

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

June 5-6, 2019

Delegated Authority Secretary Trogon

- (Item C) Award of Highway Construction Contracts from May 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
 - (Item I-1A) Public Transportation
 - (Item I-2) Rail Program
 - (Item I-3) Bicycle and Pedestrian
 - (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 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations **(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

MAY 21, 2019

According to Executive Order No. 2 and G.S. 143B-350(g), the Board is requested to concur with staff recommendations and delegate authority to the Secretary to award the following highway construction projects.

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY 21, 2019
DIVISION 00002

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ITEM C

C204332
47981.3.GV1, 47984.3.GV1
NHPIM-0264(068), NHPIM-0264(067)
GREENE, PITT
I-6032, I-6035

PROPOSAL LENGTH 18.110 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

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

EST CONST PROGRESS.... FY-2020..59% OF BID
FY-2021..36% OF BID
FY-2022..05% OF BID

RPN 004 2 BIDDER(S) DBE GOAL 6.00 %
ESTIMATE 29,198,270.29

DATE AVAILABLE JUL 08 2019

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

FINAL COMPLETION MAR 14 2022

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

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

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

PROPOSAL LENGTH 7.490 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

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

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

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

DATE AVAILABLE JUL 01 2019

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

FINAL COMPLETION OCT 30 2020

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

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

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C204329
45892.3.2, 45894.3.3
NHPIM-0073(053), NHPIM-0073(056)
RICHMOND, MONTGOMERY
I-5946A, I-5947B

PROPOSAL LENGTH 8.620 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

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

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

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

DATE AVAILABLE JUL 01 2019

FINAL COMPLETION APR 30 2020

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

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

**NCDOT June 2019
Board of Transportation Agenda**

According to Executive Order No. 2 and G. S. 143B-350 (g) the Board is requested to concur with staff recommendations and delegate authority to the Secretary to award contracts to private firms for engineering services.

Professional Services Management

Chief Operating Officer

Chief Engineer

Transportation Mobility and Safety – ITS & Signals Management Section

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

DIVISION 2

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

Transportation Mobility and Safety – Traffic Management Unit

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

STATEWIDE

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

Deputy Chief Engineer

Highway Operations

Roadside Environmental Unit – Erosion Control Engineering Section

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

STATEWIDE

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

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

Maintenance Operations and Fleet Management – State Maintenance Operations

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

STATEWIDE

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

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

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

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

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

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

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

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

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

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

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

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

Divisions

Division 12

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

DIVISION 12

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

Division 13

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

DIVISION 13

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

END of ITEM D.

June 6, 2019

**NCDOT June 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

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

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

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

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

NCDOT June 2019 Board of Transportation Agenda

Additions to the State Highway System:

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

NCDOT June 2019 Board of Transportation Agenda

Additions to the State Highway System:

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

NCDOT June 2019 Board of Transportation Agenda

Additions to the State Highway System:

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

NCDOT June 2019 Board of Transportation Agenda

Abandonments from the State Highway System:

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

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

Corrections:

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

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

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

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

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

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

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

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

Deletions:

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

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

Summary:	Number of Divisions	9
	Number of Projects	19
Small Construction Commitment		\$529,688.02
Public Access Commitment		\$881,362.00
Contingency Commitment		\$790,500.00
Economic Development Commitment		\$487,500.00
High Impact/Low Cost Commitment		\$48,388.64
TOTAL:		\$2,737,438.66

NCDOT June 2019 Board of Transportation Agenda
Public Transportation Program

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

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

Estimates in thousands

MODIFICATION to the Transit 2018-2027 STIP

TG-4759 GREENSBORO TRANSIT PREVENTIVE MAINTENANCE
GUILFORD AUTHORITY
DIV

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

CAPITAL	FY 2018-	\$2,621	(FUZ)
	FY 2018-	\$656	(L)
	FY 2019-	\$2,576	(FUZ)
	FY 2019-	\$644	(L)
	FY 2020-	\$644	(L)
	FY 2020-	\$2,576	(FUZ)
	FY 2021-	\$644	(L)
	FY 2021-	\$2,576	(FUZ)
	FY 2022-	\$2,576	(FUZ)
	FY 2022-	\$644	(L)
	FY 2023-	\$2,576	(FUZ)
	FY 2023-	\$644	(L)
	FY 2024-	\$2,576	(FUZ)
	FY 2024-	\$644	(L)
	FY 2025-	\$644	(L)
	FY 2025-	\$2,576	(FUZ)
	FY 2026-	\$2,576	(FUZ)
	FY 2026-	\$644	(L)
	FY 2027-	\$644	(L)
	FY 2027-	\$2,576	(FUZ)
		<u>\$32,257</u>	

TG-5105 GREENSBORO TRANSIT ROUTINE CAPITAL
GUILFORD AUTHORITY
HF

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

CAPITAL	FY 2018-	\$20	(L)
	FY 2018-	\$80	(FUZ)
	FY 2019-	\$80	(FUZ)
	FY 2019-	\$20	(L)
	FY 2020-	\$80	(FUZ)
	FY 2020-	\$20	(L)
	FY 2021-	\$80	(FUZ)
	FY 2021-	\$20	(L)
	FY 2022-	\$80	(FUZ)
	FY 2022-	\$20	(L)
	FY 2023-	\$20	(L)
	FY 2023-	\$80	(FUZ)
	FY 2024-	\$80	(FUZ)
	FY 2024-	\$20	(L)
	FY 2025-	\$20	(L)
	FY 2025-	\$80	(FUZ)
	FY 2026-	\$80	(FUZ)
	FY 2026-	\$20	(L)
	FY 2027-	\$20	(L)
	FY 2027-	\$80	(FUZ)
		<u>\$1,000</u>	

Estimates in thousands

MODIFICATION to the Transit 2018-2027 STIP

TQ-6783	GREENSBORO TRANSIT	SECTION 5310 CAPITAL PROJECT	CAPITAL	FY 2018-	\$44	(L)
GUILFORD	AUTHORITY			FY 2018-	\$175	(FEPD)
HF				FY 2019-	\$181	(FEPD)
				FY 2019-	\$46	(L)
				FY 2020-	\$181	(FEPD)
				FY 2020-	\$46	(L)
				FY 2021-	\$181	(FEPD)
				FY 2021-	\$46	(L)
				FY 2022-	\$46	(L)
				FY 2022-	\$181	(FEPD)
				FY 2023-	\$46	(L)
				FY 2023-	\$181	(FEPD)
				FY 2024-	\$181	(FEPD)
				FY 2024-	\$46	(L)
				FY 2025-	\$181	(FEPD)
				FY 2025-	\$46	(L)
				FY 2026-	\$46	(L)
				FY 2026-	\$181	(FEPD)
				FY 2027-	\$181	(FEPD)
				FY 2027-	\$46	(L)
					<u>\$2,262</u>	
TA-6689	GUILFORD COUNTY	REPLACEMENT VEHICLES	CAPITAL	FY 2018-	\$12	(L)
GUILFORD	TRANSPORTATION (TAMS)			FY 2018-	\$46	(FBUS)
HF				FY 2019-	\$41	(FBUS)
				FY 2019-	\$8	(L)
				FY 2020-	\$41	(FBUS)
				FY 2020-	\$8	(L)
				FY 2021-	\$41	(FBUS)
				FY 2021-	\$8	(L)
				FY 2022-	\$8	(L)
				FY 2022-	\$41	(FBUS)
				FY 2023-	\$8	(L)
				FY 2023-	\$41	(FBUS)
				FY 2024-	\$41	(FBUS)
				FY 2024-	\$8	(L)
				FY 2025-	\$41	(FBUS)
				FY 2025-	\$8	(L)
				FY 2026-	\$8	(L)
				FY 2026-	\$41	(FBUS)
				FY 2027-	\$41	(FBUS)
				FY 2027-	\$8	(L)
					<u>\$499</u>	

Estimates in thousands

MODIFICATION to the Transit 2018-2027 STIP

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

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

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

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

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

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

Estimates in thousands

DELETION to the Transit 2018-2027 STIP

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

ITEM I-1A SUMMARY

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

NCDOT June 2019 Board of Transportation Agenda

Rail Program

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

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

NCDOT June 2019 Board of Transportation Agenda

Division of Bicycle and Pedestrian Transportation Program

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

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

NCDOT June 2019 Board of Transportation Agenda

Aviation Program

**Division
Airport
County**

Project Description

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

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

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

June 6, 2019

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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NCDOT June 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
Kinston/ Lenoir Co. Div. 2 SS-4902CN	WBS 47439.3.1 SR 1838 (Vernon Avenue) at McLewean Street. \$43,493.00 in Spot Safety construction funds has previously been approved for traffic signal and pavement marking revisions. Additional funds are needed due to an increase in construction costs. File 02-16-44148-1	\$49,272.00
Pitt Co. Div. 2 SS-4902DG	WBS 48741.3.1 SR 1206 (Bell Arthur Road) between 0.07 mile west of SR 1208 (Kinsaul-Willoughby Road) and 0.15 mile southeast of SR 1127 (Frog Level Road). Initial Spot Safety construction funds are needed for warning sign and pavement marking revisions, supplemental Stop sign and monolithic island construction on SR 1127, and shoulder improvements. File 02-18-53594C	\$175,000.00
Pitt Co. Div. 2 SS-4902DG	WBS 48741.2.1 SR 1206 (Bell Arthur Road) between 0.07 mile west of SR 1208 (Kinsaul-Willoughby Road) and 0.15 mile southeast of SR 1127 (Frog Level Road). Initial Spot Safety right of way and utilities funds are needed for warning sign and pavement marking revisions, supplemental Stop sign and monolithic island construction on SR 1127, and shoulder improvements. File 02-18-53594R	\$10,000.00
Wilmington/ New Hanover Co. Div. 3 SS-4903EC	WBS 48743.3.1 US 17 Business (Market Street) and US 17 Business (3rd Street). Initial Spot Safety construction funds are needed for traffic signal revisions. File 03-19-48672C	\$39,000.00
Jacksonville/ Onslow Co. Div. 3 SS-4903ED	WBS 48744.3.1 SR 1308 (Gumbranch Road) and Williamsburg Parkway. Initial Spot Safety construction funds are needed for traffic signal revisions. File 03-19-48239C	\$35,000.00

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

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

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

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

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

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

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

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

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

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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
Hendersonville/ Henderson Co. Div. 14 SS-4914DG	WBS 47478.3.1 Various intersections (14) along the US 64 and US 25 Business one-way pairs in downtown Hendersonville. \$45,000.00 in Spot Safety construction funds has previously been approved for traffic signal, signing, and pavement marking revisions. Additional funds are needed due to an increase in construction costs. File 14-17-205-1	\$12,636.00
Transylvania Co. Div. 14 SS-4914CL	WBS 44769.3.1 SR 1207 (Barclay Road) from US 276 to SR 1113 (South Country Club Road) near Brevard. \$38,144.50 in Spot Safety construction funds has previously been approved for guardrail installation. Additional funds are needed due to an increase in construction costs. File 14-15-221-1	\$10,048.00
Transylvania Co. Div. 14 SS-4914DS	WBS 48770.3.1 US 64 from US 178 to SR 1337 near Rosman. Initial Spot Safety construction funds are needed for centerline rumble stripes installation. File 14-19-201C	\$130,000.00
Transylvania Co. Div. 14 SS-4914DS	WBS 48770.2.1 US 64 from US 178 to SR 1337 near Rosman. Initial Spot Safety right of way and utilities funds are needed for centerline rumble stripes installation. File 14-19-201R	\$1,000.00
ITEM L SUMMARY	59 PROJECTS	\$2,982,290.76

June 6, 2019

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

Division 1

Rural

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

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

Division 2

Safety

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

Rail Program

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

Division 3

Enhancement

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

Bridge

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

New Hanover Co. W-5703C REGIONAL	44849.1.3, HSIP-0421(091) US 421 (Carolina Beach Road) between US 117 / NC 132 (College Road) and 200 feet north of Willoughby Park Road. \$460,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$415,000.00 Cost \$373,500.00 Fed. \$41,500.00 State
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**NCDOT June 2019 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4

Bridge

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

Safety

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

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

Division 4 (Continued)

Rural

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

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

Division 5

Interstate

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

Congestion Mitigation

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

Safety

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

Division 5 (Continued)

Rural

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

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

Division 6

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Cumberland Co. U-5605 DIVISION	45833.1.1, STPDA-1600(013) SR 4202 (Odell Road) from the Fort Bragg Boundary to NC 24/NC 87 (Bragg Boulevard). \$1,100,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$120,000.00 Cost \$96,000.00 Fed. \$24,000.00 State

Rail Program

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

Division 7

Congestion Mitigation

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

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

Division 8

High Priority

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

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

Division 9

Urban

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

Bridge

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

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

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

Division 10

Congestion Mitigation

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

Safety

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

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

Division 12

Congestion Mitigation

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

Bicycle and Pedestrian

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

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

Division 13

Interstate

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

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

Division 14

Safety

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

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

Statewide

Congestion Mitigation

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

Planning and Research

Statewide M-0482F STATEWIDE	50145.1.6, MMP-00SS(063) Peer Exchange to improve Multi-Modal Planning. Funds are needed for preliminary engineering.	\$36,000.00 \$28,800.00 \$7,200.00	Cost Fed. State
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ITEM M SUMMARY - 40 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$283,008,424.00

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 9

* U-6231	NEW ROUTE, SR 4001 (REYNOLDS BOULEVARD) TO SR	CONSTRUCTION	FY 2020 -	\$1,300,000	(T)
FORSYTH	2264 (AKRON DRIVE) AT INTERSECTION OF SR 1763		FY 2020 -	\$2,700,000	(L)
PROJ.CATEGORY	(INDIANA AVENUE) IN WINSTON-SALEM. CONSTRUCT			\$4,000,000	
DIVISION	ACCESS ROAD.				
	<u>ECONOMIC DEVELOPMENT PROJECT.</u>				

STATEWIDE

* EB-6033	VARIOUS, SAFE ROUTES TO SCHOOL EDUCATION.	ENGINEERING	FY 2019 -	\$1,500,000	(TAANY)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF BICYCLE AND</u>		FY 2019 -	\$375,000	(O)
PROJ.CATEGORY	<u>PEDESTRIAN DIVISION.</u>			\$1,875,000	
DIVISION					

STIP MODIFICATIONS

DIVISION 1

* I-6029	US 17 (FUTURE I-87), PERQUIMANS COUNTY LINE TO	GARVEE CONSTR	FY 2020 -	\$772,000	(NHPIM)
PASQUOTANK	NORTH END OF US 17 (ELIZABETH CITY) BYPASS.		FY 2021 -	\$772,000	(NHPIM)
PROJ.CATEGORY	PAVEMENT REHABILITATION.		FY 2022 -	\$772,000	(NHPIM)
STATEWIDE	<u>PROJECT WILL UTILIZE GARVEE BOND FUNDING</u>		FY 2023 -	\$772,000	(NHPIM)
			FY 2024 -	\$772,000	(NHPIM)
			FY 2025 -	\$772,000	(NHPIM)
			FY 2026 -	\$772,000	(NHPIM)
			FY 2027 -	\$772,000	(NHPIM)
			FY 2028 -	\$772,000	(NHPIM)
			FY 2029 -	\$772,000	(NHPIM)
			POST YR-	\$3,860,000	(NHPIM)
		CONSTRUCTION	FY 2020 -	\$3,000,000	(S(M))
			FY 2021 -	\$3,000,000	(S(M))
				\$17,580,000	
R-5740	SR 1329 (WOODVILLE ROAD), SR 1331 (RED BANK	BUILD NC CONST	FY 2020 -	\$429,000	(T)
PERQUIMANS	ROAD) TO SR 1300 (NEW HOPE ROAD). UPGRADE		FY 2021 -	\$429,000	(T)
PROJ.CATEGORY	ROADWAY.		FY 2022 -	\$429,000	(T)
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>		FY 2023 -	\$429,000	(T)
	<u>DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20</u>		FY 2024 -	\$429,000	(T)
			FY 2025 -	\$429,000	(T)
			FY 2026 -	\$429,000	(T)
			FY 2027 -	\$429,000	(T)
			FY 2028 -	\$429,000	(T)
			FY 2029 -	\$429,000	(T)
			POST YR-	\$2,145,000	(T)
		CONSTRUCTION	FY 2020 -	\$800,000	(T)
				\$7,235,000	

* INDICATES FEDERAL AMENDMENT

Thursday, June 6, 2019

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 2

* B-5614

BEAUFORT

PROJ.CATEGORY

DIVISION

SR 1112 (MOUTH OF THE CREEK ROAD), REPLACE
BRIDGE 060009 OVER BLOUNTS CREEK.

ACCELERATE RIGHT-OF-WAY FROM FY 24 TO FY 20
AND CONSTRUCTION FROM FY 25 TO FY 21

RIGHT-OF-WAY
CONSTRUCTION

FY 2020 -	\$319,000	(BGOFF)
FY 2021 -	\$3,191,000	(BGOFF)
FY 2022 -	<u>\$3,191,000</u>	(BGOFF)
	\$6,701,000	

R-5777A

CRAVEN

PROJ.CATEGORY

STATEWIDE

US 70, TABERNA WAY. CONVERT AT-GRADE
INTERSECTION TO INTERCHANGE.

**TO STRATEGICALLY BALANCE LETTINGS DELAY
RIGHT-OF-WAY AND CONSTRUCTION FROM FY 19 TO
FY 20. COMBINE LETTING WITH R-5777B AND U-5713**

RIGHT-OF-WAY

UTILITIES
CONSTRUCTION

FY 2020 -	\$8,400,000	(T)
FY 2021 -	\$8,400,000	(T)
FY 2020 -	\$300,000	(T)
FY 2020 -	\$1,450,000	(T)
FY 2021 -	\$9,183,000	(T)
FY 2022 -	\$9,183,000	(T)
FY 2023 -	<u>\$9,184,000</u>	(T)
	\$46,100,000	

R-5777B

CRAVEN

PROJ.CATEGORY

REGIONAL

US 70, WEST THURMAN ROAD/EAST THURMAN ROAD.
CONVERT AT-GRADE INTERSECTION TO
INTERCHANGE.

**TO STRATEGICALLY BALANCE LETTINGS DELAY
RIGHT-OF-WAY AND CONSTRUCTION FROM FY 19 TO
FY 20 TO COMBINE LETTING WITH R-5777A AND U-5713**

BUILD NC ROW

RIGHT-OF-WAY

UTILITIES
CONSTRUCTION

FY 2020 -	\$1,716,000	(T)
FY 2021 -	\$1,716,000	(T)
FY 2022 -	\$1,716,000	(T)
FY 2023 -	\$1,716,000	(T)
FY 2024 -	\$1,716,000	(T)
FY 2025 -	\$1,716,000	(T)
FY 2026 -	\$1,716,000	(T)
FY 2027 -	\$1,716,000	(T)
FY 2028 -	\$1,716,000	(T)
FY 2029 -	\$1,716,000	(T)
POST YR-	\$8,580,000	(T)
FY 2020 -	\$1,700,000	(T)
FY 2021 -	\$1,700,000	(T)
FY 2020 -	\$300,000	(T)
FY 2020 -	\$1,425,000	(T)
FY 2021 -	\$9,025,000	(T)
FY 2022 -	\$9,025,000	(T)
FY 2023 -	<u>\$9,025,000</u>	(T)
	\$57,940,000	

U-5713

CRAVEN

PROJ.CATEGORY

STATEWIDE

US 70, SR 1124 (GRANTHAM ROAD) TO NEUSE RIVER BRIDGE. UPGRADE ROADWAY TO FREEWAY.

**TO STRATEGICALLY BALANCE LETTINGS DELAY
RIGHT-OF-WAY AND CONSTRUCTION FROM FY 19 TO
FY 20. LETTING COMBINED WITH R-5777A AND R-
5777B**

RIGHT-OF-WAY

UTILITIES
CONSTRUCTION

FY 2020 -	\$1,250,000	(T)
FY 2021 -	\$23,750,000	(T)
FY 2020 -	\$1,000,000	(T)
FY 2020 -	\$4,500,000	(T)
FY 2021 -	\$21,375,000	(T)
FY 2022 -	\$21,375,000	(T)
FY 2023 -	\$21,375,000	(T)
FY 2024 -	<u>\$21,375,000</u>	(T)
	\$116,000,000	

* INDICATES FEDERAL AMENDMENT

Thursday, June 6, 2019

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 4

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

DIVISION 5

B-5130	SR 1321 (AVENT FERRY ROAD), REPLACE BRIDGE	GARVEE CONSTR	FY 2021 -	\$214,000	(BGANY)
WAKE	910318 OVER LAKE JOHNSON IN RALEIGH.		FY 2022 -	\$214,000	(BGANY)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL COORDINATION TIME WITH</u>		FY 2023 -	\$214,000	(BGANY)
DIVISION	<u>PARK AND SCHEDULE COORDINATION WITH U-2719,</u>		FY 2024 -	\$214,000	(BGANY)
	<u>DELAY CONSTRUCTION FROM FY 19 TO FY 21.</u>		FY 2025 -	\$214,000	(BGANY)
			FY 2026 -	\$214,000	(BGANY)
			FY 2027 -	\$214,000	(BGANY)
			FY 2028 -	\$214,000	(BGANY)
			FY 2029 -	\$214,000	(BGANY)
			POST YR-	\$1,292,000	(BGANY)
		CONSTRUCTION	FY 2021 -	\$317,000	(BGANY)
			FY 2021 -	<u>\$833,000</u>	(S(M))
				\$4,368,000	
B-5318	SR 2044 (LIGON MILL ROAD), REPLACE BRIDGE 910126	RIGHT-OF-WAY	FY 2020 -	\$180,000	(BGOFF)
WAKE	OVER SMITHS CREEK IN WAKE FOREST.	UTILITIES	FY 2020 -	\$1,124,000	(BGOFF)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY</u>	CONSTRUCTION	FY 2021 -	\$1,650,000	(BGOFF)
DIVISION	<u>RIGHT-OF-WAY FROM FY 19 TO FY 20 AND</u>		FY 2022 -	<u>\$1,650,000</u>	(BGOFF)
	<u>CONSTRUCTION FROM FY 20 TO FY 21.</u>			\$4,604,000	
B-5326	SR 2555 (RAYNOR ROAD), REPLACE BRIDGE 910247	CONSTRUCTION	FY 2020 -	\$2,450,000	(BGOFF)
WAKE	OVER WHITE OAK CREEK IN GARNER.		FY 2021 -	<u>\$2,450,000</u>	(BGOFF)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY,</u>			\$4,900,000	
DIVISION	<u>DELAY CONSTRUCTION FROM FY 19 TO FY 20.</u>				
* EB-5704	RAYNOR STREET, NORTH MIAMI BOULEVARD TO	RIGHT-OF-WAY	FY 2019 -	\$135,000	(TAANY)
DURHAM	NORTH HARDEE STREET IN DURHAM. CONSTRUCT		FY 2019 -	\$34,000	(L)
PROJ.CATEGORY	SIDEWALK ON ONE SIDE OF STREET.	CONSTRUCTION	FY 2020 -	\$408,000	(TAANY)
DIVISION	<u>ADD RIGHT-OF-WAY IN FY 19 NOT PREVIOUSLY</u>		FY 2020 -	<u>\$102,000</u>	(L)
	<u>PROGRAMMED AT REQUEST OF MPO.</u>			\$679,000	

* INDICATES FEDERAL AMENDMENT

Thursday, June 6, 2019

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 5

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

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 5

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

DIVISION 6

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

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

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

* INDICATES FEDERAL AMENDMENT

Thursday, June 6, 2019

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 6

U-2519BB	I-295, SOUTH OF SR 1104 (STRICKLAND BRIDGE ROAD)	CONSTRUCTION	FY 2020 -	\$10,567,000	(NHP)
CUMBERLAND	TO SOUTH OF US 401.		FY 2021 -	\$10,567,000	(NHP)
PROJ.CATEGORY	<u>TO STRATEGICALLY BALANCE LETTINGS DELAY</u>		FY 2022 -	\$10,567,000	(NHP)
REGIONAL	<u>CONSTRUCTION FROM FY 19 TO FY 20. COMBINE</u>			\$31,701,000	
	<u>LETTING WITH U-2519BA</u>				

U-4403C	US 401, US 401 BYPASS TO NORTH OF SLOCUMB	RIGHT-OF-WAY	FY 2025 -	\$12,000,000	(T)
CUMBERLAND	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>	UTILITIES	FY 2025 -	\$3,000,000	(T)
PROJ.CATEGORY	<u>DESIGN DELAY RIGHT-OF-WAY FROM FY 24 TO FY 25</u>	CONSTRUCTION	FY 2028 -	\$8,200,000	(T)
DIVISION	<u>AND CONSTRUCTION FROM FY 26 TO FY 28</u>		FY 2029 -	\$8,200,000	(T)
			POST YR-	\$16,400,000	(T)
				\$47,800,000	

DIVISION 7

C-5700	OAKDALE ROAD, EXISTING SIDEWALK EAST OF EAST	RIGHT-OF-WAY	FY 2019 -	\$4,000	(CMAQ)
GUILFORD	MAIN STREET TO CHIMNEY COURT IN JAMESTOWN.		FY 2019 -	\$1,000	(L)
PROJ.CATEGORY	EXTEND SIDEWALK.	CONSTRUCTION	FY 2019 -	\$136,000	(CMAQ)
EXEMPT	<u>TO ALLOW ADDITIONAL TIME FOR THE TOWN TO</u>		FY 2019 -	\$34,000	(L)
	<u>BEGIN THE RIGHT-OF-WAY PHASE, DELAY RIGHT-OF-</u>			\$175,000	
	<u>WAY FROM FY 18 TO FY 19.</u>				

EB-5878	WEST MEADOWVIEW ROAD, SR 1007 (RANDLEMAN	RIGHT-OF-WAY	FY 2019 -	\$41,000	(TAANY)
GUILFORD	ROAD) TO SOUTH ELM-EUGENE STREET IN		FY 2019 -	\$10,000	(L)
PROJ.CATEGORY	GREENSBORO. CONSTRUCT SIDEWALKS.	CONSTRUCTION	FY 2020 -	\$207,000	(TAANY)
DIVISION	<u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 19</u>		FY 2020 -	\$52,000	(L)
	<u>AND CONSTRUCTION FROM FY 21 TO FY 20 AT</u>			\$310,000	
	<u>REQUEST OF MPO.</u>				

