this Month)**
 - (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 STIPS
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations **(No Item this Month)**
- (Item T) Submission of Comprehensive Transportation Plans for Mutual
Adoption by the Board of Transportation **(No Item this Month)**
- (Item V) **(No Item this Month)**

NCDOT Board of Transportation Agenda

ITEM C

November 19, 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.
NOVEMBER 19, 2019
DIVISION 00005

PAGE : 1 of 3
ITEM C

C204351
50118.3.GV1
NHPP-040-1(259)286
WAKE
I-5700

PROPOSAL LENGTH 0.798 MILES

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

LOCATION I-40 AND SR-3015 (AIRPORT BLVD) INTERCHANGE AND I-40 WESTBOUND FROM SR-3015 (AIRPORT BLVD) TO I-540.

EST CONST PROGRESS.... FY-2020..19% OF BID
FY-2021..31% OF BID
FY-2022..30% OF BID
FY-2023..18% OF BID
FY-2024..02% OF BID

RPN 001 6 BIDDER(S) DBE GOAL 11.00 %
ESTIMATE 36,092,130.41

DATE AVAILABLE DEC 30 2019

INTER COMPLETION AUG 15 2023 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR PERMENANT VEGETATION ESTABLISHMENT
MAY 01 2022 COMPLETE WORK REQUIRED OF INSTALLING & ERECTING EACH HIGH MOUNT STANDARD

FINAL COMPLETION FEB 11 2024

	\$ TOTALS	% DIFF
ZACHRY CONSTRUCTION CORPORATION SAN ANTONIO, TX	34,895,402.71	-3.3
FLATIRON CONSTRUCTORS INC MORRISVILLE, NC	36,701,210.77	+1.7
THALLE CONSTRUCTION CO., INC. HILLSBOROUGH, NC	38,481,583.28	+6.6
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	40,177,401.70	+11.3
CONTI ENTERPRISES, INC EDISON, NJ	40,511,757.00	+12.2
W C ENGLISH INCORPORATED LYNCHBURG, VA	42,049,616.46	+16.5

AWARDED

HIGHWAY LETTING
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH N.C.
 NOVEMBER 19, 2019
 DIVISION 00014

C204360
 32574.3.8
 APD-0069(007)
 CLAY
 A-0011C

PROPOSAL LENGTH 3.801 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.

LOCATION NC-69 FROM THE GEORGIA STATE LINE TO US-64 (HAYESVILLE BYPASS).

EST CONST PROGRESS.... FY-2020..18% OF BID
 FY-2021..32% OF BID
 FY-2022..28% OF BID
 FY-2023..20% OF BID
 FY-2024..02% OF BID

RPN 003 3 BIDDER(S) DBE GOAL 9.00 %
 ESTIMATE 43,334,641.80

DATE AVAILABLE JAN 06 2020
 INTER COMPLETION SEP 15 2023 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR
 PERMANENT VEGETATION ESTABLISHMENT
 FINAL COMPLETION MAR 13 2024

	\$ TOTALS	% DIFF
WRIGHT BROTHERS CONSTRUCTION COMPANY INC CHARLESTON, TN	46,327,228.88	+6.9
FLUOR UNITED ASHEVILLE LLC GREENVILLE, SC	51,542,400.00	+18.9
VECELLIO & GROGAN INC BECKLEY, WV	54,570,100.00	+25.9

ESTIMATE TOTAL	85,328,992.21	
LETTING TOTAL	86,720,251.59	+1.6

AWARDED

**NCDOT December 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 Deputy Secretary

Transportation Planning Division

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:	2017 Travel Demand Modeling LSC
Firm:	Cambridge Systematics Inc, Medford, MA
Original Engineering Fee:	\$1,000,000.00
Supplemental Fee:	One (1) Year Time Extension Only.
SPSF Utilization:	N/A
Description of work:	2017 Travel Demand Modeling LSC
Firm:	CDM Smith Inc, Atlanta, GA
Original Engineering Fee:	\$1,000,000.00
Supplemental Fee:	One (1) Year Time Extension Only.
SPSF Utilization:	N/A
Description of work:	2017 Travel Demand Modeling LSC
Firm:	Stantec Consulting Services Inc, Chicago, IL
Original Engineering Fee:	\$1,000,000.00
Supplemental Fee:	One (1) Year Time Extension Only.
SPSF Utilization:	N/A
Description of work:	2017 Travel Demand Modeling LSC
Firm:	WSP USA Inc, Raleigh, NC
Original Engineering Fee:	\$1,000,000.00
Supplemental Fee:	One (1) Year Time Extension Only.
SPSF Utilization:	N/A
Description of work:	2017 Travel Demand Modeling LSC
Firm:	Resource Systems Group Inc, White River Junction, VT
Original Engineering Fee:	\$1,000,000.00
Supplemental Fee:	One (1) Year Time Extension Only.
SPSF Utilization:	N/A

Chief Operating Officer

Chief Engineer

Divisions

Statewide

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: 2017 Statewide On-Call Construction Engineering & Inspection Services LSC
Firm: RK&K, Raleigh, NC
Original Engineering Fee: \$15,000,000.00
Previous Supplemental Fee: \$40,000,000.00
Supplemental Fee: \$5,000,000.00
SPSF Utilization: F&ME Consultants, Inc.
5% / \$250,000.00

Description of work: 2017 Statewide On-Call Construction Engineering & Inspection Services LSC
Firm: Kisinger Campo & Associates Corp, Tampa, FL
Original Engineering Fee: \$5,000,000.00
Previous Supplemental Fee: \$15,000,000.00
Supplemental Fee: \$5,000,000.00
SPSF Utilization: TGS Engineers
10% / \$500,000.00

Description of work: 2017 Statewide On-Call Construction Engineering & Inspection Services LSC
Firm: Vaughn & Melton Consulting Engineers Inc, Asheville, NC
Original Engineering Fee: \$15,000,000.00
Supplemental Fee: \$5,000,000.00
SPSF Utilization: Mattern & Craig Inc
10% / \$500,000.00
DBE/MBE Utilization: A1 Consulting Group, Inc.
10% / \$500,000.00

Description of work: 2017 Statewide On-Call Construction Engineering & Inspection Services LSC
Firm: Gannett Fleming Inc, Philadelphia, PA
Original Engineering Fee: \$5,000,000.00
Previous Supplemental Fee: \$25,000,000.00
Supplemental Fee: \$5,000,000.00
DBE/MBE/SPSF Utilization: CES Consulting LLC
20% / \$1,000,000.00

END of ITEM D.

December 5, 2019

**NCDOT DECEMBER 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 December 2019 Board meeting.

NCDOT December 5, 2019 Board of Transportation Agenda

Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
Division 2				
Pitt	51990		Woodmoor Farms	10/18/19
		0.23	Saddle Way	
		0.50	Trails End	
		0.10	Wesley Lane	
		0.10	Trotters Way	
		0.38	Mares Way	
Division 3				
New Hanover	51991		Greenbriar South	10/14/19
		0.07	Lone Eagle Court	
New Hanover	51992		Whitney Pines	10/17/19
		0.35	Extend SR 2722, Brittany Lakes Drive	
Division 4				
Edgecombe	51993		Harper Farm	
		0.27	Harper Farm Lane	
Johnston	51994		Carriage Creek	09/30/19
		0.24	Extend SR 3349, Carriage Creek Drive	
		0.16	Evie Drive	
		0.11	Edwin Lane	
Johnston	51995		Polenta Fields	08/29/19
		0.13	Polenta Fields Drive	
		0.23	Red Angus Drive	
		0.06	Black Horse Way	
Division 5				
Wake	51996		Ashebrook	10/24/19
		0.24	Cinder Bluff Drive	
		0.08	Wishing Willow Drive	
Wake	51997		Beau Pre' at Purnell	10/29/19
		0.36	Southmoor Hill Trail	
		0.15	Whisper Woods Way	
Wake	51998		Beau Pre' at Stoney Hill	10/29/19
		0.29	Harrison Ridge Road	
Wake	51999		Mac Tavish	11/05/19
		0.24	Extend SR 5698, Kyle Abbey Lane	
		0.11	Ray Family Farm Court	

NCDOT December 5, 2019 Board of Transportation Agenda

Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
Division 5 (Continued)				
Wake	52000	0.38	Savannah Oaks Yamacraw Drive	10/11/19
		0.07	Wormsloe Drive	
		0.14	Zeigler Drive	
Wake	52001	0.49	Silver Pointe Silver Farm Road	10/29/19
		0.12	Cotkin Lane	
		0.06	Kinleywood Court	
		0.05	Cotter Ridge Court	
		0.08	Silver Creek Lane	
		0.06	Yakimas Road	
Wake	52002	0.73	White Oak Landing Carley Circle	10/29/19
		0.25	Hayward Court	
		0.09	Glendora Court	
Division 7				
Alamance	52003	0.33	Hawthorne Thistle Downs Drive	08/22/19
		0.19	Rosemary Drive	
		0.05	Buckeye Court	
		0.30	Aster Way	
		0.04	Lavender Court	
		0.06	Goldenrod Court	
Guilford	52004	0.18	Deerview Deerview Court	09/06/19
Division 11				
Yadkin	52005	0.08	Country Estates Raven Hill Drive	10/21/19
Division 12				
Lincoln	52006	0.34	Cedar Hill Cedar Hill Drive	09/24/19
Division 14				
Clay	52007	0.57	Riverbend Valley Valley Hideaway Drive	08/29/19

NCDOT December 5, 2019 Board of Transportation Agenda

Abandonments from the State Highway System:

County	Pet. No.	Length Abandoned (Miles)	Description	Date of Report
Division 4				
Edgecombe	52008	0.42	SR 1299, Dodge Street Retain 0.00 miles	09/05/19
		0.38	SR 1326, Creek Street Retain 0.00 miles	
		0.14	SR 1327, Deer Street Retain 0.00 miles	
		0.11	SR 1335, Park Street Retain 0.00 miles	
Division 5				
Wake	52009	0.10	SR 5114, Rogers Branch Road Retain 0.20 miles	11/05/19
Division 7				
Guilford	52010	0.15	SR 5341, Carmon Road Retain 0.00 miles	06/27/19
Guilford	52011	0.38	SR 2110, Friddlewood Drive Retain 0.00 miles	07/17/19

Summary: **Number of roads petitioned for addition – 43**
Number of roads petitioned for abandonment - 7

Corrections to the State Highway System:

County	Requested Action
Craven	Petition 51940 approved on October 03, 2019 incorrectly added SR 2084 for 0.30 miles. This distance should be corrected to 0.31 miles retroactive to October 03, 2019.
Durham	Petition 22566 Sourwood Road SR 1758. This distance should be corrected to 0.26 miles retroactive to July 14, 1978. The new total length of maintenance for this SR route should be 0.26 miles.
Guilford	Petition 51942 approved on October 03, 2019 incorrectly added SR 5246 for 0.08 miles. This distance should be corrected to 0.09 miles retroactive to October 03, 2019.

NCDOT December 5, 2019 Board of Transportation Agenda**Corrections to the State Highway System (Continued):**

County	Requested Action
Johnston	Petition 26400 Jessica Street was incorrectly named, and the correct name is Faison Road. Also, the location of this road should be moved approximately 0.17 miles north from its current location. These changes are made retroactive to February 18, 1981
Johnston	Petition 43481 which was approved on 2/5/1999 added an incorrect distance of 0.35 miles. The total length of addition should be corrected to 0.42 miles total and spread across the two present day state routes along Fox Hollow Drive in the following manner. This correction is retroactive to 2/5/1999. SR 2037 – 0.15 miles SR 2038 – 0.27 miles

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

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

County	Description	Type	Amount
Div 3 Brunswick	WBS 47783 was established (02/18) to add traffic signal installation at the intersection of US 17 & NC 87 (Southern Intersection) Increase & close	High Impact / Low Cost	\$30,421.62
		<u>TOTAL</u>	<u>\$30,421.62</u>
Div 3 Onslow	Town of Swansboro – Sidewalk installation along NC-24 (Corbett Ave) from SR 1511 (Hammocks Beach Rd) to SR 1514 (Phillips Loop Rd); Old Hammocks Beach Rd from SR 1513 (Deer island Rd) to existing sidewalk near Fredericks Ln; SR 1511 (Hammocks Beach Rd) from Moore's BBQ sidewalk to Park Place Dr WBS 49065	Contingency	\$366,668.00
		<u>TOTAL</u>	<u>\$366,668.00</u>
Div 4 Johnston	ROW for Ranch Rd (SR 1560) extension; US-70 BUS/NC-42 to Ranch Rd; Local Match for U-6223 WBS 48811.2.1	Contingency	\$434,000.00
		<u>TOTAL</u>	<u>\$434,000.00</u>
Div 4 Johnston	Construction of Ranch Rd (SR 1560) extension; US-70 BUS/NC-42 to Ranch Rd; Local Match for U-6223 WBS 48811.3.1	Contingency	\$1,249,750.00
		<u>TOTAL</u>	<u>\$1,249,750.00</u>
Div 8 Richmond	WBS 44741 was established (3/16) for the construction of turn lanes for new Enviva Biomass Plant along NC-177 Increase funds	Contingency	\$212,795.62
		<u>TOTAL</u>	<u>\$212,795.62</u>
Div 10 Cabarrus	Town of Harrisburg – WBS 44833 was established (06/16) for the realignment of Saddle Creek at NC-49 Increase funds	Contingency	\$33,183.00
		<u>TOTAL</u>	<u>\$33,183.00</u>

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

County	Description	Type	Amount
Div 10 Mecklenburg	WBS 47809 was established (05/18) to widen Mt Holly-Huntersville Rd and add medians from intersection of Brookshire Blvd to 600' east of Pump Station Rd Increase & close	Contingency <hr/> TOTAL	\$26,500.00 <hr/> \$26,500.00
Div 11 Yadkin	WBS 48167 was established (06/18) to improve intersection of SR 1176 (Lydall Westex Rd) and SR 1103 and make improvements to better accommodate commercial traffic Increase funds	High Impact / Low Cost <hr/> TOTAL	\$79,433.47 <hr/> \$79,433.47
Div 12 Lincoln	WBS 47857 was established (02/18) for turn lane extensions, signalization, pavement markings and signing improvements to the superstreet intersection of NC 16 and Optimist Club Rd (SR 1380) Increase funds	High Impact / Low Cost <hr/> TOTAL	\$118,357.31 <hr/> \$118,357.31

Deletions:

Div 1, Division-wide – WBS 44467 was established (06/15) for installation of permanent raised pavement markers along various routes; work accomplished within other projects with alternate fund sources

Summary:	Number of Divisions	6
	Number of Projects	9
	Small Construction Commitment	\$0.00
	Public Access Commitment	\$0.00
	Contingency Commitment	\$2,322,896.62
	Economic Development Commitment	\$0.00
	High Impact/Low Cost Commitment	\$228,212.40
	TOTAL:	\$2,551,109.02

NCDOT December 2019 Board of Transportation Agenda

Public Transportation Program

Town/County Division	Project Description	Estimated Cost
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There will be no items presented for approval at the December 5, 2019, Board of Transportation meeting.

ITEM I - 1 SUMMARY – NO PROJECTS

NCDOT December 2019 Board of Transportation Agenda

Rail Program

**Town/County
Division**

Project Description

**Estimated
Cost**

There will be no items presented for approval at the December 5, 2019, Board of Transportation meeting.

ITEM I - 2 SUMMARY – NO PROJECTS

NCDOT December 2019 Board of Transportation Agenda

Division of Bicycle and Pedestrian Transportation

Town/County Division	Project Description	Estimated Cost
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There will be no items presented for approval at the December 5, 2019, Board of Transportation meeting.

ITEM I - 3 SUMMARY – NO PROJECTS

NCDOT December 2019 Board of Transportation Agenda

Aviation Program

**Division
Airport
County**

Project Description

Division 6
Harnett Regional
Jetport
Harnett County

Airfield Lighting Rehabilitation & Automated Weather Observing System Replacement (Construction only) (TBD)

Project will remove the existing lighting that has become a safety concern and provide new lighting systems for the runway and taxiway. The scope will also include relocation and replacement of the automated weather observing system (AWOS). [PR# 4045]

Division 4
Rocky Mount
Wilson Regional
Airport
Nash County

Runway and Taxiway Overlay Design (36244.72.1.1)

Additional funds are being requested to address existing runway deficiencies, create an alternate bid option and to design a new taxiway connector. [PR# 3594]

ITEM I - 4 SUMMARY – 2 PROJECTS – (TOTAL STATE AND FEDERAL COST) \$1,923,247

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

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Bertie Co. Div. 1 B-5941 STATEWIDE	WBS 46480.1.1 Bridge # 7 over Roanoke River on NC 45 / NC 308. \$250,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$186,041.73). Project is complete. WBS will be closed.	-\$186,041.73
Brunswick Co. Div. 3 R-2633A STATEWIDE	WBS 34491.2.8 US 17 / Wilmington Bypass from NC 87 south of Bishop to US 74-76 east of Malmo. \$29,487,000.00 has previously been approved for full right of way and utilities. Funds need to be decreased (\$5,029,546.85). This project has previously been identified as a Trust Fund Urban Loop project. Project is complete. WBS will be closed.	-\$5,029,546.85
Duplin Co. Div. 3 AV-5842 DIVISION	WBS 47195.3.1 Duplin County Airport (DPL). Widen runway and strengthen pavement to accommodate larger aircraft. \$5,517,000.00 has previously been approved for construction. Funds need to be decreased (\$244,050.34). Project is complete. WBS will be closed.	-\$244,050.34
Pender/ New Hanover Cos. Div. 3 R-3300 STATEWIDE	WBS 40237.4.S2 US 17 Hampstead Bypass from US 17 to US 17 north of Hampstead. \$4,700,000.00 has previously been approved for wetland mitigation and advanced acquisition of a parcel. Funds need to be decreased (\$2,240,668.09). Project is complete. WBS will be closed.	-\$2,240,668.09
Sampson Co. Div. 3 R-2303E DIVISION	WBS 34416.3.10 NC 24 from US 421 - 701 / SR 1296 (Sunset Avenue) to SR 1935 (Cecil Odie Road). Initial funds are requested for construction. This is a BUILD NC BOND project with a principal amount of \$8,000,000.00. Bond repayment requires \$686,000.00 of State Highway Trust funds in SFY 20 through SFY 34. This project also has \$22,900,000.00 in additional State Highway Trust Funds which is cash-flowed with \$2,290,000.00 in SFY 20 and \$10,305,000.00 in SFY 21 and SFY 22.	\$33,190,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Edgecombe Co. Div. 4 I-6041A STATEWIDE	WBS 47990.1.2 US 64 (Future I-87) Bridge rehabilitation for bridges 155, 148, 153, 156, 104, 320, 325, 154, 157 and 326. Initial funds are requested for preliminary engineering.	\$20,000.00
Edgecombe Co. Div. 4 I-6042A STATEWIDE	WBS 47991.1.2 US 64 (Future I-87) Bridge rehabilitation for bridges 327 and 328. Initial funds are requested for preliminary engineering.	\$15,000.00
Wayne Co. Div. 4 U-5938 REGIONAL	WBS 46888.2.1 US 13 (Berkeley Boulevard) at SR 1003 (New Hope Road). \$200,000.00 has previously been approved for full right of way and utilities. Funds need to be decreased (\$200,000.00). Project has been deleted. WBS will be closed.	-\$200,000.00
Wake/ Durham Cos. Div. 5 I-5702 STATEWIDE	WBS 46301.1.1 I-40, US 15/501 in Durham County to SR 1728 (Wade Avenue) in Wake County. \$10,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$10,000.00). Project has been deleted. WBS will be closed.	-\$10,000.00
Wake Co. Div. 5 R-2828 STATEWIDE	WBS 35516.1.TA3 Southern Wake Freeway (Future NC 540) from US 401 to I-40. Initial funds are requested for preliminary engineering for Transportation Infrastructure Finance and Innovation Act loan fees and associated debt.	\$1,000,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Harnett Co. Div. 6 U-5933 STATEWIDE	WBS 45943.3.1 NC 87/24 at SR 1117 (Nursery Road). Initial funds are requested for construction.	\$2,800,000.00
Robeson Co. Div. 6 I-6064 STATEWIDE	WBS 49067.1.1 I-95 from Milemarker 13 to Milemarker 22. Initial funds are requested for preliminary engineering.	\$10,000.00
Robeson Co. Div. 6 P-4900B STATEWIDE	WBS 41099.3.3 Railroad bypass of Pembroke to allow north to south shipments to turn east. \$1,425,525.00 has previously been approved for construction. Funds need to be decreased (\$15,775.84). Project is complete. WBS will be closed.	-\$15,775.84
Guilford Co. Div. 7 TD-5279 DIVISION	WBS 47401.3.1 Greensboro Transit Authority - Guilford County renovation of J. Douglas Gaylon Depot. Initial funds are requested for construction.	\$144,000.00
Guilford Co. Div. 7 U-2525B REGIONAL	WBS 34821.2.6 Greensboro Eastern Loop from north of US 70 to US 29 north of Greensboro. \$25,000.00 has previously been approved for Map Act Appraisals and to allow for future acquisition of specific parcels. Funds need to be decreased (\$25,000.00). This is a Strategic Transportation Investments Transition project. WBS will be closed.	-\$25,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Forsyth Co. Div. 9 R-2577A REGIONAL	WBS 37405.2.4 US 158 from multi-lanes north of US 421 / I-40 Business to SR 1965 (Belews Creek Road). \$146,445.00 has previously been approved for advanced acquisition of a specific parcel. Funds are requested for appraisal of Specific Parcels 600 and 601.	\$50,000.00
Rowan Co. Div. 9 I-5505 STATEWIDE	WBS 49012.1.2 I-85 from US 52 (Innes Street) and US 601 (Jake Alexander Boulevard) interchanges. \$300,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$6,753.67). Project is complete. WBS will be closed.	-\$6,573.67
Mecklenburg Co. Div. 10 C-5621 BONUS ALLOCATION	WBS 50146.2.2 US 21 and SR 2697 (Catawba Avenue) in Cornelius. \$457,600.00 has previously been approved for full right of way and utilities. Funds are reduced and will be replaced by Federal funding. WBS will be closed.	-\$457,600.00
Mecklenburg Co. Div. 10 C-5621 BONUS ALLOCATION	WBS 50146.1.2 US 21 and SR 2697 (Catawba Avenue) in Cornelius. \$166,000.00 has previously been approved for preliminary engineering. Funds are reduced and will be replaced by Federal funding. WBS will be closed.	-\$166,000.00
Mecklenburg Co. Div. 10 I-5905 STATEWIDE	WBS 45888.1.1 I-85 from 0.2 mile west of NC 16 (Brookshire Boulevard) to I-77. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$150,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Mecklenburg Co. Div. 10 U-2509A STATEWIDE	WBS 38965.1.2 US 74 (Independence Boulevard) from Independence Point Parkway, Northeast Parkway, Arequipa Drive and Krefeld Drive. Initial funds are requested for preliminary engineering.	\$750,000.00
Alexander Co. Div. 12 U-5801 REGIONAL	WBS 44373.3.1 NC 16 at intersection of NC 16 and US 64. \$190,000.00 has previously been approved for construction. Funds need to be decreased (\$57,247.51). Project is complete. WBS will be closed.	-\$57,247.51
Iredell Co. Div. 12 R-5100A DIVISION	WBS 41890.2.3 SR 1109 (Williamson Road) from I-77 to SR 1100 (Brawley School Road). Initial funds are requested for full right of way and utilities. This is a BUILD NC BOND project with a principal amount of \$7,000,000.00. Bond repayment requires \$600,000.00 of State Highway Trust funds in SFY 20 through SFY 34. This project also has \$1,000,000.00 in additional State Highway Trust Funds which is cash flowed with \$50,000.00 in SFY 20 and \$950,000.00 in SFY 21.	\$10,000,000.00
Buncombe Co. Div. 13 AV-5883 STATEWIDE	WBS 48141.3.1 Asheville Regional Airport. Expand terminal apron to the north. \$500,000.00 has previously been approved for construction. Additional funds are requested. Project is complete. WBS will be closed.	\$13,150.00
Cherokee Co. Div. 14 R-3622AB REGIONAL	WBS 38068.3.2 NC 294 from SR 1130 (Sunny Point Road) to SR 1309 (Sandy Gap Road). \$6,300,000.00 has previously been approved for construction. Funds need to be decreased (\$402,495.24). This project has previously been identified as a Trust Fund Specific State Funds for Construction project. Project is complete. WBS will be closed.	-\$402,495.24

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Henderson Co. Div. 14 R-5524D DIVISION	WBS 45817.3.4 Construct new access road into Ferncliff Industrial Park. \$1,015,687.00 has previously been approved for construction. Funds need to be decreased (\$46,994.71). This project has previously been identified as a Trust Fund Specific State Funds for Construction project. Project is complete. WBS will be closed.	-\$46,994.71
Macon Co. Div. 14 R-4748 DIVISION	WBS 40118.2.1 New route from SR 1660 (Siler Road) in Franklin to SR 1662 (Wiley Brown Road) south of US 441. \$6,616,068.00 has previously been approved for full right of way and utilities. Funds need to be decreased (\$420,566.96). This project has previously been identified as a Trust Fund Specific State Funds for Construction project. Project is complete. WBS will be closed.	-\$420,566.96
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	14 PROJECTS	-\$2,730,456.18
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	5 PROJECTS	-\$634,742.75
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	6 PROJECTS	\$42,622,387.99
BONUS ALLOCATION STRATEGIC TRANSPORTATION INVESTMENTS	2 PROJECTS	-\$623,600.00
STRATEGIC TRANSPORTATION INVESTMENTS	27 PROJECTS	\$38,633,589.06

*****REVISION** 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 BUILD NC BOND 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 Cash-flowed with \$6,125,000.00 in SFY 20 through SFY 23.	

*****REVISION** and resubmission from October 3, 2019 Board Approval (Page K-8)

As reads:

Richmond Co.	WBS 34542.3.7	\$78,800,000.00
Div. 8	US 220 Bypass from 0.3 mile south of SR 1140 (Old Charlotte Highway) to 0.2 mile southwest of SR 1304 (Harrington Road).	
R-3421B	\$88,850,000.00 has previously been approved for construction.	
DIVISION	Additional funds are requested to replace BUILD NC BOND funds and due to the increased estimate of \$103,300,000.00.	

***The revision should be:

Richmond Co.	WBS 34542.3.7	\$103,300,000.00
Div. 8	US 220 Bypass from 0.3 mile south of SR 1140 (Old Charlotte Highway) to 0.2 mile southwest of SR 1304 (Harrington Road).	
R-3421B	\$103,300,000.00 has previously been approved for construction. This is a Cash-flow project with \$25,825,000.00	
REGIONAL	In SFY 20 through SFY 23.	