U-4758	SR 1818 (JOHNSON STREET) / SR 1850 (SANDY RIDGE	RIGHT-OF-WAY	FY 2020 -	\$6,776,000	(HP)
GUILFORD	ROAD), SR 1820 (SKEET CLUB ROAD) TO SOUTH OF I-		FY 2020 -	\$139,000	(BG5200)
PROJ.CATEGORY	40 IN HIGH POINT. WIDEN TO FOUR LANES.		FY 2020 -	\$1,694,000	(S(M))
DIVISION	<u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE</u>	UTILITIES	FY 2020 -	\$1,147,000	(BG5200)
	<u>DESIGN PHASE, DELAY RIGHT-OF-WAY FROM FY 19</u>	CONSTRUCTION	FY 2021 -	\$8,975,000	(BG5200)
	<u>TO FY 20, AT THE REQUEST OF PROJECT</u>		FY 2022 -	\$8,975,000	(BG5200)
	<u>MANAGEMENT UNIT.</u>		FY 2023 -	\$8,975,000	(BG5200)
			FY 2024 -	\$8,975,000	(BG5200)
				\$45,656,000	

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 7

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

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

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

DIVISION 8

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

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 8

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

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

DIVISION 9

U-5539A	US 311; SR 4394 (MARTIN LUTHER KING, JR. BOULEVARD), US 158 / US 421 / NC 150 / BUSINESS 40 TO US 52 / NC 8 IN WINSTON-SALEM. STREETSCAPE IMPROVEMENTS.	RIGHT-OF-WAY	FY 2020 -	\$500,000	(BGANY)
FORSYTH			FY 2020 -	\$100,000	(L)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR THE CITY TO COMPLETE PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20 AND CONSTRUCTION FROM FY 20 TO FY 21.</u>	CONSTRUCTION	FY 2021 -	\$1,750,000	(BGDA)
DIVISION			FY 2021 -	\$438,000	(L)
				\$2,788,000	
U-5824	NC 66 (OLD HOLLOW ROAD), HARLEY DRIVE TO US 158 IN WALKERTOWN. WIDEN TO MULTILANES.	RIGHT-OF-WAY	FY 2019 -	\$348,000	(T)
FORSYTH			FY 2020 -	\$3,304,000	(T)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 19 TO REFLECT CURRENT PROJECT DELIVERY SCHEDULE, AT REQUEST OF THE DIVISION OFFICE.</u>		FY 2021 -	\$3,304,000	(T)
DIVISION		UTILITIES	FY 2019 -	\$42,000	(T)
			FY 2020 -	\$397,000	(T)
			FY 2021 -	\$397,000	(T)
		CONSTRUCTION	FY 2022 -	\$7,650,000	(T)
			FY 2023 -	\$7,650,000	(T)
				\$23,092,000	

* INDICATES FEDERAL AMENDMENT

Thursday, June 6, 2019

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 10

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

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

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

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

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

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 10

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

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 11

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

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

DIVISION 12

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

DIVISION 13

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

DIVISION 14

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

* INDICATES FEDERAL AMENDMENT

Thursday, June 6, 2019

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 14

EB-5923 JACKSON PROJ.CATEGORY DIVISION	SR 1432 (SKYLAND DRIVE), SR 1429 (CHIPPER CURVE ROAD) TO US 23 BUSINESS. CONSTRUCT SIDEWALK. <u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u> <u>CONSTRUCTION FROM FY 19 TO FY 20</u>	CONSTRUCTION	FY 2020 - \$271,000 (TALT5) FY 2020 - \$68,000 (L) \$339,000
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* R-5865 TRANSYLVANIA PROJ.CATEGORY EXEMPT	US 276, US 64 TO AVERY CREEK TRAIL HEAD. WIDEN TO 3-LANES WITH BICYCLE LANES. <u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u> <u>CONSTRUCTION FROM FY 20 TO FY 22</u>	ENGINEERING CONSTRUCTION	FY 2019 - \$200,000 (FLAP) FY 2019 - \$50,000 (S(M)) FY 2022 - \$2,520,000 (FLAP) FY 2022 - \$630,000 (S(M)) \$3,400,000
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STIP DELETIONS

DIVISION 5

* U-5927B WAKE PROJ.CATEGORY DIVISION	SR 2768 / SR 5056 NORTH JUDD PKWY NE, NORTH OF INTERSECTION OF SR 5056 (N. JUDD PARKWAY NE) AND SR 1402 (E. BROAD STREET) TO PRODUCTS ROAD <u>DELETE PROJECT BREAK AT THE REQUEST OF MPO.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2020 - \$450,000 (L) FY 2020 - \$900,000 (L) \$1,350,000
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DIVISION 10

* EB-5776 MECKLENBURG PROJ.CATEGORY DIVISION	CORNELIUS, NC 115 SIDEWALK AND BIKE LANE MODERNIZATION (SMITH ROAD - POTTS STREET). <u>DELETE AT THE REQUEST OF DIVISION.</u>	CONSTRUCTION	FY 2019 - \$246,000 (BGDA) FY 2019 - \$61,000 (L) \$307,000
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DIVISION 12

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

Thursday, June 6, 2019

HIGHWAY PROGRAM STIP DELETIONS

DIVISION 12

* U-6137 LINCOLN PROJ.CATEGORY REGIONAL	NC 27 (EAST MAIN STREET), US 321 BUS TO NC 150 (EAST). CONSTRUCT ACCESS MANAGEMENT AND INTERSECTION IMPROVEMENTS. INCLUDES CONSTRUCTION OF NORTHBOUND TURN LANE FROM SR 1294 (LITHINA INN ROAD) TO NC 27 (E MAIN STREET) AND WIDENING OF BRIDGE #540042 OVER SEABOARD RR ON NC 150.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2025 - \$2,000,000 (T) FY 2025 - \$500,000 (T) FY 2027 - \$6,000,000 (T) FY 2028 - \$6,000,000 (T) \$14,500,000
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**DELETE, WORK TO BE ACCOMPLISHED UNDER
PROJECT U-6140**

ITEM N SUMMARY

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

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

Division 1

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

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

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

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

Roanoke Chowan Community
College
Chowan County
M-0460AL
50084.1.24

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

Albemarle Commission
Perquimans County
EB-6033G
48778.4.8

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

Division 2

Town of Beaufort
Carteret County
U-6058
47482.3.1

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 2 cont.

City of Kinston
Lenoir County
48779

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

Division 3

New Hanover County
EB-6027
48748.1.1

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

New Hanover County
B-4590
38420.3.1

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

City of Wilmington
New Hanover County
B-4590
38420.3.1

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

City of Wilmington
New Hanover County
U-5729
54020.1.1

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 3 cont.

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

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

Town of Surf City
Pender County
48710

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

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

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 4

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

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

Town of Clayton
Johnston County
R-5784DI
44914.3.17

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

Division 5

City of Raleigh
Wake County
U-5118OA
42379.3.36
42379.3.39

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

City of Raleigh
Wake County
U-6095
47915.1.1
47915.2.1
47915.3.1

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

Vance Granville Community
College
Vance County
M-0460EB
50084.1.23

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 5 cont.

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

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

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

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

Town of Morrisville
Wake County
U-5827
44400.1.1
44400.2.1
44400.3.1

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

City of Raleigh
Wake County
P-5715
46927.3.1

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

Wake County Human Services
Wake County
EB-6033A
48778.4.2

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 5 cont.

City of Durham
Durham County
EB-6033E
48778.4.6

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

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

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

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

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

Division 6

City of Fayetteville
Cumberland County
EB-6030
48751.1.1
48751.2.1
48751.3.1

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

City of Fayetteville
Cumberland County
EB-6031
48752.3.1

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 6 cont.

City of Fayetteville
Cumberland County
EB-6032
48753.2.1
45753.3.1

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

City of Fayetteville
Cumberland County
U-5528FA
50078.2.3
50078.3.3

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

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

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

Division 7

Town of Jamestown
Guilford County
C-5700
46416.1.1
46416.2.1
46416.3.1

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

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

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 7 cont.

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

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

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

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

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

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

City of Greensboro
Guilford County
EB-6033F
48778.4.7

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

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

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 8

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

Town of Lewisville Forsyth County U-6154 48436.1.1 48436.2.1 48436.3.1	This Project consists of converting the existing signalized intersection to a single lane roundabout at SR 1308 (Lewisville-Vienna Road) and SR 1348 (Robinhood Road) in Lewisville. The Department shall reimburse 80% of eligible expenses not to exceed \$1,016,000 in federal funds. The Municipality shall provide the 20% non-federal match (\$254,000), and all costs that exceed the total estimated cost of \$1,270,000.
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City of Winston-Salem Forsyth County C-5620H 43740.3.7	This Project consists construction of a left turn lane and bike and pedestrian facilities on Meadowlark Drive from Country Club Road to Robinhood Road. The Department shall reimburse 80% of eligible expenses not to exceed \$1,469,082 in federal funds. The Municipality shall provide the 20% non-federal match (\$367,271), and all costs that exceed the total estimated cost of \$1,836,353.
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City of Winston-Salem Forsyth County U-6155 48437.1.1 48437.3.1	This Project consists of pedestrian intersection improvements. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of eligible expenses not to exceed \$170,000 in federal funds The Municipality shall provide the 20% non-federal match of \$75,000 and all costs that exceed the total available funding of \$206,250.
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Winston-Salem University Forsyth County M-0460IA 50084.1.25	This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$36,106.
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NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 9, cont.

Town of Walkertown
Forsyth County
EB-5956
48432.1.1
48432.2.1
48432.3.1

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

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

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

Division 10

Town of Davidson
Mecklenburg County
48735

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

Mecklenburg County
EB-5782
44524.1.1
44524.3.1

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 10, cont.

DPR Construction (Lessee)
Mecklenburg County
32213

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

John C Smith University
Mecklenburg County
M-0460JA
50084.1.26

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

Cabarrus Health Alliance
Cabarrus County
EB-6033C
48778.4.4

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

Division 11

Town of Beech Mountain
Avery County
44480

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

Town of Sparta
Alleghany County
2020CPT.11.12.10031

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 12

Town of Mooresville
Iredell County
R-2307B
37944.3.4

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

City of Conover
Catawba County
C-5624
46405.1.1
46405.3.1

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

Division 14

Town of Franklin
Macon County
R-5734B
50192.3.2

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

Town of Franklin
Macon County
R-5794C
44910.3.5

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 14, cont.

Jackson County Health
Department
Jackson County
EB-6033B
48778.4.3

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

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

Division 2

Town of Grimesland
Pitt County
SS-4902DD
48452.3.1

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

Town of Ayden
Pitt County
R-2250
34411.3.7

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

Division 4

City of Rocky Mount
Nash County
4RE.106415

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

Division 5

Town of Cary
Wake County
36249.4017

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

Division 6

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

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 7

City of High Point
Guilford County
SS-4907B
48252.3.1

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

Division 9

Town of Danbury
Stokes County
48462

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

Town of Kernersville
Forsyth County
36249.4016

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

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

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

Stokes County
36249.3953

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

NCDOT Board of Transportation Agenda Item O June 6, 2019

Division 10

Village of Marvin
Union County
10RE.209015

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

NCDOT June 2019 Board of Transportation Agenda

Approval of Municipal Street System Changes

Addition to the State Highway System

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

Total Miles = 5.05

Approval of Municipal Street System Changes

Deletions from the State Highway System

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

Total Miles = 1.34

NCDOT June 2019 Board of Transportation Agenda

<u>No.</u>		<u>Enacted Page No.</u>
1	Preliminary Right of Way Plans	R-1 & R-2
2	Final Right of Way Plans	R-3 & R-4
3	Approval of Conveyance of Highway Right of Way Residues	R-5
4	Approval of Conveyance of Surplus Right of Way	R-6
5	Approval of Revision of Control of Access	R-7
6	Approval of Permanent Natural Gas Easement	R-8
7	Approval Advance Acquisition of Highway Right of Way	R-9 – R-11

Preliminary Right of Way Plans

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

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

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

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

(Division 2)

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

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

(Division 3)

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

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

(Division 4)

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

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

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

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

Preliminary Right of Way Plans (continued)

(Division 5)

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

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

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

(Division 9)

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

(Division 10)

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

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

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

(Division 11)

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

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

(Division 13)

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

(Division 14)

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

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

Final Right of Way Plans

Right of way acquisition in accordance with the preliminary right of way plans on file in the Right of Way Unit has been determined to be necessary for public use and was authorized by the Board. Certain changes in the right of way have necessitated alteration of the preliminary right of way plans. Final plans have been prepared and provide for the construction, design, drainage and control of access for these projects. The Board finds that such rights of way and control of access as shown on the final plans are for a public use and are necessary for construction. The sections of roads which were shown on the preliminary plans as sections of roads to be abandoned are hereby abandoned and removed from the State Highway System for Maintenance upon the completion and acceptance of the project.

The rights of way for the location, design and construction of highways embraced in the following projects shall be as shown in detail on the final plans for said projects as follows:

(Division 1)**Project No. 41162.2.1; Dare County; I.D. No. R-5014:**

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

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

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

(Division 3)**Project No. 40255.2.2; Onslow County; I.D. No. U-4906:**

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

(Division 5)**Project No. 38400.2.2; Franklin County; I.D. No. B-4516:**

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

(Division 6)**Project No. 39049.2.2; Cumberland County; I.D. No. U-4405A:**

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

Final Right of Way Plans (continued)

(Division 10)

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

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

(Division 12)

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

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

(Division 13)

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

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

(Division 14)

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

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

Approval of Conveyance of Highway Right of Way Residues

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

(Division 7)

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

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

(Division 11)

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

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

(Division 13)

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

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

CONVEYANCE ROW RESIDUE

3 PROJECT(S)

\$ 4,840.00

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 10)

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

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

(Division 11)

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

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

Approval of Revision in Control of Access

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

(Division 10)

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

Union County

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

Approval of Permanent Natural Gas Easement

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

(Division 9)**Project 34839.2.7 U-2579 DEF 704 & U-2579 DEF 655, Winston Salem Northern Beltway
Forsyth County**

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

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

Advance Acquisition of Highway Right of Way

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

(Division 3)

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

(Division 5)

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

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

(Division 9)

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

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

Advance Acquisition of Highway Right of Way (continued)

(Division 9) (continued)

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

(Division 13)

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

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

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

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

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

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

Advance Acquisition of Highway Right of Way (continued)

(Division 13) (continued)

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

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

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

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

APPROVAL OF ADVANCE ACQUISITION OF HIGHWAY ROW 16 PROJECT(S) \$0.00

R-ITEM SUMMARY 48 PROJECT(S) TOTAL: \$ 4,840.00

**NORTH CAROLINA BOARD OF TRANSPORTATION
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS
FISCAL YEAR 2018 - 2019**

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

ITEM T-1

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

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

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

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

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

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

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

10
11 *History Note: Authority G.S. ~~136-89.56; 136-130; 136-140.15; 136-140.16; 136-140.17; 136-140.18; 136-~~*
12 *~~140.19; 143B-346; 143B-348; 143B-350(f);~~*

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

14 *Eff. August 1, 2004.*

Cash Flow Projection

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

Summary

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

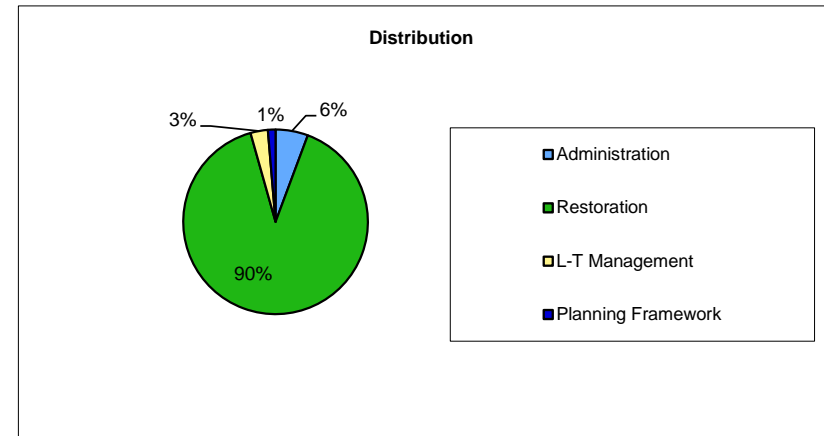
Total (by Quarter)	\$ 9,688,939	\$ 10,513,171	\$ 12,388,212	\$ 8,846,524	\$ 13,895,806	\$ 14,756,727	\$ 12,411,940	\$ 13,904,885	\$ 96,406,203
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Total (Annual) **\$ 41,436,846** **\$ 54,969,357** **\$ 96,406,203**

* See individual linetabs for details

Summary

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



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

Salary and Operating Expenses

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

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

Restoration Summary

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

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

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

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

²Includes Mitigation Bank Purchases

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

Design-Bid-Build Contracts

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

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

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

Design-Build Contracts

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

Full Delivery Contracts

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

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

Full Delivery Contracts (page 2)

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

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

Full Delivery Contracts (page 3)

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

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

Full Delivery Contracts (page 4)

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

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

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

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

Monitoring / Maintenance, Repair and Equipment Contracts

Monitoring

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

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

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

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

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

Maintenance, Repair and Equipment

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

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

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

\$	13,350	\$	20,110	\$	7,000	\$	2,500	\$	5,000	\$	2,500	\$	2,500	\$	2,500	\$	55,460

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

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

²New Monitoring is based on projects currently in design or construction.

³Based on current maintenance cost data

⁴Equipment costs based on maintenance required for existing gauges

⁵Monitoring physical and biological parameters pre- and post-construction.

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

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

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

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

⁷OcuMap is a cloud-based 360-degree geovideo mapping platform.

Summary of Long-Term Management Costs

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

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

NOTES:

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

Projects in Long-term Management and Projects entering

Project ID	Project Name	County
7	Adkins Branch	Lenoir
23	Barra Farms I	Cumberland
118	Dismal Swamp Full-Delivery	Tyrell
123	East Tarborro Canal (G)	Edgecombe
176	Hillcrest Bay	Hoke
197	Johnson Site (Hunting Creek)	Iredell
204	Ken-Cox (Millstone Creek)	Randolph
242	McDonalds Pond	Richmond
253	Mill Creek (formerly Uwharrie Heritage)	Randolph
256	Mocassin Creek (G)	Wake
258	Morgan Creek Floodplain	Orange
261	Naked Creek	Wilkes
283	Perry Property (UT to Pembroke)	Chowan
317	Rowan Branch	Sampson
434	UT to Crooked Creek/Speas Property (G)	Franklin
441	Nicholls Farm (Troublesome Creek)	Bertie
671	Greenbrier Creek	Alamance
733	Lewis Creek	Henderson
739	Big Harris Creek	Cleveland
749	Little Troublesome	Rockingham
854	Glade Creek	Alleghany
856	Little Pine Creek II	Alleghany
857	UT to Crab Creek	Alleghany
92015	Hyc0 Lake Bessemer	Caswell
92017	Chowan River Harrell	Chowan
92018	Shelton Creek Tucker-Daniel 2	Granville
92020	Fishing Creek Edwards 1	Nash
92021	Fishing Creek Green	Warren
92022	Fishing Creek IP/Alston	Warren
92023	Little Shocco Creek O'Neal	Franklin
92024	Little Shocco Creek Speed	Warren
92025	Little Shocco Creek Tomlinson	Franklin
92026	North Fork Upper Tar River Winslow	Granville

Projects in Long-term Management and Projects entering

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

Projects in Long-term Management and Projects entering

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

Projects in Long-term Management and Projects entering

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

Projects in Long-term Management and Projects entering

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

Projects in Long-term Management and Projects entering

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

Projects in Long-term Management and Projects entering

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

Projects in Long-term Management and Projects entering

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

Projects in Long-term Management and Projects entering

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

CFR Planning Framework

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

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

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

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

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

NOTES:

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

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



NORTH CAROLINA
Department of Transportation



DMS BIENNIAL BUDGET STATE FISCAL YEARS 2019/20 and 2020/21

Tim Baumgartner
Director, Div. of Mitigation Services, DEQ

June 2019

Division of Mitigation Services

Mission: to provide cost-effective mitigation alternatives that benefit North Carolina's water resources.

WHAT WE DO



Supports
transportation
project
development:

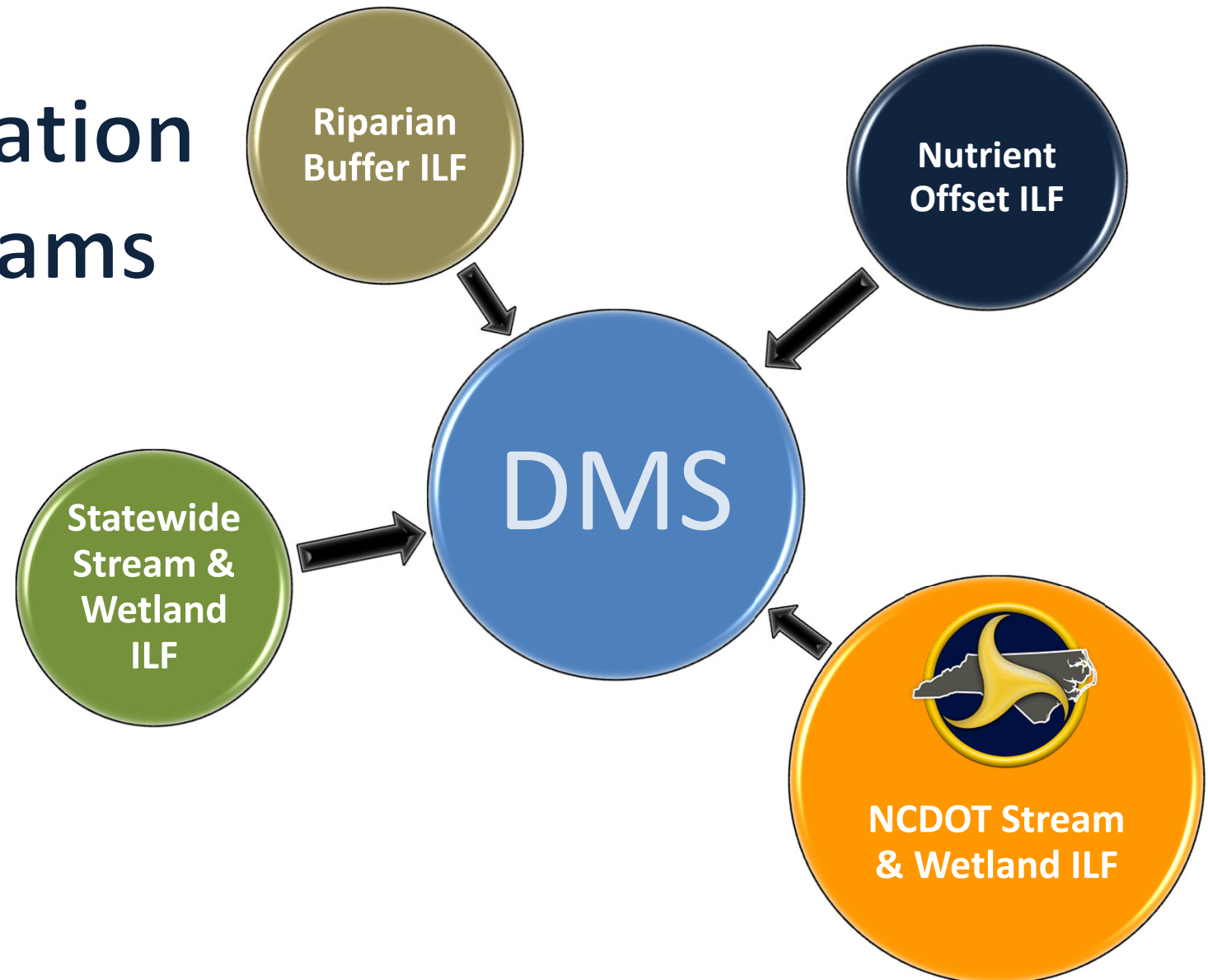
**COST
CONTROLS
REGULATORY
ACCEPTANCE**

Compensatory
Mitigation for
stream,
wetland, and
riparian buffer

Leverages
mitigation
investments to
the benefit of
the state's
natural
resources

PARTNERS
Landowners
Contractors
Investors
Engineers
Cities &
Counties

DMS Mitigation Programs



DMS Private Sector Customers:



DMS Public Sector Customers:



CHEROKEE



MAYO RIVER
STATE PARK

Inspiring Appreciation and Conservation of North Carolina's Aquatic Environments



Preparing ALL students for bright & prosperous futures by Deliberately & Intentionally
providing Rigorous & Relevant instruction in every classroom, every day