**NCDOT December 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**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Bertie Co. Div. 1 SS-6001D	WBS 48965.3.1 US 17 from the US 17/US 17 Bypass split to approximately 1,200 feet east of the Salmon Creek Bridge. Initial Spot Safety construction funds are needed for rumble stripes installation. File 01-19-57690C	\$74,700.00
Bertie Co. Div. 1 SS-6001D	WBS 48965.1.1 US 17 from the US 17/US 17 Bypass split to approximately 1,200 feet east of the Salmon Creek Bridge. Initial Spot Safety preliminary engineering funds are needed for rumble stripes installation. File 01-19-57690P	\$15,300.00
Camden Co. Div. 1 SS-6001E	WBS 48966.3.1 US 17 at SR 1251 (Morgan's Corner Road). US 17 Northbound and US 17 Business. Initial Spot Safety construction funds are needed for median closure at SR 1251 and traffic signal installation at US 17 NB and US 17 Business. File 01-18-54172-1C	\$185,400.00
Camden Co. Div. 1 SS-6001E	WBS 48966.1.1 US 17 at SR 1251 (Morgan's Corner Road). US 17 Northbound and US 17 Business. Initial Spot Safety preliminary engineering funds are needed for median closure at SR 1251 and traffic signal installation at US 17 NB and US 17 Business. File 01-18-54172-1P	\$4,500.00
Craven Co. Div. 2 SS-6002D	WBS 48967.3.1 US 70 at SR 1116 (Thurman Road). Initial Spot Safety construction funds are needed for traffic signal revisions. File 02-19-55837C	\$11,700.00

December 5, 2019

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

L-2

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Craven Co. Div. 2 SS-6002D	WBS 48967.1.1 US 70 at SR 1116 (Thurman Road). Initial Spot Safety preliminary engineering funds are needed for traffic signal revisions. File 02-19-55837P	\$4,500.00
Bethel/ Pitt Co. Div. 2 SS-6002E	WBS 48968.3.1 US 64 Alternate (Washington Street) between 150 feet east of Bethel Elementary School and 150' east of Blount Fertilizer eastern entrance. Initial Spot Safety construction funds are needed for streetlight installation and revisions. File 02-19-57453C	\$9,000.00
Bethel/ Pitt Co. Div. 2 SS-6002E	WBS 48968.1.1 US 64 Alternate (Washington Street) between 150 feet east of Bethel Elementary School and 150' east of Blount Fertilizer eastern entrance. Initial Spot Safety preliminary engineering funds are needed for streetlight installation and revisions. File 02-19-57453P	\$900.00
Pitt Co. Div. 2 SS-6002F	WBS 48969.3.1 US 264 at DSM Dyneema entrance. Initial Spot Safety construction funds are needed for "Be Prepared to Stop" sign and flasher installation. File 02-19-56546C	\$40,500.00
Pitt Co. Div. 2 SS-6002F	WBS 48969.1.1 US 264 at DSM Dyneema entrance. Initial Spot Safety preliminary engineering funds are needed for "Be Prepared to Stop" sign and flasher installation. File 02-19-56546P	\$3,600.00

December 5, 2019

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

L-3

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Carolina Beach/ New Hanover Co. Div. 3 SS-6003F	WBS 48970.1.1 US 421 (Lake Park Boulevard) and Cape Fear Boulevard. Initial Spot Safety preliminary engineering funds are needed for traffic signal and pavement marking revisions. File 03-19-57641P	\$10,800.00
Carolina Beach/ New Hanover Co. Div. 3 SS-6003F	WBS 48970.3.1 US 421 (Lake Park Boulevard) and Cape Fear Boulevard. Initial Spot Safety construction funds are needed for traffic signal and pavement marking revisions. File 03-19-57641C	\$43,200.00
Princeville/ Edgecombe Co. Div. 4 SS-6004G	WBS 48972.3.1 US 258/NC 11/NC 122 (Mutual Boulevard) at US 64 ALT/NC 33 (Main Street). Initial Spot Safety construction funds are needed for traffic signal and pavement marking revisions. File 04-19-57819C	\$22,500.00
Princeville/ Edgecombe Co. Div. 4 SS-6004G	WBS 48972.1.1 US 258/NC 11/NC 122 (Mutual Boulevard) at US 64 ALT/NC 33 (Main Street). Initial Spot Safety preliminary engineering funds are needed for traffic signal and pavement marking revisions. File 04-19-57819P	\$2,700.00
Wayne Co. Div. 4 SM-5704I	WBS 48995.3.1 NC 111 at SR 1744 (Indian Springs Road). Initial Spot Mobility construction funds are needed for widening, island construction, and traffic signal installation. File 04-19-57384C	\$133,000.00

December 5, 2019

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

L-4

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wayne Co. Div. 4 SM-5704I	WBS 48995.1.1 NC 111 at SR 1744 (Indian Springs Road). Initial Spot Mobility preliminary engineering funds are needed for widening, island construction, and traffic signal installation. File 04-19-57384P	\$15,000.00
Wayne Co. Div. 4 SS-4904DW	WBS 44936.3.1 SR 1958 (Bennetts Bridge Road) near the Duplin County Line. \$180,000 in Spot Safety construction funds has previously been approved for superelevation improvements and guardrail installation. Revise scope to include ditch and shoulder improvements. Additional funds are needed due to the scope change. File 04-15-36806-1	\$80,000.00
Wayne Co. Div. 4 SS-6004F	WBS 48971.3.1 SR 1534 (Big Daddy's Road) at SR 1543 (Lancaster Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 04-19-57133C	\$18,000.00
Wayne Co. Div. 4 SS-6004F	WBS 48971.1.1 SR 1534 (Big Daddy's Road) at SR 1543 (Lancaster Road). Initial Spot Safety preliminary engineering funds are needed for All-Way Stop installation. File 04-19-57133P	\$4,500.00
Wake Co. Div. 5 SM-5705AJ	WBS 48996.2.1 SR 1007 (Poole Road) at SR 2233 (Smithfield Road). Initial Spot Mobility right of way and utilities funds are needed for left turn lane construction. File 05-18-54622R	\$55,000.00

December 5, 2019

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

L-5

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wake Co. Div. 5 SM-5705AJ	WBS 48996.3.1 SR 1007 (Poole Road) at SR 2233 (Smithfield Road). Initial Spot Mobility construction funds are needed for left turn lane construction. File 05-18-54622C	\$605,000.00
Wake Co. Div. 5 SM-5705AJ	WBS 48996.1.1 SR 1007 (Poole Road) at SR 2233 (Smithfield Road). Initial Spot Mobility preliminary engineering funds are needed for left turn lane construction. File 05-18-54622P	\$90,000.00
Wake Co. Div. 5 SS-6005A	WBS 48839.2.1 NC 42 from SR 5330 to SR 5367 and NC 42 at SR 2727 (Sauls Road). \$44,500.00 in Spot Safety right of way and utilities funds has previously been approved for a three-lane cross section installation and turn lane construction. Transfer \$44,500 from SS-6005A (WBS 48839.2.1) to W-5601EX (WBS 50138.2.155) to cover the 20% state match needed, and then close WBS 48839.2.1. File 05-14-8133-2	
Wake Co. Div. 5 SS-6005E	WBS 49038.3.1 NC 98 at SR 2057-4465 (Moores Pond Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 05-19-57124-1C	\$13,500.00
Columbus Co. Div. 6 SS-6006E	WBS 48974.3.1 US 74 Business at SR 1005 (Peacock Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 06-17-45024-1C	\$19,800.00

December 5, 2019

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

L-6

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Columbus Co. Div. 6 SS-6006E	WBS 48974.1.1 US 74 Business at SR 1005 (Peacock Road). Initial Spot Safety preliminary engineering funds are needed for All-Way Stop installation. File 06-17-45024-1P	\$900.00
Columbus Co. Div. 6 SS-6006E	WBS 48974.2.1 US 74 Business at SR 1005 (Peacock Road). Initial Spot Safety right of way and utilities funds are needed for All-Way Stop installation. File 06-17-45024-1R	\$1,800.00
Harnett Co. Div. 6 SS-6006F	WBS 48975.3.1 SR 1703 (Red Hill Church Road) at SR 1725 (Ashe Avenue), SR 1516 (Sheriff Johnson Road) at SR 1542 (Johnson Farm Road/Old Buies Creek Road). SR 1513 (Neils Creek Road) at SR 1516 (Old Coats Road/Sheriff Johnson Road). Initial Spot Safety construction funds are needed for flasher revisions at SR 1703 at SR 1725 and All-Way Stop installations. File 06-19-57584C	\$49,500.00
Harnett Co. Div. 6 SS-6006F	WBS 48975.1.1 SR 1703 (Red Hill Church Road) at SR 1725 (Ashe Avenue), SR 1516 (Sheriff Johnson Road) at SR 1542 (Johnson Farm Road/Old Buies Creek Road). SR 1513 (Neils Creek Road) at SR 1516 (Old Coats Road/Sheriff Johnson Road). Initial Spot Safety preliminary engineering funds are needed for flasher revisions at SR 1703 at SR 1725 and All-Way Stop installations. File 06-19-57584P	\$3,600.00
Harnett Co. Div. 6 SS-6006F	WBS 48975.2.1 SR 1703 (Red Hill Church Road) at SR 1725 (Ashe Avenue), SR 1516 (Sheriff Johnson Road) at SR 1542 (Johnson Farm Road/Old Buies Creek Road). SR 1513 (Neils Creek Road) at SR 1516 (Old Coats Road/Sheriff Johnson Road). Initial Spot Safety right of way and utilities funds are needed for flasher revisions at SR 1703 at SR 1725 and All-Way Stop installations. File 06-19-57584R	\$5,400.00

December 5, 2019

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

L-7

**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**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Robeson Co. Div. 6 SS-6006D	WBS 48973.3.1 US 301 at SR 1529 (Powersville Road/Mt Olive Church Road). NC 72 at SR 1003 (Chicken Road). SR 1527 (Pine Log Road) at SR 1532 (Norment Road). SR 1001 (Shannon Road) at SR 1318 (McQueen Road). US 74 Alternate at SR 1003 (Chicken Road). SR 1945 (Meadow Road) at SR 1948 (Bee Gee Road). NC 41 at NC 904. Initial Spot Safety construction funds are needed for All-Way Stop installations. File 06-19-57475C	\$243,000.00
Robeson Co. Div. 6 SS-6006D	WBS 48973.1.1 US 301 at SR 1529 (Powersville Road/Mt Olive Church Road). NC 72 at SR 1003 (Chicken Road). SR 1527 (Pine Log Road) at SR 1532 (Norment Road). SR 1001 (Shannon Road) at SR 1318 (McQueen Road). US 74 Alternate at SR 1003 (Chicken Road). SR 1945 (Meadow Road) at SR 1948 (Bee Gee Road). NC 41 at NC 904. Initial Spot Safety preliminary engineering funds are needed for All-Way Stop installations. File 06-19-57475P	\$9,000.00
Robeson Co. Div. 6 SS-6006D	WBS 48973.2.1 US 301 at SR 1529 (Powersville Road/Mt Olive Church Road). NC 72 at SR 1003 (Chicken Road). SR 1527 (Pine Log Road) at SR 1532 (Norment Road). SR 1001 (Shannon Road) at SR 1318 (McQueen Road). US 74 Alternate at SR 1003 (Chicken Road). SR 1945 (Meadow Road) at SR 1948 (Bee Gee Road). NC 41 at NC 904. Initial Spot Safety right of way and utilities funds are needed for All-Way Stop installations. File 06-19-57475R	\$13,500.00
Robeson Co. Div. 6 SS-6006G	WBS 48976.3.1 NC 710 at SR 1340 (Prospect Road). Initial Spot Safety construction funds are needed for flasher and All-Way Stop installation and concrete island construction. File 06-19-57643-1C	\$71,100.00

December 5, 2019

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

L-8

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Robeson Co. Div. 6 SS-6006G	WBS 48976.1.1 NC 710 at SR 1340 (Prospect Road). Initial Spot Safety preliminary engineering funds are needed for flasher and All-Way Stop installation and concrete island construction. File 06-19-57643-1P	\$900.00
Robeson Co. Div. 6 SS-6006G	WBS 48976.2.1 NC 710 at SR 1340 (Prospect Road). Initial Spot Safety right of way and utilities funds are needed for flasher and All-Way Stop installation and concrete island construction. File 06-19-57643-1R	\$1,800.00
Rockingham Co. Div. 7 SS-6007D	WBS 48977.3.1 NC 65 at SR 2380 (Baker Crossroad Road) west of Reidsville. Initial Spot Safety construction funds are needed for flasher installation. File 07-19-7988C	\$13,500.00
Rockingham Co. Div. 7 SS-6007D	WBS 48977.1.1 NC 65 at SR 2380 (Baker Crossroad Road) west of Reidsville. Initial Spot Safety preliminary engineering funds are needed for flasher installation. File 07-19-7988P	\$3,600.00
Rockingham Co. Div. 7 SS-6007D	WBS 48977.2.1 NC 65 at SR 2380 (Baker Crossroad Road) west of Reidsville. Initial Spot Safety right of way and utilities funds are needed for flasher installation. File 07-19-7988R	\$900.00
Lee Co. Div. 8 SS-6008E	WBS 48980.2.1 SR 1001 (Edwards Road) at SR 1144 (Greenwood Road/Swanns Station Road). Initial Spot Safety right of way and utilities funds are needed for All-Way Stop installation.	\$1,800.00

December 5, 2019

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

L-9

**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**

File 08-19-57795R

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Lee Co. Div. 8 SS-6008E	WBS 48980.3.1 SR 1001 (Edwards Road) at SR 1144 (Greenwood Road/Swanns Station Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 08-19-57795C	\$9,000.00
Lee Co. Div. 8 SS-6008E	WBS 48980.1.1 SR 1001 (Edwards Road) at SR 1144 (Greenwood Road/Swanns Station Road). Initial Spot Safety preliminary engineering funds are needed for All-Way Stop installation. File 08-19-57795P	\$2,700.00
Moore Co. Div. 8 SS-6008C	WBS 48978.2.1 NC 73 along the curve northeast of SR 1131 (Provost Road). Initial Spot Safety right of way and utilities funds are needed for curve improvements. File 08-19-57881R	\$1,800.00
Moore Co. Div. 8 SS-6008C	WBS 48978.1.1 NC 73 along the curve northeast of SR 1131 (Provost Road). Initial Spot Safety preliminary engineering funds are needed for curve improvements. File 08-19-57881P	\$2,700.00
Moore Co. Div. 8 SS-6008C	WBS 48978.3.1 NC 73 along the curve northeast of SR 1131 (Provost Road). Initial Spot Safety construction funds are needed for curve improvements. File 08-19-57881C	\$45,000.00

December 5, 2019

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

L-10

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Pinehurst/ Moore Co. Div. 8 SS-6008F	WBS 48981.3.1 SR 1205 (Morganton Road) golf equipment crossing. Initial Spot Safety construction funds are needed for signing and delineation revisions. File 08-19-57861C	\$9,900.00
Hoffman/ Richmond Co. Div. 8 SS-6008D	WBS 48979.1.1 US 1 south of SR 1475 (Caddell Road). Initial Spot Safety preliminary engineering funds are needed for open graded friction course installation. File 08-19-57796P	\$2,700.00
Hoffman/ Richmond Co. Div. 8 SS-6008D	WBS 48979.3.1 US 1 south of SR 1475 (Caddell Road). Initial Spot Safety construction funds are needed for open graded friction course installation. File 08-19-57796C	\$342,000.00
Thomasville/ Davidson Co. Div. 9 SS-6009B	WBS 48983.3.1 SR 2055 (Liberty Drive)/SR 2165 (Turner Street) at SR 2053 (Blair Street). Initial Spot Safety construction funds are needed for traffic signal revisions. File 09-19-7602C	\$75,600.00
Thomasville/ Davidson Co. Div. 9 SS-6009B	WBS 48983.1.1 SR 2055 (Liberty Drive)/SR 2165 (Turner Street) at SR 2053 (Blair Street). Initial Spot Safety preliminary engineering funds are needed for traffic signal revisions. File 09-19-7602P	\$4,500.00

December 5, 2019

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

L-11

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Thomasville/ Davidson Co. Div. 9 SS-6009B	WBS 48983.2.1 SR 2055 (Liberty Drive)/SR 2165 (Turner Street) at SR 2053 (Blair Street). Initial Spot Safety right of way and utilities funds are needed for traffic signal revisions. File 09-19-7602R	\$900.00
Mocksville/ Davie Co. Div. 9 SS-6009D	WBS 48985.1.1 US 158 (Main Street) at Depot Street, US 158 (North Main Street) at Court Square and US 158 (South Main Street) at Court Square. Initial Spot Safety preliminary engineering funds are needed for traffic signal revisions and pedestrian accommodation improvements. File 09-19-7850P	\$4,500.00
Mocksville/ Davie Co. Div. 9 SS-6009D	WBS 48985.3.1 US 158 (Main Street) at Depot Street, US 158 (North Main Street) at Court Square and US 158 (South Main Street) at Court Square. Initial Spot Safety construction funds are needed for traffic signal revisions and pedestrian accommodation improvements. File 09-19-7850C	\$72,000.00
Winston-Salem/ Forsyth Co. Div. 9 SS-6009A	WBS 48982.3.1 NC 67 (Silas Creek Parkway) at the Bolton Street interchange bridge. Initial Spot Safety construction funds are needed for crash attenuator and guardrail installation. File 09-19-7926C	\$77,850.00
Winston-Salem/ Forsyth Co. Div. 9	WBS 48982.1.1 NC 67 (Silas Creek Parkway) at the Bolton Street interchange bridge. Initial Spot Safety preliminary engineering funds are needed for crash attenuator and guardrail installation.	\$11,700.00

December 5, 2019

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

L-12

**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**

SS-6009A File 09-19-7926P

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Winston- Salem/ Forsyth Co. Div. 9 SS-6009C	WBS 48984.1.1 SR 3011 (Old Salisbury Road) from just south of SR 2985 (Greenhouse Road) northward to Ridge Meadow Road. Initial Spot Safety preliminary engineering funds are needed for curve and roadway improvements. File 09-19-7997P	\$45,000.00
Winston- Salem/ Forsyth Co. Div. 9 SS-6009C	WBS 48984.3.1 SR 3011 (Old Salisbury Road) from just south of SR 2985 (Greenhouse Road) northward to Ridge Meadow Road. Initial Spot Safety construction funds are needed for curve and roadway improvements. File 09-19-7997C	\$225,000.00
China Grove/ Rowan Co. Div. 9 SM-5709G	WBS 48997.2.1 US 29 at NC 152 (E Church Street)/SR 1337 (Lentz Road) in China Grove. Initial Spot Mobility right of way and utilities funds are needed for left turn lane construction. File 09-18-883R	\$75,000.00
China Grove/ Rowan Co. Div. 9 SM-5709G	WBS 48997.1.1 US 29 at NC 152 (E Church Street)/SR 1337 (Lentz Road) in China Grove. Initial Spot Mobility preliminary engineering funds are needed for left turn lane construction. File 09-18-883P	\$35,000.00
China Grove/ Rowan Co. Div. 9 SM-5709G	WBS 48997.3.1 US 29 at NC 152 (E Church Street)/SR 1337 (Lentz Road) in China Grove. Initial Spot Mobility construction funds are needed for left turn lane construction File 09-18-883C	\$290,000.00

December 5, 2019

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

L-13

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Concord/ Cabarrus Co. Div. 10 SS-6010D	WBS 48986.3.1 NC 73 (Davidson Highway) at Central Drive. Initial Spot Safety construction funds are needed for roadway and pavement marking improvements. File 10-19-201C	\$20,700.00
Concord/ Cabarrus Co. Div. 10 SS-6010D	WBS 48986.1.1 NC 73 (Davidson Highway) at Central Drive. Initial Spot Safety preliminary engineering funds are needed for roadway and pavement marking improvements. File 10-19-201P	\$2,700.00
Concord/ Cabarrus Co. Div. 10 SS-6010E	WBS 48987.3.1 NC 73 (Church Street) at SR 1002 (Cabarrus Avenue). Initial Spot Safety construction funds are needed for traffic signal and pavement marking revisions. File 10-19-225C	\$2,250.00
Concord/ Cabarrus Co. Div. 10 SS-6010E	WBS 48987.1.1 NC 73 (Church Street) at SR 1002 (Cabarrus Avenue). Initial Spot Safety preliminary engineering funds are needed for traffic signal and pavement marking revisions. File 10-19-225P	\$900.00
Alexander Co. Div. 12 SM-5712H	WBS 48999.1.1 Bethlehem Elementary School at NC 127 and SR 1146 (Bethlehem School Road). Initial Spot Mobility preliminary engineering funds are needed for improvements to the internal queuing capacity of the school to allow all school traffic to be contained within the school property and not queued up on adjacent roads. File 12-19-209P	\$42,000.00

December 5, 2019

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

L-14

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Alexander Co. Div. 12 SM-5712H	WBS 48999.2.1 Bethlehem Elementary School at NC 127 and SR 1146 (Bethlehem School Road). Initial Spot Mobility right of way and utilities funds are needed for improvements to the internal queuing capacity of the school to allow all school traffic to be contained within the school property and not queued up on adjacent roads. File 12-19-209R	\$145,000.00
Alexander Co. Div. 12 SM-5712H	WBS 48999.3.1 Bethlehem Elementary School at NC 127 and SR 1146 (Bethlehem School Road). Initial Spot Mobility construction funds are needed for improvements to the internal queuing capacity of the school to allow all school traffic to be contained within the school property and not queued up on adjacent roads. File 12-19-209C	\$235,000.00
Hickory/ Catawba Co. Div. 12 SS-6012B	WBS 48989.1.1 US 70/US 321 Business at SR 1462 (10th Avenue Drive SE)/ SR 1171 (6th Street SE). Initial Spot Safety preliminary engineering funds are needed for median removal and left turn lane revisions. File 12-19-203P	\$9,000.00
Hickory/ Catawba Co. Div. 12 SS-6012B	WBS 48989.2.1 US 70/US 321 Business at SR 1462 (10th Avenue Drive SE)/ SR 1171 (6th Street SE). Initial Spot Safety right of way and utilities funds are needed for median removal and left turn lane revisions. File 12-19-203R	\$900.00
Hickory/ Catawba Co. Div. 12 SS-6012B	WBS 48989.3.1 US 70/US 321 Business at SR 1462 (10th Avenue Drive SE)/ SR 1171 (6th Street SE). Initial Spot Safety construction funds are needed for median removal and left turn lane revisions. File 12-19-203C	\$63,900.00

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

L-15

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Lincoln Co. Div. 12 SS-6012C	WBS 48990.3.1 NC 73 at both intersection entrances to Lowe's/Walmart. Initial Spot Safety construction funds are needed for traffic signal and pavement marking revisions. File 12-19-206C	\$54,000.00
Lincoln Co. Div. 12 SS-6012C	WBS 48990.1.1 NC 73 at both intersection entrances to Lowe's/Walmart. Initial Spot Safety preliminary engineering funds are needed for traffic signal and pavement marking revisions. File 12-19-206P	\$9,000.00
Asheville/ Buncombe Co. Div. 13 SM-5713I	WBS 49034.1.1 US 25 (Hendersonville Rd.) at NC 146 (Long Shoals Rd.)/ SR 3181 (Miller Rd.), in Asheville. Initial Spot Mobility preliminary engineering funds are needed for right turn lane extension. File 13-19-214P	\$100,000.00
Asheville/ Buncombe Co. Div. 13 SM-5713I	WBS 49034.2.1 US 25 (Hendersonville Rd.) at NC 146 (Long Shoals Rd.)/ SR 3181 (Miller Rd.), in Asheville. Initial Spot Mobility right of way and utilities funds are needed for right turn lane extension. File 13-19-214R	\$275,000.00
Asheville/ Buncombe Co. Div. 13 SM-5713I	WBS 49034.3.1 US 25 (Hendersonville Rd.) at NC 146 (Long Shoals Rd.)/ SR 3181 (Miller Rd.), in Asheville. Initial Spot Mobility construction funds are needed for right turn lane extension. File 13-19-214C	\$344,000.00

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

L-16

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Burke Co. Div. 13 SS-6013C	WBS 48991.2.1 US 70 from the Morganton city limit to 0.3 mile east of SR 1525 (east intersection) near Morganton. Initial Spot Safety right of way and utilities funds are needed for rumble stripes and longlife pavement marking installation. File 13-19-212R	\$900.00
Burke Co. Div. 13 SS-6013C	WBS 48991.1.1 US 70 from the Morganton city limit to 0.3 mile east of SR 1525 (east intersection) near Morganton. Initial Spot Safety preliminary engineering funds are needed for rumble stripes and longlife pavement marking installation. File 13-19-212P	\$9,000.00
Burke Co. Div. 13 SS-6013C	WBS 48991.3.1 US 70 from the Morganton city limit to 0.3 mile east of SR 1525 (east intersection) near Morganton. Initial Spot Safety construction funds are needed for rumble stripes and longlife pavement marking installation. File 13-19-212C	\$90,000.00
Graham Co. Div. 14 SS-6014E	WBS 48994.2.1 US 129 (Tapoco Road) from SR 1156 to SR 1117 near Robbinsville. Initial Spot Safety right of way and utilities funds are needed for pedestrian accommodations. File 14-19-210R	\$9,000.00
Graham Co. Div. 14 SS-6014E	WBS 48994.3.1 US 129 (Tapoco Road) from SR 1156 to SR 1117 near Robbinsville. Initial Spot Safety construction funds are needed for pedestrian accommodations. File 14-19-210C	\$225,000.00

December 5, 2019

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

L-17

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Graham Co. Div. 14 SS-6014E	WBS 48994.1.1 US 129 (Tapoco Road) from SR 1156 to SR 1117 near Robbinsville. Initial Spot Safety preliminary engineering funds are needed for pedestrian accommodations. File 14-19-210P	\$18,000.00
Haywood Co. Div. 14 SS-6014C	WBS 48992.1.1 I-40 Westbound off-ramp to US 74 Westbound (Exit 27) near Clyde. Initial Spot Safety preliminary engineering funds are needed for guardrail installation. File 14-19-208P	\$1,800.00
Haywood Co. Div. 14 SS-6014C	WBS 48992.2.1 I-40 Westbound off-ramp to US 74 Westbound (Exit 27) near Clyde. Initial Spot Safety right of way and utilities funds are needed for guardrail installation. File 14-19-208R	\$900.00
Haywood Co. Div. 14 SS-6014C	WBS 48992.3.1 I-40 Westbound off-ramp to US 74 Westbound (Exit 27) near Clyde. Initial Spot Safety construction funds are needed for guardrail installation. File 14-19-208C	\$15,300.00
Swain Co. Div. 14 SS-6014D	WBS 48993.3.1 US 19-74, 0.41 mile east of SR 1305 near Bryson City. Initial Spot Safety construction funds are needed for guardrail installation. File 14-19-209C	\$18,900.00

December 5, 2019

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

L-18

**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**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Swain Co. Div. 14 SS-6014D	WBS 48993.1.1 US 19-74, 0.41 mile east of SR 1305 near Bryson City. Initial Spot Safety preliminary engineering funds are needed for guardrail installation. File 14-19-209P	\$1,800.00
Swain Co. Div. 14 SS-6014D	WBS 48993.2.1 US 19-74, 0.41 mile east of SR 1305 near Bryson City. Initial Spot Safety right of way and utilities funds are needed for guardrail installation. File 14-19-209R	\$900.00
ITEM L SUMMARY	87 PROJECTS	\$4,912,100.00

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

Division 1

Rail Program

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Northampton Co. Z-5700AB DIVISION	44803.3.29, RR-0186(003) Railway-Highway Grade Crossing Safety Project at NC 186 and CSX Crossing #630 089V near Margarettsville. Funds are needed for construction to revise crossing signals and gates.	\$325,000.00 Cost \$292,500.00 Fed. \$32,500.00 State

Rural

Dare Co. R-5014 DIVISION	41162.2.1, STP-1217(6) SR 1217 (Collington Road) from the dead end to US 158 (Croatan Highway) in Kill Devil Hills. \$1,325,000.00 has previously been approved for right of way and utilities. Additional funds are needed as requested.	\$4,000,000.00 Cost \$3,200,000.00 Fed. \$800,000.00 State
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**NCDOT December 2019 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 2

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Lenoir Co. W-5702S REGIONAL	44848.2.19, HSIP-0070(229) US 70 at the Lowes Entrance and Pinelawn Memorial Park. Funds are needed for full right of way and utilities.	\$101,000.00 Cost \$90,900.00 Fed. \$10,100.00 State

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

Division 3

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
New Hanover Co. U-5710A STATEWIDE	50115.3.2, Federal No. 0074228 US 74 / Drysdale Drive Extension - US 74 (Eastwood Drive) from SR 1409 (Military Cutoff Road) at Drysdale Drive to US 74 (Eastwood Road). Funds are needed for construction to build roadway on new location.	\$4,283,281.00 Cost \$3,426,624.00 Fed. \$856,657.00 State

Bicycle and Pedestrian

New Hanover Co. EB-6028 DIVISION	48749.1.1, TAPDA-0017(184) US 17 Business / Market Street and 21st Street in Wilmington. Funds are needed for preliminary engineering.	\$12,000.00 Cost \$9,600.00 Fed. \$2,400.00 Local
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**NCDOT December 2019 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wayne Co. I-6047 STATEWIDE	47996.3.GV1, NHPIM-0795(008) I-795 from the Wilson County Line to SR 2075 (Ash Street) in Goldsboro. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published October 11, 2019. This is a GARVEE BOND project with a principal amount of \$5,997,757.00. Repayment of the bond requires \$515,000.00 of Federal Funds in FFY20 through FFY34 and State Match funds of \$3,229,561.00 in FFY20.	\$10,954,561.00 Cost \$7,725,000.00 Fed. \$3,229,561.00 State

Safety

Wilson Co. W-5804A REGIONAL	48949.1.2, Federal No. 0301046 Intersection and safety improvements at US 301 and NC 581 near Kenly. Funds are needed for preliminary engineering.	\$200,000.00 Cost \$180,000.00 Fed. \$20,000.00 State
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**NCDOT December 2019 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wake Co. C-5604RA EXEMPT	43714.3.13, CMAQ-0508(009) Timber Drive Sidewalk and Pedestrian Crosswalks in Garner. \$338,584.00 has previously been approved for construction. Additional funds are needed as requested to complete pedestrian improvements.	\$418,978.00 Cost \$335,182.00 Fed. \$83,796.00 Local

Urban

Wake Co. U-6222 REGIONAL	48812.1.1, Federal No. 0098036 NC 98 and Camp Kanata Road in Wake Forest. Funds are needed for preliminary engineering. The state match for this project uses Spot Mobility funds, of which \$14,505.00 is non- participating.	\$164,505.00 Cost \$120,000.00 Fed. \$44,505.00 State
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Safety