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

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

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

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

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

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



NORTH CAROLINA

Department of Transportation



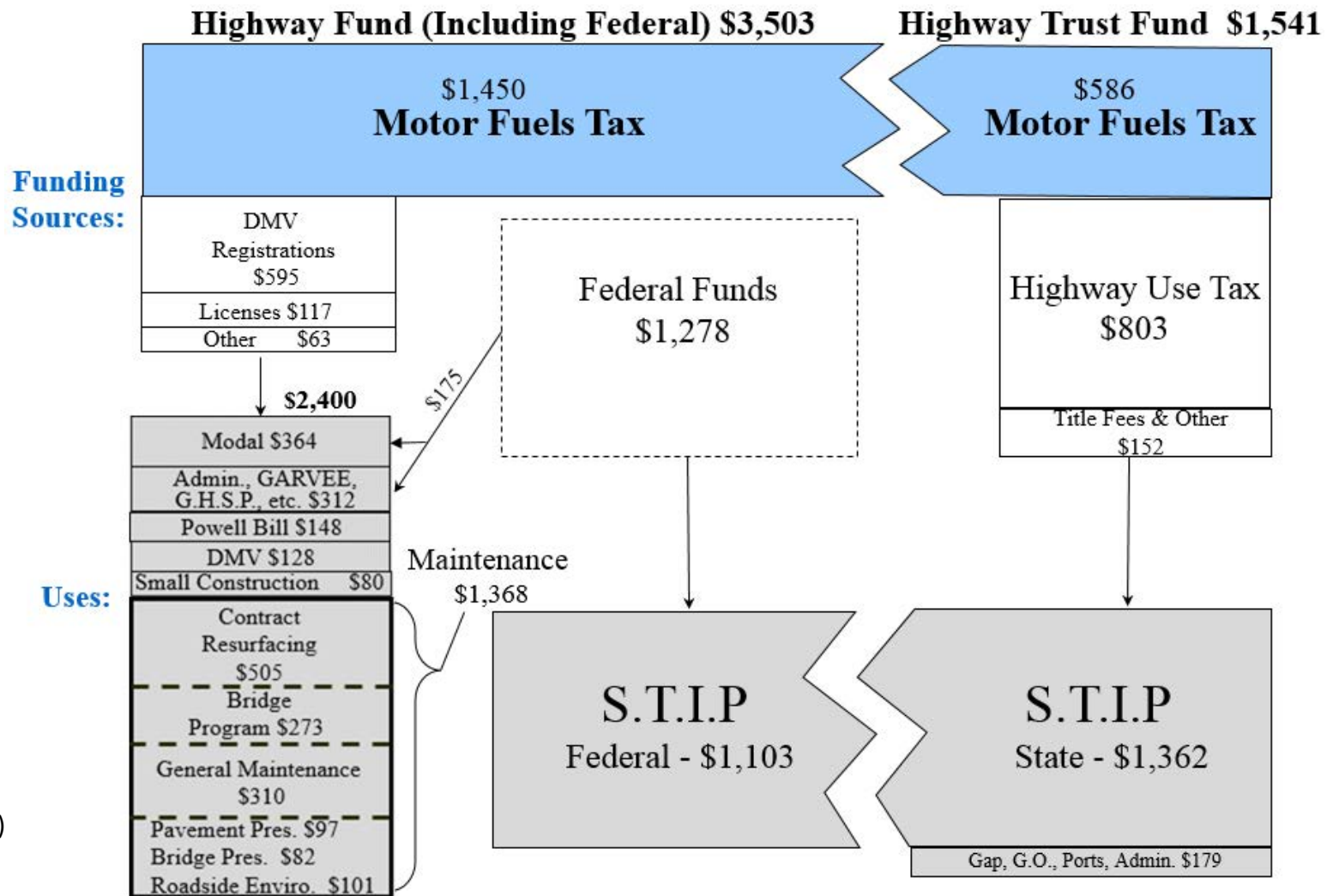
Financial Update

As of April 2019

Evan Rodewald, Chief Financial Officer

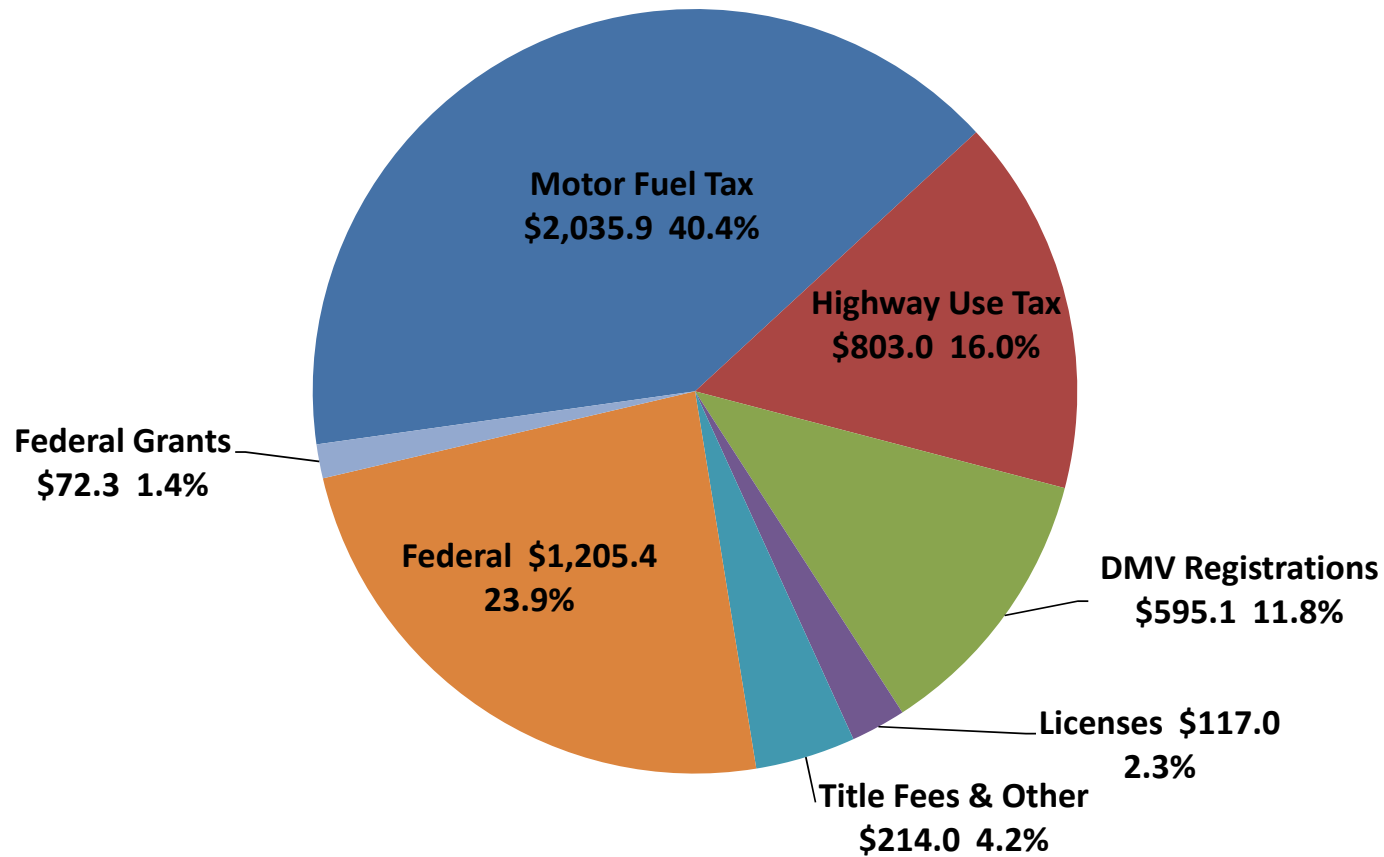
June 5, 2019

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



NCDOT Revenue Sources SFY2019 - \$5.0 Billion

(Excludes Receipt Supported Funding of \$0.1B)

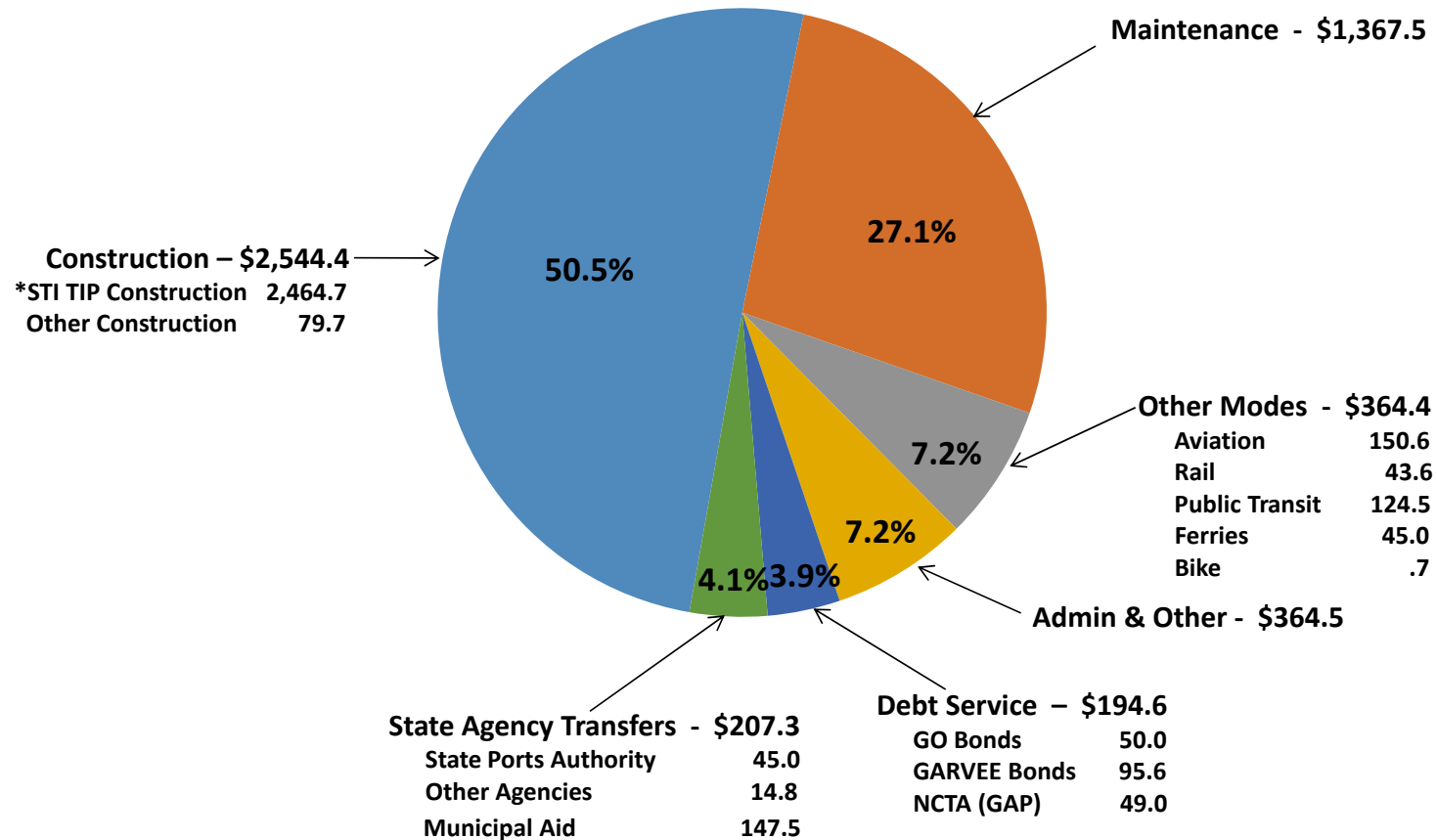


(\$ in millions)

Uses of 2018-19 NCDOT Appropriations

Total Funding = \$5.0 Billion

(Excludes Receipt Supported Funding of \$0.1B)

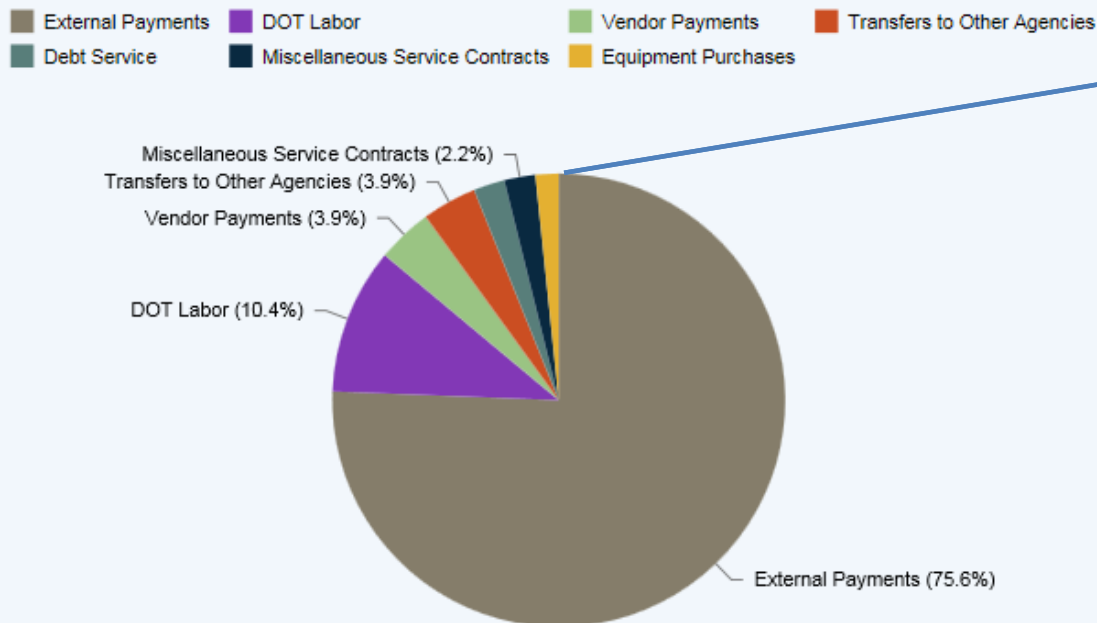


(\$ in millions)

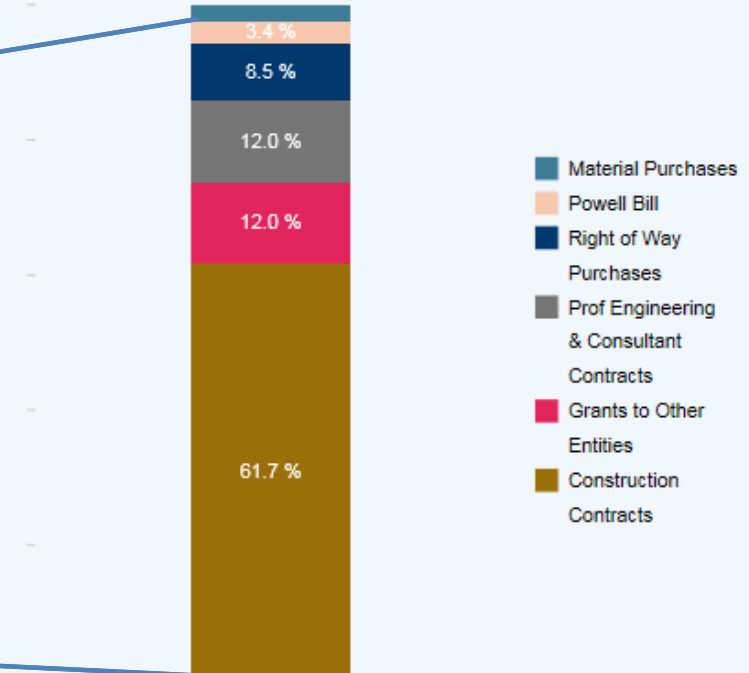
NCDOT Expenditures

SFY2019 as of April 30, 2019

NCDOT Expenditures (\$M)



NCDOT External Payments (%)



Revenue Summary April 2019

(\$ in Millions)

	April 2019	April 2018	Year Over Year				2018-2019 SFY Budget	
			2018-2019 YTD Actual	2017-2018 YTD Actual	\$ Δ	% Δ	Annual Budget	%
State & Federal Collections*:								
State Highway Fund Revenues	\$ 199.2	\$ 167.0	\$ 1,875.4	\$ 1,775.8	\$ 99.6	6%	2,224.5	84%
State Highway Trust Fund Revenues	132.4	131.8	1,307.5	1,256.5	51.0	4%	1,540.5	85%
Total State Funds	331.6	298.7	3,182.9	3,032.3	150.6	5%	\$ 3,765.0	85%
Federal Funds/Participation	156.0	82.9	1,301.8	1,037.9	264.0	25%	1,277.7	102%
GARVEE Bond Proceeds	-	-	-	31.2	(31.2)		N/A	N/A
Total	\$ 487.5	\$ 381.7	\$ 4,484.8	\$ 4,101.4	\$ 383.4	9%	\$ 5,042.7	89%
	April 2019	April 2018	Year Over Year				SFY Budget	
			2018-2019 YTD Actual	2017-2018 YTD Actual	\$ Δ	% Δ	Annual Budget	%
Highway Fund & Trust Fund Details								
Motor Fuel Taxes	\$ 171.6	\$ 144.0	\$ 1,716.8	\$ 1,609.3	\$ 107.5	7%	\$ 2,035.9	84%
Highway Use Tax	73.7	68.8	688.2	651.8	36.5	6%	803.0	86%
DMV/Other Revenue	85.4	83.5	762.4	747.9	14.5	2%	913.1	83%
Investment Income	0.9	2.4	15.4	23.4	(8.0)		13.0	119%
Total Revenue	<u>\$ 331.6</u>	<u>\$ 298.7</u>	<u>\$ 3,182.9</u>	<u>\$ 3,032.3</u>	<u>\$ 150.6</u>	<u>5%</u>	<u>\$ 3,765.0</u>	<u>85%</u>

*Excludes NCTA Revenues

Expenditure Summary April 2019

(\$ in millions)

			Year Over Year				SFY Annual Budget	
	April-19	April-18	2018-2019 Actual	2017-2018 Actual	\$ Δ	% Δ	2018-2019 Budget	%
State & Federal Funded Programs:								
Construction	\$ 261.3	\$ 270.9	\$ 2,764.4	\$ 2,371.2	\$ 393.2	17%	\$ 2,544.4	109%
Maintenance	172.8	154.9	1,715.1	1,287.0	428.1	33%	1,367.5	125%
Other Modes	20.6	70.1	388.7	284.1	104.6	37%	364.4	107%
Administration/Other Programs	29.2	21.0	179.0	167.7	11.2	7%	364.5	49%
Debt Service (Including NCTA GAP funds)	12.3	-	187.3	164.6	22.8	14%	194.6	96%
Municipal Aid	-	-	147.3	147.7	(0.3)	0%	147.5	100%
Transfers to Other Agencies	12.1	13.6	86.8	56.3	30.5	54%	59.8	145%
Total Expenditures*	\$ 508.2	\$ 530.5	\$ 5,468.6	\$ 4,478.5	\$ 990.1	22%	5,042.7	108%

**Excludes NCTA Expenditures*

Financial Update

SFYTD 2019 as compared SFYTD 2018

(\$ in millions)

	<u>April '19</u>	<u>April '18</u>	<u>YTD 2019</u>	<u>YTD 2018</u>	<u>\$ Change</u>
<u>Highway Fund & Highway Trust Fund</u>					
Collections	\$ 488	\$ 382	\$ 4,485	\$ 4,101	\$ 383
Expenditures	<u>508</u>	<u>531</u>	<u>5,469</u>	<u>4,479</u>	<u>990</u>
Net Change	\$ (21)	\$ (149)	\$ (984)	\$ (377)	\$ (607)
Cash Balances:			<u>April '19</u>	<u>April '18</u>	
Highway Trust Fund			\$ 285	\$ 1,631	
Highway Fund*			<u>85</u>	<u>36</u>	
Totals			<u>\$ 370</u>	<u>\$ 1,667</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
June 5, 2019



PRODUCT HIGHLIGHT – Recycled Foamed Glass Aggregate



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

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

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

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



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

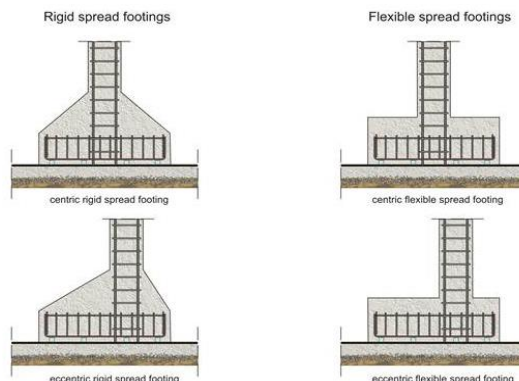
PRODUCT INNOVATION – Spread Footing Foundations for MSE Walls



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

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

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



Examples of spread footing foundations – image from Google image search

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

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

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

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

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



Logo/ Tourist Oriented Directional Signs Program Administrative Code

Background

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

Information

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

Action

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

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

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

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

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

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

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

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

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



NORTH CAROLINA
Department of Transportation



NC Toll Project Development Handbook

NC Board of Transportation

Gene Conti

June 5, 2019

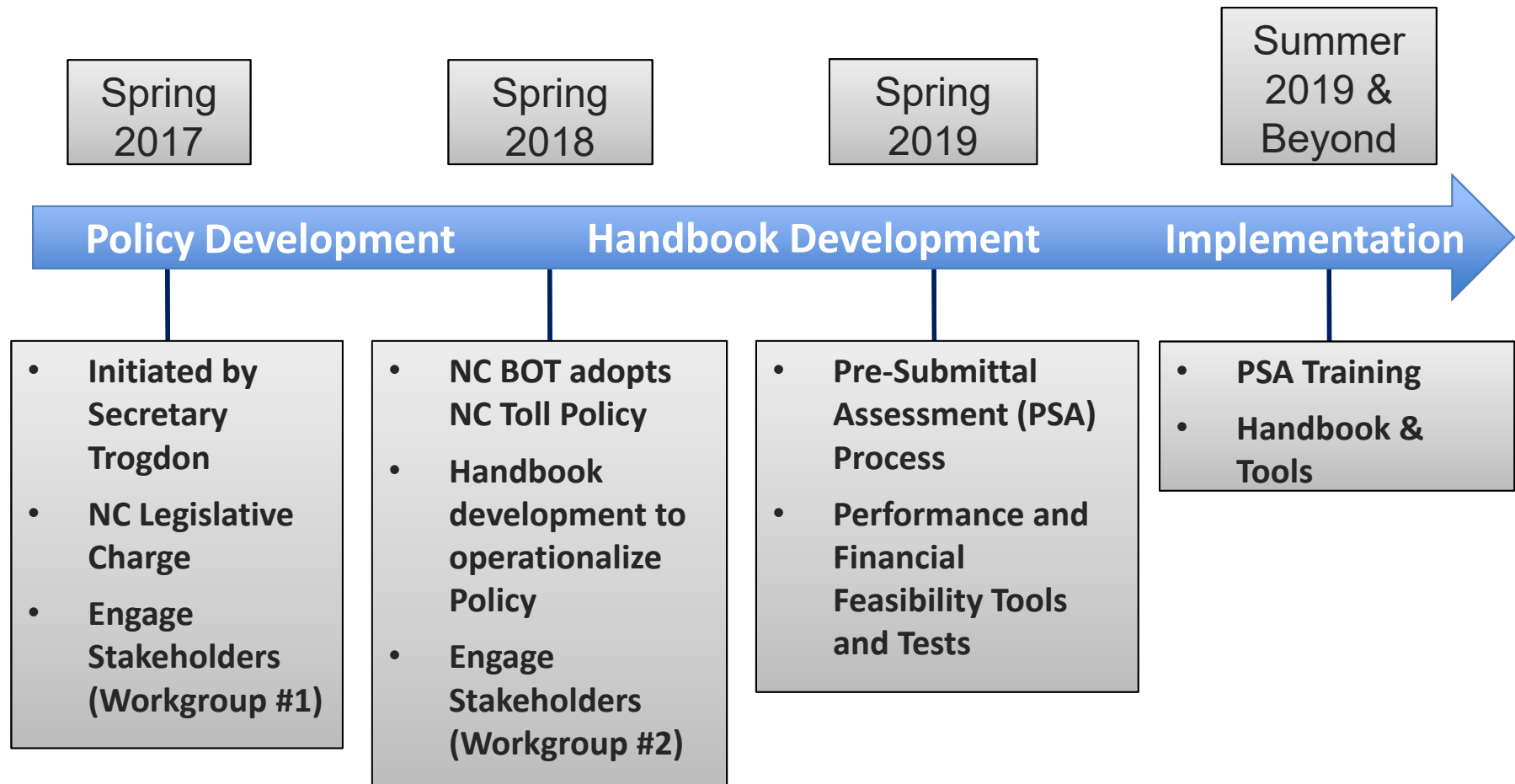
Outline

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

Board Action (June 27)

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

Policy Development & Implementation Timeline



Policy Development

NC Toll Project Development Policy or NC Toll Policy

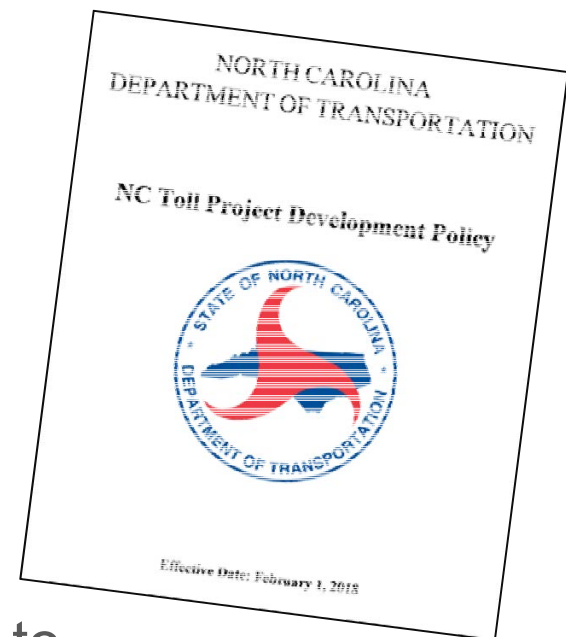
Adopted by the Board of Transportation (2018)

Framework:

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

Framework does not:

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



Eligible Project Types

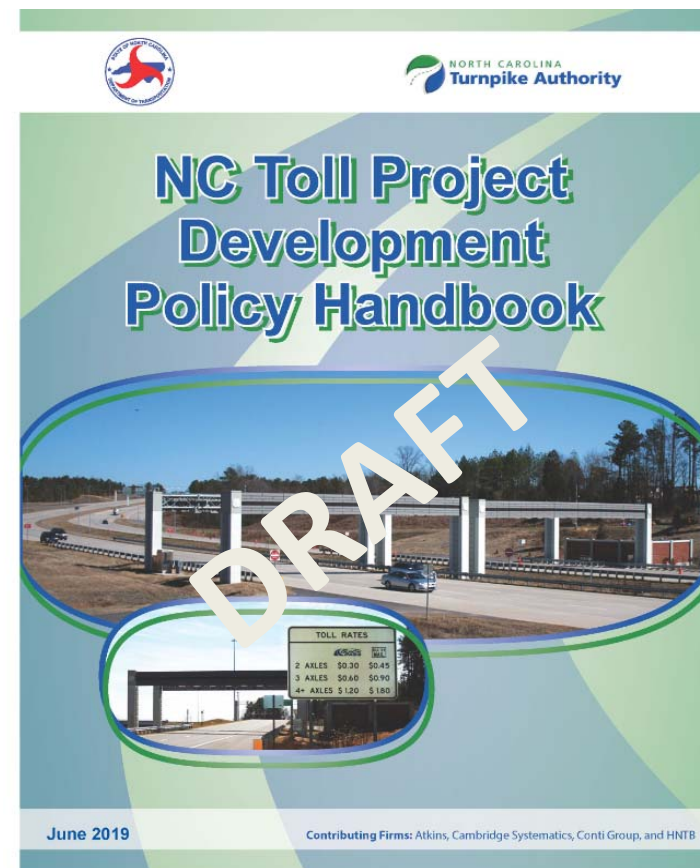
- Greenfield expressways or freeways
- Express lanes (or priced managed lanes)
- Upgrades of existing partial-control roadways to full access control facilities
- New bridges or major bridge replacements