Wake Co. W-5601EX REGIONAL	50138.2.155, HSIP-0042(066) NC 42 from SR 5330 (Field Hill Road) to SR 5367 (Winterton Drive) near Willow Spring. \$230,000.00 has previously been approved for right of way and utilities. Additional funds are needed as requested. The state match for this request uses Spot Safety Funds that were originally programmed under SS-6005A.	\$221,875.00 Cost \$177,500.00 Fed. \$44,375.00 State
Wake Co. W-5601EX REGIONAL	50138.1.155, HSIP-0042(066) NC 42 from SR 5330 (Field Hill Road) to SR 5367 (Winterton Drive) near Willow Springs. \$135,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested. The state match for this request uses Spot Safety Funds that were originally programmed under SS-6005A.	\$242,188.00 Cost \$193,750.00 Fed. \$48,438.00 State

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

Division 5 (Continued)

Bicycle and Pedestrian

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Durham Co. EB-5715 DIVISION	50411.2.1, TAP-0501(043) US 501 Bypass (North Duke Street) from Murray Avenue to US 501 Business (North Roxboro Road) in Durham. Funds are needed for full right of way and utilities.	\$296,000.00 Cost \$236,800.00 Fed. \$59,200.00 Local
Wake Co. EB-6019 DIVISION	48816.1.1, Federal No. 1306033 Pedestrian improvements along SR 1306 (Laura Duncan Road) from Apex Community Park to North Salem Street in Apex. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$7,000.00 Fed. \$3,000.00 Local

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

Division 6

Enhancement

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Harnett Co. ER-5600FM DIVISION	46305.3.54, Federal No. 0401306 Landscape planting along US 401 / NC 210 (South Main Street) from Harnett Street to US 421 (Front Street) in Lillington. Funds are needed for vegetation management.	\$170,000.00 Cost \$136,000.00 Fed. \$34,000.00 State

Urban

Robeson Co. U-5925(L) DIVISION	46874.3.2, HSIP-1340(12) Landscape development for U-5925: SR 1340 (North Odum Street / Prospect Road) from SR 1566 (Cornith Street) to NC 711 (3rd Street) in Pembroke. Funds are needed for landscaping and irrigation. This project includes \$73,400.00 of non-participating local funds.	\$151,580.00 Cost \$62,544.00 Fed. \$15,636.00 State \$73,400.00 Local
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**NCDOT December 2019 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 9

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Davidson Co. B-3159(L) REGIONAL	38331.3.2, Federal No. 0085057 Landscape development for B-3159: Replace Bridge #27 over US 29 / US 64 / US 70 / I-85 Business Loop on US 52 / NC 8 in Lexington. Funds are needed for landscaping.	\$115,000.00 Cost \$92,000.00 Fed. \$23,000.00 State

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

Division 10

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Iredell Co./ Mecklenburg Co. I-6065 DIVISION/ EXEMPT	48856.1.1, Federal No. 0077024 I-77 from I-485 near Huntersville to NC 150 near Mooresville. Funds are needed for preliminary engineering. Federal funds for this project are classified as Division needs. State funds for this project are Bonus Allocation and are classified as Exempt.	\$950,000.00 Cost \$760,000.00 Fed. \$190,000.00 State

Congestion Mitigation

Mecklenburg Co. C-5621 EXEMPT	50146.1.F1, CMS-0021(020) US 21 and SR 2697 (Catawba Avenue) in Cornelius. \$914,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested for Bonus Allocation state match.	\$166,000.00 Cost \$166,000.00 State
Mecklenburg Co. C-5621 EXEMPT	50146.2.1, CMS-0021(020) US 21 and SR 2697 (Catawba Avenue) in Cornelius. \$4,090,400.00 has previously been approved for right of way and utilities. Additional funds are needed as requested for Bonus Allocation state match.	\$457,600.00 Cost \$457,600.00 State

Safety

Union Co. W-5710J DIVISION	44856.2.10, HSIP-1004(065) SR 1004 (Lawyers Road) and SR 1525 (Mill Grove Road) near Hemby Bridge. Funds are needed for full right of way and utilities.	\$75,000.00 Cost \$67,500.00 Fed. \$7,500.00 State
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**NCDOT December 2019 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12

Bicycle and Pedestrian

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Catawba Co. EB-6038 EXEMPT	48927.1.1, Federal No. 1143024 Multi-use trails and pedestrian improvements along 9th Street and 11th Street including a pedestrian bridge over US 321 in Hickory. Funds are needed for preliminary engineering. This is a Federal BUILD Grant project.	\$2,000,000.00 Cost \$1,600,000.00 Fed. \$400,000.00 Local
Iredell Co. EB-6033L DIVISION	48778.4.13, Federal No. 00SS076 Safe Routes to School Community Outreach and Education Program in Iredell County. Funds are needed for program implementation.	\$150,000.00 Cost \$120,000.00 Fed. \$30,000.00 Local

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

M-11

Division 13

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Buncombe Co. U-5019A DIVISION	41503.1.6, STBGDA-1302(087) Clingman Forest and Town Branch Greenways in Asheville. Funds are needed for preliminary engineering. This project is part of the East Riverway Multi-Modal Network.	\$10,000.00 Cost \$8,000.00 Fed. \$2,000.00 Local

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

Statewide

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Statewide C-5601ED EXEMPT	50062.4.7, Federal No. 00SS078 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Accesso Services, LLC. \$245,679.00 has previously been approved for Electric Vehicle Supply and Equipment (EVSE) upgrades. Additional funds are needed as requested per the subaward.	\$91.00 Cost \$70.00 Fed. \$21.00 Local

ITEM M SUMMARY - 24 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$24,894,242.00

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

DIVISION 1

* Y-5801 VARIOUS, TRAFFIC SEPARATION STUDY
IMPLEMENTATION AND CLOSURES IN DIVISION 1.
CHOWAN
MARTIN PROJECT ADDED AT REQUEST OF RAIL DIVISION;
CAMDEN INDIVIDUAL PROJECTS AND FUNDING TO BE
PERQUIMANS REQUESTED IN THE FUTURE AS NEEDED.
TYRRELL
WASHINGTON
HYDE
CURRITUCK
DARE
HERTFORD
PASQUOTANK
GATES
BERTIE
NORTHAMPTON
PROJ.CATEGORY
DIVISION

* Z-5801 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
IMPROVEMENTS IN DIVISION 1.
PASQUOTANK PROJECT ADDED AT REQUEST OF RAIL DIVISION;
NORTHAMPTON INDIVIDUAL PROJECTS AND FUNDING TO BE
WASHINGTON REQUESTED IN THE FUTURE AS NEEDED.
CURRITUCK
CHOWAN
GATES
PERQUIMANS
BERTIE
HYDE
MARTIN
DARE
TYRRELL
CAMDEN
HERTFORD
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 2

* Y-5802 VARIOUS, TRAFFIC SEPARATION STUDY
PITT IMPLEMENTATION AND CLOSURES IN DIVISION 2.
GREENE PROJECT ADDED AT REQUEST OF RAIL DIVISION;
CRAVEN INDIVIDUAL PROJECTS AND FUNDING TO BE
LENOIR REQUESTED IN THE FUTURE AS NEEDED.
BEAUFORT
CARTERET
PAMLICO
JONES
PROJ.CATEGORY
DIVISION

* Z-5802 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
BEAUFORT IMPROVEMENTS IN DIVISION 2.
PITT PROJECT ADDED AT REQUEST OF RAIL DIVISION;
PAMLICO INDIVIDUAL PROJECTS AND FUNDING TO BE
CARTERET REQUESTED IN THE FUTURE AS NEEDED.
JONES
GREENE
CRAVEN
LENOIR
PROJ.CATEGORY
DIVISION

DIVISION 3

* Y-5803 VARIOUS, TRAFFIC SEPARATION STUDY
ONslow IMPLEMENTATION AND CLOSURES IN DIVISION 3.
PENDER PROJECT ADDED AT REQUEST OF RAIL DIVISION;
SAMPSON INDIVIDUAL PROJECTS AND FUNDING TO BE
DUPLIN REQUESTED IN THE FUTURE AS NEEDED.
NEW HANOVER
BRUNSWICK
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 3

* Z-5803 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
BRUNSWICK IMPROVEMENTS IN DIVISION 3.
NEW HANOVER PROJECT ADDED AT REQUEST OF RAIL DIVISION;
PENDER INDIVIDUAL PROJECTS AND FUNDING TO BE
ONslow REQUESTED IN THE FUTURE AS NEEDED.
SAMPSON
DUPLIN
PROJ.CATEGORY
DIVISION

DIVISION 4

* Y-5804 VARIOUS, TRAFFIC SEPARATION STUDY
WAYNE IMPLEMENTATION AND CLOSURES IN DIVISION 4.
NASH PROJECT ADDED AT REQUEST OF RAIL DIVISION;
HALIFAX INDIVIDUAL PROJECTS AND FUNDING TO BE
WILSON REQUESTED IN THE FUTURE AS NEEDED.
EDGEcombe
JOHNSTON
PROJ.CATEGORY
DIVISION

* Z-5804 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
NASH IMPROVEMENTS IN DIVISION 4.
WAYNE PROJECT ADDED AT REQUEST OF RAIL DIVISION;
JOHNSTON INDIVIDUAL PROJECTS AND FUNDING TO BE
HALIFAX REQUESTED IN THE FUTURE AS NEEDED.
EDGEcombe
WILSON
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 5

* Y-5805 VARIOUS, TRAFFIC SEPARATION STUDY
PERSON IMPLEMENTATION AND CLOSURES IN DIVISION 5.
GRANVILLE PROJECT ADDED AT REQUEST OF RAIL DIVISION;
DURHAM INDIVIDUAL PROJECTS AND FUNDING TO BE
WAKE REQUESTED IN THE FUTURE AS NEEDED.
FRANKLIN
WARREN
VANCE
PROJ.CATEGORY
DIVISION

* Z-5805 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
FRANKLIN IMPROVEMENTS IN DIVISION 5.
DURHAM PROJECT ADDED AT REQUEST OF RAIL DIVISION;
WAKE INDIVIDUAL PROJECTS AND FUNDING TO BE
GRANVILLE REQUESTED IN THE FUTURE AS NEEDED.
PERSON
WARREN
VANCE
PROJ.CATEGORY
DIVISION

DIVISION 6

* Y-5806 VARIOUS, TRAFFIC SEPARATION STUDY
HARNETT IMPLEMENTATION AND CLOSURES IN DIVISION 6.
BLADEN PROJECT ADDED AT REQUEST OF RAIL DIVISION;
COLUMBUS INDIVIDUAL PROJECTS AND FUNDING TO BE
ROBESON REQUESTED IN THE FUTURE AS NEEDED.
CUMBERLAND
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 6

* Z-5806 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
CUMBERLAND IMPROVEMENTS IN DIVISION 6.
HARNETT PROJECT ADDED AT REQUEST OF RAIL DIVISION;
COLUMBUS INDIVIDUAL PROJECTS AND FUNDING TO BE
BLADEN REQUESTED IN THE FUTURE AS NEEDED.
ROBESON
PROJ.CATEGORY
DIVISION

DIVISION 7

* Y-5807 VARIOUS, TRAFFIC SEPARATION STUDY
ORANGE IMPLEMENTATION AND CLOSURES IN DIVISION 7.
GUILFORD PROJECT ADDED AT REQUEST OF RAIL DIVISION;
CASWELL INDIVIDUAL PROJECTS AND FUNDING TO BE
ROCKINGHAM REQUESTED IN FUTURE AS NEEDED.
ALAMANCE
PROJ.CATEGORY
DIVISION

* Z-5807 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
ORANGE IMPROVEMENTS IN DIVISION 7.
GUILFORD PROJECT ADDED AT REQUEST OF RAIL DIVISION;
CASWELL INDIVIDUAL PROJECTS AND FUNDING TO BE
ROCKINGHAM REQUESTED IN FUTURE AS NEEDED.
ALAMANCE
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 8

* Y-5808 VARIOUS, TRAFFIC SEPARATION STUDY
RICHMOND IMPLEMENTATION AND CLOSURES IN DIVISION 8.
HOKE PROJECT ADDED AT REQUEST OF RAIL DIVISION;
LEE INDIVIDUAL PROJECTS AND FUNDING TO BE
SCOTLAND REQUESTED IN THE FUTURE AS NEEDED.
CHATHAM
MOORE
MONTGOMERY
RANDOLPH
PROJ.CATEGORY
DIVISION

* Z-5808 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
SCOTLAND IMPROVEMENTS IN DIVISION 8.
HOKE PROJECT ADDED AT REQUEST OF RAIL DIVISION;
LEE INDIVIDUAL PROJECTS AND FUNDING TO BE
RICHMOND REQUESTED IN THE FUTURE AS NEEDED.
CHATHAM
MOORE
RANDOLPH
MONTGOMERY
PROJ.CATEGORY
DIVISION

DIVISION 9

* Y-5809 VARIOUS, TRAFFIC SEPARATION STUDY
STOKES IMPLEMENTATION AND CLOSURES IN DIVISION 9.
FORSYTH PROJECT ADDED AT REQUEST OF RAIL DIVISION;
ROWAN INDIVIDUAL PROJECTS AND FUNDING TO BE
DAVIE REQUESTED IN FUTURE AS NEEDED.
DAVIDSON
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 9

* Z-5809 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
STOKES IMPROVEMENTS IN DIVISION 9.
DAVIE PROJECT ADDED AT REQUEST OF RAIL DIVISION;
FORSYTH INDIVIDUAL PROJECTS AND FUNDING TO BE
ROWAN REQUESTED IN FUTURE AS NEEDED.
DAVIDSON
PROJ.CATEGORY
DIVISION

DIVISION 10

* Y-5810 VARIOUS, TRAFFIC SEPARATION STUDY
CABARRUS IMPLEMENTATION AND CLOSURES IN DIVISION 10.
MECKLENBURG PROJECT ADDED AT REQUEST OF RAIL DIVISION;
ANSON INDIVIDUAL PROJECTS AND FUNDING TO BE
UNION REQUESTED IN THE FUTURE AS NEEDED.
STANLY
PROJ.CATEGORY
DIVISION

* Z-5810 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
CABARRUS IMPROVEMENTS IN DIVISION 10.
UNION PROJECT ADDED AT REQUEST OF RAIL DIVISION.
STANLY INDIVIDUAL PROJECTS AND FUNDING TO BE
ANSON REQUESTED IN THE FUTURE AS NEEDED.
MECKLENBURG
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 11

* Y-5811 VARIOUS, TRAFFIC SEPARATION STUDY
ASHE IMPLEMENTATION AND CLOSURES IN DIVISION 11.
ALLEGHANY PROJECT ADDED AT REQUEST OF RAIL DIVISION;
AVERY INDIVIDUAL PROJECTS AND FUNDING TO BE
YADKIN REQUESTED IN THE FUTURE AS NEEDED.
CALDWELL
WATAUGA
WILKES
SURRY
PROJ.CATEGORY
DIVISION

* Z-5811 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
YADKIN IMPROVEMENTS IN DIVISION 11.
SURRY PROJECT ADDED AT REQUEST OF RAIL DIVISION.
WILKES INDIVIDUAL PROJECTS AND FUNDING TO BE
CALDWELL REQUESTED IN THE FUTURE AS NEEDED.
WATAUGA
ALLEGHANY
ASHE
AVERY
PROJ.CATEGORY
DIVISION

DIVISION 12

* Y-5812 VARIOUS, TRAFFIC SEPARATION STUDY
CLEVELAND IMPLEMENTATION AND CLOSURES IN DIVISION 12.
IREDELL PROJECT ADDED AT REQUEST OF RAIL DIVISION;
CATAWBA INDIVIDUAL PROJECTS AND FUNDING TO BE
GASTON REQUESTED IN THE FUTURE AS NEEDED.
ALEXANDER
LINCOLN
PROJ.CATEGORY
DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 12

* Z-5812 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
 IREDELL IMPROVEMENTS IN DIVISION 12.
 GASTON PROJECT ADDED AT REQUEST OF RAIL DIVISION.
 LINCOLN INDIVIDUAL PROJECTS AND FUNDING TO BE
 CLEVELAND REQUESTED IN THE FUTURE AS NEEDED.
 CATAWBA
 ALEXANDER
 PROJ.CATEGORY
 DIVISION

DIVISION 13

* Y-5813 VARIOUS, TRAFFIC SEPARATION STUDY
 MITCHELL IMPLEMENTATION AND CLOSURES IN DIVISION 13.
 MADISON PROJECT ADDED AT REQUEST OF RAIL DIVISION;
 McDOWELL INDIVIDUAL PROJECTS AND FUNDING TO BE
 YANCEY REQUESTED IN THE FUTURE AS NEEDED.
 BUNCOMBE
 BURKE
 RUTHERFORD
 PROJ.CATEGORY
 DIVISION

* Z-5813 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
 BUNCOMBE IMPROVEMENTS IN DIVISION 13.
 BURKE PROJECT ADDED AT REQUEST OF RAIL DIVISION.
 MITCHELL INDIVIDUAL PROJECTS AND FUNDING TO BE
 YANCEY REQUESTED IN THE FUTURE AS NEEDED.
 McDOWELL
 RUTHERFORD
 MADISON
 PROJ.CATEGORY
 DIVISION

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 14

* Y-5814 VARIOUS, TRAFFIC SEPARATION STUDY
IMPLEMENTATION AND CLOSURES IN DIVISION 14.
GRAHAM
CHEROKEE PROJECT ADDED AT REQUEST OF RAIL DIVISION;
TRANSYLVANIA INDIVIDUAL PROJECTS AND FUNDING TO BE
HENDERSON REQUESTED IN THE FUTURE AS NEEDED.
MACON
SWAIN
CLAY
HAYWOOD
JACKSON
POLK
PROJ.CATEGORY
DIVISION

* Z-5814 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
IMPROVEMENTS IN DIVISION 14.
POLK
HENDERSON PROJECT ADDED AT REQUEST OF RAIL DIVISION.
JACKSON INDIVIDUAL PROJECTS AND FUNDING TO BE
CLAY REQUESTED IN THE FUTURE AS NEEDED.
GRAHAM
HAYWOOD
CHEROKEE
SWAIN
TRANSYLVANIA
MACON
PROJ.CATEGORY
DIVISION

STIP MODIFICATIONS

DIVISION 3

EB-6029	CARENDON AVENUE, CONSTRUCT MULTI-USE PATH	CONSTRUCTION	FY 2020 -	\$516,000	(TADA)
NEW HANOVER	ALONG CLARENDON AVENUE FROM 4TH STREET TO		FY 2020 -	<u>\$129,000</u>	(L)
PROJ.CATEGORY	SR 1573 (DOW ROAD).			\$645,000	
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u> <u>DESIGN BY THE MUNICIPALITY, DELAY</u> <u>CONSTRUCTION FROM FY 19 TO FY 20</u>				

* INDICATES FEDERAL AMENDMENT

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

DIVISION 4

* B-5947	NC 581, REPLACE BRIDGE 630091 OVER TAR RIVER.	RIGHT-OF-WAY	FY 2020 -	\$400,000	(NHPB)
NASH	<u>ADD UTILITIES IN FY 20 NOT PREVIOUSLY</u>	UTILITIES	FY 2020 -	\$35,000	(NHPB)
PROJ.CATEGORY	<u>PROGRAMMED. RIGHT-OF-WAY AND CONSTRUCTION</u>	CONSTRUCTION	FY 2021 -	\$2,133,000	(NHPB)
REGIONAL	<u>FUNDING SOURCE ADJUSTED FROM STATE FUNDS</u>		FY 2022 -	\$2,133,000	(NHPB)
	<u>TO FEDERAL FUNDS.</u>		FY 2023 -	\$2,134,000	(NHPB)
				<u>\$6,835,000</u>	

EB-5707	STONE CREEK GREENWAY, US 70 BYPASS TO SR	CONSTRUCTION	2020	<u>\$110,000</u>	(SRTS)
WAYNE	1560 (ROYALL AVENUE). CONSTRUCT 10 FOOT WIDE			\$110,000	
PROJ.CATEGORY	ASPHALT GREENWAY.				
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>				
	<u>DESIGN, DELAY CONSTRUCTION FROM FY 19 TO FY</u>				
	<u>20.</u>				

DIVISION 6

* U-5798A	SR 1102 (GILLIS HILL ROAD), FROM NORTH OF SR 1112	RIGHT-OF-WAY	FY 2020 -	\$2,585,000	(T)
CUMBERLAND	(STONE POINT ROAD) TO US 401 (RAEFORD ROAD).	UTILITIES	FY 2020 -	\$168,000	(T)
PROJ.CATEGORY	WIDEN TO MULTI-LANES AND REPLACE BRIDGE	CONSTRUCTION	FY 2021 -	\$19,100,000	(T)
DIVISION	250075 OVER LITTLE ROCKFISH CREEK.			<u>\$21,853,000</u>	
	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>				
	<u>THRESHOLDS.</u>				

DIVISION 8

* AV-5855	MOORE COUNTY AIRPORT (SOP), CONSTRUCT	CONSTRUCTION	FY 2020 -	\$2,720,000	(T)
MOORE	HANGAR TAXIWAYS AND INTERNAL AIRFIELD SERVICE			\$2,720,000	
PROJ.CATEGORY	ROAD.				
DIVISION	<u>ACCELERATE CONSTRUCTION FROM FY 22 TO FY 20</u>				
	<u>AT REQUEST OF DIVISION OF AVIATION.</u>				

DIVISION 10

B-5930	SARDIS LANE, REPLACE BRIDGE 590433 OVER	CONSTRUCTION	FY 2020 -	\$1,600,000	(BGOFF)
MECKLENBURG	MCALPINE CREEK.		FY 2020 -	<u>\$400,000</u>	(L)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u>			\$2,000,000	
DIVISION	<u>CONSTRUCTION FROM FY 19 TO FY 20</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

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

DIVISION 10

* I-5826	I-85, CONCRETE PAVEMENT JOINT AT US 29/NC 49	GARVEE CONSTR	FY 2020 -	\$300,000	(NHPIM)
MECKLENBURG	CONNECTOR TO CONCRETE PAVEMENT JOINT NORTH		FY 2021 -	\$300,000	(NHPIM)
PROJ.CATEGORY	OF NC 73. PAVEMENT PRESERVATION,		FY 2022 -	\$300,000	(NHPIM)
STATEWIDE	REHABILITATION, MARKERS, AND MARKINGS.		FY 2023 -	\$300,000	(NHPIM)
	<u>PROJECT LIMITS EXTENDED AND SCOPE MODIFIED</u>		FY 2024 -	\$300,000	(NHPIM)
	<u>PER REQUEST OF DIVISION.</u>		FY 2025 -	\$300,000	(NHPIM)
			FY 2026 -	\$300,000	(NHPIM)
			FY 2027 -	\$300,000	(NHPIM)
			FY 2028 -	\$300,000	(NHPIM)
			FY 2029 -	\$300,000	(NHPIM)
			POST YR-	\$1,500,000	(NHPIM)
		CONSTRUCTION	FY 2020 -	\$873,000	(NHPIM)
			FY 2020 -	\$584,000	(S(M))
			FY 2021 -	\$583,000	(S(M))
				\$6,540,000	

* U-5763	NC 51 (MATTHEWS TOWNSHIP PARKWAY), SR 3356	RIGHT-OF-WAY	FY 2020 -	\$1,300,000	(T)
MECKLENBURG	(SARDIS ROAD) TO SR 1010 (EAST JOHN STREET/		FY 2021 -	\$5,850,000	(T)
PROJ.CATEGORY	MONROE ROAD). WIDEN EXISTING ROADWAY.		FY 2022 -	\$5,850,000	(T)
REGIONAL	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	UTILITIES	FY 2020 -	\$200,000	(T)
	<u>THRESHOLDS.</u>	CONSTRUCTION	FY 2023 -	\$23,600,000	(T)
				\$36,800,000	

DIVISION 11

R-5791	VARIOUS, DIVISION 11 PROGRAM TO UPGRADE	CONSTRUCTION	FY 2020 -	\$100,000	(S)
CALDWELL	INTERSECTIONS TO COMPLY WITH THE AMERICANS		FY 2020 -	\$3,600,000	(TA)
YADKIN	WITH DISABILITIES ACT (ADA) USING		FY 2020 -	\$800,000	(O)
SURRY	TRANSPORTATION ALTERNATIVES (TA) FUNDS.			\$4,500,000	
WATAUGA	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>				
AVERY	<u>DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20</u>				
ASHE					
WILKES					
ALLEGHANY					
PROJ.CATEGORY					
DIVISION					

DIVISION 12

EB-5788	STATESVILLE, SHELTON AVENUE MULTI-USE PATH,	RIGHT-OF-WAY	FY 2020 -	\$201,000	(BGDA)
IREDELL	GARNER BAGNAL BOULEVARD TO AMITY HILL ROAD.		FY 2020 -	\$50,000	(L)
PROJ.CATEGORY	CONSTRUCT GREENWAY.			\$251,000	
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>				
	<u>DESIGN DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20</u>				

* INDICATES FEDERAL AMENDMENT

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

DIVISION 12

* U-2523B GASTON PROJ.CATEGORY REGIONAL	NC 279, NORTH OF SR 2275 (ROBINSON-CLEMMER ROAD) TO WEST OF NC 275 IN DALLAS. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2020 - FY 2021 - FY 2020 - FY 2022 - FY 2023 - FY 2024 -	\$5,625,000 \$5,625,000 \$500,000 \$5,233,000 \$5,234,000 \$5,233,000	(T) (T) (T) (T) (T) (T)
				\$27,450,000	
* U-6054 IREDELL PROJ.CATEGORY DIVISION	STATESVILLE, CONSTRUCT BROOKDALE DRIVE-US 21 CONNECTOR. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 21 TO FY 22</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2020 - FY 2020 - FY 2022 - FY 2022 -	\$1,063,000 \$477,000 \$820,000 \$368,000	(BGDA) (L) (BGDA) (L)
				\$2,728,000	
* U-6153 IREDELL PROJ.CATEGORY DIVISION	STATESVILLE, SR 1363 (BETHLEHEM ROAD). RELOCATE ROADWAY ADJACENT TO STATESVILLE REGIONAL AIRPORT. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY PRELIMINARY ENGINEERING FROM FY 19 TO FY 20 AND CONSTRUCTION FROM FY 21 TO FY 22</u>	ENGINEERING CONSTRUCTION	FY 2020 - FY 2022 - FY 2022 - FY 2023 -	\$452,000 \$1,049,000 \$2,550,000 \$1,049,000	(BA) (T) (O) (T)
				\$5,100,000	
DIVISION 13 EB-5790 BUNCOMBE PROJ.CATEGORY DIVISION	ASHEVILLE, ON-STREET CROSSINGS AND CONNECTIONS FOR BICYCLISTS AND PEDESTRIANS IN ASHEVILLE'S EAST OF THE RIVERWAY. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING DELAY CONSTRUCTION FROM FY 19 TO FY 20</u>	CONSTRUCTION	FY 2020 - FY 2020 -	\$840,000 \$210,000	(BGDA) (L)
				\$1,050,000	
EB-5915 RUTHERFORD PROJ.CATEGORY DIVISION	THERMAL BELT RAIL TRAIL, US 64/74A IN RUTH TO FORREST HUNT DRIVE. CONSTRUCT INTERSECTION IMPROVEMENTS AT SELECTED LOCATIONS ALONG RAIL CORRIDOR. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20</u>	CONSTRUCTION	FY 2020 - FY 2020 -	\$267,000 \$67,000	(TA) (L)
				\$334,000	

* INDICATES FEDERAL AMENDMENT

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

DIVISION 14

* B-5901	NC 191, REPLACE BRIDGE 440121 OVER FRENCH	RIGHT-OF-WAY	FY 2021 -	\$100,000	(NHPB)
HENDERSON	BROAD RIVER OVERFLOW.	CONSTRUCTION	FY 2022 -	<u>\$2,100,000</u>	(NHPB)
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>			\$2,200,000	
REGIONAL	<u>PROJECT R-2588B</u>				

ITEM N SUMMARY

ADDITIONS	28 PROJECTS		
MODIFICATIONS	15 PROJECTS		
DELETIONS	1 PROJECTS	\$2,200,000	
	44 PROJECTS	(\$2,200,000)	

* INDICATES FEDERAL AMENDMENT

Thursday, December 5, 2019

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

SUMMARY: There are a total of 15 agreements for approval by the Board of Transportation.

Division 3

City of Wilmington
New Hanover County
U-5710A
50115.3.2

This Project consists of construction of a new quadrant connection location between US 74 (Eastwood Road) and US 17 (Military Cutoff Road). At the request of the Municipality, the Department shall include betterments in its construction contract. The estimated cost to the Municipality for the betterments is \$19,078.50.