Policy Implementation

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

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



Handbook Development Management

Internal NCDOT team (PMT)

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

Work Group (advisory)

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

Multi-disciplinary consultant team prepared Handbook content

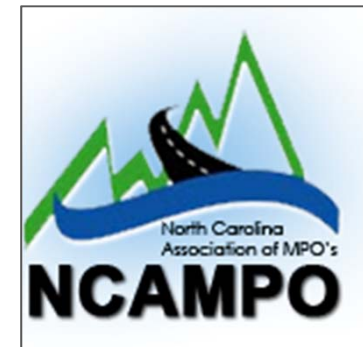
Handbook Development Objectives

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

Handbook Development

Project Sponsor Feedback

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



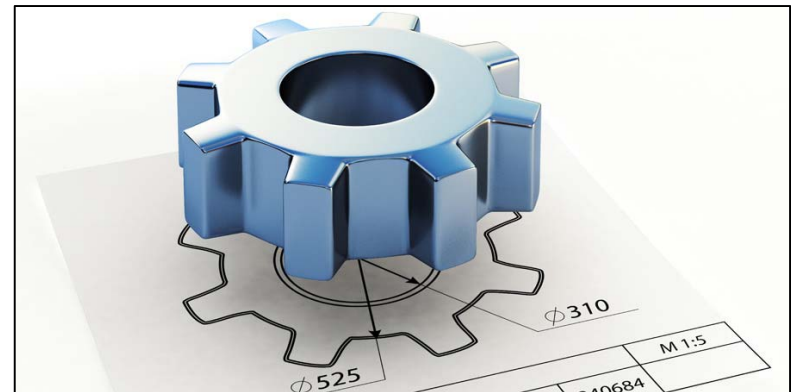
Handbook Development

Content

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



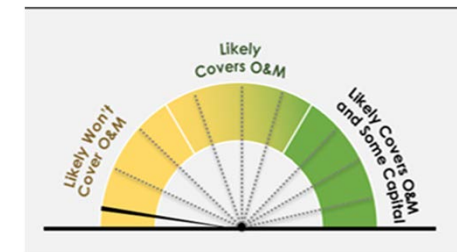
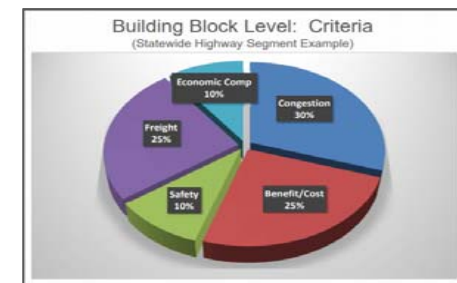
**Prototype Analysis –
evaluation standards and
criteria testing**



Handbook Development Content

Pre-Submittal Assessment (PSA)

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



Implementation – dedicated internal resources, liaison to project sponsors



Handbook Development

Pre-Submittal Assessment (PSA)

Early evaluation of performance and financial project viability

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

Performance and Data Driven Approach

Performance Based Criteria tied to Strategic Prioritization

– Example: Congestion Relief

Volume-to-Capacity Ratio

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

Transit Utilization

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

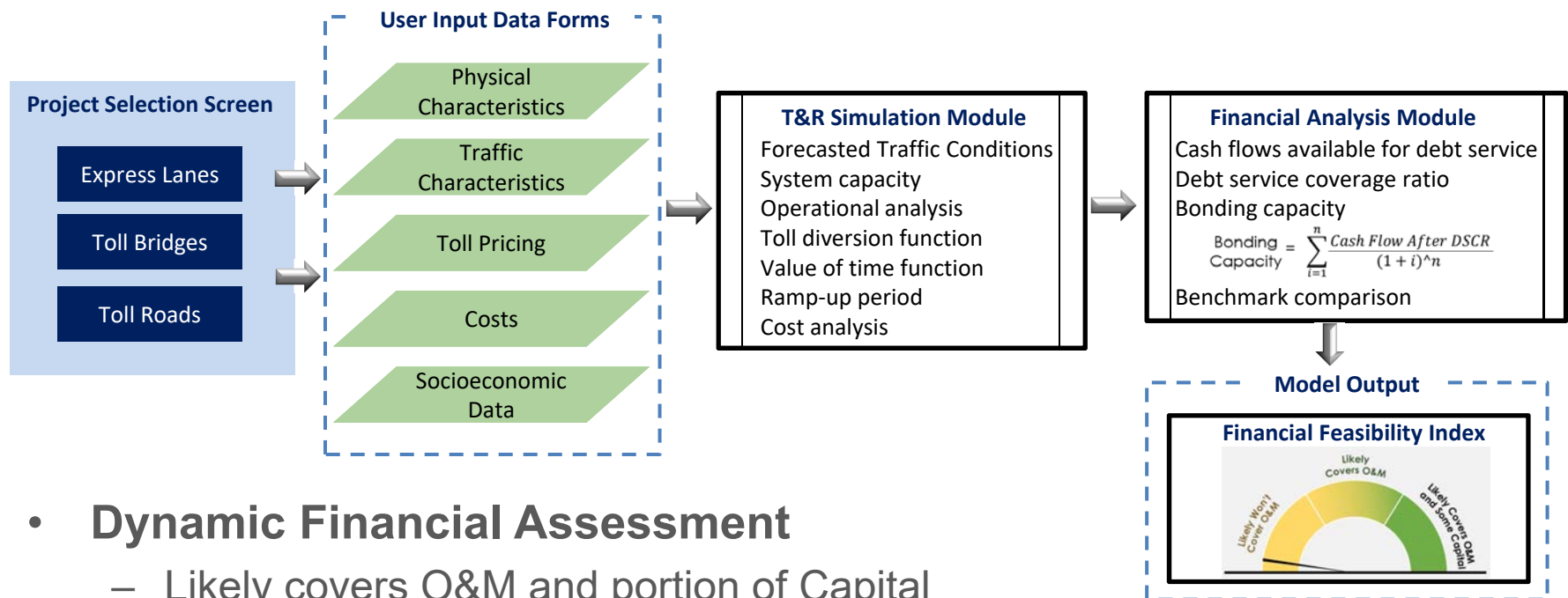
Travel Time Savings

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

Travel Time Reliability

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

Preliminary Financial Feasibility Module

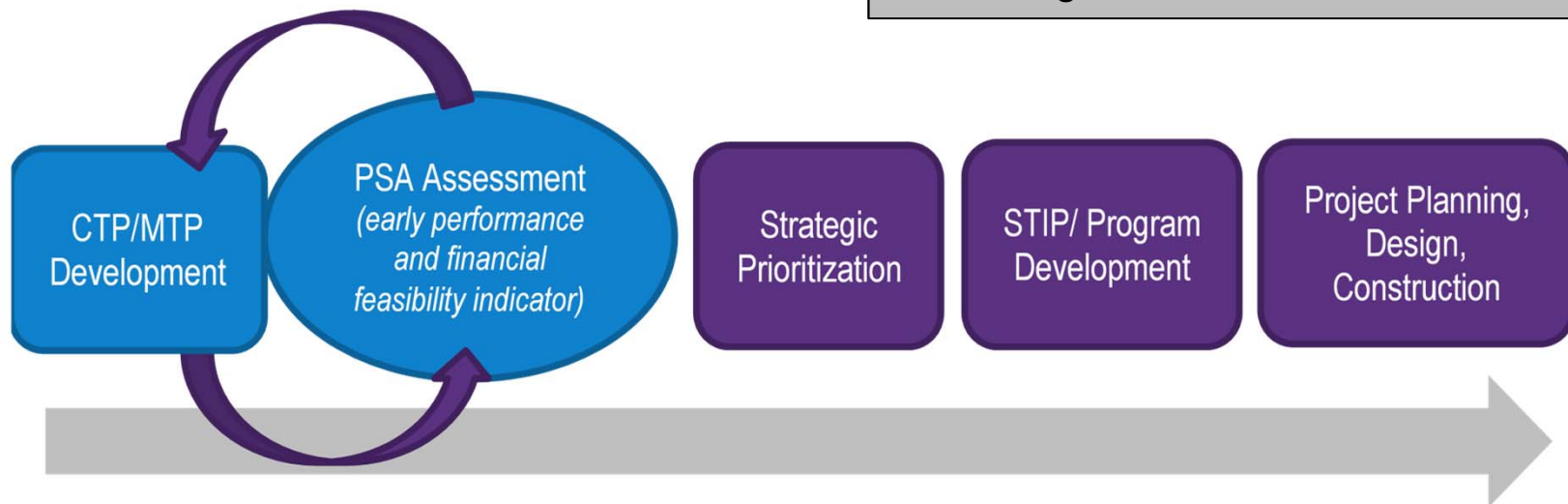


- **Dynamic Financial Assessment**

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

Long Range Planning Integration

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



Implementation Framework

- **Intra-Departmental Project Evaluation Team**

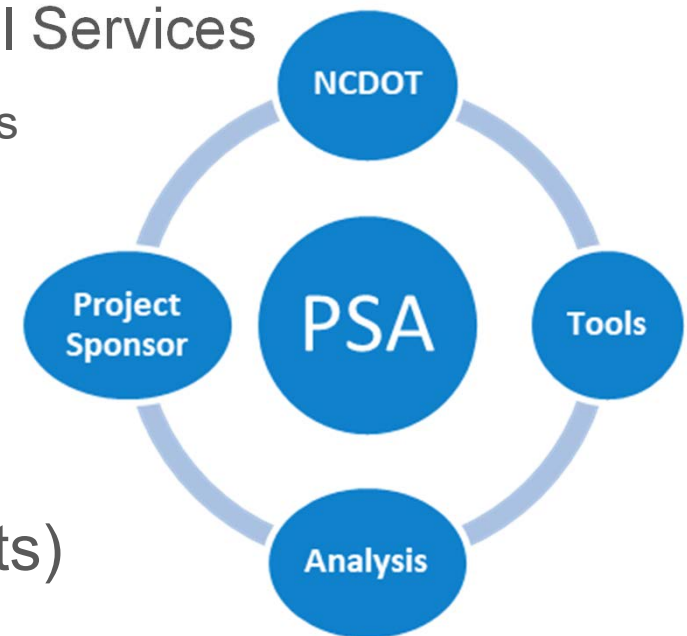
- TPD, NCTA, SPOT, STIP, Technical Services

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

- **PSA Training Program**

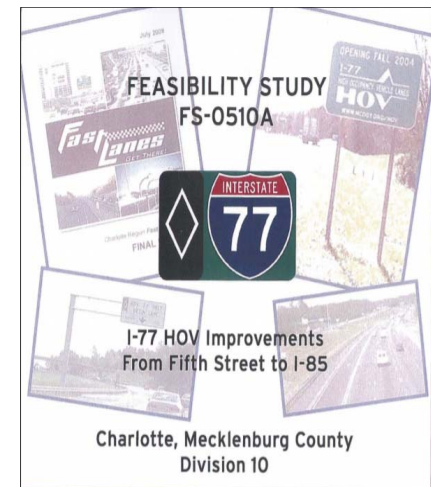
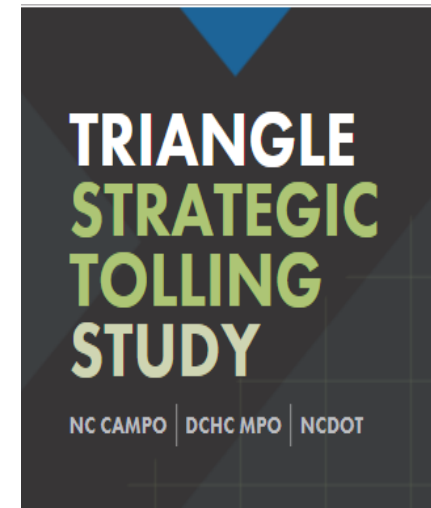
- Fall 2019 (MPO/RPO participants)

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



Implementation Considerations

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



NC Tolls Policy Amendment

"Grandfather" Policy:

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

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

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

BOT Action (June 27)

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

Next Steps

June

- Refine Handbook & Implementation Framework

June 27

- Present to NC Board of Transportation

Fall 2019

- PSA training and tools review with project sponsors

Questions?

Amendment to the NC Toll Project Development Policy

BACKGROUND:

In February 2018, the Board of Transportation adopted the NC Toll Project Development Policy (Toll Policy) in an effort to advance a new vision for examining and assessing toll-funded financing opportunities earlier in the long range planning process. The Toll Policy strengthens the NC Department of Transportation's (NCDOT) ability to manage a reliable transportation network and provide expanded project funding choices for NCDOT's regional partners in a rapidly changing transportation landscape. It supports a vision which will be applied to a variety of tolling and pricing concepts for candidate toll projects such as, but not limited to, existing highways, new toll roads, priced managed lanes (i.e. express lanes), or bridge projects.

A Toll Project Development Policy Handbook (Handbook), referenced in the Toll Policy, sets forth guidelines to ensure that candidate projects are financially feasible, will operate safely, are publicly vetted, and will reflect sound stewardship of funds and program performance. This will be done in cooperation with the State's Metropolitan and Rural Planning Organizations (MPOs/RPOs). Candidate toll projects that complete the guidelines are eligible to be scored under the Department's strategic prioritization process. Projects which score well and meet Strategic Transportation Investment (STI) requirements will be included in the State Transportation Improvement Program (STIP).

PURPOSE:

In transitioning to the new Toll Policy, it is recognized that a small number of candidate toll projects have already progressed through strategic prioritization and into the project development stage, and some have already been submitted under the strategic prioritization process but have not scored high enough to be included in the STIP. In addition, a limited number of candidate toll projects may be submitted under the next round of strategic prioritization (P6.0) before the Handbook guidelines can be implemented. Therefore, an amendment to the Toll Policy is proposed to ensure these candidate toll projects remain eligible for funding without being re-evaluated under the Handbook guidelines.

PROPOSED AMENDMENT TO THE NC TOLL PROJECT DEVELOPMENT POLICY:

The portion of the NC Toll Project Development Policy with the section heading "North Carolina Toll Policy" is amended to read as follows:

"To confirm the intent and direction of this new vision, the NC Board of Transportation would adopt the policy, consistent with current NC statutes, shown below:

To improve the Department's ability to manage a reliable transportation network, address congestion, leverage limited financial resources, and provide more user choice, the Department shall implement a NC Toll Policy. The NC Toll Policy, defined and implemented by a Framework of steps and actions, expands the Department's consideration of toll financing as an integral and important strategy to deliver critical, time-sensitive transportation solutions. Upon adoption, the NC Toll Policy shall be applicable for eligible transportation projects submitted under NCDOT's next Strategic Prioritization cycle or Prioritization 6.0 (P6.0). Under this Policy the Department shall:

- Evaluate the feasibility of financing high-capacity urban and rural highway improvements through levying of tolls or managed lanes pricing options. Subject to current state law these improvements could include but are not limited to: new alignment highways with full access control; improvement of existing full access control highways by addition of priced managed lanes; conversion of other highways to tolled, full access control highways by reducing direct access and adding tolled general use or managed lane capacity; or high-volume bridges over bodies of water. This Policy defines “limited access highways” as those planned for high speed traffic, with few or no at-grade intersections, limited points of access, and a median divider between traffic lanes moving in opposite directions.
- Define feasibility of tolling and priced managed lanes in cooperation with the state’s Metropolitan and Rural Planning Organizations (MPOs/RPOs) and guidelines as set forth in a Toll Project Feasibility Handbook (Handbook). The Handbook will ensure that candidate projects are financially feasible, will operate safely, are publicly vetted, and reflect sound stewardship of funds and program performance. The following criteria shall apply:
 - (1) For any toll project or priced managed lane project to be programmed and constructed by the Department, it must be approved by the nominating MPO or RPO through inclusion in their adopted Comprehensive Transportation Plan (CTP), Metropolitan Transportation Plan (MTP), or other adopted local plan; it must also advance through the state’s Strategic Prioritization process and score well enough to be included in the local Transportation Improvement Program (TIP) and Statewide Transportation Improvement Program (STIP).
 - (2) Any toll candidate project(s) not committed in P6.0 will be subject to the Handbook guidelines. An MPO or RPO request to convert a current non-tolled project in NCDOT’s strategic prioritization database to a tolled project would be considered a new project and subject to the Handbook guidelines. As used in this Toll Policy, the term “committed” refers to the definition used for programming a project for right-of-way or construction in the STIP under NCDOT’s latest strategic prioritization process.”

Adopted by the Board of Transportation DATE _____

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

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

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

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

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

NOW, THEREFORE, BE IT RESOLVED:

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

That appropriate signs will be erected at a suitable time.

Adopted this the 6th day of June 2019 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation



ADVANCED TECHNOLOGY MEETING MINUTES

DATE: 2/6/19 TIME: 3:40 pm LOCATION: Board Room 150

MEETING CALLED BY	Vice-Chair Valerie Jordon called the meeting to order
BOARD ATTENDEES	Valerie Jordan, Tony Lathrop, Allen Moran, Thomas Taft, Billy Clarke, John Pope

AGENDA TOPICS

1. MEETING CALL TO ORDER ON FEBRUARY 6, 2019 FOR ADVANCED TECHNOLOGY MEETING – VICE-CHAIR VALERIE JORDON	
DISCUSSION SUMMARY	Vice-Chair Jordon called the committee to order and presented roll call and read the conflict of interest statute.
2. PREPARING FOR FUTURE TECHNOLOGIES UNIVERSITY CENTER FOR TRANSPORTATION INNOVATION – NEIL MASTIN, RESEARCH & DEVELOPMENT MANAGER	
DISCUSSION SUMMARY	<p>The Center for Transportation Innovation program is a multi-year, multi-university coalitions to export cutting edge topics and work with DOT on strategic ideas.</p> <p>Mr. Mastin mentioned reasons why the program was developed, the next steps and funding sources.</p> <p>He informed the Board of the first Annual Research & Innovation Summit on May 2019 and that the program will be up and running by Fall 2019.</p>
3. MITIGATION & MODELING – LEILANI PAUGH, PROJECT ATLAS	
DISCUSSION SUMMARY	<p>Ms. Paugh explained the Project ATLAS acronym and their goal to streamline project development using GIS tools, applications and data, which adheres to the Secretary's Priorities for Improved Program Delivery and Reduced Cash Balance</p> <p>The Project ATLAS looks at all modes of transportation and collects information to have in a "One Stop Shop" database.</p> <p>Limited tools are available for use at the New Hope Center for Project ATLAS, but the complete project tools will be available for use to everyone after the NCID Rollout March 15th with training following the end of March.</p> <p>Next steps will be to connect with all systems, vet new data layers with field work, engage agencies in process improvements and collect feedback from users to improve ATLAS tools and data layers.</p>
ACTIONS TAKEN	N/A
ADJOURNED 4:23 PM	



ADVANCED TECHNOLOGIES COMMITTEE (ATC) AGENDA

BOARD OF TRANSPORTATION
JUNE 5, 2019

TIME: 3:20 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum	Nina Szlosberg-Landis, Committee Chair	3:20pm
Opening remarks	Nina Szlosberg-Landis, Committee Chair David Howard, Chief Deputy Secretary	3:25pm
NCMoves2050 – Drivers and Opportunities in Technology	Nastasha Earle-Young, NCDOT Transportation Planning Leta Huntsinger, WPS Project Engineer Alpesh Patel, Cambridge Systematics Deputy Project Engineer	3:35pm
Other Discussion	Nina Szlosberg-Landis, Committee Chair	4:15pm
Adjourn	Nina Szlosberg-Landis, Committee Chair	4:20pm



NORTH CAROLINA Department of Transportation



NC Moves 2050

Nastasha Earle-Young, Project Manager, NCDOT- Transportation Planning Division

Leta Huntsinger, Project Engineer, WSP

Alpesh Patel, Deputy Project Engineer, Cambridge Systematics

June 5, 2019

Welcome

A strategic transportation plan connecting communities across North Carolina, focused on creating a more responsive, diverse, and inclusive transportation system for keeping people and freight moving safely and efficiently.



NC MOVES 2050

CONNECTING YOUR COMMUNITY,
YOUR VOICE AND YOUR FUTURE

Plan Development: Accomplishments



Engagement

- Website
- 3,600 survey responses
- Video
- 3 Tabling Events
- Social media engagement
- Fact sheets
- MPOs/RPOs



Stakeholders

- 3 Working Group meetings
- Outreach to over 150 agencies
- 8 workshops
- Draft vision statement



State of the System

- Interviews with agency leads
- Reviewed existing report
- State of the System Report
- Modal fact sheets



Changes and Uncertainties

- Peer review
- Conducted research
- Interviewed SMEs
- Developed white papers and fact sheets

Overview

Where Are We Now?



- Historic trends
- Current practice

- Partnership opportunities



Where Could We Go?



- Signs, indicators of technology change

- Plausible alternative futures



How Could We Prepare?



- Technology implications for planning

- Test ideas
- Robust strategies



What's Our Path Forward?








- Goal
- Policies
- Strategies
- Investments



NC MOVES 2050

CONNECTING YOUR COMMUNITY,
YOUR VOICE AND YOUR FUTURE

Emerging Issues and Research

-  Demographic
-  Economy
-  Technology
-  Funding
-  Resiliency
-  Security
-  Tourism
-  Partnerships

Regional Lenses



How could the direction and magnitude of these signposts be unique for NC (relative to the U.S.) and by region or economy?

NC Moves
2050

NCDOT & Partner Role(s) in Technology

Legislation and Regulations

Connected and Autonomous Vehicles Roadmap (2016)

Key questions associated with this disruptive technology;
Activities to help NC prepare

Autonomous Vehicle Legislation (2017)

HB 469 - parameters for autonomous vehicle testing; established Fully Autonomous Vehicle Committee

HB 716 - allows truck platooning testing on roadways

Micro-mobility in urban North Carolina (2018-2019)

LimeBike, Bird electric scooters and Citrix Cycle launch in Raleigh, Charlotte and Greensboro



Testing and Applications

Western Wake Freeway/Triangle Expressway

One of only 10 test sites in the nation where truck platooning technology is being tested

Unmanned Aircraft Systems (UAS) Program

NCDOT is a national leader in the development of regulations and permitting systems for drones and unmanned aircraft systems

Active Traffic Management System (I-95/US 70)

Communications related investments enable NCDOT to operate corridors in a coordinated, reliable manner and extend broadband to rural areas.

Future efforts guided by Governor Cooper's Dig Once Executive Order 91



Triangle Expressway



NC Moves
2050

Trends and Impacts

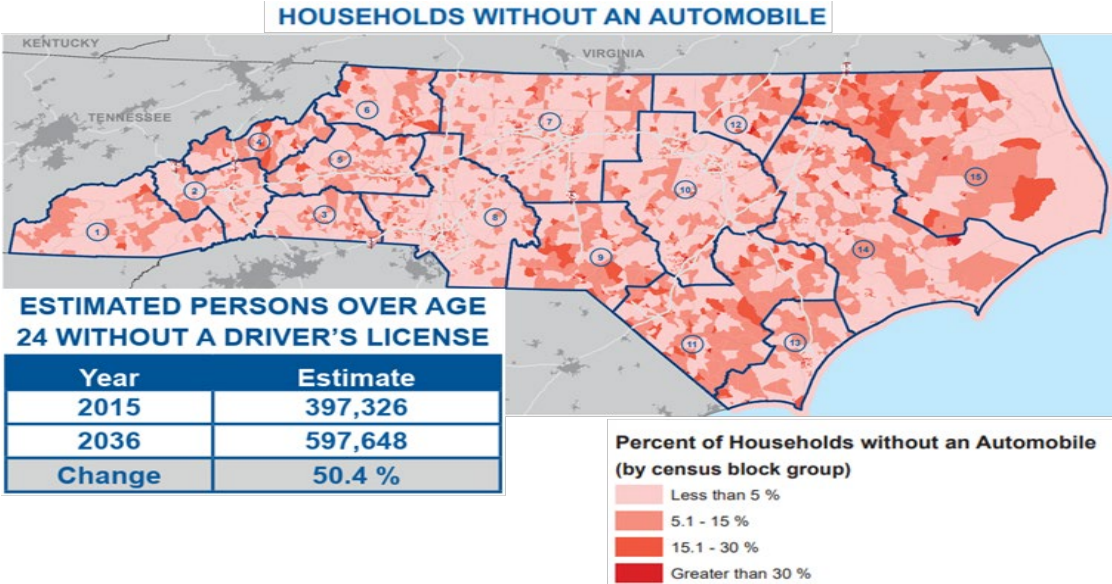
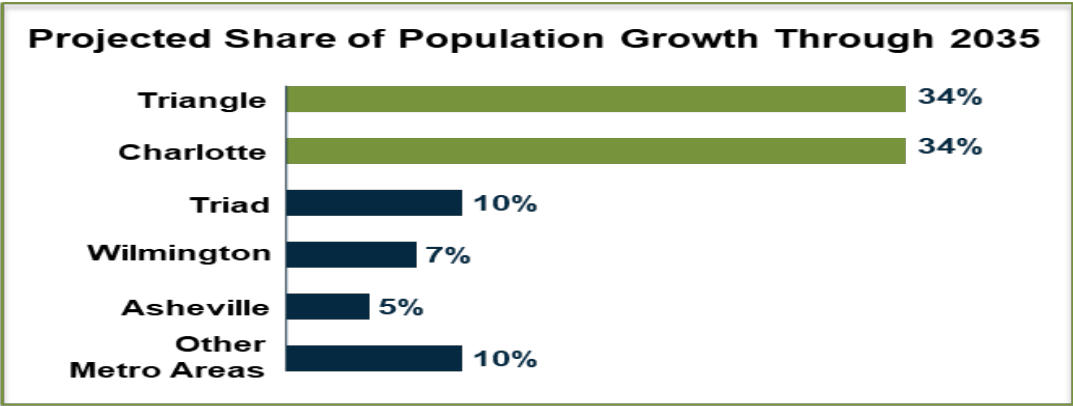
Automated Vehicles: What and Why

Higher demand for short trips (transit, electric scooter, bicycles)

Rural counties lose working age adults; seniors age in place

50% more residents over age 24 without a driver's license

Higher demand for public transit & health care service trips



Trends Drive the Need for Technology Solutions

Emerging growth industries

More competition for curb space

Unpredictable events and threats pose risks to vulnerable infrastructure

Greater collaboration, performance based tools to visualize solutions



Floodplain Mapping and Management

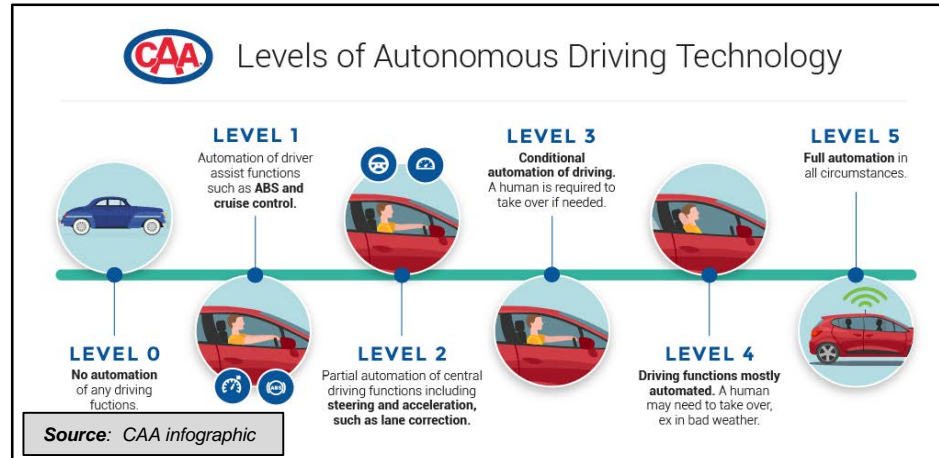


Flood Inundation Mapping and Alert Network (FIMAN)



Flood Risk Information System (FRIS)

Automated Vehicles: What and Why



Potential AV benefits:

- Improved road safety
- More equitable access
- Reduced stress of driving
- Smarter acceleration and deceleration to improve fuel efficiency and emissions
- Economic gains of less “lost” productivity

Vehicles and Infrastructure Are More Connected than Ever

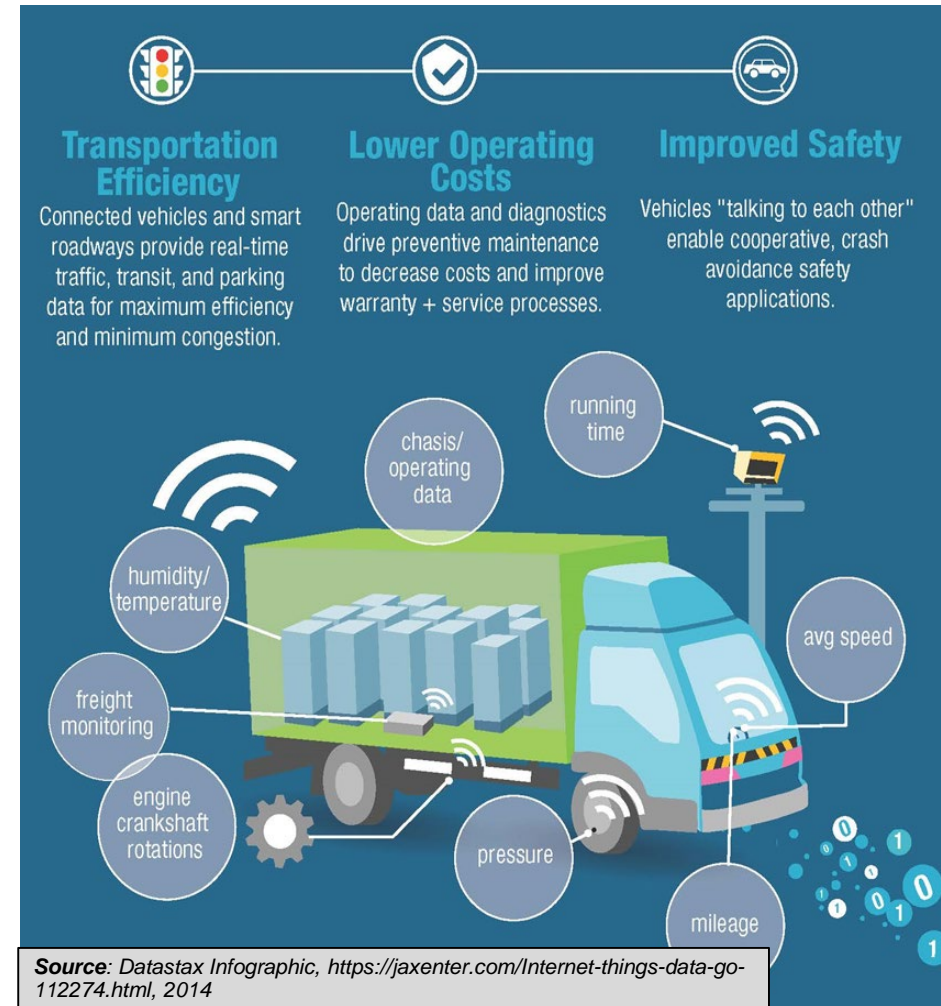
Connected vehicles (CV) and smart infrastructure provide “connected-life” experience

Communicate with other vehicles, roadside units

Communicate with central or series of servers

“Smart infrastructure” can:

- predict travel times, roadway conditions, and incidents
- Improve system performance

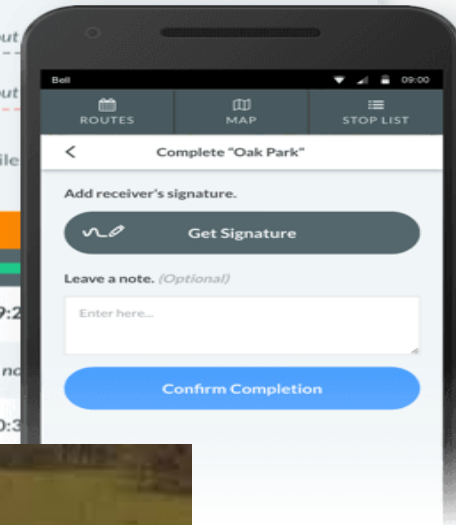
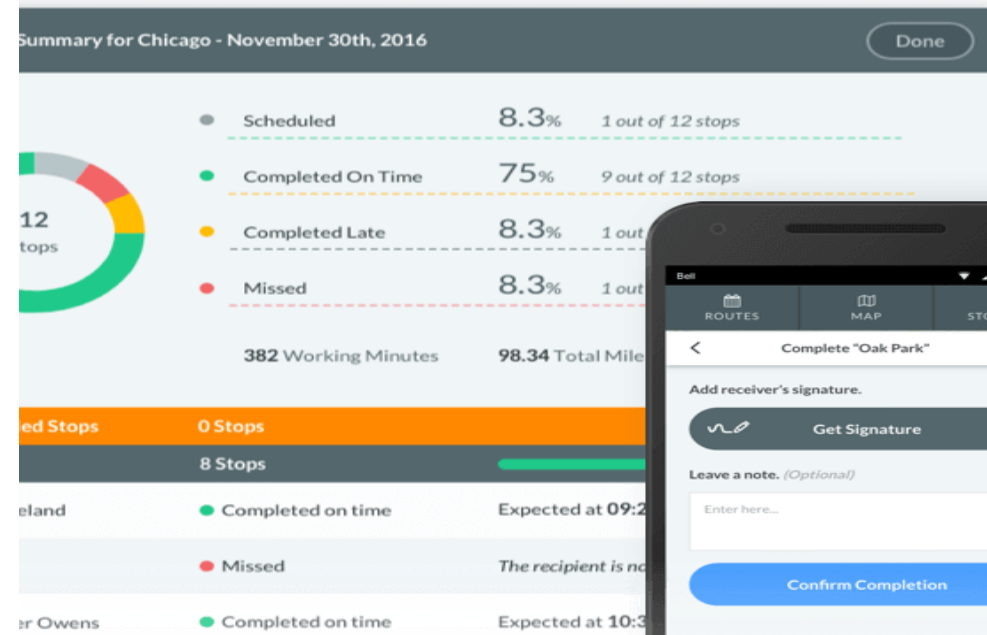


Technologies Will Impact Deliveries and Distribution

Enhanced company decision making through GPS tracking and optimization

Mobile 3D printing spawns autonomous manufacturing hubs

Drones solve last-mile challenges



UPS HorseFly octocopter test flight

Transit and Commercial Vehicles Go Electric

Electrification occurs at different rates and times

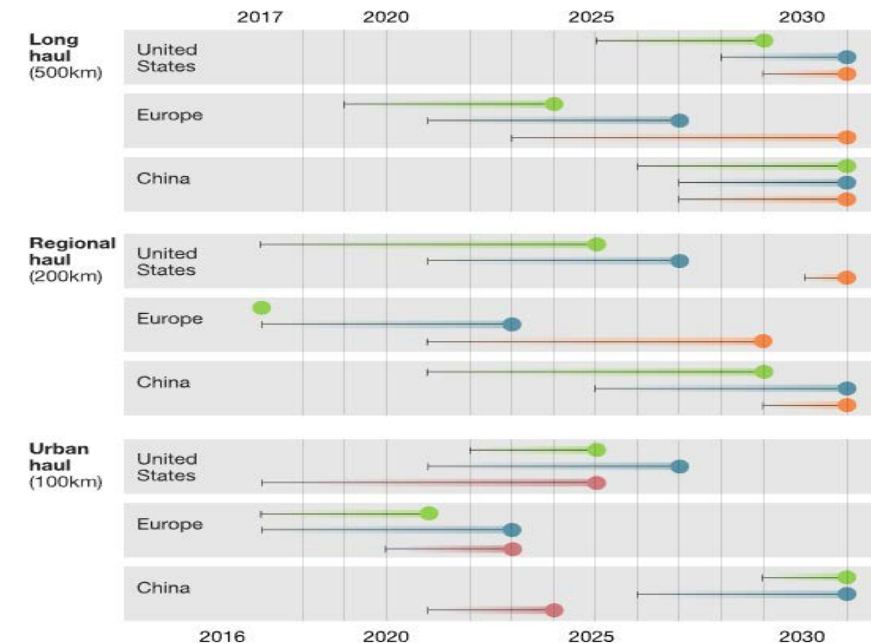
NC's experience driven by costs and market conditions

Electric vehicles projected to comprise 19% of US vehicle sales by 2050

Different applications and weight classes will see varying breakeven points for electric vehicle total cost of ownership.



Timing of battery electric vehicle total cost of ownership parity with diesel vehicle, year achieved range



Source: McKinsey Center for Future Mobility

Demand for Intercity Travel

Regions grow towards each other

High speed travel between activity centers

Gulf Coast Passenger Rail

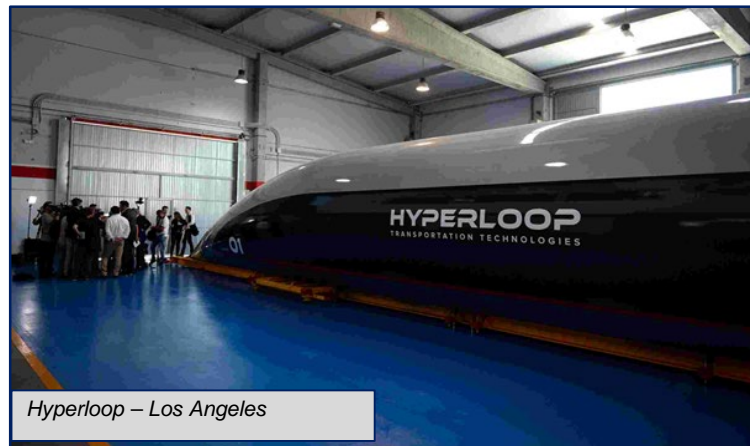
Florida's Brightline Hyperloop

Uber Elevate

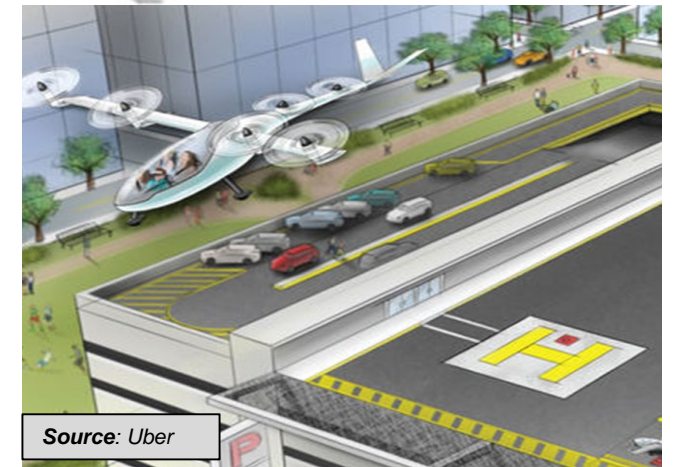
Connecting Corridors



Source: NCDOT

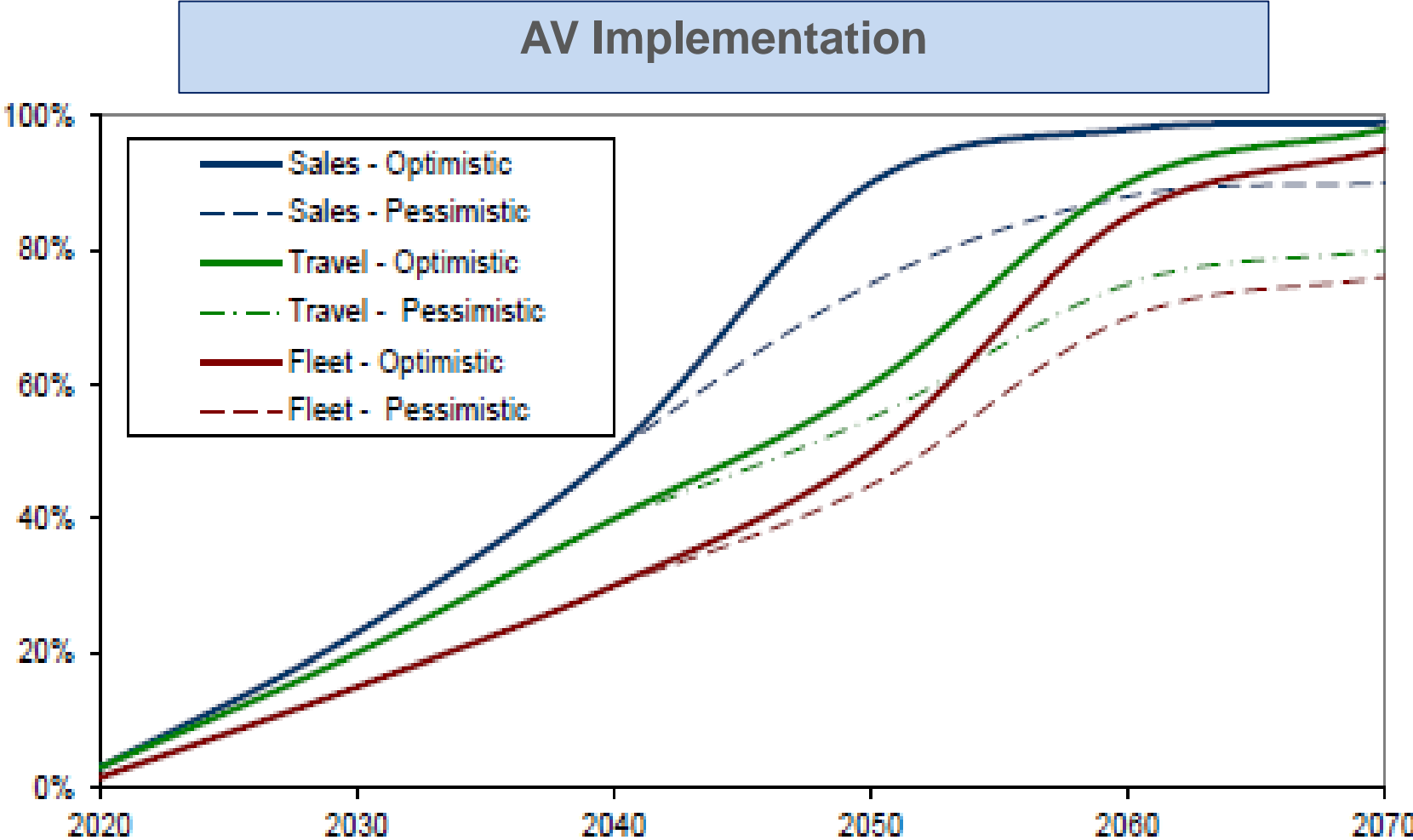


Hyperloop – Los Angeles

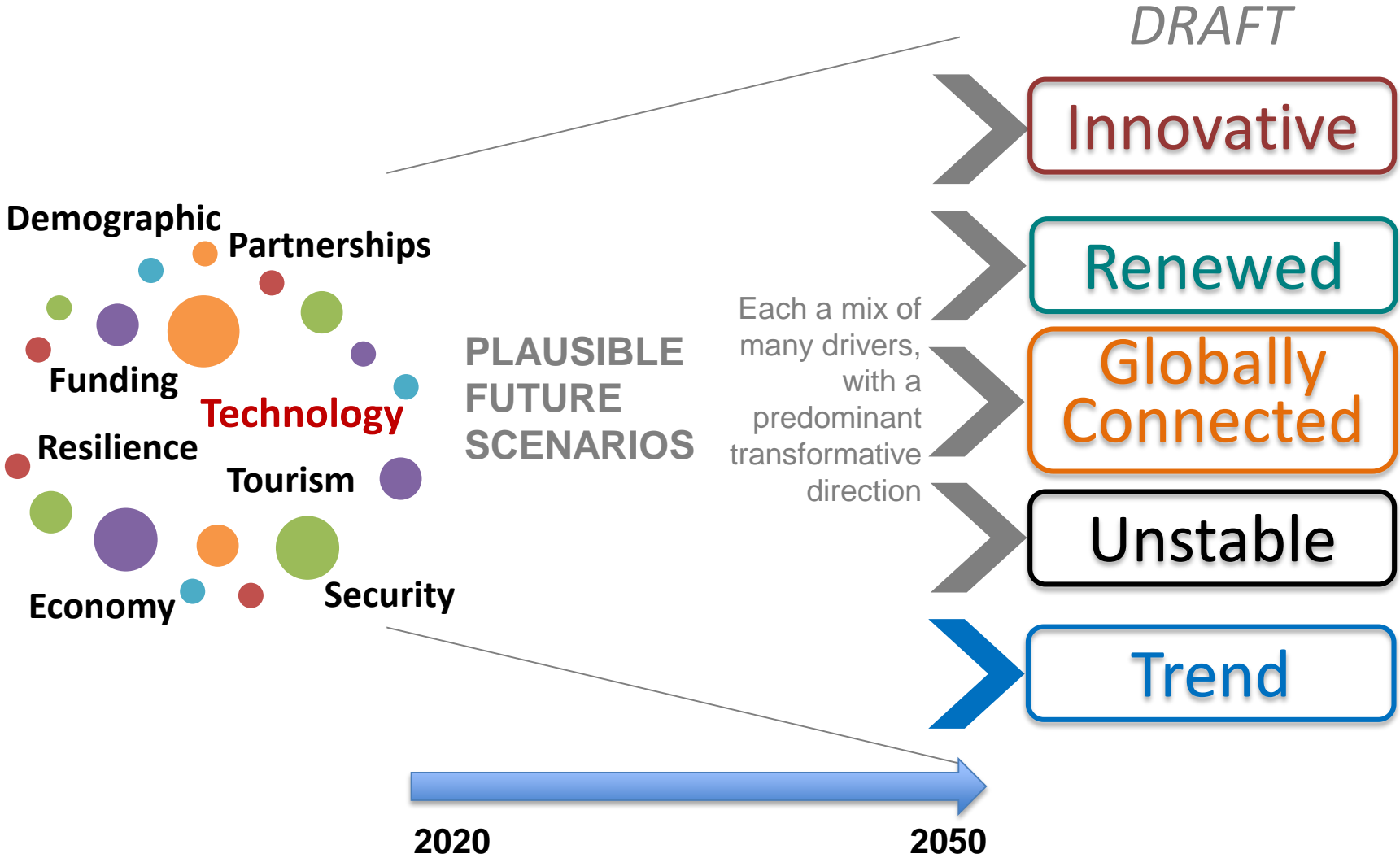


Source: Uber

The Future is Hard to Predict



Exploratory Alternative Futures





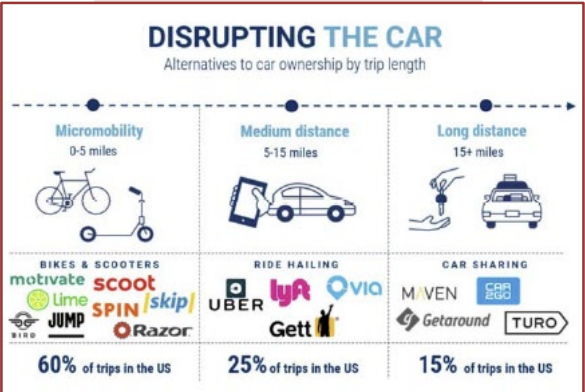
INNOVATIVE

A future where technology in transportation drives new development patterns and economic growth. This results in a low-carbon, shared, lower cost, and more accessible multimodal system.

Connected hubs



Shared mobility



Drones, AVs, and EVs



NC Moves
2050

Engagement

Technology Related Comments

What we heard from MPO/RPO meetings and table topics

- Most rural areas do not have broad band
- Areas in the eastern part of NC is concerned with resiliency
- Affordability of transportation
- Most users of technology are in urban areas

What we heard from May workshops

- Adoption to transportation technologies will occur at different times and in different ways across regions
- More people may live, work and be connected through innovation hubs
- What other steps are needed to prepare for disruptive technologies (such as statewide investment in electric charging stations, fiber, or wireless infrastructure)?
- We will need more education and skilled workers ready to manage sophisticated transportation systems
 - How do we protect public sector goals when the private sector will have a bigger role?

NC Moves
2050

Next Steps

Project Schedule





DIVISION OF MOTOR VEHICLES (DMV) COMMITTEE AGENDA

BOARD OF TRANSPORTATION **June 5, 2019**

TIME: **10:30AM**

LOCATION: Room 160

TOPIC	PRESENTER	TIME
Call to Order Declaration of Quorum	Mike Alford, Committee Chair	10:30am
DMV Overview/ Update	Commissioner Jessup Karen Brown, Deputy Commissioner	10:35am
Closing/Adjourn	All	11:45am



NORTH CAROLINA

Department of Transportation



DMV Overview

Torre Jessup, Commissioner

June 5, 2019

- 1,561 FTEs
- 7.2 million licensed drivers
- 9.7 million registered vehicles
- 1 state operated license plate office
- \$133 million budget





- 7.2 million licensed drivers
- 800,000 ID card holders
- 114 driver license offices
 - University City driver license office - March 6 in Charlotte
- 9 mobile office
 - 25 Permanent Mobile Sites
 - 15 Prison Sites
- 2 DMV Mobile RVs
 - Community outreach

1 state operated
license plate
office

9.7 million
registered
vehicles

124 license plate
agencies

3 general plate
designs

203 specialty
plates

2,150,000 calls
DMV Call Center
annually



- Staff
 - 185 sworn FTEs
 - 63 License & Theft offices
- 6,210 inspection stations
- 7,903 licensed auto dealers
- 42,740 vehicle sales representatives
- 2018
 - 1,467 stolen vehicles recovered (\$13.8 million)
 - 2,071 cases closed of fraudulent IDs/DLs





New
Leadership

Hearings

Ignition
Interlock

Adjudicated
Records

Medical
Review



99 DLEs
Graduated Basic
School in 2018



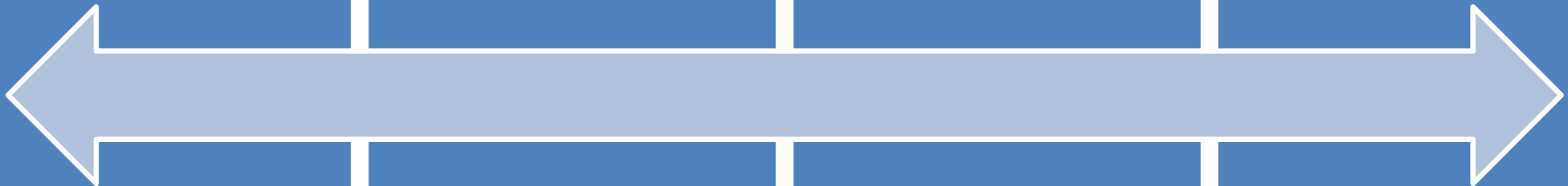
Law
Enforcement
Basic School
10-15 New
Inspectors
Trained Annually