Division 4

Norfolk Southern Railway (NS),
North Carolina Railroad
Company (NCRR),
City of Goldsboro
Wayne County
U-5724
54016

This Rail Agreement covers the permanent closure and removal of the at-grade rail crossing of Central Heights Road (SR-1709, Milepost EC 4.30) and the construction of a new at-grade crossing on Oak Forest Road (SR-1711, Milepost 4.53). This Agreement also covers roadway improvements to Royall Avenue (SR-1560), Central Heights Road (SR-1709), and Berkeley Boulevard (US-13), along with at-grade crossing improvements on Berkeley Boulevard (US-13) (Crossing number 722 861W, Milepost EC 4.02) and relocation and improvements to Seahorse Siding. NS will perform all work within their right-of-way. The Department will perform all work outside of the railroad right-of-way. The Municipality will relocate municipally owned utilities in conflict with the project. The Department will reimburse NS 100% of the actual cost of all work performed by NS and reimburse the Municipality 50% of the cost of relocation of municipally owned utilities. The estimated cost of the Project is \$13,470,000, which will be funded through NC Bonds.

Division 5

Town of Franklinton (Lessee)
Franklin County
42889

This Rail Agreement covers the terms and conditions for the Lessee to lease property from the Department on a portion of an inactive railroad corridor in Franklin County to be used for public recreational trail use in accordance with N.C.G.S. § 136-44,36D. The Lease will become effective upon execution and shall continue on a year-to-year basis until it is terminated according to terms set out in the Lease. Lease payments will be one dollar (\$1.00) per year. The Lessee agrees to pay the Department a one-time amount of \$500.00 in administrative fees for plan review and inspections. Construction and Maintenance costs for the trail shall be at no cost to the Department.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

Division 5, cont.

Vance County
48939

This Project consists of widening SR 1001 (Warrenton Road) just west of US 1 to add a turn lane in conjunction with the County's expansion of the adjacent solid waste convenience site. The Department shall participate in the costs up to a maximum amount of \$100,000 in High Impact Low Cost funds. Costs which exceed \$100,000 shall be borne by the County. Total estimated costs are \$169,854.

Town of Louisburg
Franklin County
48938

This Project consists of reconstructing and retrofitting existing sidewalk along East Nash Street from Main Street to Spring Street for ADA compliance and to provide streetscape aesthetics. The Department shall participate in the costs up to a maximum amount of \$100,000 in High Impact Low Cost funds. Costs which exceed \$100,000 shall be borne by the Town. Total estimated costs are \$257,840.

Division 7

City of Greensboro
Guilford County
U-5532I
46297.2.11
46297.3.11

This Project consists of the construction of sidewalks and ADA compliant curb ramps in Greensboro. This Supplemental Agreement is to increase funding. The Municipality is responsible for the project. The Department will participate in 80% of additional costs up to \$324,160 in federal funds. The Municipality shall provide a 20% non-federal match of \$81,040 and all costs that exceed the total available funding of \$2,054,282.

Town of Mebane
Alamance County
I-5711
50401.3.GV1

The Project consists of Interchange improvements at I-40/I-85 and SR 1007 (Mebane Oaks Road). At the request of the Municipality, construction of sidewalk within the municipal limits will be included. The Department will participate in 70% of the cost of the sidewalk up to \$87,061. The Municipality shall provide the 30% non-federal match of \$37,312 and all costs that exceed the total available funding of \$124,373.

Division 8

City of Sanford
Lee County
48943

This Project consists of roadway improvements for the Tabitha Lane industrial site in Lee County. The Department shall participate in actual Project costs up to a maximum amount of \$964,600 in Economic Development and Public Access funds. Costs which exceed this amount shall be borne by the Municipality. Total estimated costs are \$1,343,000.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

Division 10

Town of Waxhaw
Union County
EB-5950
48423.2.1
48423.3.1

This Project consists of construction for corridor improvements from NC 16 to Sunset Hill Road. This Supplemental Agreement is to increase funding. The Department shall participate in an additional 72% of eligible expenses up to \$1,367,313. The Municipality is responsible for providing the 28% non-federal match (\$531,733) for additional funding and all costs that exceed the total available funding of \$4,402,445.

City of Charlotte
Mecklenburg County
U-5768
50181.1.R1
50181.2.1
50181.3.1

This Project consists of improvements on NC 49 from John Kirk Drive to I-485. At the request of the Municipality, the Department shall include realignment improvements on Back Creek Church Road (SR 2827) as part of the project. The Municipality has agreed to provide \$12,064,000 to the Department as advance participation in the costs of the project.

Norfolk Southern
Railway Company (NS),
Southern Region Industrial
Realty, Inc. (SRIR)
Mecklenburg County
P-5705BA
P-5705BB
44475

This Termination of Deed of Easement is a Rail agreement to terminate the Deed of Easement granted to the Department by NS and SRIR, effective December 20, 2001, which was recorded in Deed Book 13053, Page 770-779, Mecklenburg County, North Carolina. This easement was originally intended to be used for a low-level passenger platform adjacent to the NS tracks, which was never constructed. Construction of the Charlotte Gateway Station platform and tracks, pursuant to a separate previously executed agreement, obviates the need for this easement. This agreement will be recorded in the Mecklenburg County Register of Deeds Office. There will be no cost to the Department.

Division 12

Town of Mooresville
Iredell County
R-2307B
37944.3.4

This Project consists of improvements on NC 150 from SR 1902 (Harvel Road) in Catawba County to I-77 in Iredell County. This Utility Construction Agreement (UCA) is for the Department to include the relocation of water and sewer lines in the construction contract. The estimated cost to the Municipality is \$1,262,678.75. This Agreement supersedes the item that was approved by the BOT on June 6, 2019.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

Division 12, cont.

Town of Mooresville
Iredell County
C-5200
46251.1.F1
46251.2.1
46251.3.1

This Project consists of construction of roadway improvements on NC 115 at NC 150 and constructing a shared through/right lane on westbound NC 150 at NC 115. This Supplemental Agreement is to increase funding. The Department shall participate in an additional 76% of eligible expenses up to \$1,211,102. The Municipality is responsible for providing the 24% non-federal match (\$382,453) for additional funding and all costs that exceed the total available funding of \$3,434,057.

Town of Mooresville
Iredell County
C-5701
46446.2.1
46446.3.1

This Project consists of construction roadway improvements on the NC 801 and NC 150 intersection in Mooresville. This Supplemental Agreement is to increase funding. The Department shall participate in an additional 79% of eligible expenses up to \$2,324,504. The Municipality is responsible for providing the 21% non-federal match (\$617,906) for additional funding and all costs that exceed the total available funding of \$4,946,810.

Division 13

McDowell County
EB-5916
47582.1.1
47582.2.1
47582.3.1

This Project consists of construction of greenway improvements on US 70 to Resistofflex Road. The County is responsible for the project. The Department will participate in 80% of the costs up to \$2,200,000 in federal funds. The County will provide the 20% non-federal match of \$550,000 and all costs that exceed the total available funding of \$2,750,000.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

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

Division 1

Town of Severn
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 expenses.

NC Department of Natural &
Cultural Resources
Dare County
36249.4094

This Project consists of removing and replacing five dolphins (marine structures) at the Elizabeth II located on the Roanoke Island Festival Park in Manteo. The Department shall perform the work. The Agency shall reimburse the Department 100% for the work. The estimated reimbursement is \$35,000.

Division 3

City of Wilmington
New Hanover County
44342

This Project consists of construction of a multi-use path along SR 1492 (Masonboro Loop Road) from Anderson Reach Loop Road to the entrance of Parsley Elementary School. This supplemental agreement is to extend the completion date of the Project. The Municipality shall complete the project by November 30, 2020 in lieu of November 30, 2019.

Town of Surf City
Pender County
3BPR.10711

This Project consists of routine sweeping services on the Surf City Bridge, round about approaches and multi-use path in Surf City. The Department will perform the work. The Municipality shall participate in 50% of the actual costs of the sweeping cycles. The estimated cost per sweeping cycle is \$742.50.

Division 4

Circle K
Wayne County
U-2714
38979.3.1

This Project consists of design and construction of a right turn lane from US 117 (William Street) within the U-2714 highway project. At the request of the Developer, the work will include additional design, grading, paving, and erosion control activities. The Developer shall reimburse the Department \$60,000 in one lump sum payment based on the estimated costs of the additional improvements.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

Division 5

Town of Apex
Wake County
36249.4095

The Project consists of widening and construction of 860 LF of curb & gutter and sidewalk along West Chatham Street to complete pedestrian infrastructure between Saunders Street and Hunter Street. The Department will review and approve the planning, environmental document, and design phases of the Project. The Municipality will reimburse 100% of the cost, estimated to be \$10,000.

City of Durham
Durham County
36249.4096

The Project consists of fabrication and installation of two "R. Kelly Bryant, Jr. Bridge" signs on NC 147 near the pedestrian bridge in Durham. The Department shall do the work. The Municipality will reimburse 100% of the cost, estimated to be \$3,800.

Sassom, LLC
Wake County
36249.4090

The Project consists of a traffic signal upgrade to SR 2049 (Forestville Road) at Foundation Drive in Wake Forest. The Department will review the plans and inspect the signal installation. The Developer shall reimburse the Department 100% of the cost, estimated to be \$5,000.

Taylor Morrison of the Carolinas,
Inc.
Wake County
36429.4091

The Project consists of a traffic signal upgrade to US 401 (Fayetteville Road) at Hilltop-Needmore Road/Air Park Road/Hilltop Road. The Department will review the plans and inspect the signal installation. The Developer shall reimburse the Department 100% of the cost, estimated to be \$5,000.

LMC Gateway Holdings, LP
Durham County
36249.4097

The Project consists of a traffic signal upgrade at S. Roxboro Street (US 15-501) and S. Dillard Street. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost, estimated to be \$5,000.

NC Department of Public Safety,
Division of Emergency
Management
Wake County

This Agreement is a Supplemental Agreement funding two positions at the Department of Public Safety, Division of Emergency Management, to correct one classification of the two positions. The positions support the Department's efforts to reduce impacts to North Carolina highway infrastructure from hurricanes and other natural disasters.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

Division 8

Town of Broadway
Lee County
36248.253

This Agreement is for the Department to provide general maintenance of streets within the Municipal limits as needed. The Department shall be responsible for the work and the Municipality shall reimburse 100% of the actual cost associated with said work. All costs shall be charged against the Powell Bill WBS assigned to the Municipality.

Village of Pinehurst
Moore County
8RE.106313

This Project consists of planting the spring annual flowers at the Pinehurst Traffic Circle in Moore County. The Department shall install the plantings in accordance with the plans and specifications. The Municipality shall be responsible for payment up to \$5,000 for the plant materials.

Stonegate Commercial
Properties, LLC
Hoke County
W-5708G
44854.3.7

This Project consists of safety improvements at US 401 at SR 1411 (North Park Church Road) and SR 1413 (Pittman Grove Church Road). The Developer has requested that the Department perform certain additional work in conjunction with construction. The estimated cost to the Developer is \$127,500.

Division 9

Town of Bermuda Run
Davie County
36248.434

This Agreement is for the Department to provide general maintenance of streets within the Municipal limits as needed. The Department shall be responsible for the work and the Municipality shall reimburse 100% of the actual cost associated with said work. All costs shall be charged against the Powell Bill WBS assigned to the Municipality.

Division 10

Town of Weddington
Union County
10.1090SM

This Project consists of upgrades to the existing traffic signal at the intersection of NC 84 and SR 1341 (Twelve Mile Creek Road). The Department will perform the work. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$3,500.

Publix North Carolina, LP
Union County
36249.4089

This Project consists of upgrading the traffic signal at NC 16 and SR 1315 (New Town 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 \$6,000.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

Division 10, cont.

City of Monroe
Union County
36249.4092

This Project consists of the installation of a new emergency signal located at Monroe Fire Station No. 5 along US 601. The Department will review the traffic signal and inspect the traffic signal installation. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

Shea Real Estate Investments,
LLC
Cabarrus County
36249.4093

This Project consists of the modification of a traffic signal at SR 1161 (Stallings Road) and SR 1304 (Harrisburg Veterans Road) and the installation of a new traffic signal at the intersection of SR 1161 (Stallings Road) and SR 1138 (Hickory Ridge 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 \$15,000.

Union County
W-5710Z
44856.3.26

This Project consists of construction of a roundabout at the intersection of NC 200 (Lancaster Highway), SR 1146 (Parkwood School Road) and NC 522 (South Rocky River Road) in Monroe. The Department shall perform the work. The County will participate in the costs of the project in the amount of \$200,000.

City of Charlotte
Mecklenburg County
10.2060SM

This Project consists of the installation of a traffic signal at the intersection of SR 1625 (Sam Wilson Road) and SR 1603 (Performance Road). The Department will perform the work. The Municipality shall participate in the costs of the project in the amount of \$85,000.

City of Concord
Cabarrus County
10.101332

This Project consists of the installation of four (4) sign overlays to change the Concord Regional Airport name to Concord-Padgett Airport. The Department will perform the work. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$10,085.16.

Division 11

Town of Pilot Mountain
Surry County
36428.340

This Agreement is for the Department to provide general maintenance of streets within the Municipal limits as needed. The Department shall be responsible for the work and the Municipality shall reimburse 100% of the actual cost associated with said work. All costs shall be charged against the Powell Bill WBS assigned to the Municipality.

December 5, 2019 Board of Transportation Agenda
Municipal and Special Agreements

Division 11, cont.

Avery County Board of
Education
Avery County

This Agreement is to allow the Department to connect to the Avery County Board of Education's sewer system for use by the Avery County Maintenance Facility.

Division 13

Town of Weaverville
Buncombe County

This Agreement is to allow the Municipality to install new pavement markings associated with parking spaces along NCDOT routes within the municipal limits of Weaverville.

NCDOT December 2019 Board of Transportation Agenda

Municipal Street System Changes for Powell Bill Program

Deletions from the State Highway System

Division	County	Municipality	Road	Termini	Length
7	Guilford	Greensboro	SR 1005; Alamance Church Road	To delete from Martin Luther King Jr. Drive to 865 feet East of Faircrest Lane	1.580

File Name: Guilford_2019_12_M001

Total Miles = 1.58

NCDOT December 2019 Board of Transportation Agenda

<u>No.</u>		<u>Enacted Page No.</u>
1	Preliminary Right of Way Plans	R-1
2	Final Right of Way Plans	R-2
3	Conveyance ROW Residue (HB 501)	R-3 – R-9
4	Advance Acquisition of Highway Right of Way	R-10
5	Approval of Conveyance of Highway Right of Way Residues	R-11
6	Authorization to Conveyance of Surplus Highway Right of Way	R-12
7	R-Correction	R-13

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 3)

Project No. 34416.2.8; Sampson County; I.D. No. R-2303E:

Drainage, grading, paving and signals on NC 24 at SR 1296 (Sunset Ave) and NC 24 from US 701 (Southeast Blvd) to SR 1935 (Cecil-Odie Rd) with the right of way indicated upon the final plans for said project.

(Division 4)

Project No. 47996.2.1; Wayne County; I.D. No. I-6047:

Drainage, grading and guardrail on I-795 from Wilson County Line to SR 2075 (Ash Street) 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 1)

Project 6.099006T, Parcel 101z, US 13

Martin County

Conveyance of an approximate 0.200-acre area comprised of one (1) landlocked C-class to Ricky Lee Bailey for the highest offer amount of **\$800**; total commission \$250.

Project 8.1090201, Parcel 009, US 13

Martin County

Conveyance of an approximate 0.190-acres comprised of one (1) landlocked B-class residues to Jane P. Heckstall for the highest offer amount of **\$500**; commission \$450.

Project 6.139003T, Parcel 081, US 64

Tyrell County

Conveyance of an approximate 15.17-acres comprised of one (1) landlocked B-class residue to Joshua Tawes for the highest offer amount of **\$4,000**; commission \$450.

Project 6.149006T, Parcels 004 & 043, US 64

Washington County

Conveyance of an approximate 21.24-acres comprised of two (2) landlocked B-class residues to Joseph Gregory Whitley for the highest offer amount of **\$9,810**; commission \$900.

Project 6.149001B, Parcel 006, US 64

Washington County

Conveyance of an approximate 0.280-acres comprised of one (1) landlocked C-class residue to Alvah W. Alexander for the highest offer amount of **\$225**; commission \$225.

(Division 5)

Project 8.1457902, Parcel 125, I-40

Durham County

Conveyance of an approximate 0.070-acres comprised of one (1) landlocked C-class residue to Charles Whaley and Susan Whaley for the highest offer amount of **\$525**; commission \$500.

Project 40221.2.1 (U-4011), Parcel 044, SR 1959 S. Miami Blvd.

Durham County

Conveyance of an approximate 0.160-acres comprised of one (1) landlocked B-class residue to Santos Moises Granados for the highest offer amount of **\$25,100**; commission \$2,500.

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

(Division 5) (continued)

**Project 8.1413207, Parcel 99C, East End Connector
Durham County**

Conveyance of an approximate 2.99 -acres comprised of one (1) landlocked B-class residue to David W. Hanson for the highest offer amount of **\$85,000**; commission \$2,500.

**Project 8.1409715, Parcel 068, SR 1110 Farrington Rd
Durham County**

Conveyance of an approximate 0.140-acres comprised of one (1) landlocked C-class residue to Christopher Crompton for the highest offer amount of **\$525**; commission \$500.

**Project 8.7335014, Parcel 017, NC 55
Durham County**

Conveyance of an approximate 0.220-acres comprised of one (1) landlocked B-class residue to Maze Hill, LLC for the highest offer amount of **\$55,000**; commission \$5,500.

**Project R-2000CB, Parcels 061 & 927, Project R-2000C, Parcel 911, I-540
Wake County**

Conveyance of an approximate 1.090 -acres comprised of three (3) landlocked B-class residues to Javier Rivera for the highest offer amount of **\$60,000**; commission \$6,000.

**Project 8.1402601, Parcel 901, NC 55
Wake County**

Conveyance of an approximate 5.700-acres comprised of one (1) landlocked B-class residue to P & P Balaji Investments, Inc. for the highest offer amount of **\$105,000**; commission \$10,500.

**Project 8.1402601, Parcel 011, NC 55
Wake County**

Conveyance of an approximate 0.410-acres comprised of one (1) landlocked B-class residue to Trilandco, LLC for the highest offer amount of **\$95,000**; commission \$9,500.

**Project 4.49012, Parcel 906C, US 64
Wake County**

Conveyance of an approximate 0.160-acres comprised of one (1) landlocked B-class residue to Bing C. Aycock for the highest offer amount of **\$8,000**; commission \$2,500.

**Project 8.U401722, Parcel 016, I-540
Wake County**

Conveyance of an approximate 1.020-acres comprised of one (1) landlocked B-class residue to Mitchell T. Murphy and Penny L. Sekadlo for the highest offer amount of **\$40,500**; commission \$1,250.

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

(Division 5) (continued)

**Project 6.408006T, Parcel 908, US Hwy 1
Wake County**

Conveyance of an approximate 0.910-acres comprised of one (1) landlocked C-class residue to Charles Tripp and Christal Tripp for the highest offer amount of **\$4,000**; commission \$500.

**Project 6.408004B, Parcel 002, I-540
Wake County**

Conveyance of an approximate 0.910-acres comprised of one (1) landlocked B-class residue to C. Douglas Chappell, Wallace R. Chappell and Brenda C. Starr for the highest offer amount of **\$3,000**; commission \$1,250.

**Project 6.408006T, Parcel 904, US Hwy 1
Wake County**

Conveyance of an approximate 3.310 -acres comprised of one (1) landlocked B-class residue to Greg Ward and Marjorie Ward for the highest offer amount of **\$120,000**; commission \$1,250.

(Division 7)

**Project 8.15368, Parcel 900, US 70
Guilford County**

Conveyance of an approximate 0.160-acres comprised of one (1) landlocked C-class residue to Michael Ray Garrett and Regina Franklin Garrett for the highest offer amount of **\$800**; commission \$2,500.

**Project 8.15359, Parcel 023, N. Aycock St & Fairmont St.
Guilford County**

Conveyance of an approximate 0.040-acres comprised of one (1) landlocked C-class residue to William Clark Payne Jr. and Jo Ann Smith for the highest offer amount of **\$500**; commission \$2,500.

**Project 8.1500603, Parcel 211, NC 54
Orange County**

Conveyance of an approximate 0.122-acres comprised of one (1) landlocked C-class residue to RP Barnes, LLC for the highest offer amount of **\$5,000**; commission \$500.

**Project 8.1510603, Parcel 001, US 220
Rockingham County**

Conveyance of an approximate 0.810-acres comprised of one (1) landlocked B-class residue to Carl Randall and Beth G. Carter for the highest offer amount of **\$11,000**; commission \$3,000.

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

(Division 8)

**Project 6.569003T, Parcels 038 & 040A, US Hwy 1
Moore County**

Conveyance of an approximate 2.000-acres comprised of one (1) landlocked B-class and one (1) landlocked C-class residue to Jim Walter and Sharon Walter for the highest offer amount of **\$3,000**; commission \$3,000.

**Project R-2606A, Parcel 010, US 311
Randolph County**

Conveyance of an approximate 0.870-acres comprised of one (1) landlocked B-class to Bucky Thomas Yates and Heather Taylor Yates for the highest offer amount of **\$2,225**; commission \$500.

(Division 10)

**Project R-2533B, Parcel 907, NC 49
Cabarrus County**

Conveyance of an approximate 0.360-acres comprised of one (1) landlocked B-class residue to Candace Chevonne Carean for the highest offer amount of **\$1,000**; commission \$2,500.

**Project R-2533B, Parcel 907, NC 49
Cabarrus County**

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

**Project 6.678006B, Parcel 027, I-485
Mecklenburg County**

Conveyance of an approximate 4.680 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$2,000**; commission \$2,500.

**Project 6.678015T, Parcel 933, I-485
Mecklenburg County**

Conveyance of an approximate 0.320 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$500**; commission \$2,500.

**Project 6.678015T, Parcel 032, I-485
Mecklenburg County**

Conveyance of an approximate 1.470 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,100**; commission \$2,500.

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

(Division 10) (continued)

Project 6.678006B, Parcel 041, I-485

Mecklenburg County

Conveyance of an approximate 2.390 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,250**; commission \$2,500.

Project 6.678001B, Parcel 004, I-485

Mecklenburg County

Conveyance of an approximate 2.780 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,600**; commission \$2,500.

Project 8.U671605, Parcel 036, I-85

Mecklenburg County

Conveyance of an approximate 1.030 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$700**; commission \$2,500.

Project 6.678013T, Parcel 908, I-485

Mecklenburg County

Conveyance of an approximate 0.740 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$700**; commission \$2,500.

Project 8.1661003, Parcel 117, NC 49

Mecklenburg County

Conveyance of an approximate 0.080 -acres comprised of one (1) landlocked C-class residue to Candace Chevonne Carean for the highest offer amount of **\$250**; commission \$1,250.

Project R-2123BB, Parcel 931, I-485

Mecklenburg County

Conveyance of an approximate 1.050 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$800**; commission \$2,500.

Project 8.2812501, Parcel 900, SR 1193 Walker Ferry Rd.

Mecklenburg County

Conveyance of an approximate 0.790 -acres comprised of one (1) landlocked B-class residue to Reginald Keistler and Patricia Keistler for the highest offer amount of **\$1,500**; commission \$2,500.

Project 8.1671602, Parcel 903A, I-485

Mecklenburg County

Conveyance of an approximate 1.43 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$1,500**; commission \$2,500.

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

(Division 10) (continued)

Project R-2123CC, Parcel 932, I-485

Mecklenburg County

Conveyance of an approximate 0.100 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$150**; commission \$1,250.

Project 6.678015T, Parcel 014A, I-485

Mecklenburg County

Conveyance of an approximate 0.114 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$250**; commission \$1,250.

Project 8.1671902, Parcel 900, NC 24/27

Mecklenburg County

Conveyance of an approximate 0.880 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$2,000**; commission \$2,500.

Project 8.U672217, Parcel 132, I-485

Mecklenburg County

Conveyance of an approximate 0.140 -acres comprised of one (1) landlocked B-class residue to Saturday Night, LLC for the highest offer amount of **\$900**; commission \$2,500.

Project 8.U672217, Parcel 139, I-485

Mecklenburg County

Conveyance of an approximate 0.130 -acres comprised of one (1) landlocked B-class residue to Saturday Night, LLC for the highest offer amount of **\$900**; commission \$2,500.

Project P-5208H, Parcel 022H, SR 2849 Grier Rd.

Mecklenburg County

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

Project 6.678006B, Parcel 092, I-485

Mecklenburg County

Conveyance of an approximate 1.080 -acres comprised of one (1) landlocked b-class residue to Michael T. Sullivan for the highest offer amount of **\$1,000**; commission \$2,500.

Project R-2123CC, Parcel 932, I-485

Mecklenburg County

Conveyance of an approximate 0.260 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$300**; commission \$2,500.

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

(Division 10) (continued)

**Project 6.678013T, Parcel 058, I-485
Mecklenburg County**

Conveyance of an approximate 0.740 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$900**; commission \$2,500.

**Project 8.U671609, Parcel 902, I-485
Mecklenburg County**

Conveyance of an approximate 3.240 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$1,875**; commission \$2,500.

**Project 6.678013T, Parcel 927, I-485
Mecklenburg County**

Conveyance of an approximate 3.240 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$1,875**; commission \$2,500.

**Project 8.1671602, Parcel 931, I-485
Mecklenburg County**

Conveyance of an approximate 1.410 -acres comprised of one (1) landlocked B-class residue to Michael T. Sullivan for the highest offer amount of **\$1,600**; commission \$2,500.

(Division 12)

**Project 8.1780201, Parcel 007, NC 16
Alexander County**

Conveyance of an approximate 0.770-acres comprised of one (1) landlocked B-class residue to Curtis Stuart and wife, Tina Stuart for the highest offer amount of **\$500**; commission \$1,000.

**Project MA12004R, Parcel 004, SR 1337 E. Zion Church Rd. and SR 1005 N.
Lafayette St.
Cleveland County**

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

Advance Acquisition of Highway Right of Way

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

(Division 4)

**H. Wayne Starling and wife, Jean
I.D. No. R-5829A Parcel 901
WBS 47101.1.2, F. A. Project N/A,
County of Johnston/Wayne**

(Division 9)

**Saunders Properties, LLC
I.D. No. R-2577A Parcel 600
WBS 37405.2.4 F. A. Project N/A,
County of Forsyth**

**Saunders Properties, LLC
I.D. No. R-2577A Parcel 601
WBS 37405.2.4 F. A. Project N/A,
County of Forsyth**

(Division 12)

**Lawrence Walt
I.D. U-2523B Parcel 900
WBS 34819.2.3 F. A. Project N/A
County of Gaston**

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 5)

Project 9.8050837; U-0604 040 & 042, Timber Drive from US 70 to NC 50 in Garner Wake County

Conveyance of approximately 0.810-acre area to Charles Dingee, the only interested adjacent owner, for the bid sum of \$3,200.00.

(Division 8)

Project 34542.2.4; R-3421A 020, US Highway 74 Business Richmond County

Conveyance of approximately 2.094-acre area to Richmond County for use as a Water Pumping Station no consideration.

CONVEYANCE OF ROW RESIDUE

2 PROJECT(S)

\$ 3,200.00

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 2)

**Project 8.12007, SR 1493 (Cedar Street) in Town of Beaufort
Carteret County**

Disposal of approximately 0.18-acre surplus right of way to Beaufort Partners, LLC, for no consideration

**Project 8.12007, SR 1493 (Cedar Street) in Town of Beaufort
Carteret County**

Disposal of approximately 0.12-acre surplus right of way to Beaufort Partners, LLC for no consideration

(Division 13)

**Project 8.1950202, R-0401B NC 280 (Boylston Highway) at the
Buncombe/Henderson County Line
Buncombe/Henderson Counties**

Disposal of approximately 1.228-acre surplus right of way to Airport Road Acquisitions, LLC for the enhancement value of \$167,625.00

**Project 8.4840301, 34958.2.2 U-3601 NC 191 (Brevard Road) from I-26 to I-40,
Buncombe County**

Disposal of approximately 0.301-acre surplus right of way to VANCON Asheville, LLC for the enhancement value of \$118,400.00

CONVEYANCE OF SURPLUS RIGHT OF WAY

4 PROJECT(S)

\$ 286,025.00

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

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

There are no Comprehensive Transportation Plans to be presented for approval at the December 5, 2019 Board of Transportation Meeting.

ITEM V

NORTH CAROLINA BOARD OF TRANSPORTATION

There will be no Item V submitted to the Board for approval at the December 5, 2019, Board meeting.