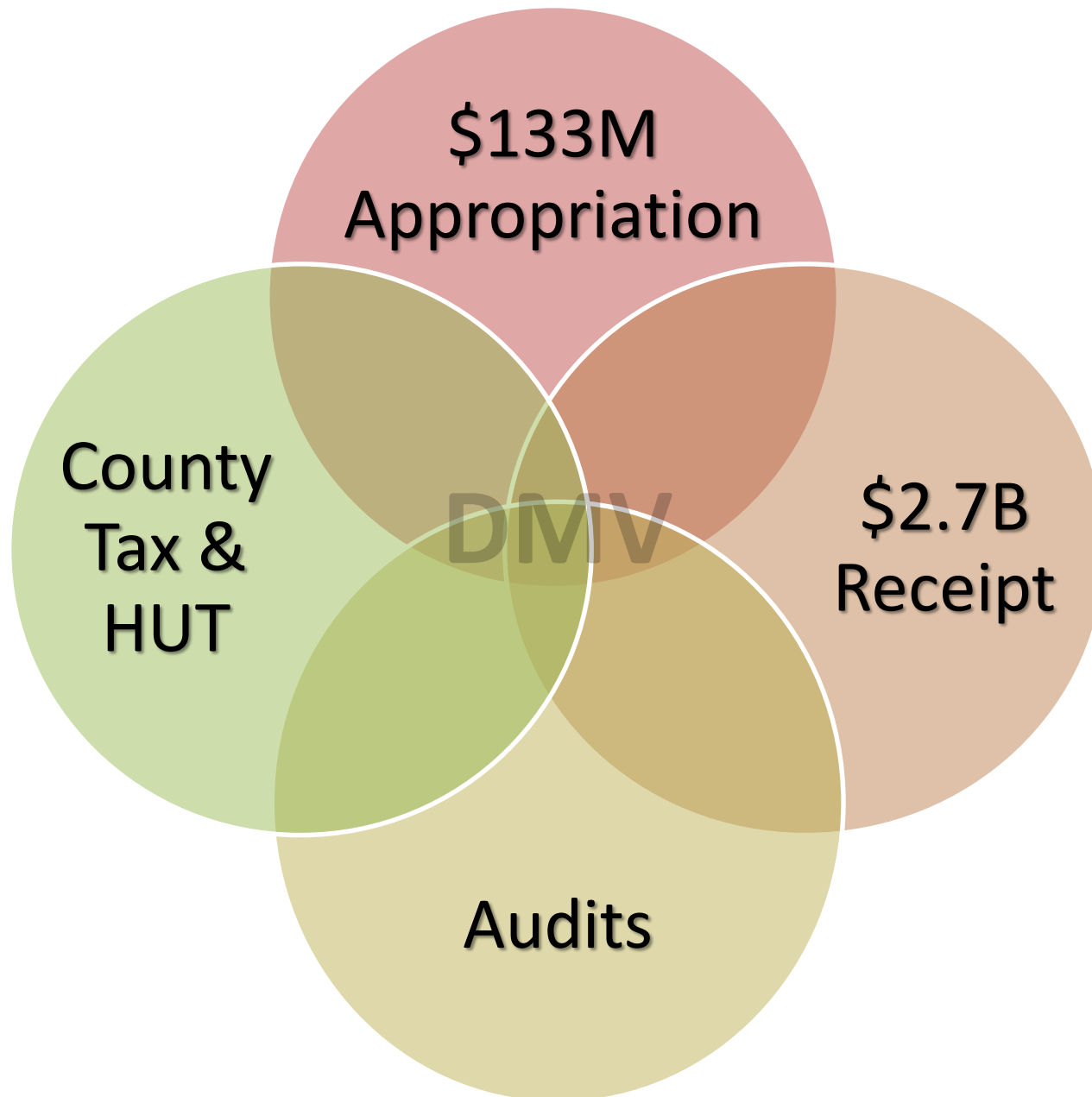


37,604 Certified
School Bus
Drivers



1,299 Certified
Driver's Ed
Instructors



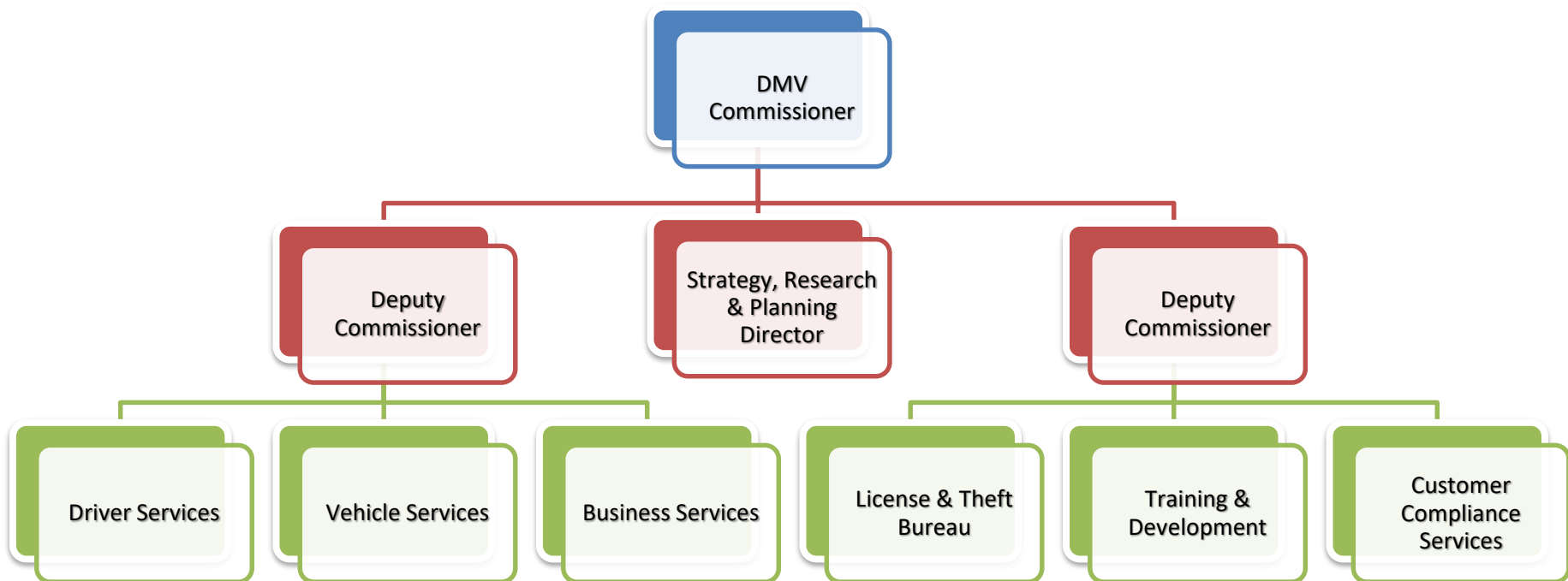


**Strategic
Planning**

**Policy &
Governance**

**PII
Security**

**Electronic
Records**



Goals of Reorganization

- ✓ Improve customer service
- ✓ Improves strategy development and implementation
- ✓ Improve data/information management
- ✓ Enhances ongoing training

Training & Development



- Enhances ongoing training
- Prepares workforce for new technology
- Prepares a pipeline of new leaders to replace retiring baby boomers
- Improves retention through professional development



Implement Strategic Plan

HQ Move

DLO Operational Efficiencies

Improving Efficiency in Customer Compliance

IT Modernization



Strategic Planning

Teamwork



North Carolina Division of Motor Vehicles

Mission

North Carolina Division of Motor Vehicles facilitates safe mobility and access to opportunities that enhance the lives of the people who live, visit and conduct business in North Carolina.

Vision

To inspire employees to transform the NCDMV into a national leader in service delivery and innovation.

We Value

- | | | |
|--------------------|------------------|-------------|
| ✓ Safety | ✓ Integrity | ✓ Teamwork |
| ✓ Customer Service | ✓ Innovation | ✓ Diversity |
| ✓ Quality | ✓ Accountability | |

Goals

Employee Investment – Invest in employee growth and success.

Customer Experience – Provide a positive customer experience.

Organizational Excellence – Embrace data-driven decision making and modern management practices.

Stakeholder Relationships – Build strong, cooperative relationships.

Questions?



Torre J. Jessup
Commissioner of Motor Vehicles

tjessup1@ncdot.gov



NORTH CAROLINA

Department of Transportation



Division of Motor Vehicles

Board of Transportation

June 2019

Agenda

- NC DMV Strategic Plan Overview
- HQ Move Overview
 - Overall Schedule
 - HR Strategy
- DLO Peak Season Strategy Summary
 - Performance management system
 - Demand management
 - Roll-out plan

Overview

NC DMV Strategic Plan

2019-23 Strategic Plan Overview

Mission

North Carolina Division of Motor Vehicles facilitates safe mobility and access to opportunities that enhance the lives of the people who live, visit and conduct business in North Carolina.

Vision

Employee powered national leader of safe driving and safe vehicles.

Values

- | | | |
|--------------------|------------------|-------------|
| ✓ Safety | ✓ Integrity | ✓ Teamwork |
| ✓ Customer Service | ✓ Innovation | ✓ Diversity |
| ✓ Quality | ✓ Accountability | |

Goals

- **Employee Investment** – Invest in employee growth and success
- **Customer Experience** – Provide a positive customer experience
- **Organizational Excellence** – Embrace data-driven decision-making and modern management practices
- **Stakeholder Relationships** – Build strong, cooperative relationships

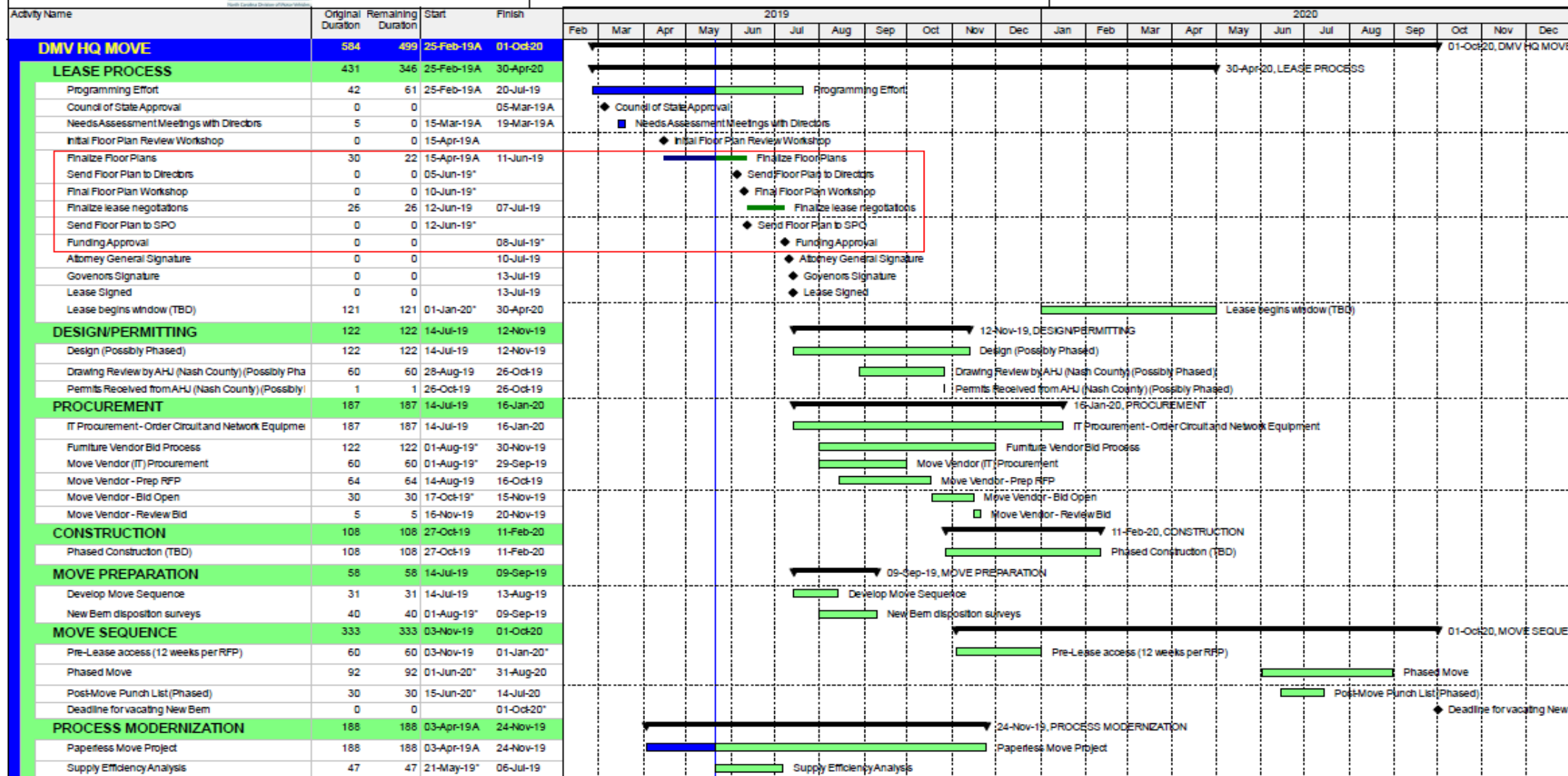
Overview

HQ Move



DMV HQ MOVE UPDATE

21-May-19 16:00



■ Remaining Level of Effort ■ Actual Work ■ Critical Remaining Work
 ■ Actual Level of Effort ■ Remaining Work ◆ Milestone

DMV HQ MOVE SCHEDULE
Page 1 of 2

TASK filter: All Activities

© Oracle Corporation

HR Strategy

Division-wide vacancy rate -10%,
HQ vacancy rate - 16.6%.

Retention

Alternate Work Location

- Remote Work Pilot
- Alternate Work Schedule Pilot

Move Allowance

- Up to \$3000 when qualified employees move within 15 miles of new HQ

Retention Bonus

- Up to \$5000 (paid monthly for 12 months post move)

Recruitment

Geo-Fencing

- Issuing job posting notifications via social media in a 4 counties region around Nash

Collaboration with Community Colleges

- 4 Job Fairs in the Spring and Fall beginning Fall of 2019
- Compiling a schedule of other job fairs to assure a DOT HR recruitment presence

Hiring Efficiency

Tracking Hiring Packages

- Implementing DocuSign to expedite and track signing hiring packages
- Eliminated unnecessary signatures

Defined Schedule

- 45-day Hiring Goal

Summary

DLO Peak Season Strategy

We have identified initiatives across all three major levers and have begun implementation on several

Initiative implementation

By summer at priority offices - Post-summer statewide



Volume (Demand)

Appointment strategy

- Increased appointments
- Peak shaving
- Online booking

Other demand management initiatives

- Communications
- Push to online or self-service
- Online wait times



Efficiency (Productivity)

Performance Management System

- Metrics and targets
- Scorecards
- Performance review process

Other efficiency initiatives

- Multiple scanning
- Communications
- Various others



Capacity (Supply)

Extending hours

- Saturday hours (Wake)
- Additional part time DLEs
- Reallocation of staff

Adding terminals

- New offices
- Adding terminals in select offices

Performance management system

DLO Peak Season Strategy

Office Competition pilot featured weekly scorecard reviews, active management, and procedural tweaks

Pilot overview

- Office competition:
 - Fuquay Varina vs. Mount Holly
 - North Raleigh vs. West Charlotte
- Offices competing on normalized service speed and Examiner time utilization metrics
- Weekly scorecard reviews with Seniors and each Examiner, with personalized statistics on volume and efficiency broken out by service type
- Seniors freed up from issuing to focus on being active managers

Procedural changes in pilot offices

- Multi-scanning of documents
- Minimizing SADLS comments
- Careful copying of Case ID from Q-Flow to SADLS
- Always properly routing road tests in Q-Flow
- Correctly indicating when acting as Facilitator

Example: office scorecard for Week 1

Raleigh North									
Overall customer volumes									
Arrivals		Completed		Abandoned		Aborted			
Hourly average	%	Hourly average	%	Hourly avg.	%	Hourly avg.	%		
27.4	100%	26.1	95%	1.3	5%	0.0	0%		
Capacity		SADLS to Q-Flow match %		Examiner utilization rate					
Average # of DLEs working per day	10.5	93%		70%					
Terminals	11								
Average # of active terminals per hour	9.6	Baseline		% change from office baseline					
Terminal utilization rate	88%	Normalized service score	1.67	Normalized service score % change		17%			
Average hourly volume to terminal ratio	2.8	Examiner utilization rate	72%	Examiner utilization rate % change		-3%			
				Overall office % change		14%			
Service volumes and transaction times									
Service type	Volume		Transaction time			Transaction time distribution			
	Total	% of total	Average (minutes)	Normalized service score	Target (minutes)	<5 min.	5-15 min.	15-30 min.	>30 min.
All completed	610	100%	-	1.38	-	07	320	195	46
CDL Duplicate	4	1%	19	1.10	16	-	0	3	0
CDL Original	3	0%	54	2.06	22	-	0	1	1
CDL Permit Duplicate	0	0%	0	-	16	-	0	0	0
CDL Permit Original	3	0%	17	1.10	16	-	1	1	0
CDL Permit Renewal	1	0%	15	0.92	16	-	0	1	0
CDL Renewal	2	0%	40	1.92	19	-	0	0	2
DL Duplicate	158	26%	16	1.41	13	01	99	41	12
DL Original	98	16%	21	1.69	13	02	22	55	11
DL Permit Duplicate	1	0%	45	-	14	-	0	0	1
DL Permit Original	19	3%	16	1.55	15	02	7	3	2
DL Permit Renewal	6	1%	13	1.14	14	-	4	2	0
DL Renewal	182	30%	13	1.38	13	-	130	43	0
ID Duplicate	18	3%	16	1.22	14	-	11	6	1
ID Original	46	8%	20	1.27	16	-	18	19	5
ID Renewal	12	2%	21	1.40	13	-	6	5	1
Teen DL Duplicate	0	0%	0	-	13	-	0	0	0
Teen DL Original	56	9%	20	1.20	15	02	22	15	10
Teen DL Renewal	1	0%	0	-	13	-	0	0	0

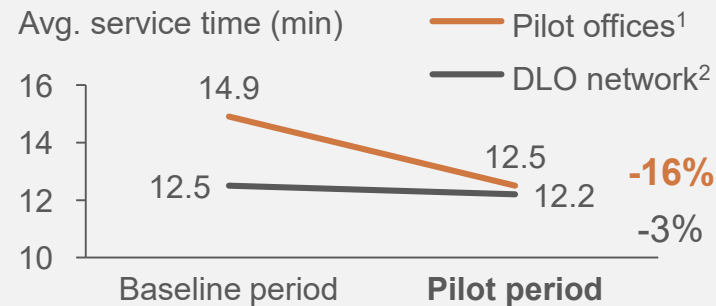
Red shading indicates reduction from office baseline

Green indicates pilot competition target reached

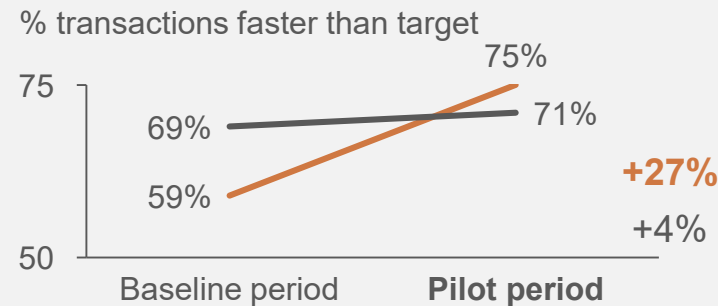
Service speeds and volumes broken out by service type

Efficiency improvements in pilot offices reduced wait times and increased productivity, relative to DLO network

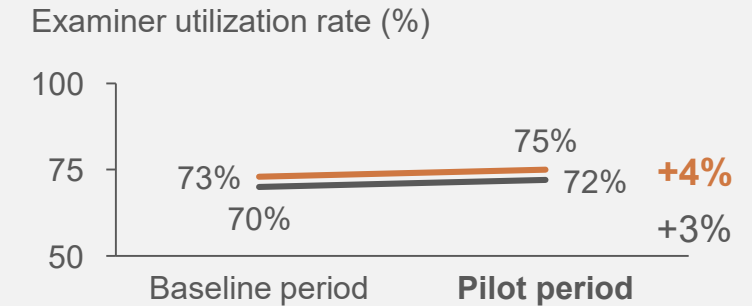
Average service time fell by 14% in pilot offices...



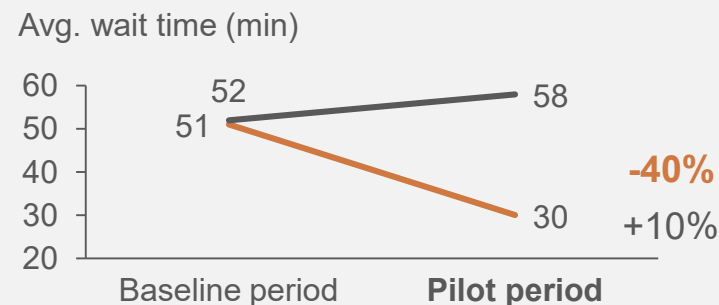
...and the portion of transactions faster than target rose by 23%...



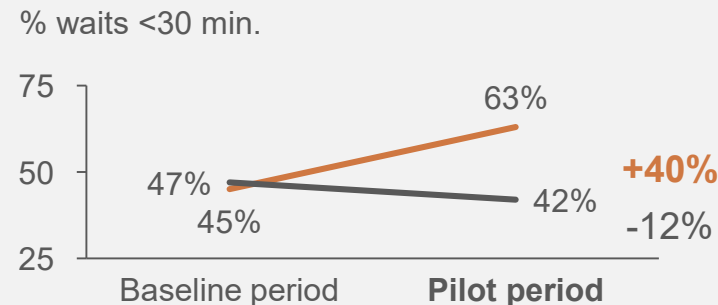
...while Examiner utilization increased by 1%



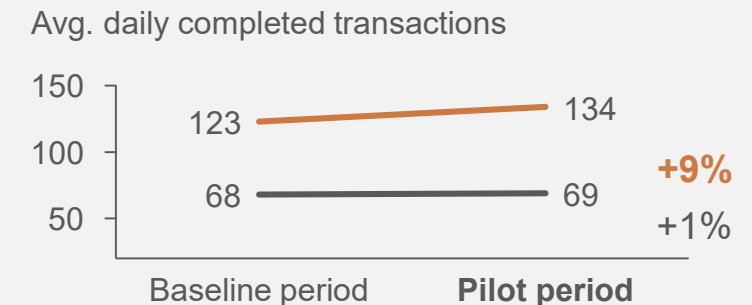
This led average wait times to fall by 50% in pilot offices...



...and the portion of waits below 30 minutes to increase by 52%...



...while pilot offices were able to serve 9% more customers



1. North Raleigh, West Charlotte, Fuquay Varina, Mount Holly 2. All DLOs except for West Raleigh, Garner, and Cary (who were involved in other pilot initiatives)

Notes: Baseline period is 2/1/2018-3/5/2019; Pilot period is 3/6/2019-3/22/2019; analysis excludes weekends and summer months (Jun, Jul, Aug)

Source: NCDMV Q-Flow, SADLS, and HR data from Feb 2018-Present; BCG analysis

Demand Management

DLO Peak Season Strategy

Short-term "boot strap" approach to capture immediate benefits of appointment strategy



Current Outlook

- **Blunt & insufficient**
 - One-size fits all with severely limited volumes



Q-Flow Online Scheduler

- **Inflexible tool facing volatile demand**
 - Risks public outcry over limited volumes
 - Limits ability to "pull forward" demand now
 - Hamstrings full long-term potential of strategy



Short-term Proposal Outlook+

- **Familiar, scalable, flexible and immediate** way to tailor appointments for top sites
 - Risks taxing the call center; can offset with temps



Long-term Proposal New Online Scheduler

- **Institutionalizes advantages of ST tool with online** customer facing portal
 - Relieves call center

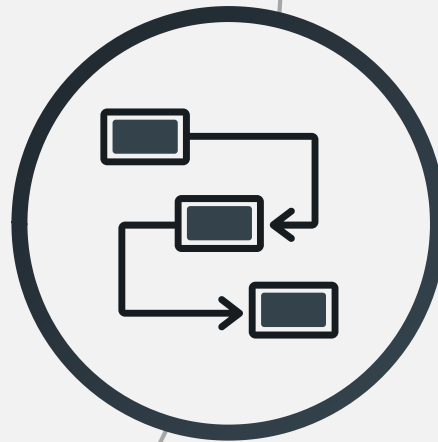
Roll-out plan

DLO Peak Season Strategy

Two guiding principles for summer roll-out



Do everything possible to pull demand from peak season forward to April-May and back to post Labor Day



Treat June-August as "sacred"—focus all resources on effective execution above all else

Be A Driver of Leadership and Excellence

Leadership

Be A DLE encourages a culture of ownership within the DMV by enabling accountability and targeted coaching at all levels

Project Be A DLE

Excellence

Be A DLE provides tools to improve the customer experience, and increases performance transparency to ensure that successes are recognized and celebrated

Project Be A DLE is the all encompassing term for the exciting new transformative effort at DMV. It represents better delivering on DMV's mission by giving DLEs the tools that they need to succeed

Program metrics to track progress of initiative roll-out



Wait and service times

Metric	Summer 2018	Target Sum '19	Target ST / LT ¹
% waits < 30 mins	22%	35%	60% / 80%
% waits < 2 hours	64%	75%	80% / 95%
% transactions better than target	66%	80%	90% / 95%



Appointments

Metric	Time period	# in Sum '18	Target Sum '19
Standard appts. made	Pre-summer	~10 k ²	~20 k
	Summer	~15 k ²	~10 k
Peak shaving appts. Made	Pre-summer	0	~10 k
	Summer	0	~20 k

Project Be a DLE requires a robust communication plan



Internal Communication

- Emphasize this program is top priority for leadership
- Provide inspirational messaging to show employees why this effort benefits them
- Keep employees engaged and informed throughout the effort



External Communication

- Help manage media narrative by ensuring the public is aware of ongoing efforts to improve
- Inform customers of changes to processes (e.g., appointments)
- Leverage press releases, radio, and ads to share key messages



Customer Education

- Enable customers to come to appointments prepared for success
- Leverage the website, literature, posters, etc. to provide interactive information on key documents

Additional Initiatives:
Process, IT & capacity

DLO Peak Season Strategy

Additional DMV initiatives

IT initiatives

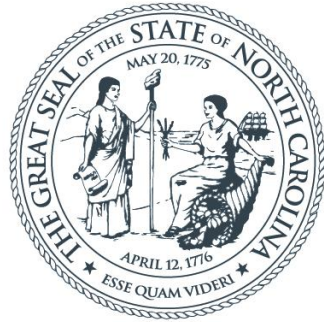
- Publishing wait-times online
- Interactive doc guide
- Make Level 3 licensing available online service
- In-school testing
- Digitizing affidavits
- DLE ability to add medical certification to driver record
- IT Help Desk call-back assistance feature

Internal DMV initiatives

- Read-only SADLS for DLO Customer Services Reps
- Career Path for DLEs
- DLE self-help IT troubleshooting
- Open Saturdays during summer
- SSN affidavits for REAL ID exemption
- Community College CDL road tests
- Achieve 50% appointments & 50% walk-in traffic

Capacity initiatives

- New Saturday hours
- New offices (Charlotte & Greensboro Xpress)
- Expansion of Sanford work stations
- Reallocation of Staff to better match capacity with demand



NORTH CAROLINA

Department of Transportation



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Department of Transportation



Release of the Final 2020-2029 STIP

Van Argabright

Division of Planning and Programming

June 2019

Status of the Final 2020-2029 STIP

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



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

DATE: April 3, 2019 TIME: 9:00am LOCATION: EIC

MEETING CALLED BY	Chairman Tony Lathrop
BOARD ATTENDEES	Chairman Tony Lathrop, Nina Szlosberg-Landis, Mike Alford, Jack Debnam, Pat Molamphy, Grady Hunt, and Allen Moran

AGENDA TOPICS

1. Meeting Call to Order and Approval of February 6, 2019 FAST Meeting Minutes	
DISCUSSION SUMMARY	Chairman Lathrop called the meeting to order at approximately 9 am on April 3, 2019.
ACTIONS TAKEN	Chairman Lathrop asked for a motion to approve the February 6, 2019 FAST Committee meeting minutes. A motion was made by Board Member Allen Moran and seconded by Board Member Mike Alford. The Committee voted unanimously to approve the meeting minutes as provided
2. Cash Balance Update – Evan Rodewald	
DISCUSSION SUMMARY	<p>Cash Balance for February was \$437 million, about the same as at the end of January. The department had achieved the legislative objective of expediting projects by drawing down cash balances, where they are expected to remain below \$1 billion for the foreseeable future.</p> <p>Hurricane Florence and other disasters have accelerated the draw down, causing the department focus to shift from accelerating projects by drawing down cash to sustaining cash above the minimum threshold while advancing projects as much as possible, all while using bond authority.</p> <p>Fiscal and other departmental people have been working with the Treasurer's Office to issue bonds this fiscal year.</p> <p>On April 2, 2019 the \$600 million Garvey sales were approved by the Council of State and the Local Government Commission.</p> <p>The Garvey Bond sale is scheduled to be finalized in early June.</p> <p>The Build NC Sale (at \$300 million) is on the Council of State's agenda for May 7, 2019. The bonds are supposed to be sold by the end of June.</p>
ACTIONS TAKEN	None taken



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

3. Federal Transportation Update and State Transportation Revenue Developments – Susan Howard – AASHTO

DISCUSSION SUMMARY

Ms. Howard gave a brief overview of the FAST Act, when it was implemented and when it will expire. She described the Senate and House approaches to reauthorizing the FAST Act.