NORTH CAROLINA
Department of Transportation



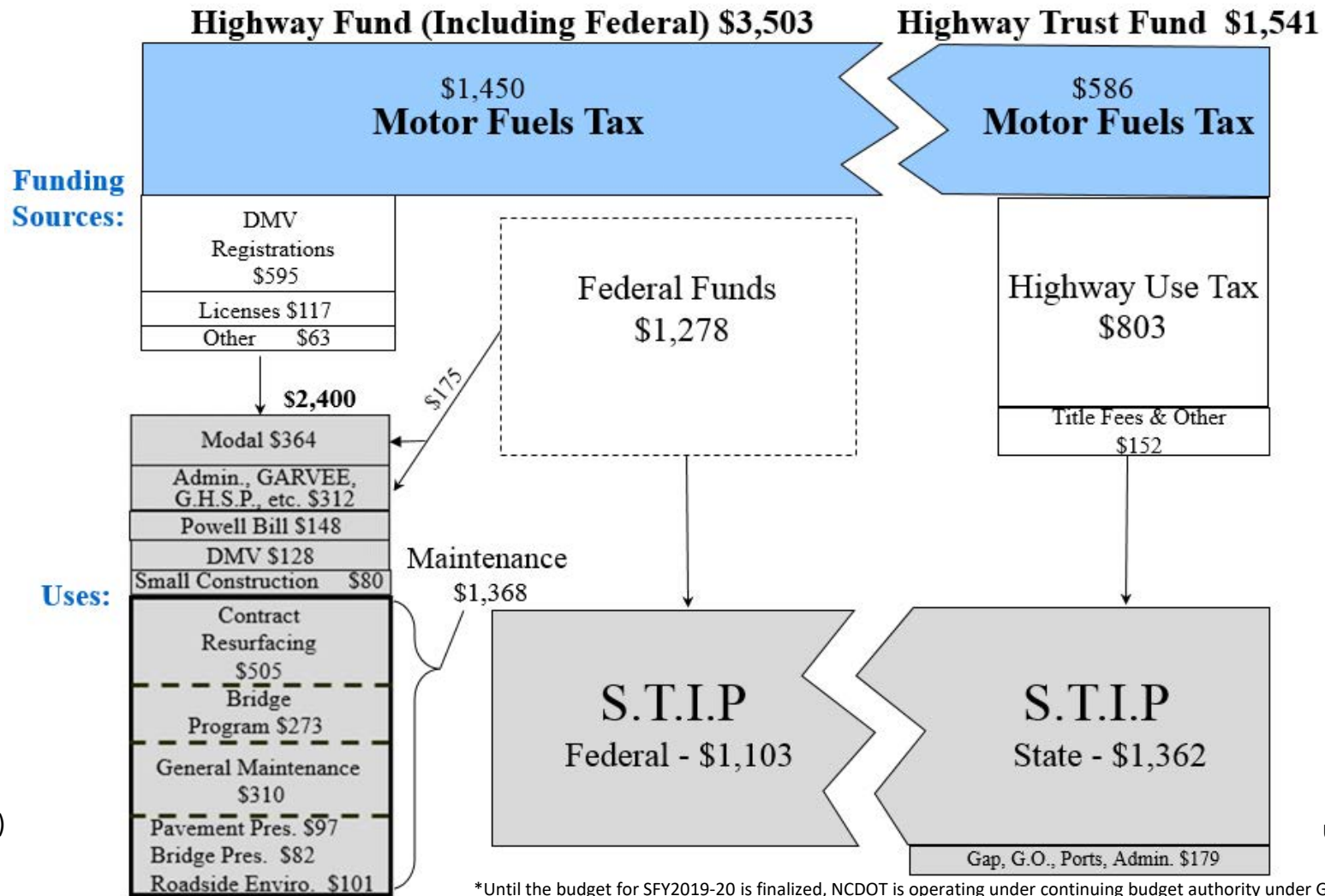
Financial Update

As of October 2019

Evan Rodewald, Chief Financial Officer

December 4, 2019

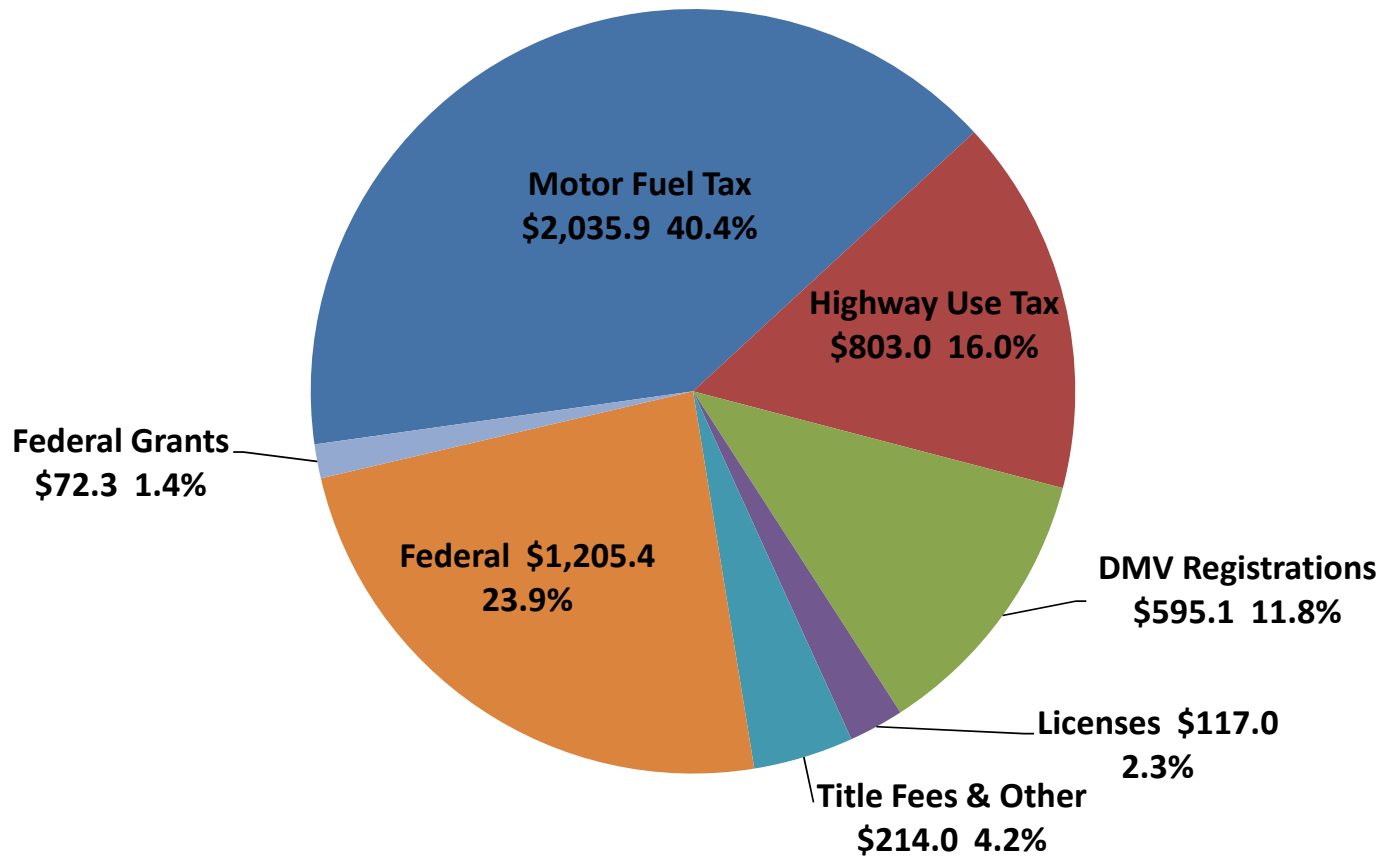
Highway Fund and Highway Trust Fund Budget, SFY 2018-19*



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

NCDOT Revenue Sources* SFY2019 - \$5.0 Billion

(Excludes Receipt Supported Funding of \$0.1B)



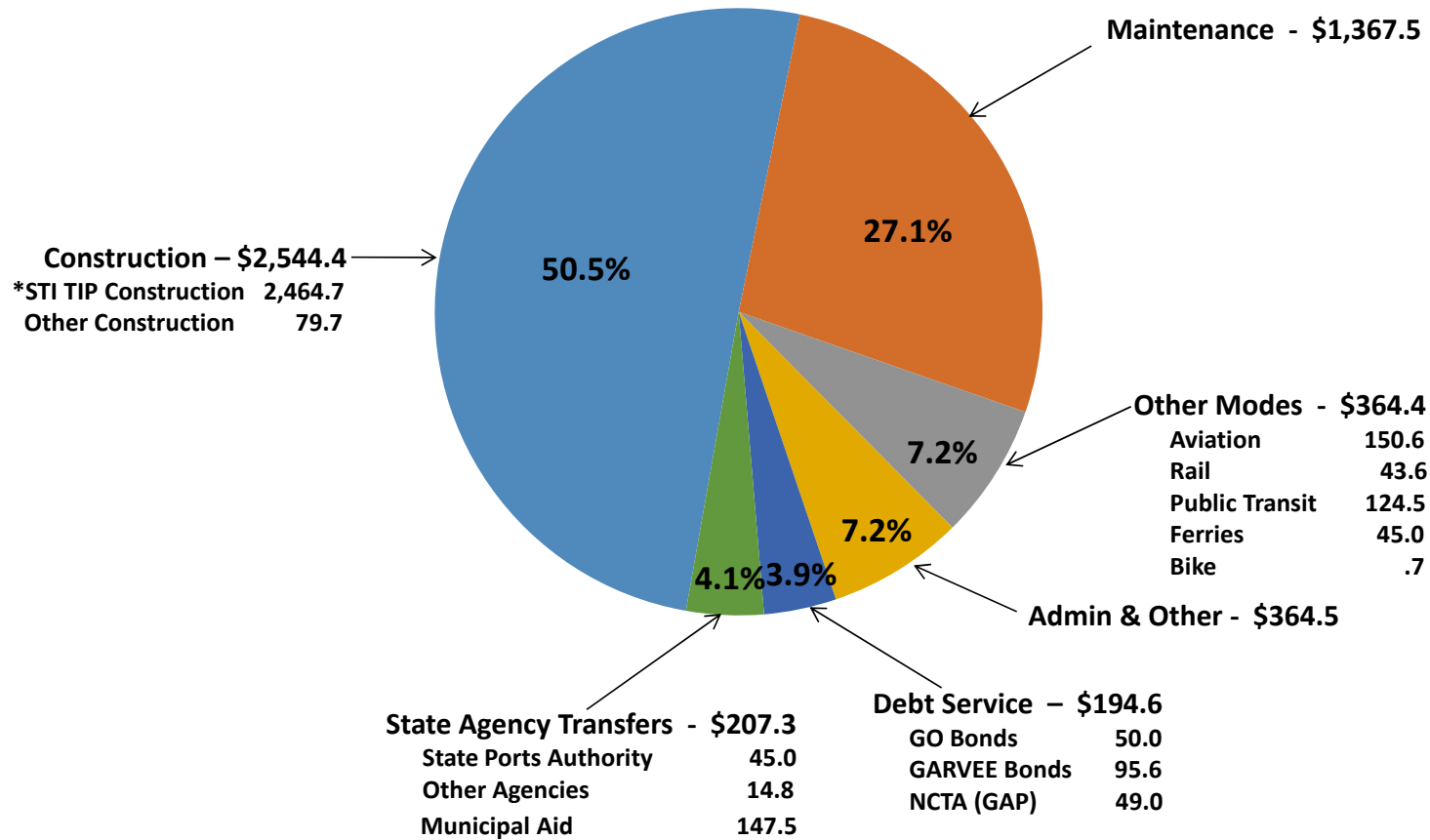
(\$ in millions)

*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

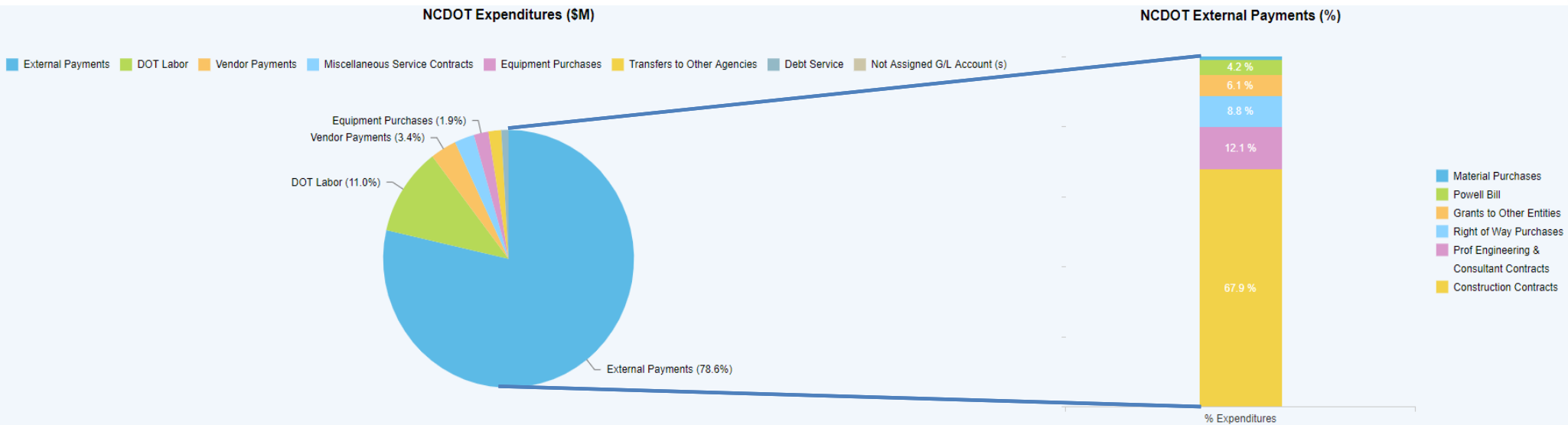
(Excludes Receipt Supported Funding of \$0.1B)



(\$ 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 October 31, 2019



Revenue Summary October 2019

(\$ in Millions)

	October 2019	October 2018	Year Over Year**			
			2019-2020 YTD Actual	2018-2019 YTD Actual	\$ Δ	% Δ
State & Federal Collections*:						
State Highway Fund Revenues	\$ 188.2	\$ 178.0	\$ 764.3	\$ 745.4	\$ 18.9	3%
State Highway Trust Fund Revenues	138.2	136.5	555.1	530.8	24.3	5%
Total State Funds	326.3	314.5	1,319.4	1,276.2	43.2	3%
Federal Funds/Participation	92.5	112.7	488.7	437.9	50.8	12%
BUILDNC Bond Proceeds	7.2		75.8		75.8	
GARVEE Bond Proceeds	12.1	-	30.4	-	30.4	
Total	\$ 438.1	\$ 427.2	\$ 1,914.2	\$ 1,714.1	\$ 200.2	12%
Year Over Year						
	October 2019	October 2018	2019-2020 YTD Actual	2018-2019 YTD Actual	\$ Δ	% Δ
Highway Fund & Trust Fund Details						
Motor Fuel Taxes	\$ 170.9	\$ 163.2	\$ 716.1	\$ 700.1	\$ 16.0	2%
Highway Use Tax	78.1	70.4	298.8	277.1	21.8	8%
DMV/Other Revenue	76.3	79.3	301.5	293.5	8.0	3%
Investment Income	0.9	1.6	3.0	5.6	(2.6)	
Total Revenue	\$ 326.3	\$ 314.5	\$ 1,319.4	\$ 1,276.2	\$ 43.2	3%

*Excludes NCTA Revenues

Expenditure Summary October 2019

(\$ in millions)

			Year Over Year**			
	October-19	October-18	2019-2020 Actual	2018-2019 Actual	\$ Δ	% Δ
State & Federal Funded Programs:						
Construction	\$ 317.1	\$ 290.3	\$ 1,259.8	\$ 1,143.7	\$ 116.1	10%
Maintenance	165.3	206.8	642.8	759.8	(117.0)	-15%
Other Modes	17.2	44.4	76.0	187.0	(111.1)	-59%
Administration/Other Programs	27.3	27.2	13.4	13.2	0.2	1%
Debt Service (Including NCTA GAP funds)	-	-	24.6	26.0	(1.4)	-5%
Municipal Aid	-	-	73.8	73.7	0.1	
Transfers to Other Agencies	14.6	13.9	17.0	28.2	(11.2)	-40%
Total Expenditures*	\$ 541.5	\$ 582.6	\$ 2,107.4	\$ 2,231.6	\$ (124.3)	-6%

**Excludes NCTA Expenditures*

Financial Update

SFYTD 2020 as compared SFYTD 2019

(\$ in millions)

	Month over Month		Year to Date		
	October '19	October '18	YTD 2019	YTD 2018	\$ Change
<u>Highway Fund & Highway Trust Fund</u>					
Collections	\$ 438	\$ 427	\$ 1,914	\$ 1,714	\$ 200
Expenditures	<u>541</u>	<u>583</u>	<u>2,107</u>	<u>2,232</u>	(125)
Net Change	\$ (103)	\$ (156)	\$ (193)	\$ (518)	\$ 325
Cash Balances:					
Highway Trust Fund			\$ 107	\$ 22	
Highway Fund*			<u>269</u>	<u>714</u>	
Totals			<u>\$ 376</u>	<u>\$ 736</u>	

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



North Carolina Department of Transportation
Transportation Program Management Unit - Value Management
Innovative Technologies and Products Awareness Report
December 4th, 2019



PRODUCT HIGHLIGHT – A-Jacks Concrete Armoring Units



Example of A-Jacks installed for bridge scour protection – image from Contech website

The A-Jacks Concrete Armoring Units are approved for provisional use and are listed on the Approved Products List as NP17-7926. They are designed and manufactured by Contech Engineering Solutions (A Quikrete Company). The A-Jacks can be installed either randomly or in a uniform pattern. The units provide for both erosion protection, and marine habitat. The voids formed within the A-Jacks matrix can provide up to a 40% open space in the uniform placement pattern. These voids can provide habitat for fish and other marine life when applied as a reef, revetment or as a soil support system in river/stream applications. In addition, the voids may be backfilled with suitable soils and planted with a variety of vegetation including grasses, shrubs and trees above the normal base flow.



Example of individual A-Jacks Concrete Armoring Unit – image from Contech website

Each unit is two feet high and weighs approximately 78 pounds. A-Jacks Units have been installed in several states and are included in the FHWA HEC No. 23. For more information, please visit: <https://www.conteches.com/erosion-control/hard-armor/a-jacks#>

PRODUCT INNOVATION – Safest Feasible Intersection Design Chart

Dr. Joseph Hummer, PE with NCDOT Transportation Mobility and Safety has developed the Safest Feasible Intersection Design (SaFID) chart for use by NCDOT planners and designers. The chart shows, for any combination of number of lanes and approach volume, the design that is safest based on the available research results in terms of either overall crashes or injury crashes. Over approximately the past twenty years, the FHWA and state DOTs have conducted safety research studies, and many of the study results are stored in a database maintained at the UNC Highway Safety Research Center. Dr. Hummer pulled from the database the results from high-quality studies related to intersection design, applied widely accepted calculations, considered the niches in which certain designs are feasible, and summarized all of that in two charts. The charts show that at very low demands all-way stop designs are generally safest, at moderate demands roundabouts are generally safest, where a large road meets a smaller road a reduced conflict intersection is generally safest, and where demands are high on both roads a design called a median U-turn is generally safest. The intent is for planners and designers considering design alternatives to consult the charts and start their deliberations with the design that the research shows to be safest. Please email Dr. Hummer jehummer@ncdot.gov for more information, including a full-size version.

Major street			Number through lanes:	Minor street						
				2			4		6 or 8	
Number through lanes	Low AADT	High AADT	Low AADT:	0	5,000	7,500	10,000	10,000	25,000 and above	Any
	High AADT:	5,000	7,500	10,000	15,000	25,000				
2	0	7,500		All-way stop	All-way stop	n/a	n/a	n/a	n/a	n/a
	7,500	15,000		One-lane roundabout	One-lane roundabout	One-lane roundabout	One-lane roundabout*	n/a	n/a	n/a

Example for Major street lane count equal to two, and all Minor street lane counts – image excerpt from the simplified SaFID Chart

2018 Annual Report

North Carolina Scenic Byways Annual Report
Roadside Environmental Unit



EDENTON-WINDSOR LOOP - The Edenton-Windsor Loop is a figure-eight loop that begins and ends in Edenton, the Chowan County seat. Beginning at the intersection of N.C. 32 (North Broad Street) and U.S. 17 Business (West Queen Street), follow U.S. 17 Business South across Pembroke Creek, one of the two creeks that forms Edenton Bay. Settled around 1685, Edenton was laid out in 1712 and incorporated in 1722. It was named for provincial Gov. Charles Eden. Visitors will notice numerous historical markers identifying the town's Revolutionary War leaders, as well as signers of the Declaration of Independence.

Contents

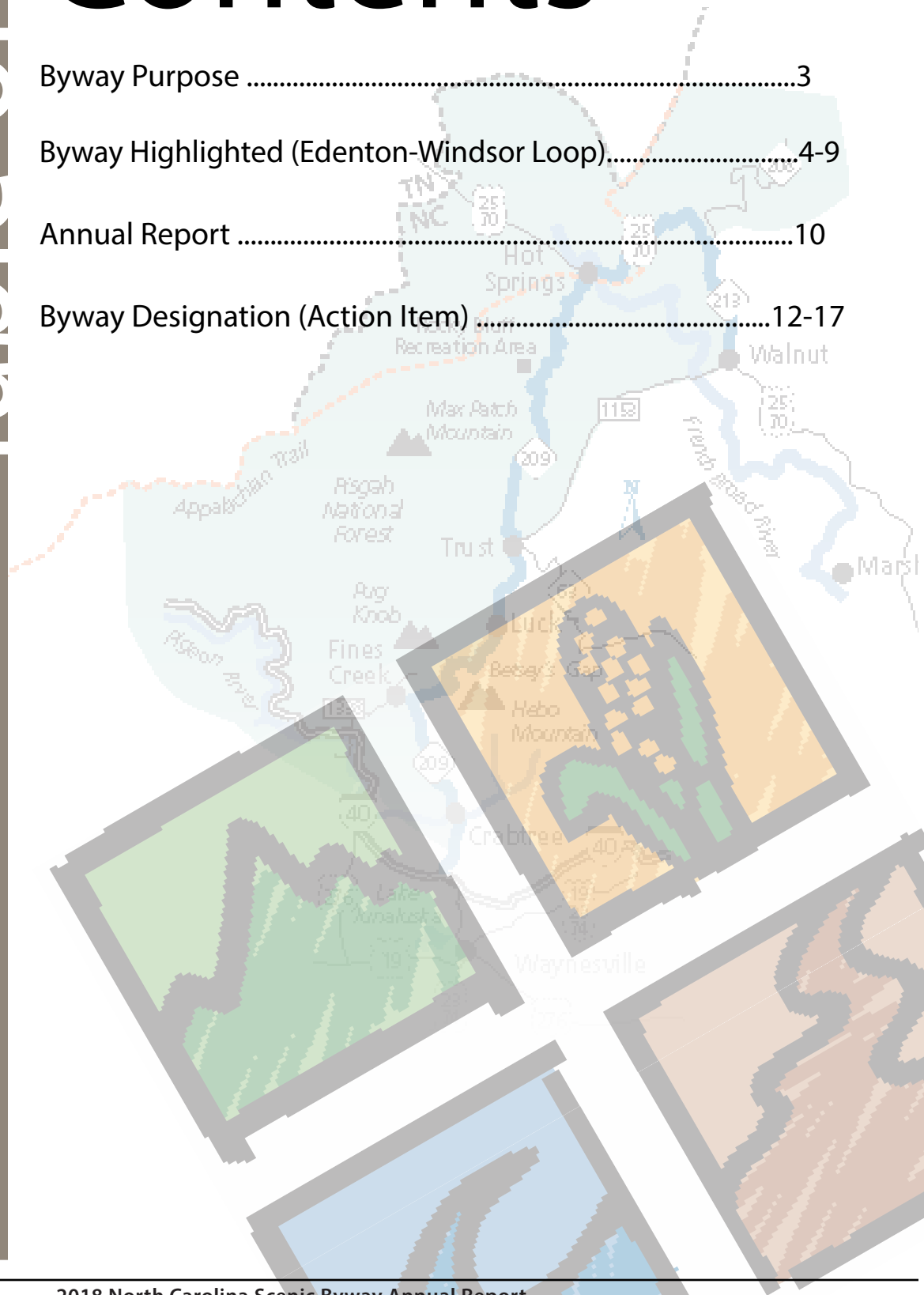


Byway Purpose 3

Byway Highlighted (Edenton-Windsor Loop)..... 4-9

Annual Report 10

Byway Designation (Action Item) 12-17



North Carolina Scenic Byways

“Our Goal is to identify and highlight scenic roads with unusual, exceptional, or unique qualities for public viewing and enjoyment.”

Scenic Byway Purpose

Overview of the Intent of the Program:

"Our Goal is to identify and highlight scenic roads with unusual, exceptional, or unique qualities for public viewing and enjoyment."



The North Carolina Department of Transportation (NCDOT) has designated 60 Scenic Byways to give visitors and residents a chance to experience a bit of North Carolina history, geography and culture while raising awareness for the protection and preservation of these treasures. Routes are carefully selected to embody the diverse beauty and culture of the Tar Heel State and provide travelers with a safe and interesting alternate route.

These byways are intended as an option to the faster-paced traffic and commercial areas found along our major highways and interstates. Following the byways, you will see some of the most breathtaking scenery from the Blue Ridge Mountains to fertile plains and the crystal blue coastline.

The routes are clearly marked with highway signs and the Scenic Byways logo. North Carolina Scenic Byways are selected based on natural, cultural and historic features along the route. They vary in length from three to 173 miles and in character from curvy mountain roads to ferry rides across coastal sounds. You will see little or no development along the routes which detracts from the natural character and quality of the byway.



North Carolina's earliest settlements may be found along its shores.

One mile after crossing the bridge, turn left onto N.C. 94 (Soundside Road). This six-mile road follows a route built by early settlers along old American Indian trails that ran along the shores of the sound. Called Soundside Road for more than 200 years, early plantations were found along its path. Follow this road until it intersects back with N.C. 32.

Turn left onto N.C. 32. One mile later, cross Queen Anne Creek, the second of two creeks that form Edenton Bay. Enter Edenton on East Church Street, North Carolina's first provincial capital, one mile after crossing the creek.

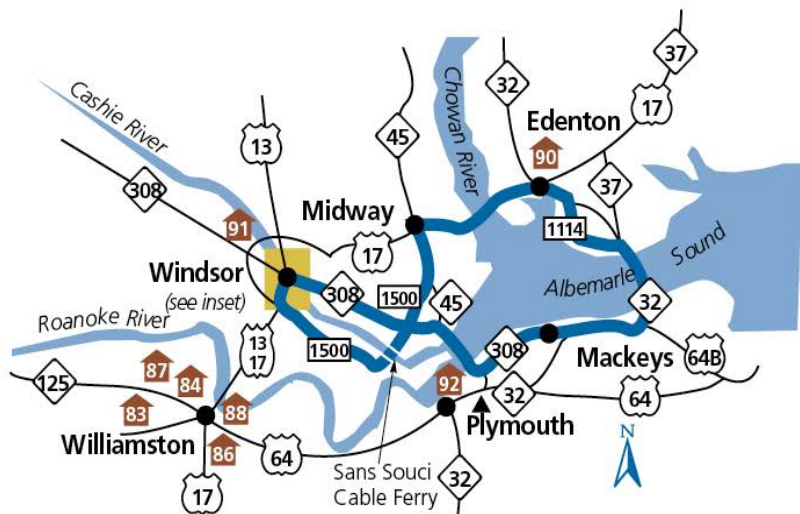
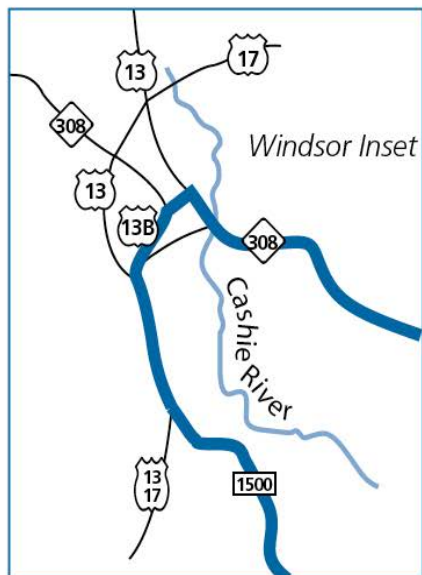
The byway ends where it began at the intersection of N.C. 32 (North Broad Street) and U.S. 17 Business (West Queen Street).



Length: 87 miles
 Drive Time: Two hours
 Counties: Bertie, Chowan and Washington



Note: Recreational vehicles are not permitted on the cable ferry and will need to follow an alternate route.



Highlighted Byway

Edenton-Windsor Loop

Bertie, Chowan, and Washington County(s)

Length: 87 miles
 Drive Time: 2 Hours

Edenton-Windsor Loop This year's highlighted byway is the Edenton-Windsor Loop. The Edenton-Windsor Loop is a figure-eight loop that begins and ends in Edenton, the Chowan County seat. Beginning at the intersection of N.C. 32 (North Broad Street) and U.S. 17 Business (West Queen Street), follow U.S. 17 Business South across Pembroke Creek, one of the two creeks that forms Edenton Bay. Settled around 1685, Edenton was laid out in 1712 and incorporated in 1722. It was named for provincial Gov. Charles Eden.

Visitors will notice numerous historical markers identifying the town's Revolutionary War leaders, as well as signers of the Declaration of Independence. Edenton was one of the most prosperous ports on the trade route in the 18th and 19th centuries. The pirate Blackbeard made numerous stops here. Some of North Carolina's best public and private architecture also may be seen in town including the Cupola House, built in 1757 and considered the south's finest example of Jacobean architecture.

Boston was not the only Revolutionary War city to host a "tea party." Penelope Barker and several other ladies in town held their own such "party" in 1774. To learn more about the history of the area, visit the Historic Edenton State Historic Site. Tours begin at the Barker House on the waterfront in Historic Edenton.



Edenton-Windsor Loop

State Designated Scenic Byway



Edenton-Windsor Loop

State Designated Scenic Byway



Edenton-Windsor Loop

State Designated Scenic Byway



Edenton-Windsor Loop

State Designated Scenic Byway



2018 Annual Report

Overview of the Program:



2018 Management Duties – From project management to byway reviews NC Scenic Byways continues to operate at a variety of capacities to advocate and manage the “Road Less Travelled”. During 2018 some of these responsibilities included the following:

1) Byway Field Reviews – Field reviews of existing byways to establish sign, billboard, and intrinsic quality databases. Continued development of photo logs & GIS mapping for marketing and view shed inventory.

2) Scenic Byway Study List Proposals – Continued review of applications submitted for the year. Currently there's one proposal on the Study List:

McAuley Road Byway Proposal (Huntersville, NC)- Catawba Land Conservancy

3) Project Planning – Coordination with PDEA and the monitoring of T. I. P. projects for roadway development on byways. Consultation with roadway project engineers for context sensitive solutions for byway impacts. Continued Consultation with traffic engineers on byway signage and outdoor advertising.

4) Scenic Byway Book and Publications – Continue distribution of scenic byway book and pamphlet through Welcome Centers, public presentations, Internet, and division offices. The book is in its fourth edition, with an estimated distribution of about 140,000 books since its first printing in 1994 with the development of an update currently being worked on.

5) Web and Multimedia Development– Utilization of digital and multimedia formats to promote the program for the public. Continual updating of the departments' byway web page to ensure content is current.

Edenton Windsor Loop



Items



(Action Item 1) **Turkey Creek Byway Proposal**.....11-17

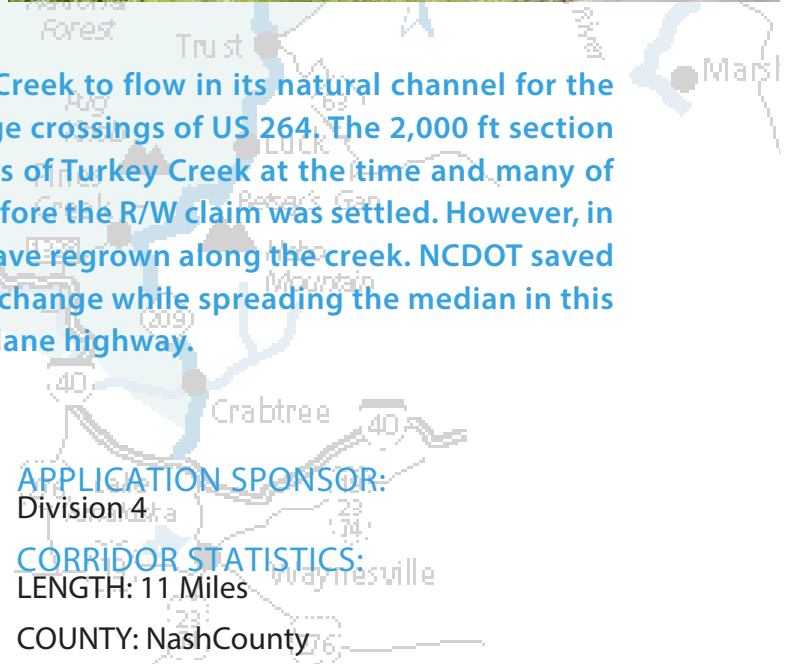




Turkey Creek Byway Proposal

(General Byway Description)

ACTION ITEM #1-Turkey Creek Byway Proposal: The route follows US 264 from the Wilson County line to the Johnston County line through Nash County. The coastal plain route offers views of mixed pine and hardwood forests along with agricultural fields. Approximately 2,500 feet of relatively undisturbed Turkey Creek runs through the wide median adding to the scenic views. Planning began for the alignment of US264 in the early 1970's. Turkey Creek flowed in perfect parallel alignment just east of Middlesex for approx. 2,000 ft. Hydraulics anticipated a 2,000 ft channel change of Turkey Creek with a rip-rap stone liner. Roadway Design and Hydraulics were both concerned about such a massive channel change and brought this to the attention of the Landscape/Roadside Unit. After several meetings it was decided to put a bow in the EBL and spread the median to allow Turkey Creek to flow in its natural channel for the 2,000 ft virtually undisturbed except at the bridge crossings of US 264. The 2,000 ft section had some very large Beech trees along the banks of Turkey Creek at the time and many of the large trees were cut by the property owner before the R/W claim was settled. However, in the 55 years since then many large Beech trees have regrown along the creek. NCDOT saved Turkey Creek from a possible disastrous channel change while spreading the median in this area to create a beautiful natural section of four lane highway.



APPLICATION SPONSOR:

Division 4

CORRIDOR STATISTICS:

LENGTH: 11 Miles

COUNTY: Nash County

ROUTE: US 264

EXISTING ZONING: Towns of Bailey and Middlesex

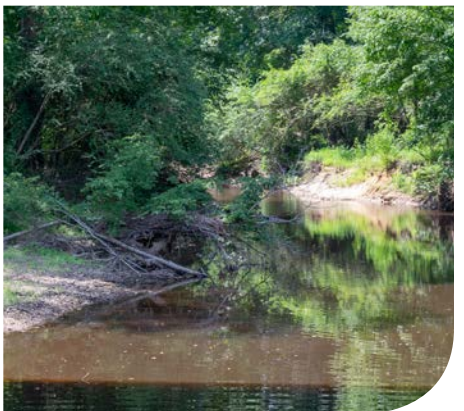
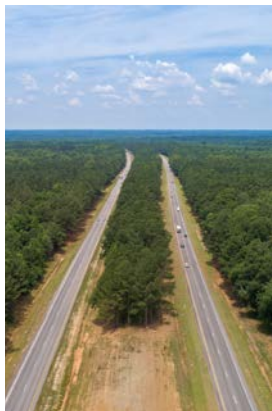
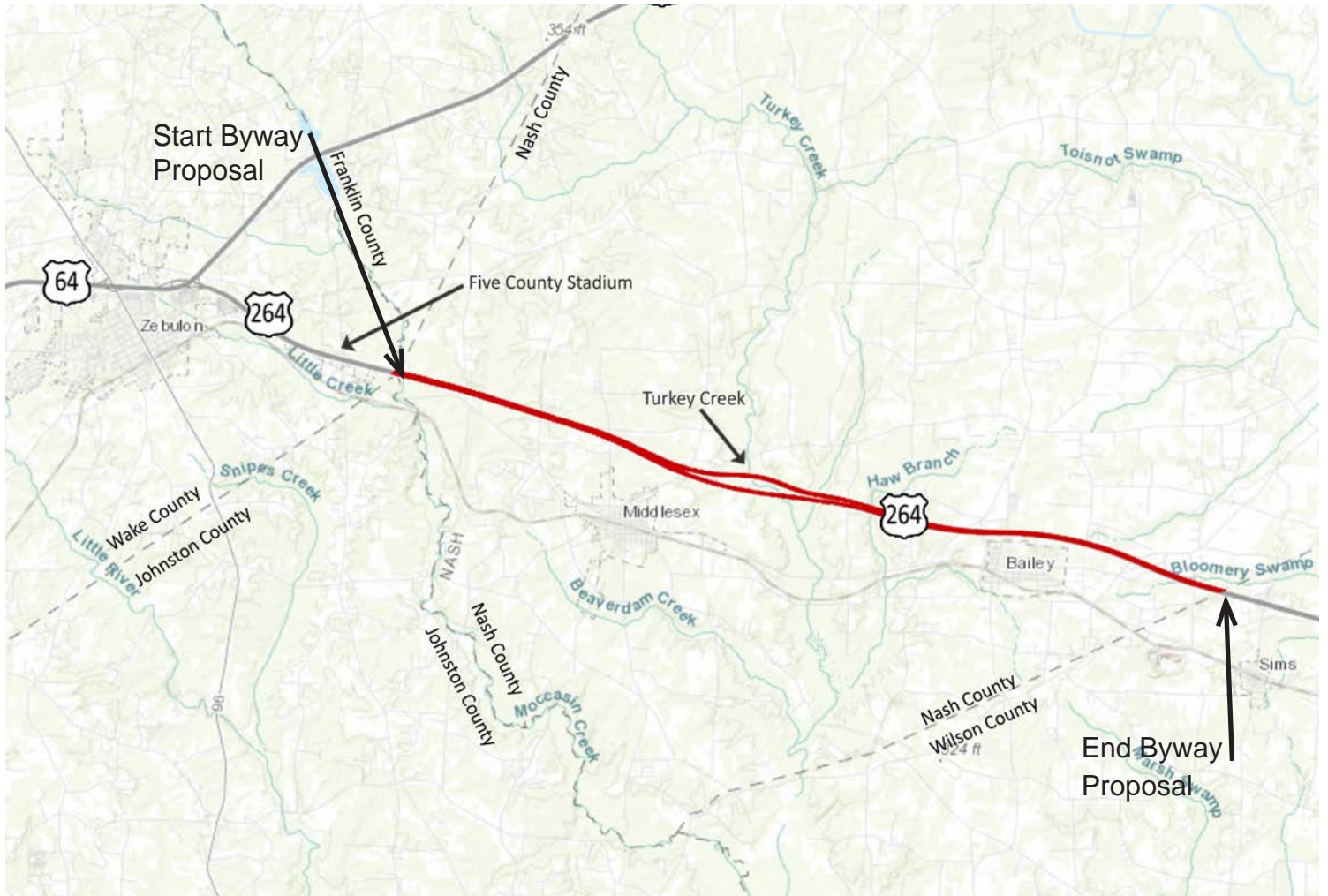
RECOMMENDATION:

Designate and integrate the 11 miles of Turkey Creek Byway as part of the NC Scenic Byways.





Turkey Creek Byway Proposal (Mapping)





Turkey Creek Byway Proposal (Photo)





Turkey Creek Byway Proposal (Photo)





Turkey Creek Byway Proposal

(Photo)

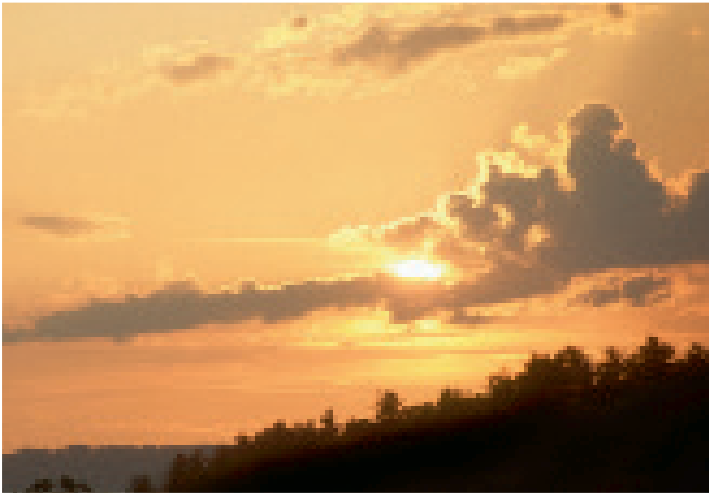




Turkey Creek Byway Proposal

(Photo)





"Our Goal is to identify and highlight scenic roads with unusual, exceptional or unique qualities for public viewing and enjoyment."

RESOLUTION FOR DEPUTY H WEBB – DEPUTY T CONE – DEPUTY D MANNING BRIDGE

WHEREAS, the Edgecombe County Board of Commissioners finds it would be fitting and proper to honor the memory of slain deputies, Deputy Sheriff Haywood Webb, Deputy Sheriff Thomas Cone and Deputy Sheriff David Manning, who were Edgecombe County residents and members of the Edgecombe County Sheriff's Office; and

WHEREAS, they are remembered as kind and generous men who loved their families, friends and co-workers; and

WHEREAS, Deputy Webb was killed in the line of duty after he was shot while serving a warrant in October 1964; and

WHEREAS, Deputy Cone was killed in the line of duty when his patrol car was hit by a drunk driver in January 1990; and

WHEREAS, Deputy Manning was killed in the line of duty in March 2018 while in pursuit of a possible drunk driver; and

WHEREAS, the Edgecombe County Board of Commissioners wishes to memorialize the law enforcement careers of Deputies Webb, Cone and Manning, and honor them for their dedicated service and sacrifice to their country, to the state of North Carolina and to the citizens of Edgecombe County; and

WHEREAS, the Edgecombe County Board of Commissioners hereby requests to the North Carolina Board of Transportation that Bridge #316 on McNair Road (SR 1207) over the U.S. 64 Bypass in Tarboro be named the Deputy H Webb, Deputy T Cone and Deputy D Manning Bridge.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names Bridge #316 on McNair Road (SR 1207) over the U.S. 64 Bypass in Tarboro as the *Deputy H Webb, Deputy T Cone and Deputy D Manning Bridge*.

That appropriate signs will be erected at a suitable time.

Adopted this the 5th day of December 2019 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation

RESOLUTION FOR KATIE AND KARO EDMONDSON BRIDGE

WHEREAS, Katie Edmondson and her husband, Linwood “Karo” Edmondson, were farmers and operated a general store on N.C. 42 east of the Tar River in the Old Sparta community of Edgecombe County; and

WHEREAS, the Edmondsons managed their general store in a way that exemplified the community spirit that is the backbone of rural communities across North Carolina and the nation; and

WHEREAS, the Edmondson’s store provided their community with much-needed merchandise and supplies as well as a central meeting place for social gatherings; and

WHEREAS, the Edmondsons were farmers and served farmers and other residents in the community by providing a local source of fuel, food and other necessities; and

WHEREAS, the Edmondson’s store essentially served as a bank, a grocery store, a news outlet, and a fellowship hall for the Old Sparta community; and

WHEREAS, the Edmondson’s generosity and service to the community has been recognized by Governor James B. Hunt and many other local leaders; and

WHEREAS, the Edgecombe County Board of Commissioners does hereby support the naming of Bridge #28 on N.C. Highway 42 in honor of Katie and Karo Edmondson.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names Bridge #28 on N.C. 42 East over the Tar River as the *Katie and Karo Edmondson Bridge*.

That appropriate signs will be erected at a suitable time.

Adopted this the 5th day of December 2019 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation

RESOLUTION FOR SENATOR CHARLES W ALBERTSON HIGHWAY

WHEREAS, N.C. State Senator Charles W. Albertson is Duplin County's longest serving member of the North Carolina General Assembly; and

WHEREAS, Senator Albertson enhanced the civic growth and cultural identity of Duplin County by securing more than \$1 million for the construction of the Duplin County Events Center; and

WHEREAS, Senator Albertson in 2004 received North Carolina State University's Distinguished Service Award for his contributions to North Carolina's agriculture and agribusiness community; and

WHEREAS, Senator Albertson in 2005 received The Governor's Award as Legislator of the Year from the North Carolina Wildlife Federation; and

WHEREAS, Senator Albertson is also a singer and songwriter, and during his career has received two Certificates of Esteem from the United States Defense Department for entertaining U.S. troops serving in 26 foreign countries; and

WHEREAS, the Duplin County Board of Commissioners requests the North Carolina Board of Transportation name Interstate 40 from one mile east of Exit 373 to one mile west of Exit 373 in honor of Senator Albertson.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names I-40 from one mile east of Exit 373 to one mile west of Exit 373 in Duplin County as the *Senator Charles W Albertson Highway*.

That appropriate signs will be erected at a suitable time.

Adopted this the 5th day of December 2019 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation

RESOLUTION FOR SHERIFF DONALD BANKS HIGHWAY

WHEREAS, Donald Banks was born on June 6, 1916 to Tarp and Bertha Banks in the Prices Creek area of Yancey County; and

WHEREAS, Mr. Banks was first elected sheriff of Yancey County in 1938 at the age of 22 and served until 1942; and

WHEREAS, Mr. Banks went on to faithfully serve the citizens of Yancey County as sheriff for two additional terms, from 1958-1962 and from 1966 until his death on Sept. 19, 1969; and

WHEREAS, Mr. Banks served a single term in the North Carolina Senate from 1950-1952, representing District 30, which then consisted of Avery, Madison, Mitchell and Yancey counties; and

WHEREAS, Mr. Banks was an active member of Cane River Baptist Church and numerous civic organizations in Yancey County; and

WHEREAS, Mr. Banks was a prominent businessman, employing many local men in his lumber operations; and

WHEREAS, Mr. Banks was a pillar of the Yancey County community, representing the ideals and values that citizens of Yancey County hold true; and

WHEREAS, the Yancey County Board of Commissioners does hereby request the North Carolina Board of Transportation to name a section of U.S. 19 East from Cane River School Road to West Yancey Fire Department in honor of Sheriff Donald Banks.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names U.S. 19 East from Cane River School Road to West Yancey Fire Department as the *Sheriff Donald Banks Highway*.

That appropriate signs will be erected at a suitable time.

Adopted this the 5th day of December 2019 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation

NC SCENIC BYWAY ACTION ITEM OVERVIEW:

The Scenic Byway Program would like to bring before the Board an overview of the following action item for approval. The proposal has been reviewed by our byway review team, approved by the Board of Transportation Highway Committee, as well as, presented before the Board of Transportation at the working lunch. The action item involves a new byway designation proposal.

ACTION ITEM 1 -Turkey Creek Byway Proposal: The route follows US 264 from the Wilson County line to the Johnston County line through Nash County. The coastal plain route offers views of mixed pine and hardwood forest along with agricultural fields. Approximately 2,500 feet of relatively undisturbed Turkey Creek runs through the wide median adding to the scenic views. Planning began for the alignment of US264 in the early 1970's. Turkey Creek flowed in perfect parallel alignment just east of Middlesex for approx. 2,000 ft. Hydraulics anticipated a 2,000 ft channel change of Turkey Creek with a rip-rap stone liner. Roadway Design and Hydraulics were both concerned about such a massive channel change and brought this to the attention of the Landscape\Roadside Unit. After several meetings it was decided to put a bow in the EBL and spread the median to allow Turkey Creek to flow in its natural channel for the 2,000 ft virtually undisturbed except at the bridge crossings of US 264. The 2,000 ft section had some very large Beech trees along the banks of Turkey Creek at the time and many of the large trees were cut by the property owner before the R/W claim was settled. However, in the 55 years since then many large Beech trees have regrown along the creek. NCDOT saved Turkey Creek from a possible disastrous channel change while spreading the median in this area to create a beautiful natural section of four lane highway.

APPLICATION SPONSOR:

Division 4

CORRIDOR STATISTICS:

LENGTH: 11 Miles

COUNTY: Nash County

ROUTE: US 264

EXISTING ZONING: Towns of Bailey & Middlesex

RECOMMENDATION:

Designate and integrate 11 miles of US 264 from the Wilson County line to the Johnston County line through Nash County



ADVANCED TECHNOLOGY COMMITTEE MEETING MINUTES

DATE: 11/6/19 TIME: 2:33 pm LOCATION: Wake Med Hospital

MEETING CALLED BY	Chairwoman Nina Szlosberg-Landis.
BOARD ATTENDEES	Nina Szlosberg-Landis, Tony Lathrop, Billy Clarke, Dirk Cody, Thomas Taft, Valerie Jordan

AGENDA TOPICS

1. APPROVAL OF MEETING MINUTES – CHAIRWOMAN NINA SZLOSBERG-LANDIS	
DISCUSSION SUMMARY	Chair Szlosberg-Landis stated that the meeting minutes were distributed prior to the meeting, and if there are no additions or corrections, the Chair would accept a motion that the minutes from the August 7, 2019 meeting minutes be approved as submitted.
ACTIONS TAKEN	A motion was made by Board Member Cody. It was seconded by Board Member Lathrop to approve the meeting minutes as distributed. The committee voted unanimously to approve the meeting minutes.

2. FAA-UAS INTEGRATION – RACHEL CARLSTROM, Federal Aviation Administration (FAA)	
DISCUSSION SUMMARY	Rachel Carlstrom presented an overview on the modes of FAA integration, their pilot programs, the operating rules and the UAS of Excellence and UTM Pilot Programs. Some discussion followed, including a question on regulations for air drones vs. underwater drones, as well as who owns the air space above private property and how far up that reaches.
ACTIONS TAKEN	N/A

3. NCDOT UAS PROGRAM UPDATE – BOBBY WALSTON, PE, DIRECTOR OF THE DIVISION OF AVIATION	
DISCUSSION SUMMARY	Bobby Walston presented “Transforming Air Transportation,” which provided an overview of the robust air administration and the opportunities that it permits, as well as UAS drones, a partnership with United Parcel Service (UPS), profitability and economic growth. Also discussed were the history of innovations from 2012 to 2021, and the five core items and seven components that are assisting in building the UAS program. Uber, Boeing, Airbus and Bell were mentioned as companies investing in drone usage.
ACTIONS TAKEN	N/A



ADVANCED TECHNOLOGY COMMITTEE MEETING MINUTES

4. UPS/WAKEMED OPERATIONS OVERVIEW - DR. STUART GINN, WAKEMED MEDICAL DOCTOR OF WAKEMED INNOVATION	
DISCUSSION SUMMARY	Dr. Stuart Ginn presented an overview of WakeMed's approaches to innovation and collaboration with others, the problems that were addressed, the creation of pilot solutions to alleviate courier and cost issues, metrics and the return on investment.
ACTIONS TAKEN	N/A

5. DEMONSTRATION OF UPS FLIGHT FORWARD MEDICAL PACKAGE DELIVERY – SHERRI ROBERTS, UPS FLIGHT LEAD PILOT	
DISCUSSION SUMMARY	A demonstration featured a drone that would carry a specialized UPS package from one location to the next carrying laboratory samples to be analyzed for a doctor's use. The package would be delivered by drone to the laboratory, then hand carried to the lab technician in the right location by a UPS associate. The UPS package can carry 4.4 pounds of samples.
ACTIONS TAKEN	N/A

6. CHAIR NINA SZLOGSBERG-LANDIS AND CHIEF DEPUTY SECRETARY DAVID HOWARD	
DISCUSSION SUMMARY	Mr. Howard gave an overview of the Culture of Innovation poster that highlighted the NC-TIC structure and the partners that NCDOT is working with to gather research and innovative ideas. He also provided an overview of the information exchanges, what their needs are and how we can support each other and University Transportation Centers of Excellence, based on the Secretary of Transportation's priorities. Chair Szlosberg-Landis asked that the committee think about what a policy statement would look like over the next 30 days, and be prepared to meet to go over the draft in order to bring it to the full Board in February.
ACTIONS TAKEN	Plans to meet with the ATC Committee for 30 minutes to discuss policy draft before presenting to full board in February.

MEETING ADJOURNED (TIME): 4:04 PM



ADVANCED TECHNOLOGIES COMMITTEE (ATC) AGENDA

BOARD OF TRANSPORTATION DECEMBER 4, 2019

TIME: 11:15 PM

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum	Nina Szlosberg-Landis, Chairwoman	11:15
Opening remarks	Nina Szlosberg-Landis, Chairwoman	11:20
Building a Culture of Innovation at NCDOT	Chief Deputy Secretary, David L. Howard Kristal High Taylor, Office of Chief Deputy Secretary	11:25-11:35
Other Discussion	Nina Szlosberg-Landis, Chairwoman	11:35
Adjourn	Nina Szlosberg-Landis, Chairwoman	11:45



NORTH CAROLINA

Department of Transportation



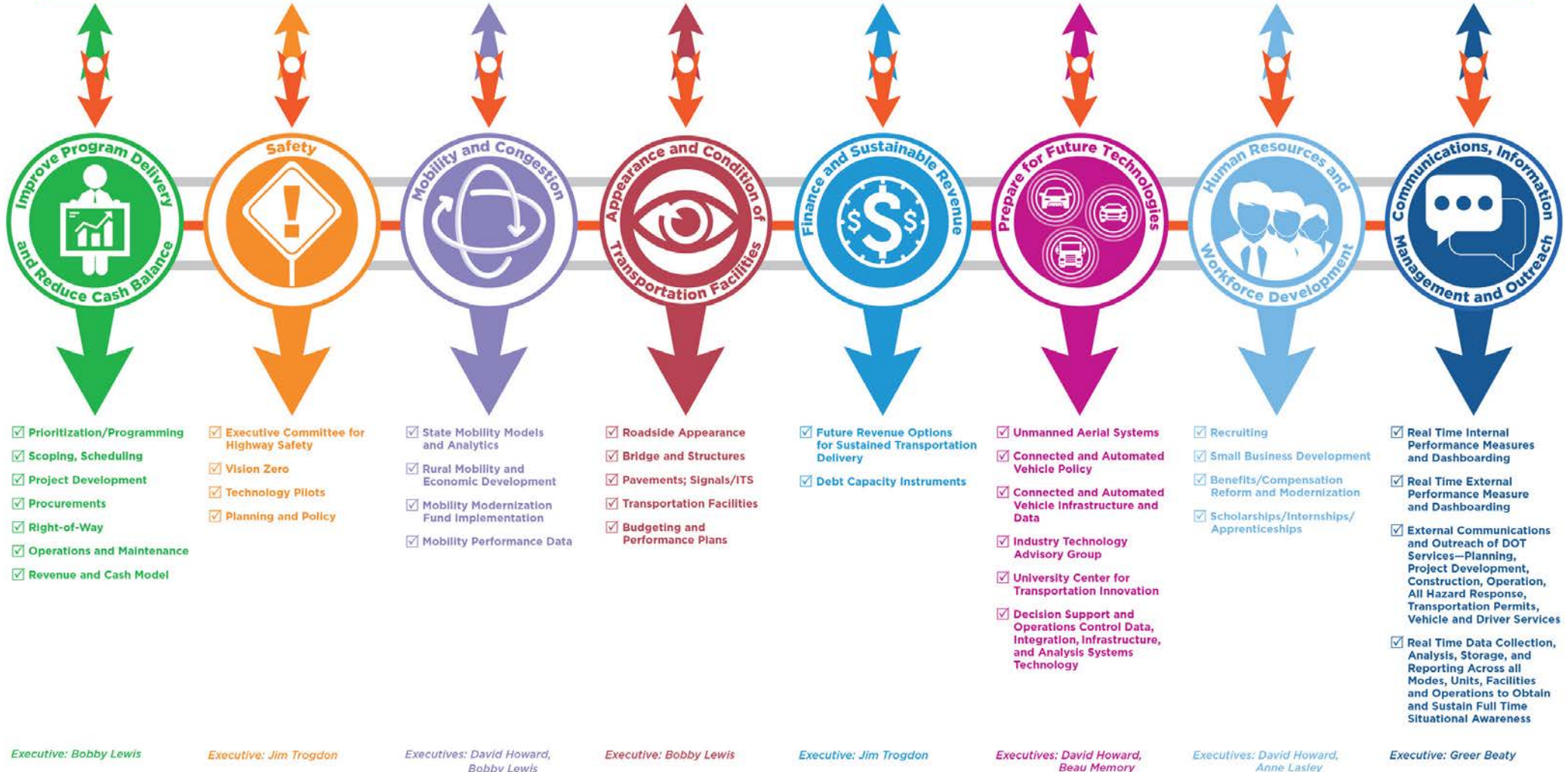
Building a Culture of Innovation

December 4, 2019

NCDOT Priorities and Work Groups

Better Transportation Service for North Carolina

Our Mission: Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.



**STIC**

State Transportation Innovation Councils

Mission

The mission of the North Carolina Transportation Innovation Council (NC-TIC) is to ***accelerate and help scale innovation*** within NCDOT and the state's surrounding transportation ecosystem by providing a platform for innovation, programming, and guidance on policies and best practices to ensure efficient investment in, and development and management of, North Carolina's transportation infrastructure.

Brief History

- 2010 FHWA initiates “Every Day Counts”
- 2011, NCDOT and FHWA established the North Carolina Transportation Innovation Council (NC-TIC)
 - Co-led by
 - NCDOT’s Chief Engineer and
 - FHWA’s NC Division Administrator
- Historically, the NC-TIC participated in three programs:
 - **Every Day Counts (EDC)** - identifies and rapidly deploys proven, yet underutilized innovations.
 - **STIC Incentive** - provides technical assistance and up to \$100,000 in total funds per state to offset the costs of standardizing innovative practices.
 - **Accelerated Innovation Deployment (AID)** - provides up to a maximum of \$1,000,000 to cover the full cost of innovation in a project.