FAST Act Reauthorization

- Expires 10/1/20
- Enacted December 2015
- **Hasn't solved long-term** problem of the Highway Trust Fund (HTF) solvency
- Rely on general fund transfers
- It is expected to run out of revenue in 2021

Senate Approach

- **Asked senators to submit priorities and "fixes" by 4/5/19**
- Their goal is to have topics to consider in committee before the August recess
- **Other committees will have a role in the Senate's part**

House Approach

- The House is waiting on a leadership decision on how they should proceed
- They have decided that new revenue will pass through existing formulas
- **Chairman DeFazio doesn't promote one approach, he has 4 goals**
 1. Gasoline/Diesel Tax indexation
 2. Spend down the Harbor Maintenance Trust Fund balances
 3. Increase passenger facilities charges for airport infrastructure
 4. Reauthorize Clean Water State Revolving Fund

Federal Hot Topics

- Several recent events have overshadowed the FAST Act reauthorization

State Transportation Revenue Developments

- Thirty-one states have enacted state-level packages since 2012 while twenty states have a variable-rate gas tax that adjusts with inflation without legislative action.

State Transportation Revenue: Vehicle or Fuel-Based

- Other states generate revenue that are vehicle or fuel-based, such as enacting sales taxes on motor fuels, alternative fuels, motor vehicle and rental car sales tax, vehicle registration, license, or title fees, vehicle or truck weight fees, or fees on plug-in hybrid or hybrid electric vehicles.

State Transportation Revenue: Non-Vehicle

- Still others generate non-vehicle revenue from such things as outdoor ads, rest area **sponsorship, revenue sharing (rest area food/fuel concessions), "sin taxes"** (cigarettes, wholesale liquor, casinos), or hotel fees.

State Transportation Revenue: Other

- There are some states who derive revenue from completely different sources; energy-based fees, natural resource-based fees, emission inspection fees, studded tire fees, sales tax on motor lubricants, and railroad/airline property taxes.



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

4. **Funding NC's Moving Future: Guidelines for Developing an Adequate and Fair Transportation Funding System** – Patrick McHugh

DISCUSSION SUMMARY

Mr. McHugh's presentation was an overview on how to finance a state transportation system

Core Principles for Transportation Finance

- Adequate – **building a viable system that supports NC's economy**
- Equitable – **people's ability to pay, the services being rendered, who is paying, and who is benefitting**
- Sustainable – environmentally, economically, and fiscally

Inflation Outpacing Efficiency Gains

- The rising cost of construction has impacted the fiscal aspect of state and federal construction more than fuel efficient vehicles.
- Electric and hybrid vehicles are a small part of the population of vehicles owned

Recommendation: No rush to jettison gas tax

- There are benefits to the gas tax, i.e. it is still a viable funding source, it internalizes the economic and fiscal costs of fossil fuels, and it accounts for the wear and tear caused by larger vehicles.

Recommendation: Explore layering gas and usage taxes

- Both counter the costs of urban sprawl
- Reduces the fiscal uncertainty caused by gradual transition
- Usage taxes bring up concerns such as privacy

Recommendation: Give drivers choices to balance cost and privacy

- Benefits of tracking technology:
 1. Lower admin costs
 2. Increase compliance
 3. Facilitate policy nuance
- Pass along admin cost savings to drivers who are willing to use more intrusive technologies to track mileage

Recommendation: Increasing fees on hybrids and electric vehicles won't fix the problem

- These vehicles still represent a small share of the market
- Misses other technologies that are improving efficiency
- Many hybrids and electric vehicles cause less wear and tear
- Increasing fees on luxury vehicles are a better alternative for generating revenue than targeting a particular class of driver or vehicle

Many Rural Residents Increasingly Separated from Employment

- When considering a gas tax or a vehicle miles tax it should be recognized that many rural residents of NC are unable to find jobs near their homes
- This impacts many lower-income employees
- This scenario forces these people to either move or drive further/longer for employment
- When building a transportation system, it is important to keep these factors in mind



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

	<p>Low-Income Metro Residents Increasingly Separated from Employment</p> <ul style="list-style-type: none"> • The rising house prices are forcing more and more people to move further away from urban areas and in effect their jobs • People with lower-income jobs are the most impacted by this • If a transportation system built solely on taxes generated by miles traveled, it will negatively impact these people <p>Recommendation: Provide gas/usage relief to low-income drivers</p> <ul style="list-style-type: none"> • When considering usage fees, it should be remembered that this type of revenue generation will have a higher impact on lower-income people, requiring them to spend a larger part of their income on said fee. <p>Recommendation: Address financial hardship created by toll roads</p> <ul style="list-style-type: none"> • Limit use of toll roads • Use some toll revenues to increase transit options within impacted corridors • Incentivize low-income housing near employment centers and transit routes <p>Recommendation: Keep transportation and general fund revenues separate</p> <ul style="list-style-type: none"> • NC is at a historic low regarding sharing personal income through the general fund
5. Principles in Modernizing Transportation Revenues – Joe Coletti	
DISCUSSION SUMMARY	<p>Mr. Coletti spoke about successfully continuing to fund transportation systems in the current atmosphere.</p> <p>You Cannot Win a War with Math</p> <ul style="list-style-type: none"> • NC has \$600 million less than is needed for maintenance of roads and bridges each year • This requires the state to spend 46% more to meet the existing needs, before adding new const • The Procedural Transportation Improvement Plan showed that there are \$53 billion in projects to be done by 2027, but on \$9 billion are available to fund it. • Build NC only provides another \$3 billion towards that cost • The federal gas tax would need to be increased by \$3/gallon to cover the needs for the interstate system. <p>Funding Principles</p> <ul style="list-style-type: none"> • Identify the Core Needs and how to pay for them <ol style="list-style-type: none"> 1. Want vs. Need on the side of necessity 2. Weight vs. Mileage on the side of users • This can become an issue of the poor subsidizing the rich. <p>Questions on Pricing</p> <ul style="list-style-type: none"> • Revenue generated from high occupancy tolls • ALL vehicles, regardless of whether it is an electric or hybrid vehicle causes wear and tear on roads and therefore owners should also bear burden of costs of repair and maintenance



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

	<ul style="list-style-type: none"> • Who uses the road vs. who drives an electric/hybrid vehicle and determining how to subsidize those individuals. • NC has a higher gas tax than surrounding states • Raising gas taxes will jeopardize the revenue generated from it • Individuals who use the system should be subsidized instead of subsidizing the system itself.
ACTIONS TAKEN	None taken

6. Meeting Adjourn – Chairman Tony Lathrop	
DISCUSSION SUMMARY	Chairman Lathrop adjourned the meeting at 10:45am
ACTIONS TAKEN	Adjournment



FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE AGENDA

BOARD OF TRANSPORTATION
JUNE 6, 2019

TIME: To begin following the adjournment of the June 6, 2019 full Board meeting.

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Meeting Minutes Update · Approval of April 2019 meeting minutes	Tony Lathrop, Chair	5 Minutes
NC FIRST Commission Recap	Tony Lathrop, Chair	10 Minutes
Revenue Forecast Update and User Pays Update	Burt Tasaico	20 Minutes
NCGA Budget Update and GARVEE/ BUILD NC Update	Evan Rodewald	10 Minutes
Discussion of Efforts to Support the Work of the NC First Commission: 1. NC Chamber 2. NC GO! 3. Regional Transportation Alliance (RTA)	Gary Salamido, Chief Operating Officer & Acting President, NC Chamber; President, NC Chamber Legal Institute Mark Finlayson, Chair, NC GO! Joe Milazzo, Executive Director, RTA	30 Minutes
Adjourn	Tony Lathrop, Chair	Adjourn



NORTH CAROLINA

Department of Transportation

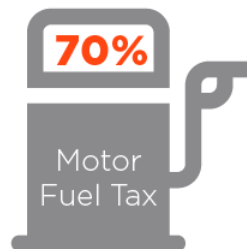
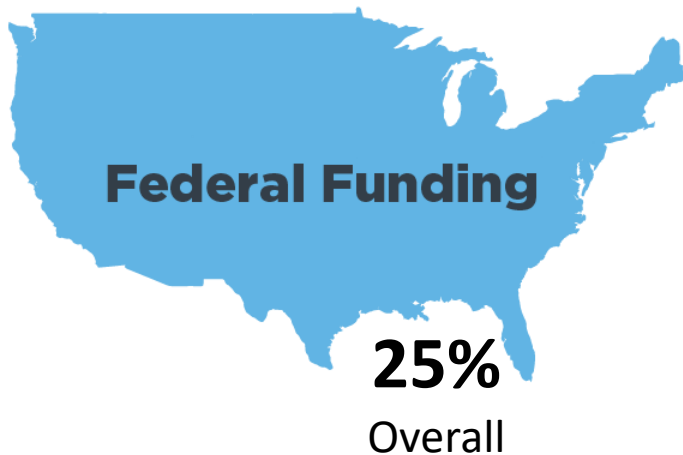
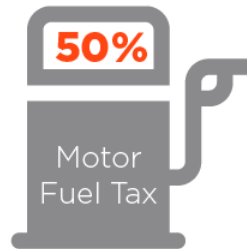
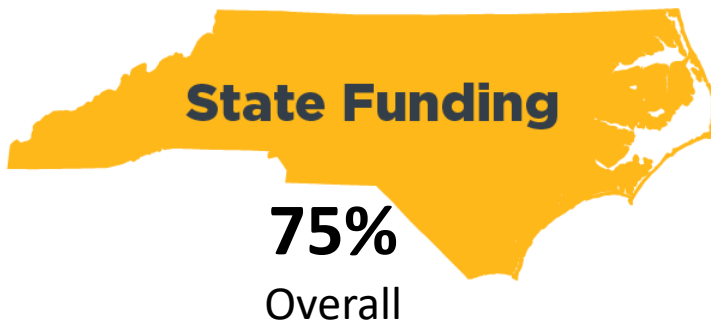


Revenue Update

H. Tasaico

June 6, 2019

Transportation Revenues



Revenue Model - Variable and Data Sources

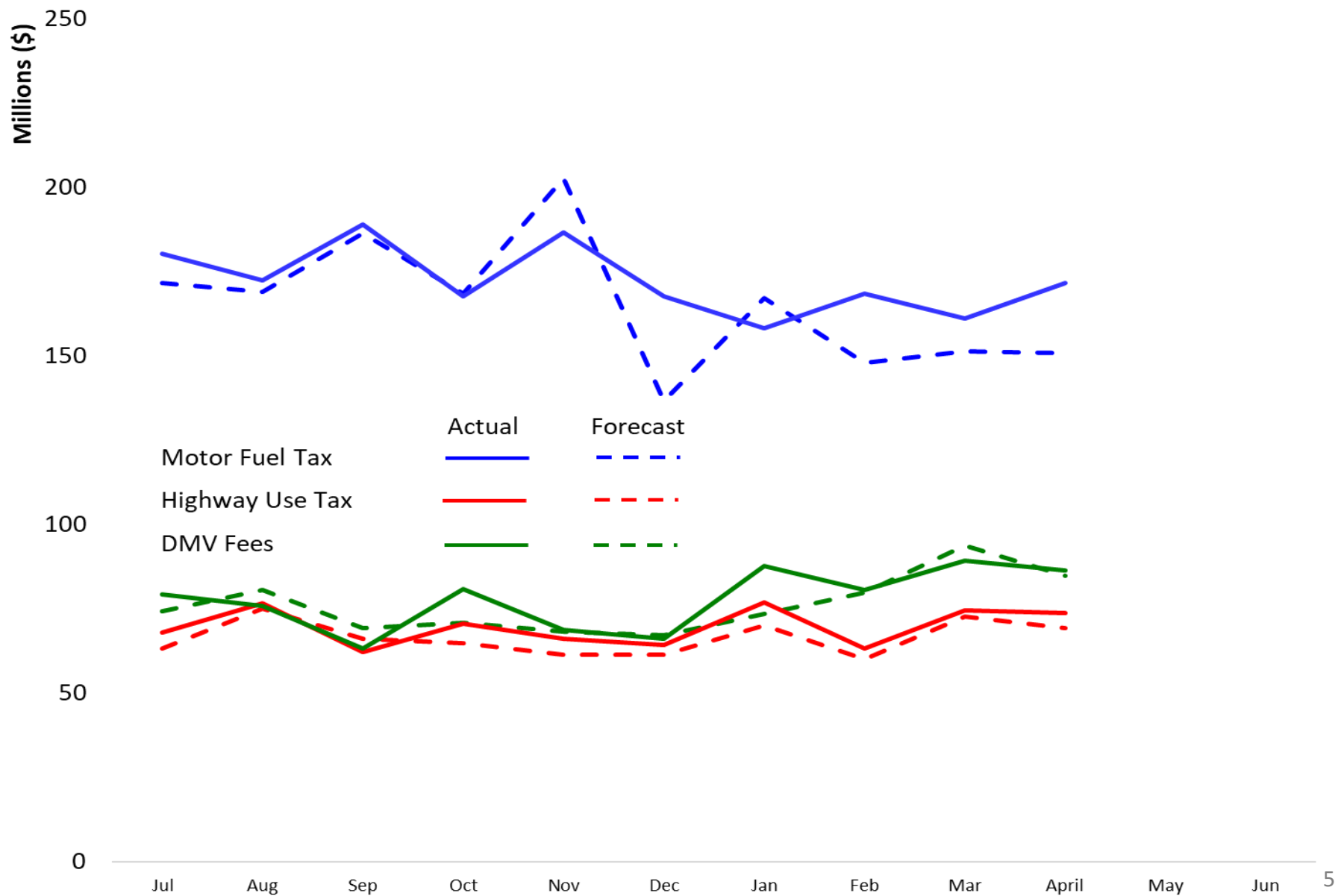
Source	Variables	Data Sources
Motor Fuel Tax	Rate	<ul style="list-style-type: none"> Population – OSBM Demographics CPI-Energy – Global Insight Legislative
	Fuel Consumption*	<ul style="list-style-type: none"> In-House Model
DMV Fees	Rate	<ul style="list-style-type: none"> General Statute
	Transactions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

* SAS Model Enhancements

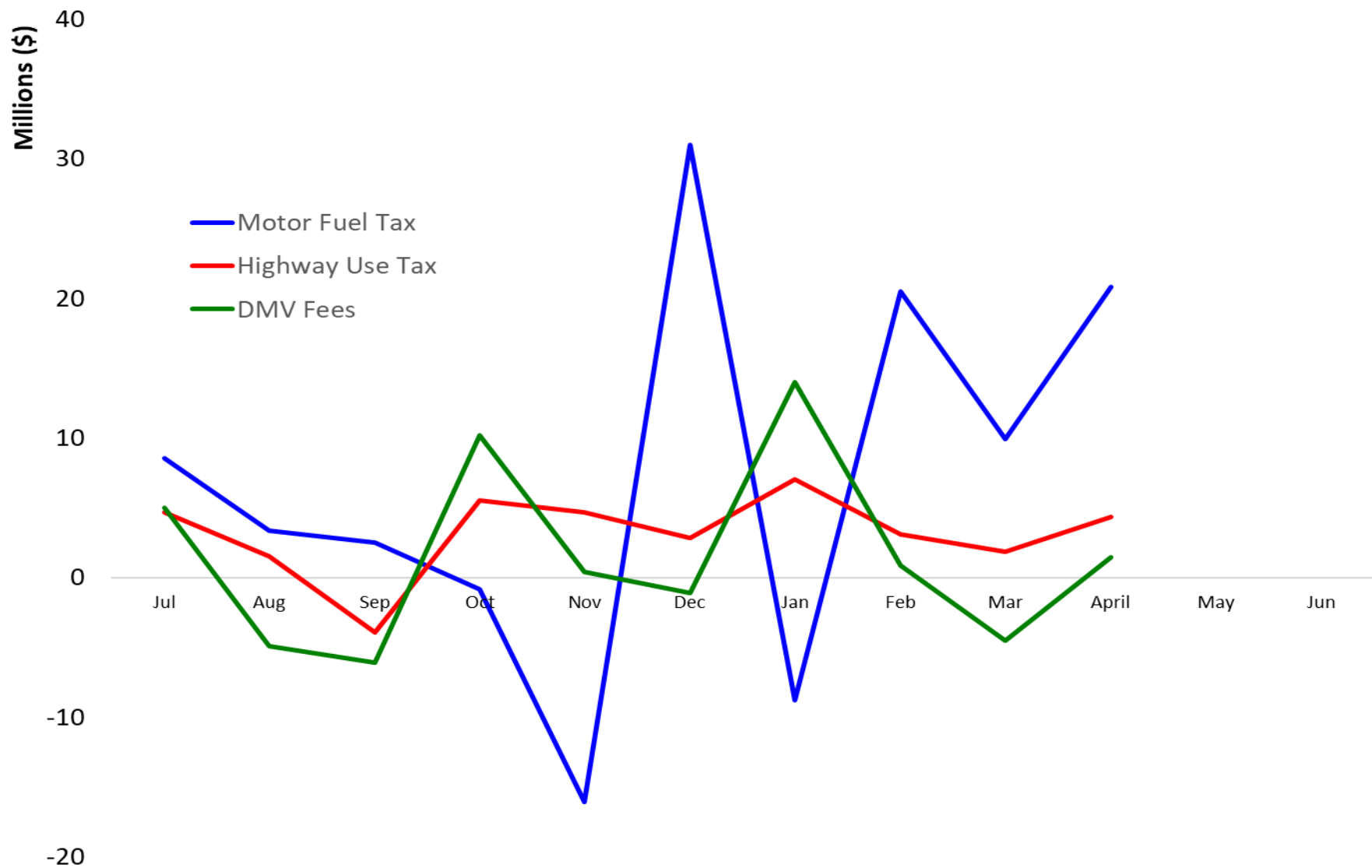
SFY 2019 Forecast Cycle



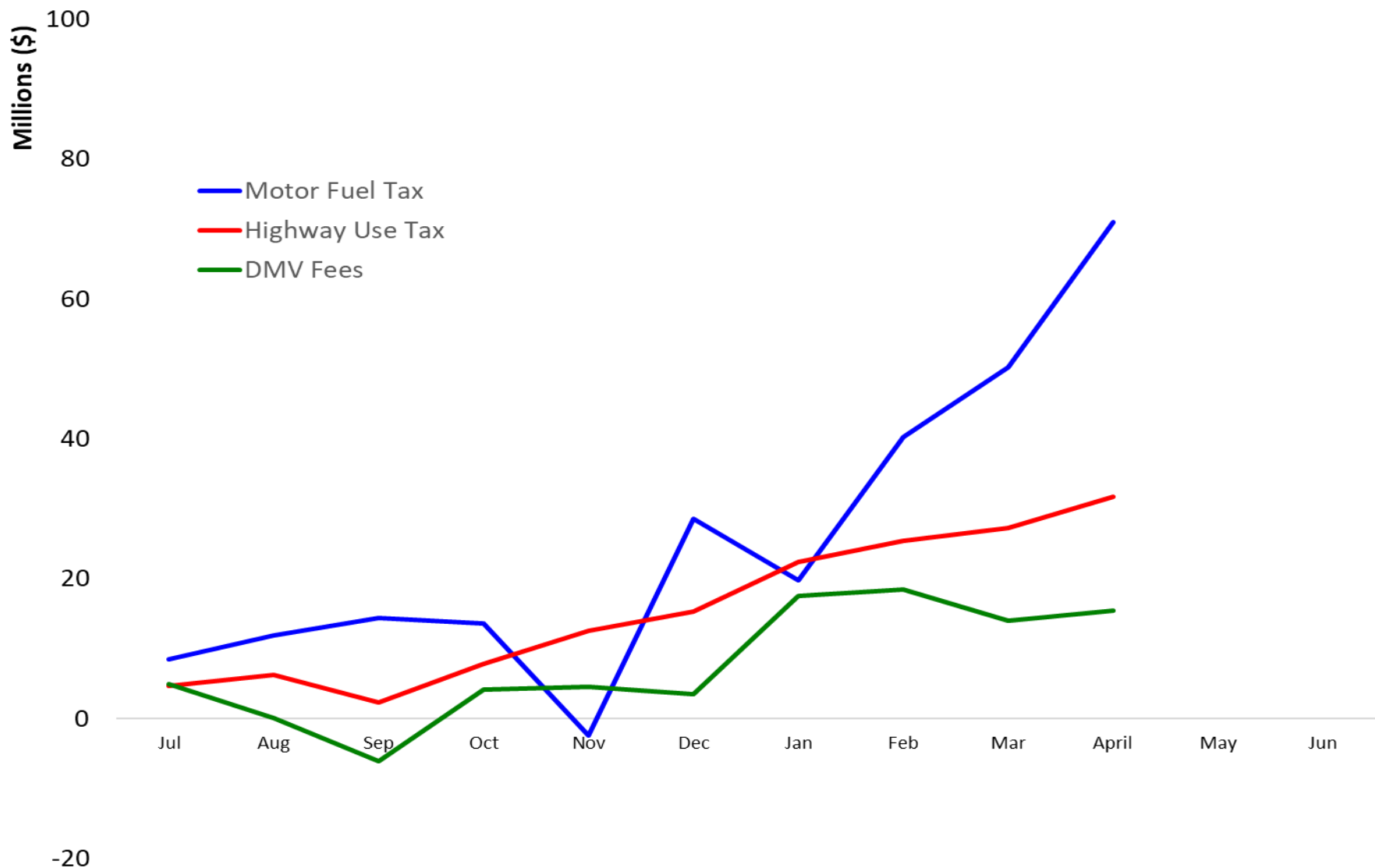
SFY 2019 – Monthly Comparison



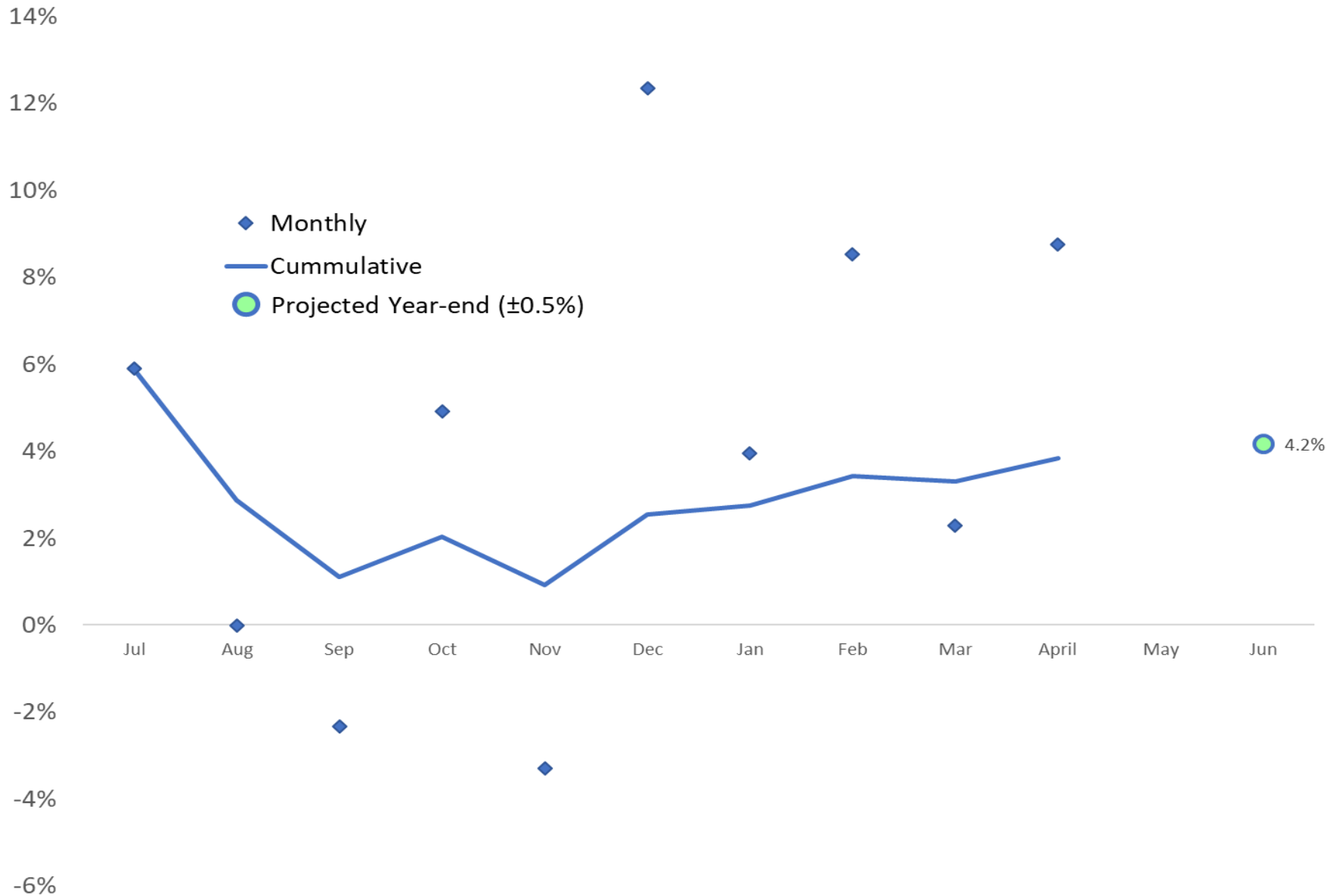
SFY 2019 – Monthly Difference



SFY 2019 – Monthly Cumulative Difference



SFY 2019 – Monthly & Cumulative Comparison





HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 4/3/2019 TIME: 1:30 PM – 2:00 PM LOCATION: Room 150