Brief History

- NC-TIC included members from the following agencies:
 - NC Local Technical Assistance Program
 - Local Public Agencies (American Public Works Association)
 - MPOs (NC Association of Metropolitan Planning Organizations)
 - RPOs (NC Association of Rural Planning Organizations)
 - Contractors (American Concrete Pavement Association, Carolina Asphalt Pavement Association, and Carolinas Associated General Contractors)
 - Consultants (American Council of Engineering Companies)
- Currently, the Department is in the process of transforming the NC-TIC to fully comply with the mission of fostering a collaborative culture within NCDOT beyond the minimum federal guidelines.
 - NC-TIC site: <https://connect.ncdot.gov/groups/NCSTIC/Pages/default.aspx>
 - FHWA STIC site: <https://www.fhwa.dot.gov/innovation/stic/>

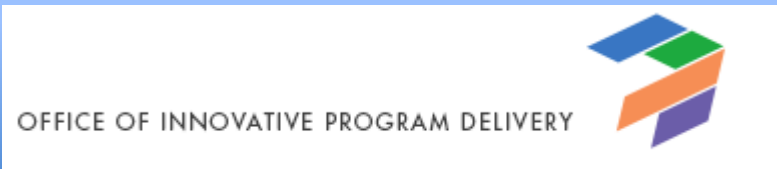
Restructuring NC-TIC

- New NC-TIC builds on past initiatives
- Structured to expand opportunities with government, education and industry working in partnership
- Targeted leadership committees include:
 - **NC-TIC Executive Committee**
 - **Advanced Technology Board Subcommittee**
 - **NC-TIC Technical Coordination Committee**
 - **NC-TIC Industry Advisory Council**
 - **Executives in Residence for Innovation + Science**

Restructuring NC-TIC

- **The new structure of the NC-TIC includes three work groups:**
 - **Innovation**
 - **Academia**
 - **Industry**
- Please note the following areas of focus for the NC-TIC are not new business units or staff to NCDOT, but rather the establishment of advisory committees using current staff.

Basis of Structure



CENTER FOR TRANSPORTATION WORKFORCE DEVELOPMENT

Delivering programs and initiatives that build transportation career awareness and improve workforce development, capability and diversity of our nation's transportation workforce.

CENTER FOR LOCAL AID SUPPORT

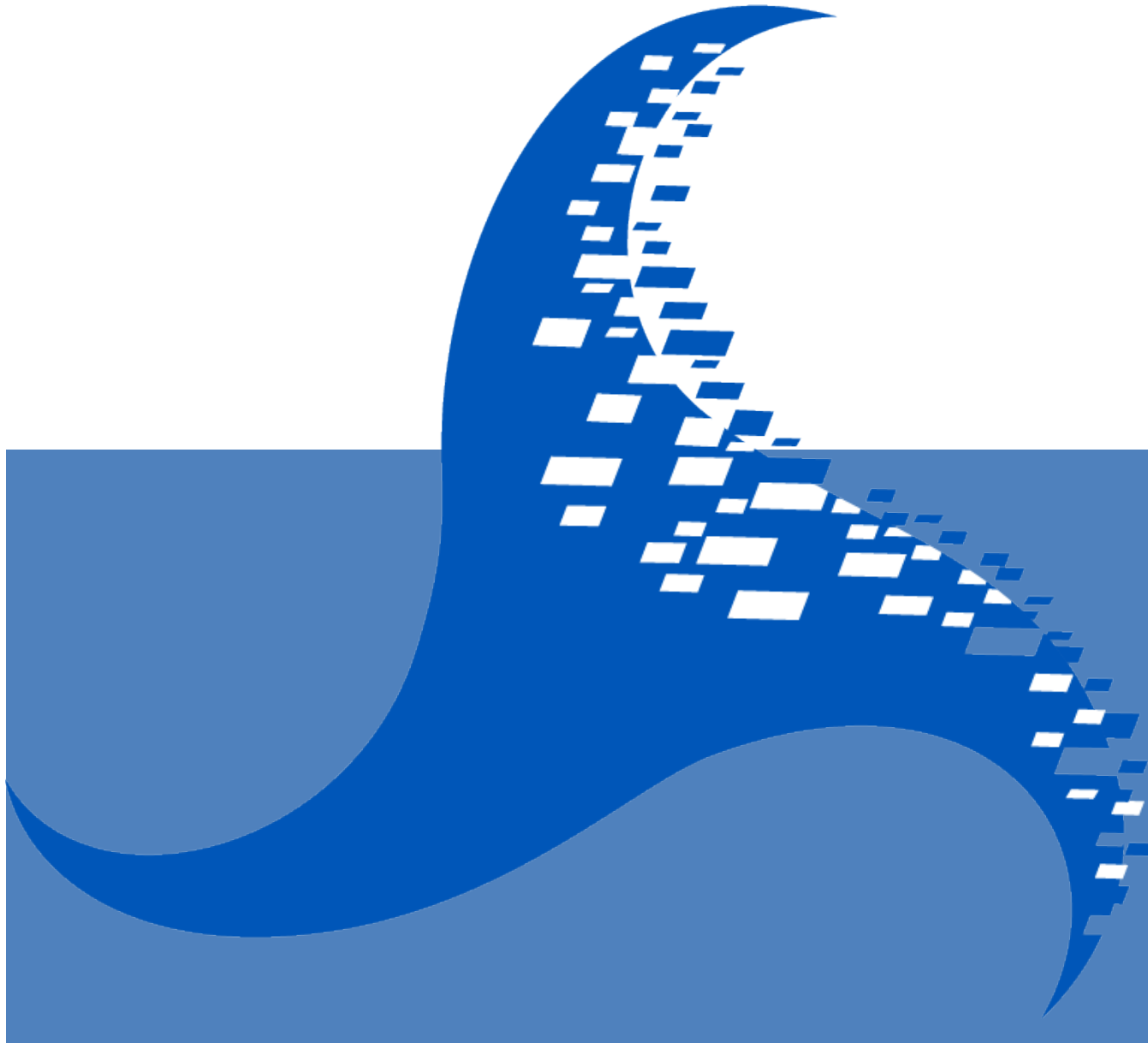
Providing national training and technical assistance networks to help local governments, tribes and land management agencies enhance roadway networks and create economic opportunity.

CENTER FOR INNOVATIVE FINANCE SUPPORT

Providing technical assistance, tools and training in the use of innovative finance and revenue strategies to bridge funding gaps and accelerate project implementation.

CENTER FOR ACCELERATING INNOVATION

Fostering the accelerated adoptions of innovation across the transportation community.



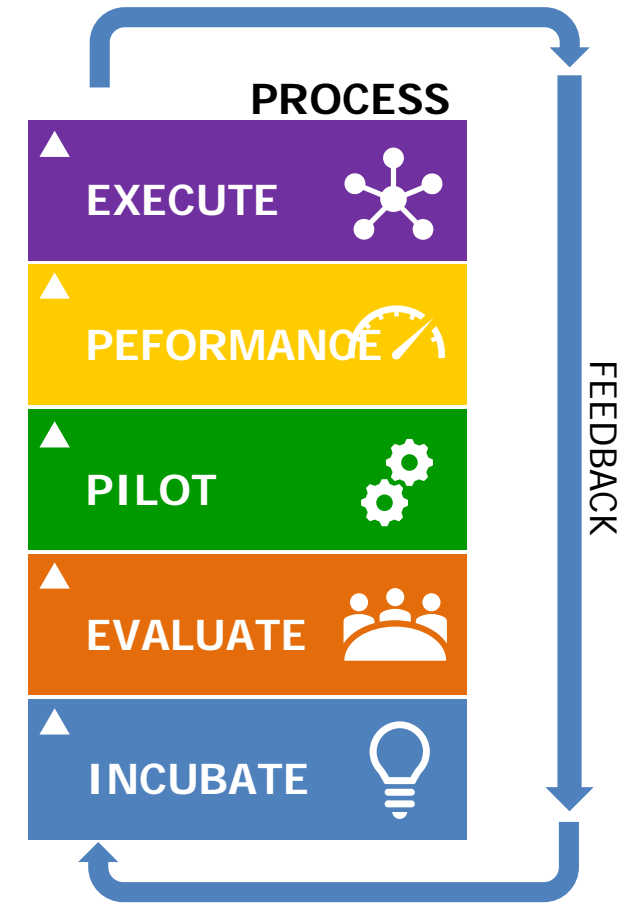
Innovation

REBECCA J. GALLAS, P.E.

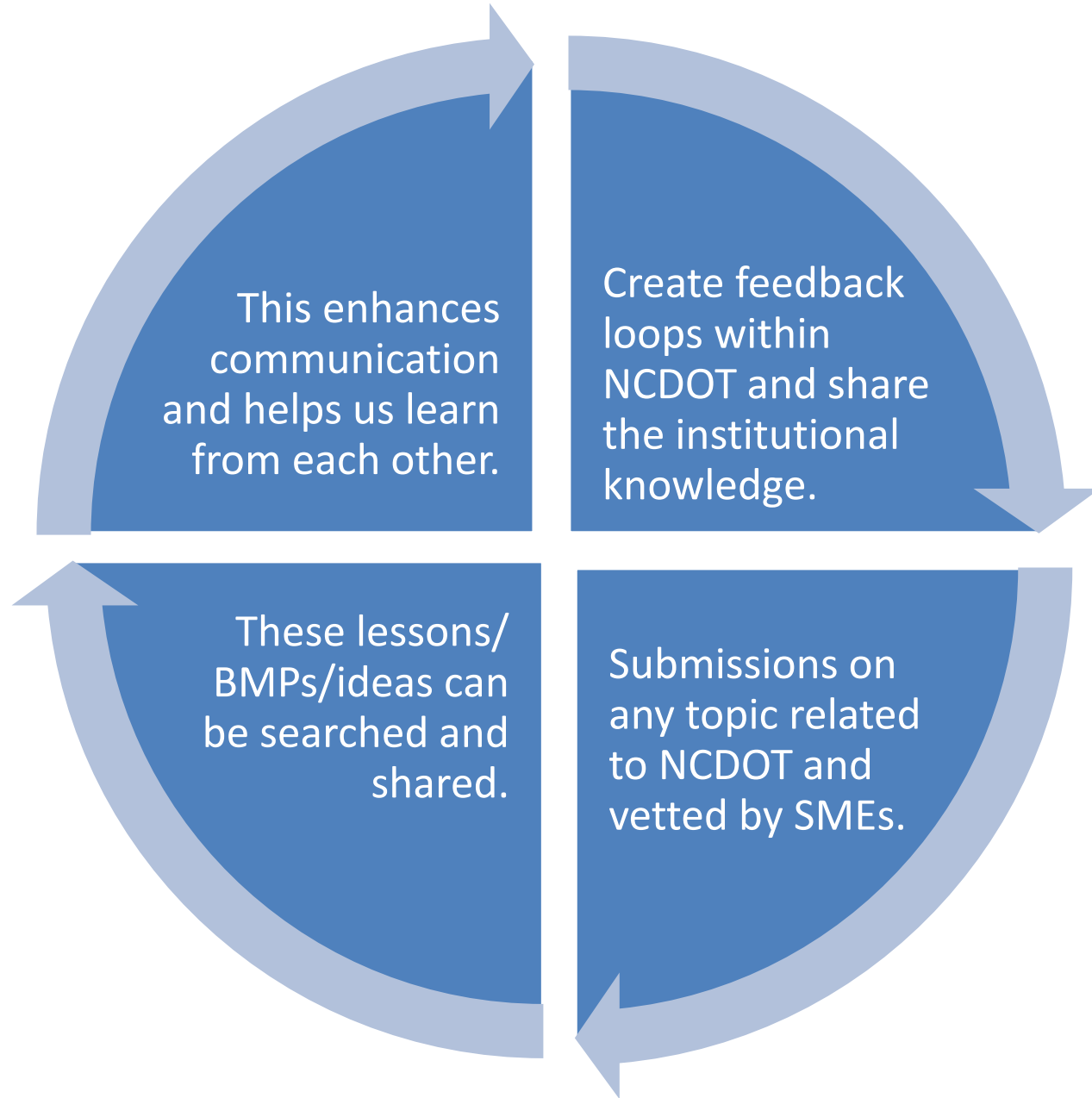
Promoting Internal Innovation

OI²Advisory
Committee**GOALS:**

- FHWA Every Day Counts
- Internal Ideas Generator Program
 - Rank & File Ideas (Policy Council Method)
 - Millennial Leadership Academy
 - Leadership
 - Legal Team
- Data/Analytics



What is CLEAR?



FHWA Innovation Programs



Mobility · Safety · Quality · Environment · Shortening Project Delivery

8 of 10

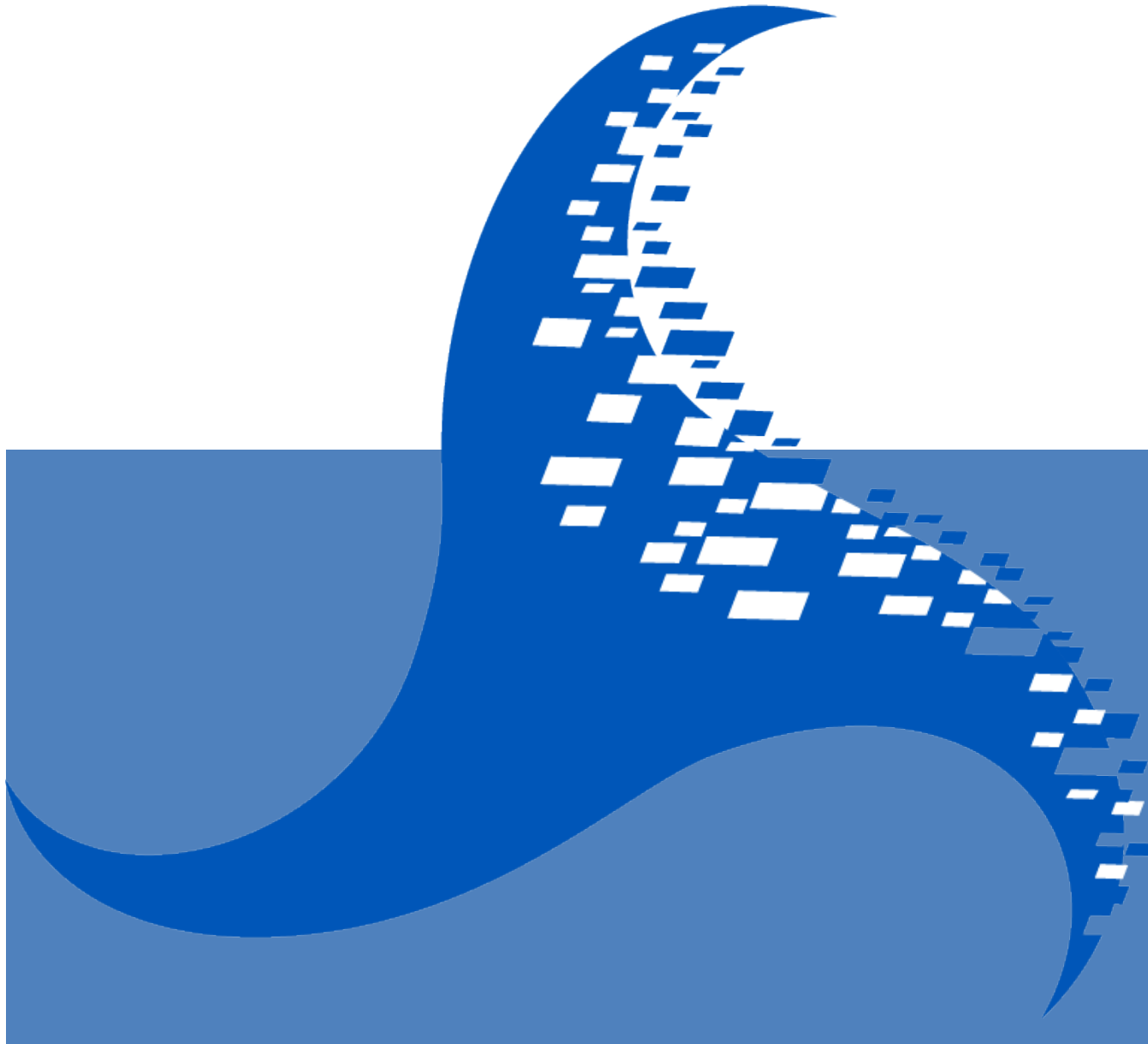
EDC-5 initiatives pursued



7 open projects
(\$315K total in federal funds)



1 proposed project
Harkers Island Bridge CFRP
(\$1M in federal funds)



Academia

NEIL MASTIN, P.E.

Pushing Boundaries with Academia

OAP
Advisory
Committee

GOALS:

- NCDOT University Centers of Excellence (UCEs)
 - *Mobility & Congestion*
 - *Future Technologies*
 - Project Development
 - Safety
- USDOT UTC Partners Council
- Industry Research & Development Partnerships
- Academia Innovation Initiatives
 - (hackathons, competitions, etc.)



Transportation Centers of Excellence Overview

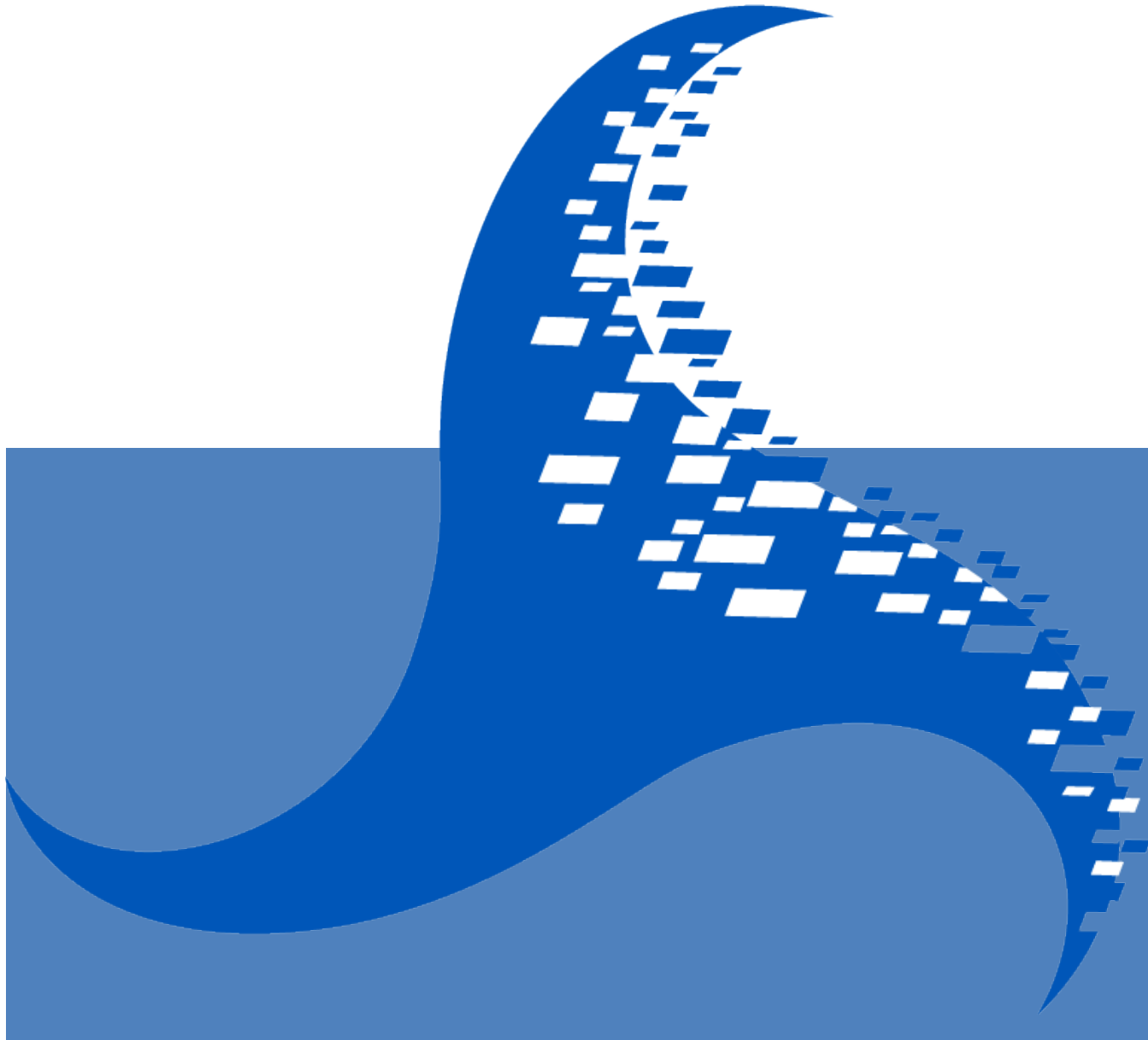
Advertised this summer for \$1M Centers of Excellence

All proposals included substantial HBCU Involvement

Selection made with program to begin in early 2020

Transportation Centers of Excellence Awarded Programs

Proposal Number	Center Name	Topic Area	Director	Lead Institution
CoE-01	North Carolina Center of Excellence on Connected and Autonomous Vehicles (NC-CAV)	Advanced Technology	Ali Karimoddini	North Carolina A&T State University
	Peer Institutions: NC State University / ITRE, UNC Charlotte			
CoE-02	University Transportation Center of Excellence – Mobility and Congestion	Mobility and Congestion	Billy Williams	North Carolina State University / ITRE
	Peer Institutions: Duke University, Fayetteville State University, NC A&T, UNC-CH			
CoE-04	NCDOT Center of Excellence in Advanced Transportation Technologies	Advanced Technology	Randa Radwan	UNC Chapel Hill / HSRC
	Peer Institutions: Appalachian State, NC Central, NC A&T, UNC Charlotte			



Industry

KRISTAL HIGH TAYLOR, ESQ.

Building Partnerships with Industry

OIP
Advisory
Committee

GOALS:

- Industry Information Exchanges
- Minorities in Transportation Tech Initiative
- Industry + Government Partners
- Innovation Initiatives
 - Hackathons
 - Competitions
 - Awards





NC-TIC Technology Advisory Committee

Preeminent corporate leaders, policy professionals, academic research partners, and subject matter technology, and telecommunications sectors working in concert with staff from NCDOT, FHWA, LTAP, FTA, FRA, FAA, local public agencies, MPOs, RPOs, and industry associations.

CATEGORY	ORGANIZATION
Academia	UNC Chapel Hill NC State North Carolina A&T NC Community Colleges
Data Technology	SAS Cisco Lenovo/IBM Microsoft Transloc
Infrastructure Technology	AT&T Verizon
Regional Technology Companies	IBM (Red Hat) Spirit
Urban	Charter (Charlotte)

INFORMATION EXCHANGES



at&t



BMW
GROUP



LM
local motors



FORD SMART MOBILITY



lenovo

MINORITIES IN TRANSPORTATION TECHNOLOGY INITIATIVE



Questions?



FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE MEETING MINUTES

DATE: Oct. 2, 2019 TIME: 2:18 pm LOCATION: EIC

MEETING CALLED BY	Chairman Tony Lathrop
BOARD ATTENDEES	Chairman Tony Lathrop, Grady Hunt, Lisa Mathis, Landon Zimmer, Dirk Cody, Jack Debnam, Nina Szlosberg-Landis

AGENDA TOPICS

1. MEETING CALL TO ORDER AND APPROVAL OF JUNE 26, 2019 FAST MEETING MINUTES – CHAIRMAN LATHROP

DISCUSSION SUMMARY	Chairman Lathrop called the meeting to order at approximately 2:18 pm on October 2, 2019. The FAST committee members approved the June 26 meeting minutes unanimously.
ACTIONS TAKEN	Chairman Lathrop confirmed committee member attendance and declared a quorum. He then asked for a motion to approve the June 26, 2019 FAST Committee meeting minutes. Jack Debnam moved to approve and Dirk Cody seconded the motion.

2. CASH BALANCE/FINANCIAL UPDATE – EVAN RODEWALD

DISCUSSION SUMMARY	Evan Rodewald, NCDOT CFO, provided the Cash Balance for September.
ACTIONS TAKEN	N/A

3. SFY 2019 STATE REVENUE COMPARISON – BURT TASAICO
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DISCUSSION SUMMARY	This presentation was a yearly update of state revenues; the money that NCDOT anticipated vs. the amount received.
ACTIONS TAKEN	N/A



FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE MEETING MINUTES

4. PUBLIC PERCEPTION OF TRANSPORTATION FEES IN NC – DANIEL FINDLEY, PH.D.	
DISCUSSION SUMMARY	<p>Presentation Overview:</p> <ul style="list-style-type: none"> • Discuss challenges to the long-term sustainability of revenue streams • Discuss the ways public perceptions of transportation taxes and fees vary by demographics • Many states are exploring alternative funding mechanisms • The survey was designed to better understand how the public perceives transportation taxes and fees <p>Discuss the existing support for increasing road funding, the gas tax, and diverse funding sources</p>
ACTIONS TAKEN	N/A

5. SURVEY RESULTS: NC FIRST COMMISSION – AMNA CAMERON	
DISCUSSION SUMMARY	<p>Survey Summary:</p> <ul style="list-style-type: none"> • Posted on NC First Commission website during July • Completed by 447 participants <p>Is not scientific, but it represents the opinions of those who closely follow the NC First Commission.</p>
ACTIONS TAKEN	N/A

Meeting Adjourned: 3:43 pm



FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE AGENDA

BOARD OF TRANSPORTATION DECEMBER 4, 2019

TIME: 2:00 PM

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Meeting Minutes Update Approval of October 2, 2019 meeting minutes	Tony Lathrop, Chair	2:10PM
Cash/Finance Update	Evan Rodewald	2:15PM
Complete 540 Update	David Roy Roger Rochelle, PE	2:20PM
Adjourn	Tony Lathrop, Chair	

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HIGHWAYS COMMITTEE MEETING MINUTES

DRAFT

DATE: 10/2/2019 TIME: 3:50 PM – 4:50 PM LOCATION: Room 150

MEETING CALLED BY	Vice-Chairman John Pope
BOARD ATTENDEES	Vice-Chairman John Pope, Jack Debnam, Grady Hunt, Lisa Mathis, Dirk Cody, Michael Alford, Hugh Overholt, Board Chairman Mike Fox

AGENDA TOPICS

1. APPROVAL OF AUGUST 2019 MINUTES	
DISCUSSION SUMMARY	Vice-Chairman Pope stated if there are no additions or corrections needed to the August 2019 minutes, he would accept a motion to approve.
ACTIONS TAKEN	Motion to approve the August minutes made by Member Alford, seconded by Member Debnam. The motion to approve the August minutes as written passed unanimously.
2. POPULATION TRENDS IN NORTH CAROLINA & IMPLICATIONS FOR TRANSPORTATION, DR. MIKE CLINE, STATE DEMOGRAPHER, DEMOGRAPHICS AND ECONOMIC ANALYSIS SECTION, NC OFFICE OF STATE BUDGET AND MANAGEMENT	
DISCUSSION SUMMARY	<p>Dr. Michael Cline, North Carolina State Demographer, discussed population trends in North Carolina and Implications for Transportation. North Carolina had the 4th largest population gain in the U. S. from April 2010 to July 2018 and is the 9th largest state at 10.4 Million people. Our population is projected to increase to 12.8 million in 2038. Of the increased growth from April 2010 to July 2018, there was more migration to North Carolina versus our neighboring states with 72% of the migration being domestic and 28% international. In-migration is now a major component of North Carolina's population growth.</p> <p>Population growth in our state has been robust but uneven, with urban areas accounting for most of our growth. Last decade, 53% of our growth occurred in the Charlotte and Raleigh Urbanized Areas and another 41% occurred in all of our other urbanized areas. Just 5% of our growth occurred in small towns and rural areas. Since 2010, 31 North Carolina counties have experienced population loss, 25 counties have experienced growth of 8.9% or higher while 44 counties have experienced more modest growth between 0% and 8.8%. Between July 2019 and July 2038, the overall projected growth is 21.7%. Projections indicate that 17</p>



HIGHWAYS COMMITTEE MEETING MINUTES

DRAFT

	<p>counties will experience population loss, 26 counties will experience growth between 0% and 4.9%, 30 counties will experience growth between 5% and 21.7% while 27 counties will experience growth greater than 21.7%. Projections show that Divisions 5 and 10 will account for 51.5% of all growth over the next 19 years.</p> <p>Other population aspects to consider are aging and race/ethnic diversification. The population group of 65 and over is projected to grow more than 2-1/2 times faster than the total population over the next 19 years. By 2030, 1 in 5 North Carolinians will be 65 years or older and by 2035, there will be more older adults than children. Of the projected population growth, people of color will account for 63% of the 2.3 million people added between now and 2038.</p> <p>Transportation challenges based on the projected increase include more drivers on the roads, more vehicle miles travelled and more demands for all modes of transportation. Increased urbanization may increase road congestion and more demand for alternative modes of transportation.</p>
ACTIONS TAKEN	None

<p>3. DYNAMIC ZIPPER MERGE: REDUCING CRASHES AND QUEUES IN FREEWAY WORK ZONES, DR. JOE HUMMER, STATE TRAFFIC MANAGEMENT ENGINEER, MR. KEN THORNEWELL, CENTRAL WORK ZONE TRAFFIC CONTROL ENGINEER, AND MS. MEREDITH MCDIARMID, STATE TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS ENGINEER, NCDOT TRANSPORTATION MOBILITY AND SAFETY</p>	
DISCUSSION SUMMARY	<p>Dr. Joe Hummer, Mr. Ken Thornewell, and Ms. Meredith McDiarmid with the NCDOT's Mobility and Safety Division provided a presentation on Dynamic Zipper Merges. The Dynamic Zipper Merge is designed to reduce the long queues of traffic associated with lane closures on freeway type facilities by encouraging drivers to stay in their lane longer. Speed sensors and changeable message boards are used several miles prior to the lane reduction. Data from the speed sensors determines the messages displayed on the message boards. When traffic is flowing freely, the messages tell drivers which lane is closed and how many miles ahead they must merge. When speeds fall below 40 mph, the messages advise motorists of slow traffic ahead. When speeds slow to less than 25 mph for at least 1.5 miles, the messages encourage drivers to use both lanes to the merge point then at the taper, the messages direct drivers to merge at that location, taking turns. This technique was used on an I-77 slab replacement project in Surry County after this area experienced daily congestion in excess of 5 miles between 10am and 6pm, which was not predicted by traffic demand data. It worked well in this application reducing the number of crashes overall. The number of fatal and injury crashes dropped to zero the month after the dynamic</p>



HIGHWAYS COMMITTEE MEETING MINUTES

DRAFT

	<p>zipper merge was implemented. While this application of the Dynamic Zipper Merge worked well, longer term evaluation is needed. The Department will use this application in other similar cases where there is a long-term lane reduction on a freeway/interstate type facility. Future use of the Dynamic Zipper Merge will only be considered where there are long-term lane closures requiring that the closures cannot be removed until the work is complete, such as full-depth concrete slab replacements.</p>
ACTIONS TAKEN	None



HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION DECEMBER 4, 2019

TIME: 10:30 AM – 11:15 AM

LOCATION: Room 150

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Approval of October 2, 2019 Meeting Minutes	Cullie Tarleton, Chairman	10:30 am
Project Spotlight: I-40 Business in Winston Salem	Mr. Pat Ivey, P.E., Division Engineer, NCDOT Division 9	10:35 am
Other Discussion	Cullie Tarleton	11:05 am
Adjourn	All	11:15 am



NORTH CAROLINA

Department of Transportation



Board of Transportation Highways Committee

Business 40 Project Update

Pat Ivey, P.E., Division Engineer

December 4, 2019

Contract Details

- August 2016 – Awarded Design-build contract to Flatiron Constructors, Inc./Blythe Development Company Joint Venture and HDR Engineering Inc.
- **Contract amount \$99.2 million.**
- Rebuild 1.2-miles of roadway along Business 40
- **Construction of 9 vehicular bridges, 2 pedestrian bridges and 1 pedestrian culvert/tunnel.**
- **Construction of 28 retaining walls.**
- **Construct portions of Multi Use Path (MUP).**
- Rename the Business 40 corridor, “Salem Parkway”.
- **Completion date November 2020 with 21 mo. closure**

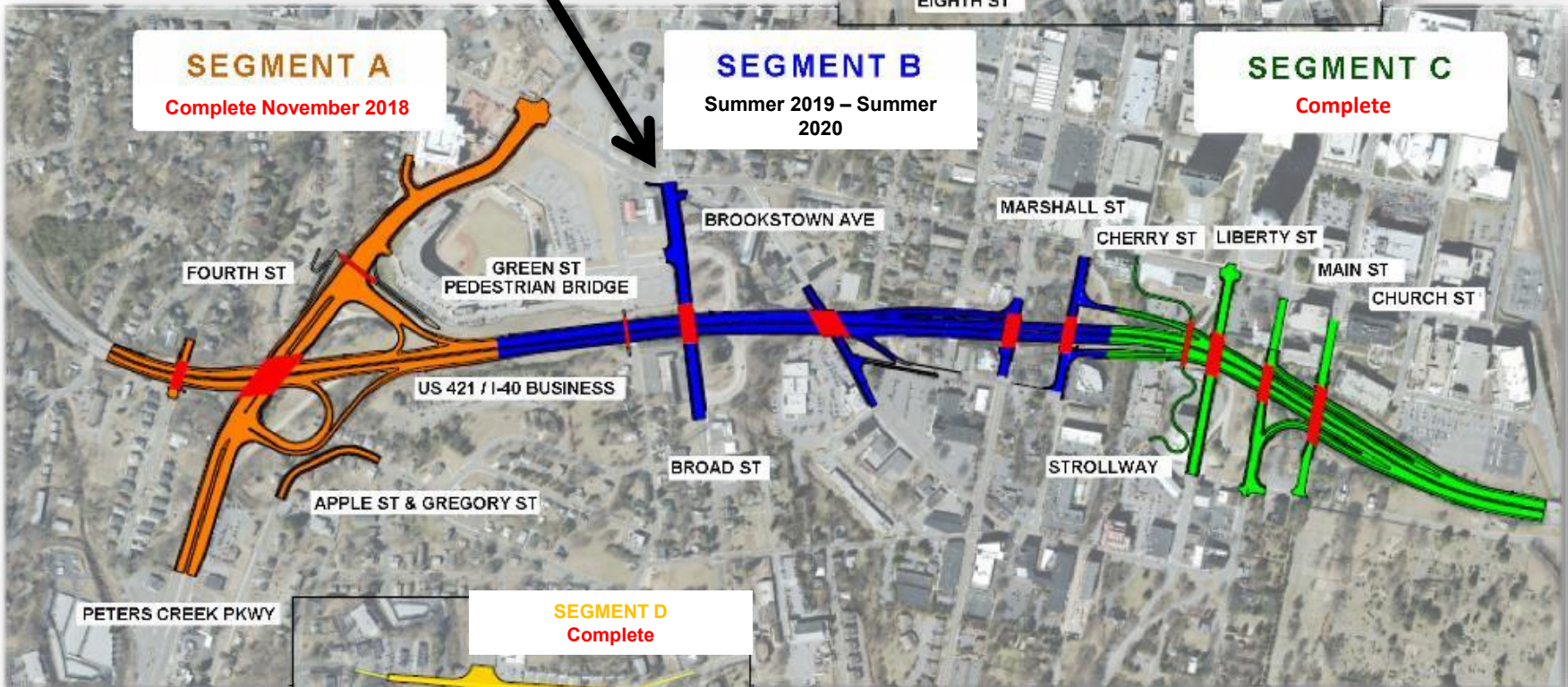
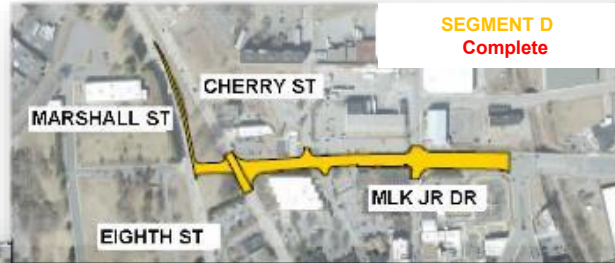
Project Acceleration

- **Business 40 full closure has been reduced from 21 months to 17 months.**
- **Business 40 full closure East of Main St. has been reduced from 10 months to 7 months.**
- **All vehicular bridge closures have been reduced from 10 months to 8 months.**
- **Advanced Broad St. to be constructed during Segment A and C.**

Business 40 Improvements

Dates based on acceleration schedule

Broad St. Bridge (Complete)



SEGMENT A
Complete November 2018

SEGMENT B
Summer 2019 – Summer 2020

SEGMENT C
Complete

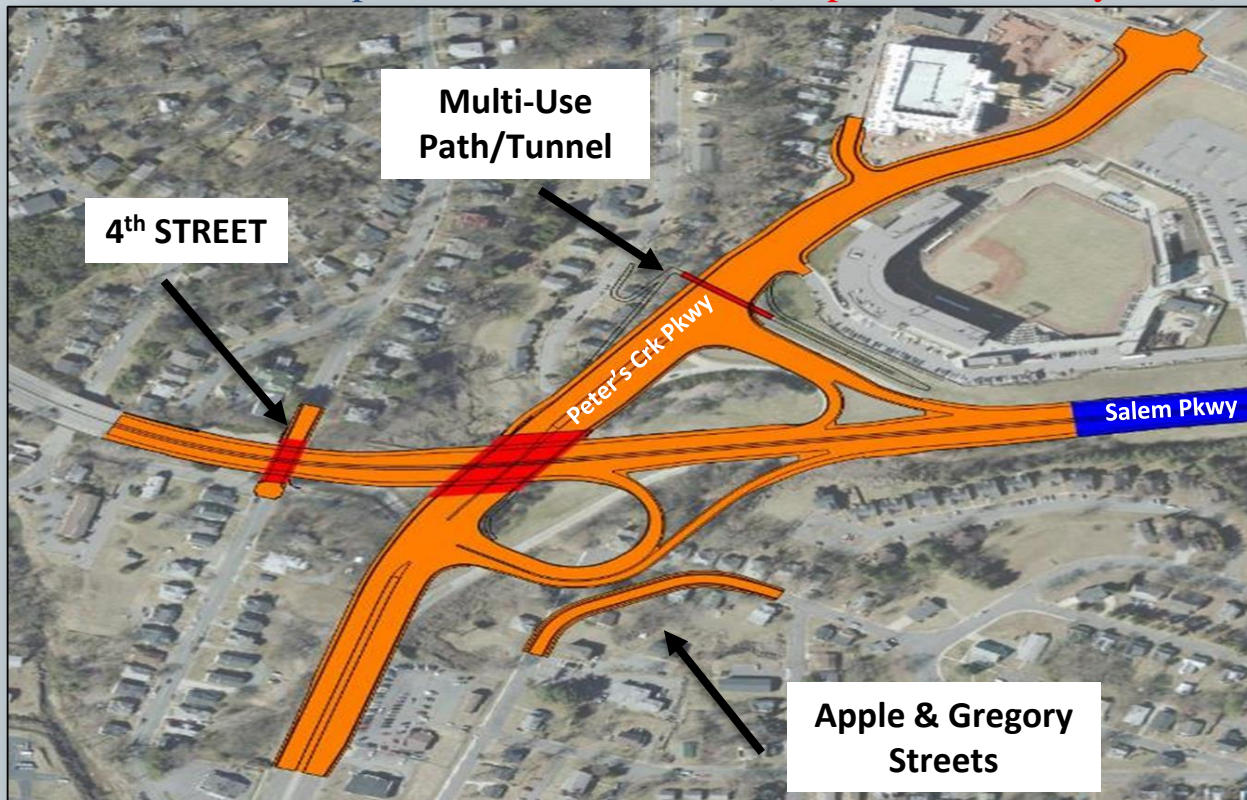


Business 40 Project Timeline/ Milestones

SEGMENT A - COMPLETE

PETERS CREEK PARKWAY construction completed in November 2018.

- **BUSINESS 40 CLOSED** on November 17, 2018 through Spring 2020 from Peters Creek Parkway to U.S. 52.
 - Offsite Improvements - 4th Street (**reopened in January 2019**)



Building the Future **BUSINESS 40**



Business 40 Improvements



Building the Future

BUSINESS 40

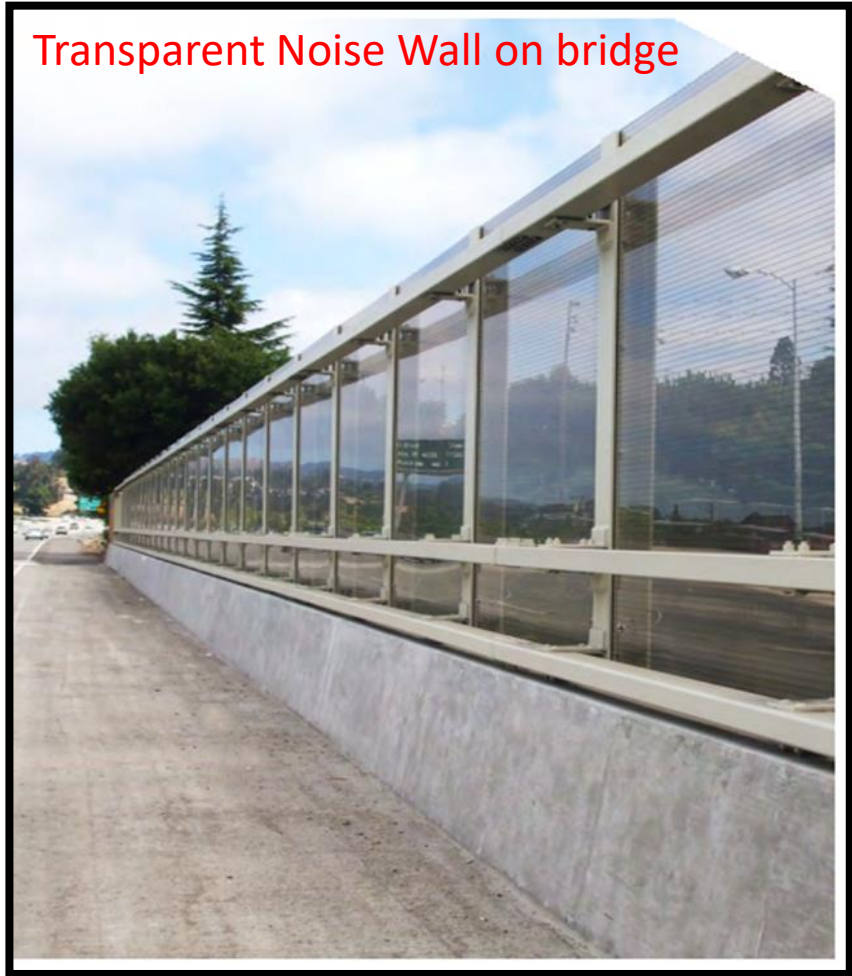


Business 40 Improvements



Fourth Street Bridge arches

Peters Creek Parkway





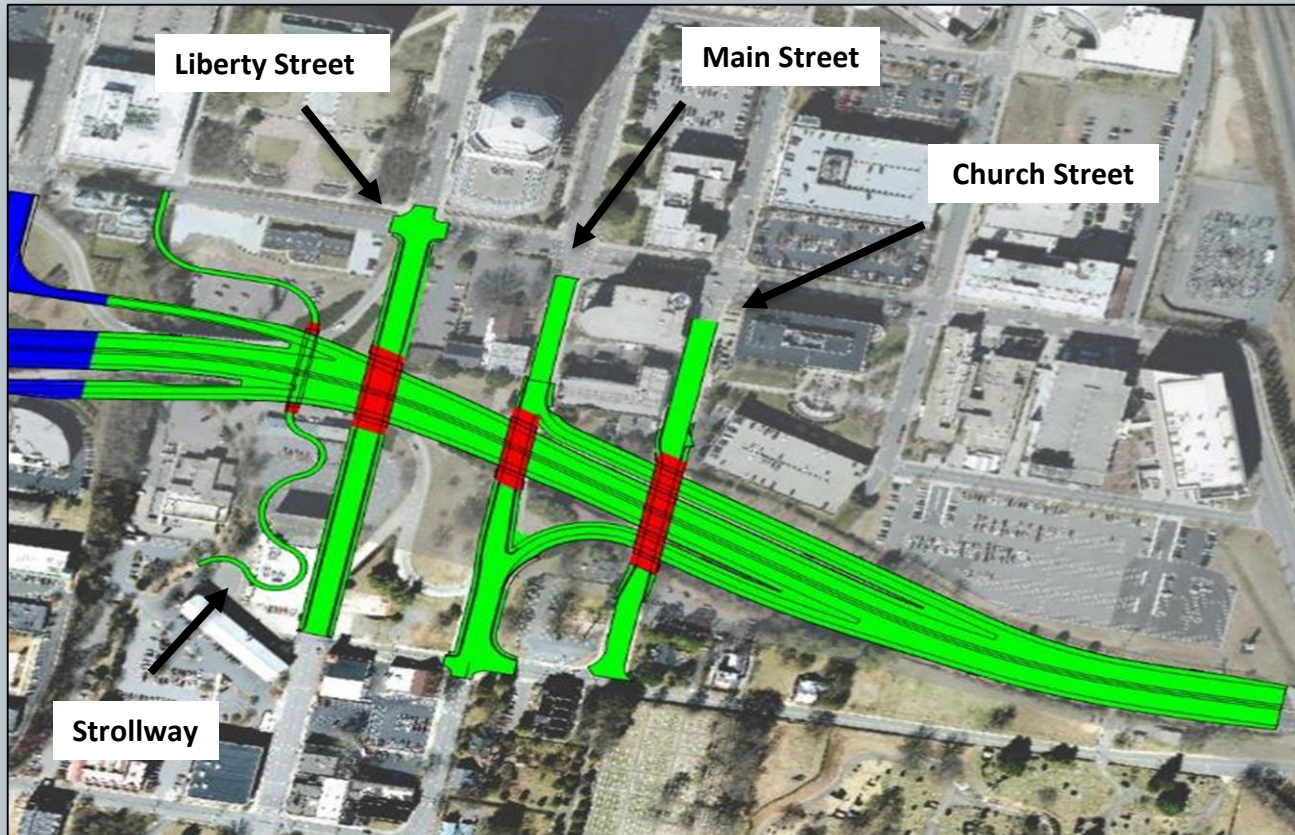
Multi-Use Path



Business 40 Project Timeline/ Milestones

SEGMENT B - COMPLETE

- Broad Street (reopened in April 2019) - Main Street (reopened in May 2019)
- Church Street (reopened in May 2019) - Liberty Street (reopened in July 2019)
 - Strollway Land Bridge (Under construction)





September 2018



April 2019



July 2019

Main Street Bridge



Retaining wall with brick enhancements and decorative railing



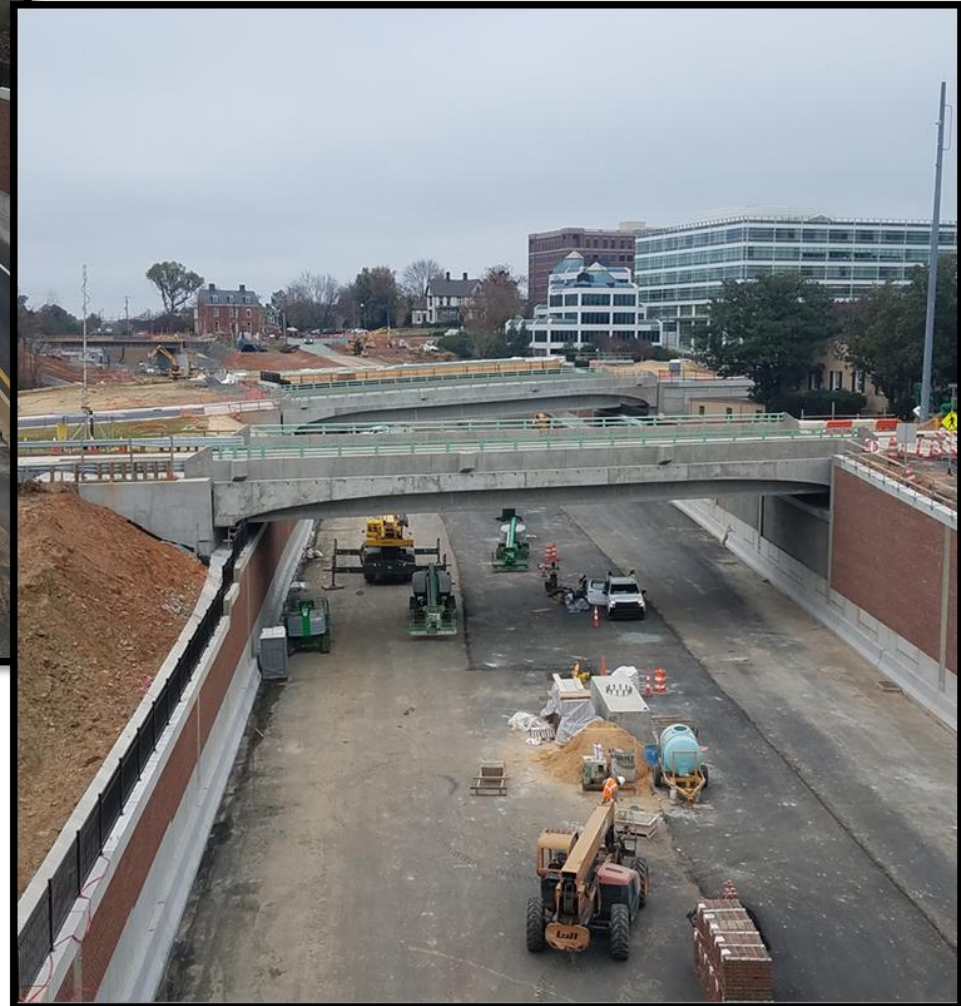
Church Street





**Salem Parkway
looking east from
Church Street**

**Salem Parkway
looking west from
Church Street**

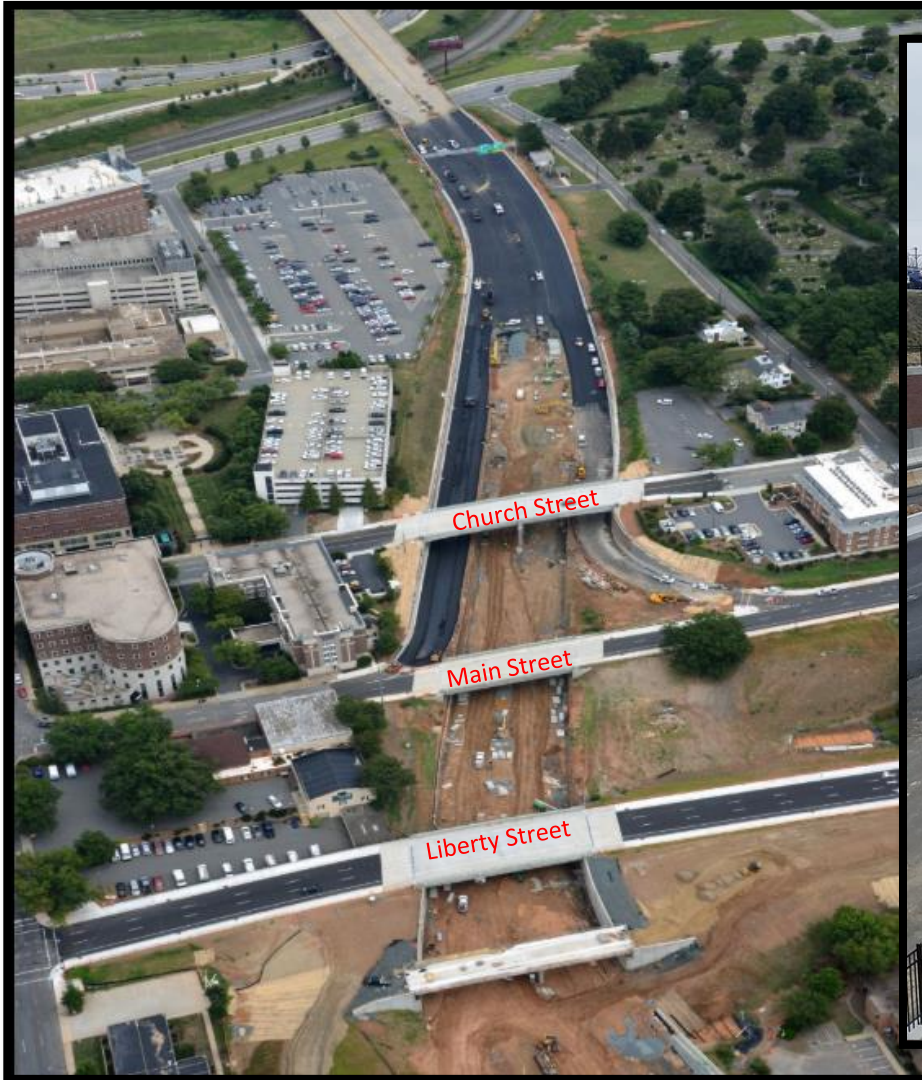




Strollway Bridge

Strollway, Liberty Street and Main Street bridges





Opening Salem Parkway from US 52 to Main Street

Business 40 Improvements



←----- NEW Broad Street Bridge



Arch Facade



Building the Future

BUSINESS 40



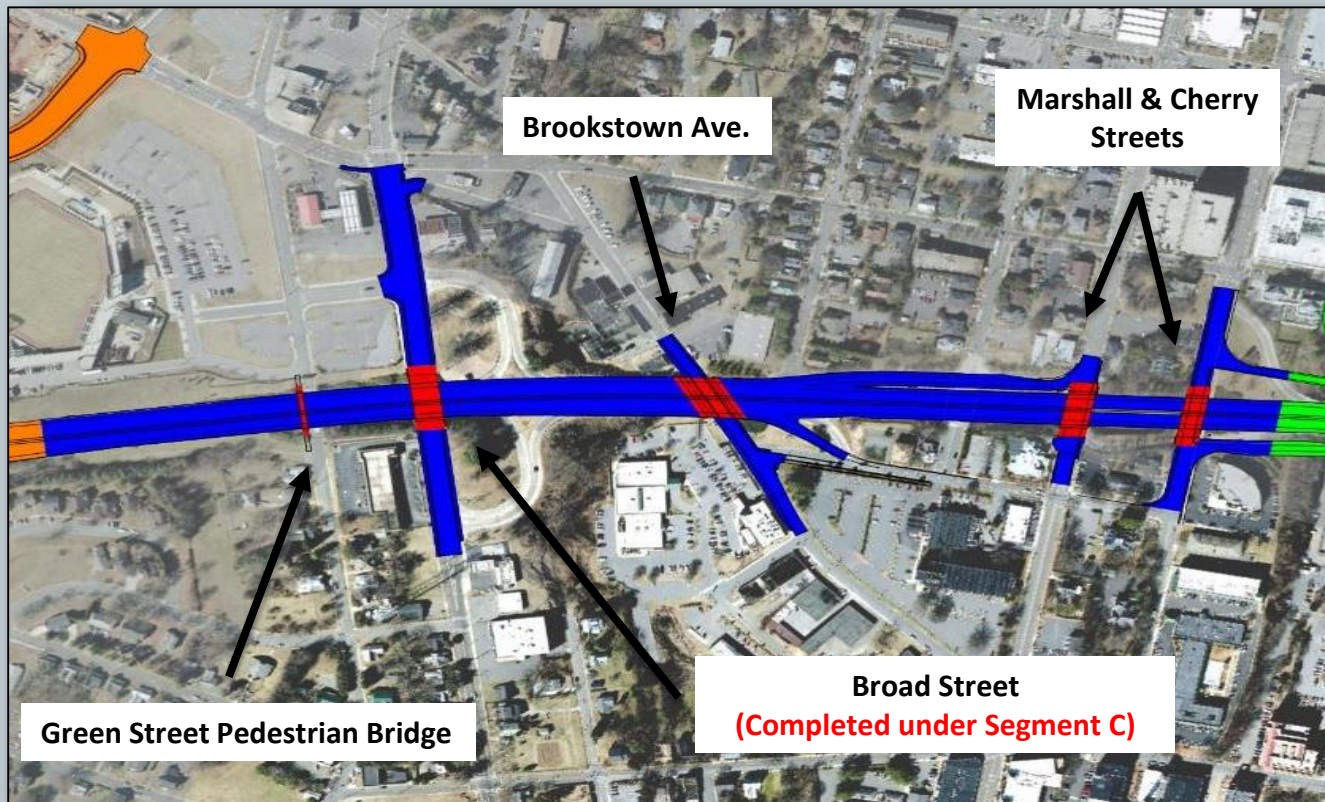
Business 40 Project Timeline/ Milestones

SEGMENT B – IN PROGRESS

From Summer 2019 to Spring 2020, the following bridges will be closed for construction:

- Cherry Street/Marshall Street (open December 2019) - Brookstown Ave (open November 2019)
 - Green Street Pedestrian Bridge (under construction)

The remaining section of Business 40 from Peters Creek Pkwy to Main St. will reopen as soon as complete.



Business 40 Improvements

April 2019

September 2018



August 2019

Building the Future

BUSINESS 40





Green Street Pedestrian Bridge

Salem Parkway

What made the Business 40 project a success?

- **Advanced Planning, Public involvement and Partnerships**
- **Great Design Build Team and Division staff**
- **Willingness to step outside the box - innovation**
- **COMMUNICATION**

Video