MEETING CALLED BY	Chairman Tarleton
BOARD ATTENDEES	Jack Debnam, Grady Hunt, Patrick Molamphy, Gus Tulloss, Michael Wells, Andrew Perkins, Jr., Sam Bowles

AGENDA TOPICS

1. APPROVAL OF FEBRUARY 2019 MINUTES	
DISCUSSION SUMMARY	Motion to approve the February minutes made by Member Debnam, seconded by Member Tulloss.
ACTIONS TAKEN	Motion to approve the February minutes as written passed unanimously.
2. BRIDGE PRESERVATION UPDATE, MR. KEVIN FISCHER, PE, NCDOT STRUCTURES MANAGEMENT UNIT, ASSISTANT STATE STRUCTURES ENGINEER – PEF COORDINATION, PROGRAM MANAGEMENT, AND FIELD OPERATIONS	
DISCUSSION SUMMARY	<p>Mr. Kevin Fischer, Assistant State Structures Engineer – PEF Coordination, Program Management and Field Operations of the NCDOT Structures Management Unit, provided a presentation about the Bridge Preservation Program. NCDOT received \$280M in FY17-18 and \$272M in FY18-19 for the Bridge Program to improve deficient bridges and \$80M in FY17-18 and \$82M in FY18-19 to preserve or rehabilitate bridges to good condition under the Bridge Preservation Program. Over the last three years, NCDOT has replaced 300-350 bridges with about 200-250 additional bridges being added to the list. The Bridge Preservation Program is being used to extend the life of existing bridges. The dollars received are being split roughly in half between primary and secondary bridges. The goal for deficient bridges is to be less than 10% Statewide, with interstate routes at less than 2% (currently 3%), primary routes at less than 6% (currently 8%), and secondary routes at less than 15% (currently 14%).</p> <p>The Department has focused on the preservation of high value bridges. There are 204 high value bridges that have a total replacement cost of \$9B, with individual replacement costs ranging from \$20M to \$400M. It is estimated that \$400M is needed to maintain the high value bridges in good condition.</p> <p>The Barbee Bridge to Oak Island on NC 133 over the Intracoastal Waterway was built in 1972 and is a good example of how rehabilitating an existing structure may be more cost effective than replacing it. Its rehabilitation needs include</p>



HIGHWAYS COMMITTEE MEETING MINUTES

	<p>replacement of the low water concrete beams, overlay of the bridge deck, add bicycle safe barrier rail and perform miscellaneous concrete repairs. The current estimated replacement cost is \$93.2M. The cost to rehabilitate the Barbee Bridge is \$15.8M, which will extend the life of the bridge by 50 years.</p> <p>The I-26 bridges over the Green River Gorge consists of dual bridges that were built in 1968. Their current condition is poor and obsolete. The estimated replacement value of the bridges is \$60M. The preservation project cost is \$14M. The preservation needs of the I-26 bridges include the construction of a new bridge deck (widen and connect the existing bridges), installation of new barrier rails, repair and paint steel, and upgrade foundations. The results of the preservation project will be the restoration of the bridges to good condition and the extension of the bridge life by 50+ years. Also, the bridges will no longer be obsolete. The Green River Gorge bridge project is estimated to take 2 years to complete.</p> <p>The Bridge Preservation Program is a priority to the Department as it maintains our bridges in good condition while extending the service life of the structures and has the lowest life cycle cost.</p>
ACTIONS TAKEN	



HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION JUNE 5, 2019

TIME: 2:10 PM – 3:10 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Approval of April 3, 2019 Meeting Minutes	Cullie Tarleton, Chairman	2:10 pm
Division 1 Outer Banks Bridge Projects	Jerry Jennings, P.E., Division Engineer, NCDOT Division 1	2:15 pm
Safety Evaluation Program	Kevin Lacy, P.E., State Traffic Engineer, NCDOT Transportation Mobility and Safety	2:40 pm
Other Discussion	Cullie Tarleton, Chairman	3:05 pm
Adjourn	All	3:10 pm



NORTH CAROLINA Department of Transportation



North Carolina Safety Countermeasure Evaluations

Kevin Lacy, PE

NCDOT Highway Committee Meeting – June 5, 2019

2017 Crash Facts – Statewide Summary

NORTH CAROLINA



<u>Reportable</u>	2013		2014		2015		2016		2017		5 Year Avg.	
	<u>Crashes</u>	<u>Injuries</u>	<u>Crashes</u>	<u>Injuries</u>	<u>Crashes</u>	<u>Injuries</u>	<u>Crashes</u>	<u>Injuries</u>	<u>Crashes</u>	<u>Injuries</u>	<u>Crashes</u>	<u>Injuries</u>
Fatal	1,158	1,260	1,181	1,277	1,273	1,380	1,340	1,441	1,287	1,396	1,248	1,351
Non Fatal Injury	69,547	108,436	71,029	110,525	78,857	123,589	82,603	130,137	81,865	127,964	76,780	120,130
PDO	149,566		154,342		171,508		183,551		191,915		170,176	
Total	220,271	109,696	226,552	111,802	251,638	124,969	267,494	131,578	275,067	129,360	248,204	121,481

General Information

Population (2016)	9,535,688
Registered Vehicles (2016)	9,009,663
Estimated Avg. Annual Miles Traveled (100 MVMT) (2016)	1,164.37

Time To Next....

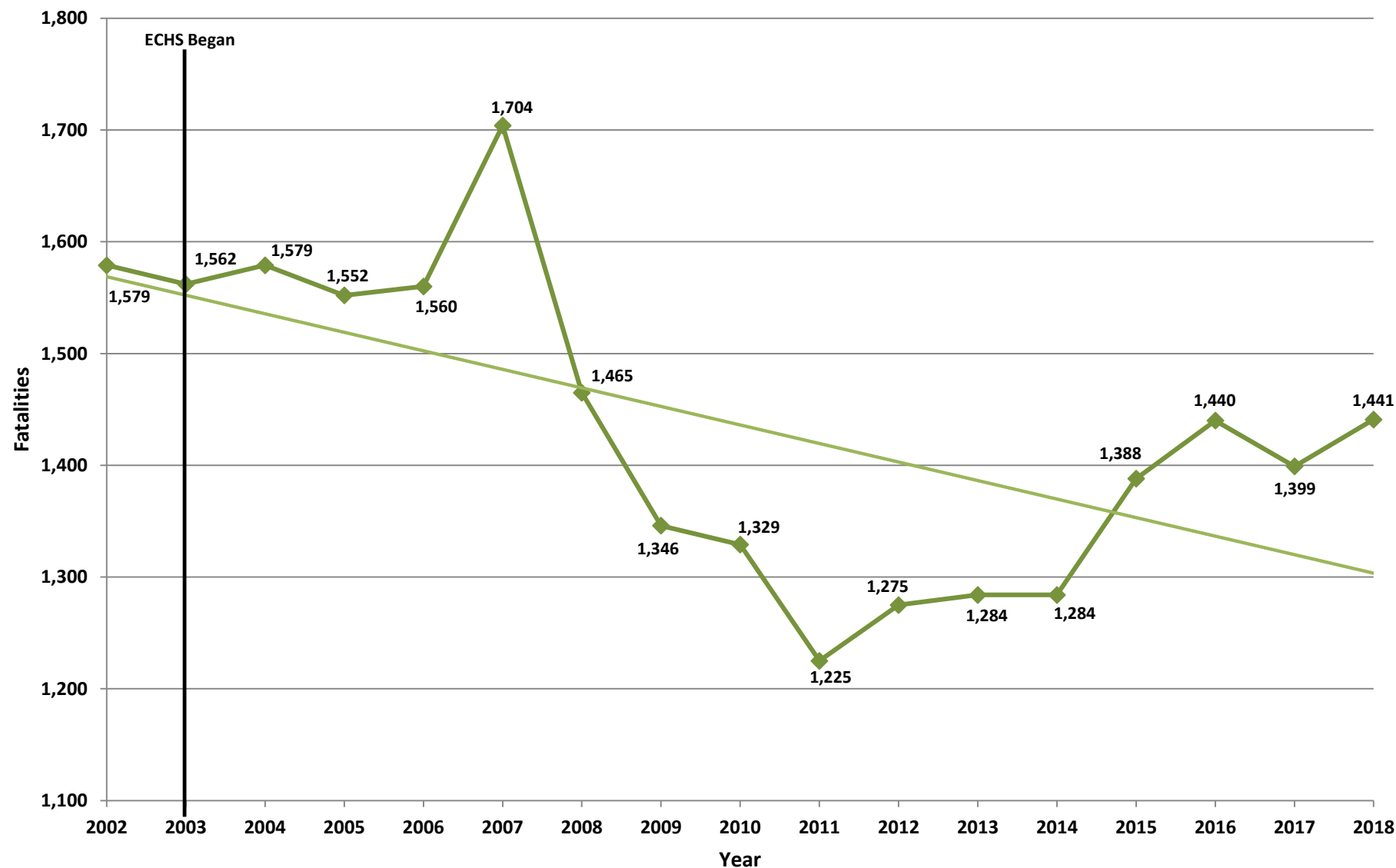
Crash	0.0 Hours
Fatal Injury	6.1 Hours
Injury	0.1 Hours
Crash Cost Per Hour	\$3,126,006

\$\$ Comprehensive Crash Cost \$\$

(Based on a 3 Year Average of All Reported Crashes in 2016 Dollars)

Average Annual Cost	\$27,383,809,000
Average Cost Per Crash	\$77,642
Average Cost Per Person	\$2,872
Average Cost Per Vehicle	\$3,039
Average Cost / 100 Miles Traveled	\$23.52

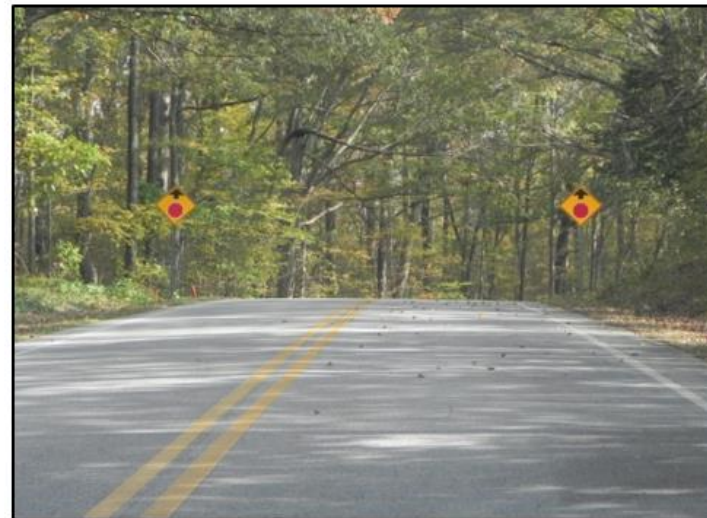
North Carolina Fatalities Trends Since 2002



NC HSIP

The Purpose of the NC Highway Safety Improvement Program

- Implement Effective Safety Projects
 - Reduce Fatalities and Injuries
 - Maximize Value (lower cost with high returns)
 - Get Safety Projects “On the Ground”

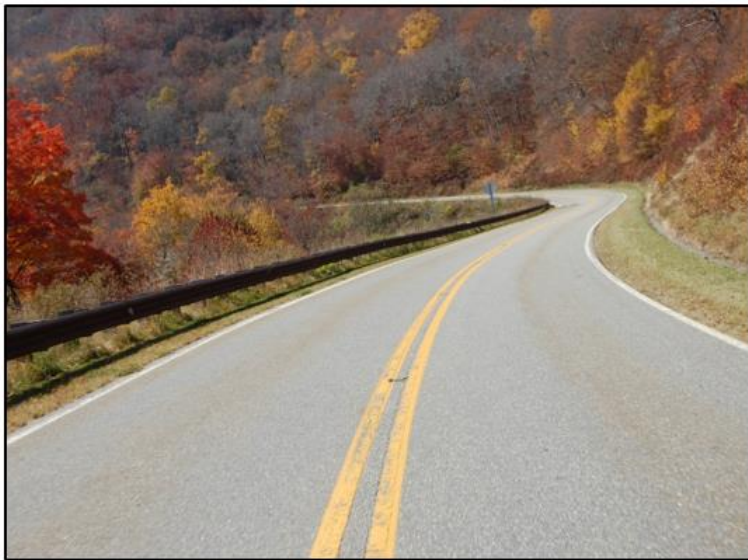


NC HSIP



NC HSIP

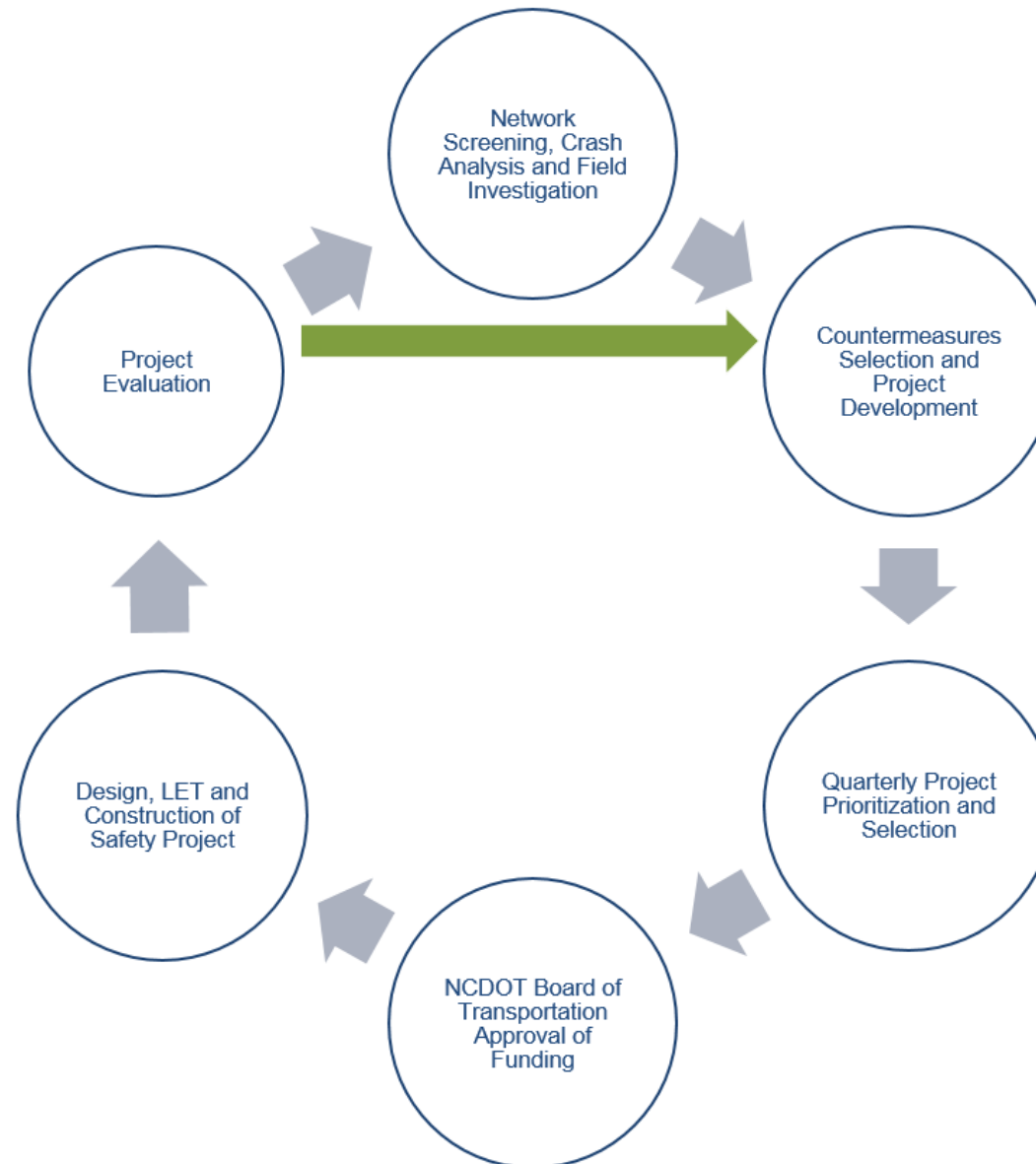
- Most safety projects originate from using crash data to identify patterns or from fatal crash investigations
- Projects also come from citizens reporting concerns...
- And Safety Partners participating in the process



Typical Safety Projects

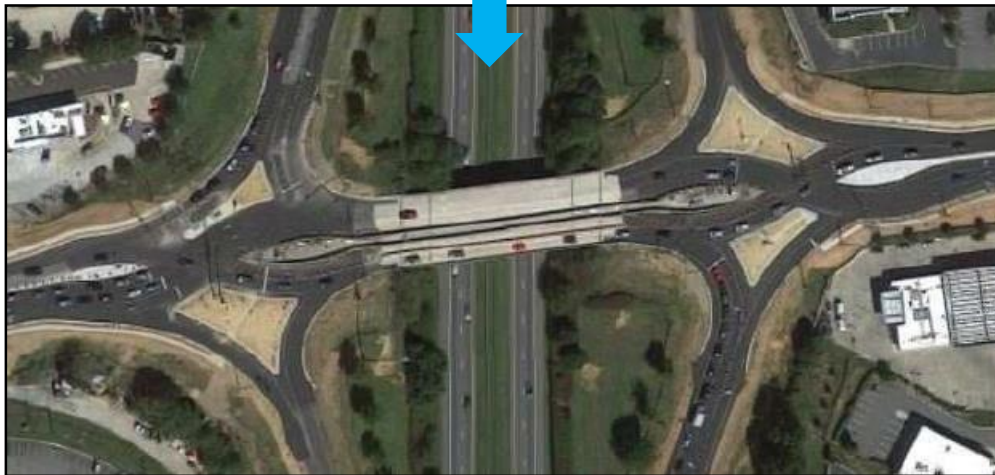
- Intersection Improvements
 - Traffic Signals (new & upgrades)
 - Roundabouts
 - All Way Stops
 - Turn Lanes
 - Channelization
 - Pedestrian Refuge Islands
- Corridor Improvements
 - Median Modifications / Left-Overs / Super Street Configurations
 - Shoulder and Lane Widening
 - Guardrail and Roadside Hardware
 - Rumble Strips
 - Curve Improvements
- Systemic Features
 - Long Life Pavement Markings, Median Barrier, Flashing Yellow Arrows

Spot Safety Project Cycle



Diverging Diamond Interchange

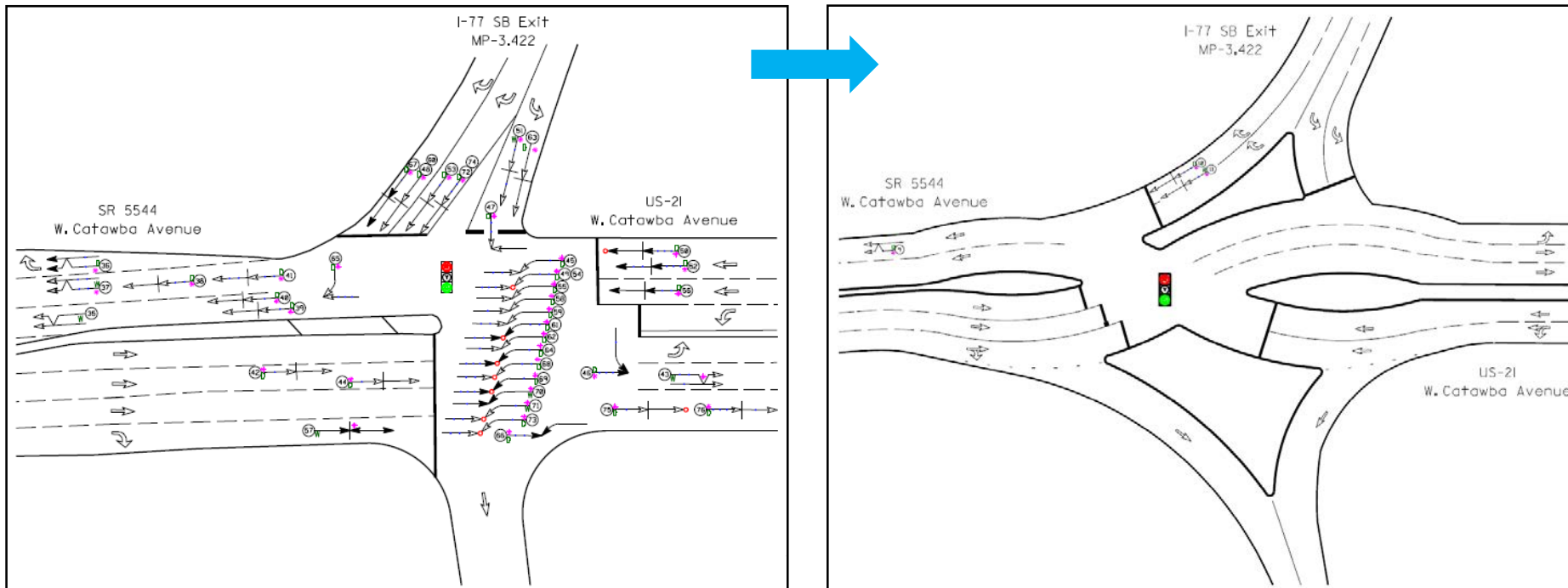
US 21 / SR 5544 (Catawba Avenue) at I-77 Interchange (Exit 28)



Diverging Diamond Interchange

US 21 / SR 5544 (Catawba Avenue) at I-77 Interchange (Exit 28)

- Before to After – Southbound Ramp Terminal

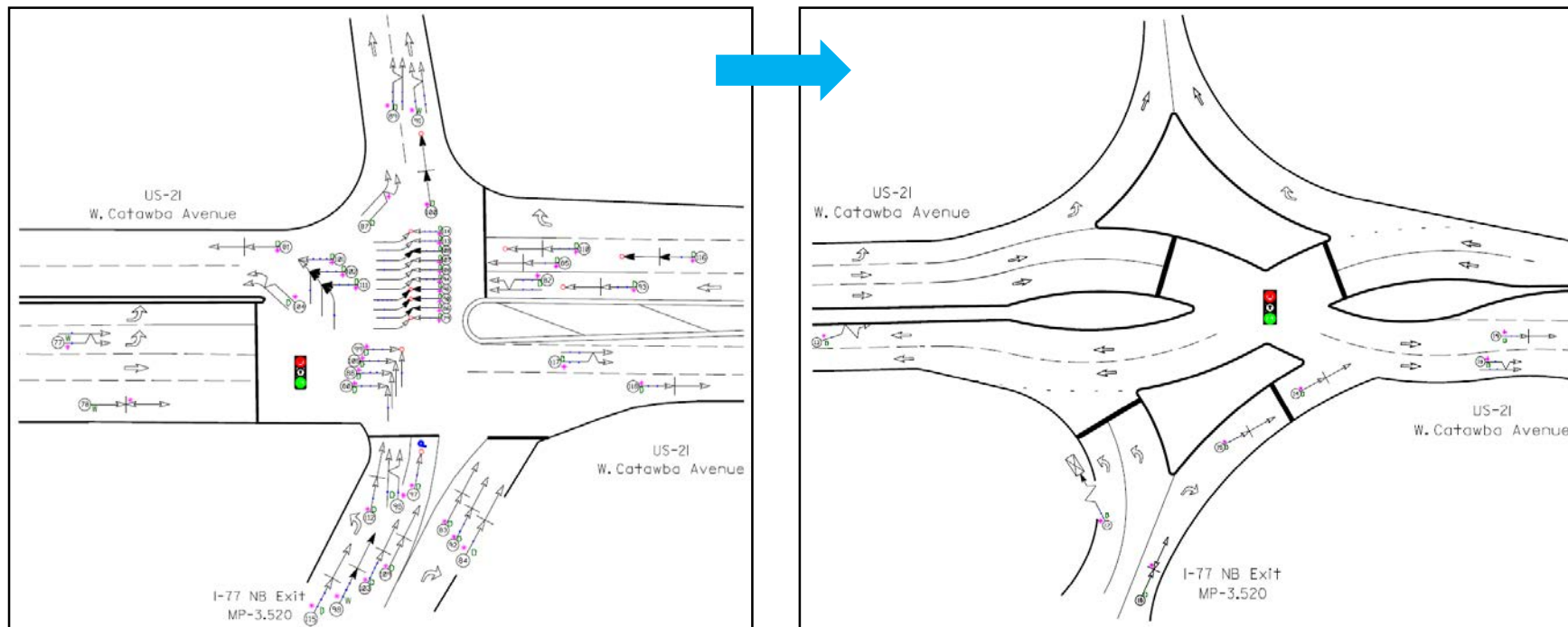


<u>Treatment Information</u>	Before 3.0 Yrs	After 0.83 Yr	Percent Reduction (-) Percent Increase (+)
Int-2: Southbound I-77 Ramp Terminal	42	3	N/A
Intersection-2 Crashes per Year	14.0 CPY	3.6 CPY	- 74.3 %

Diverging Diamond Interchange

US 21 / SR 5544 (Catawba Avenue) at I-77 Interchange (Exit 28)

- Before to After – Northbound Ramp Terminal



<u>Treatment Information</u>	Before 3.0 Yrs	After 0.83 Yr	Percent Reduction (-) Percent Increase (+)
Int-3: Northbound I-77 Ramp Terminal	42	7	N/A
Intersection-3 Crashes per Year	14.0 CPY	8.4 CPY	- 40.0 %

Raised Median and Channelization

US 401 (Ramsey Street) from Country Club to Farmers



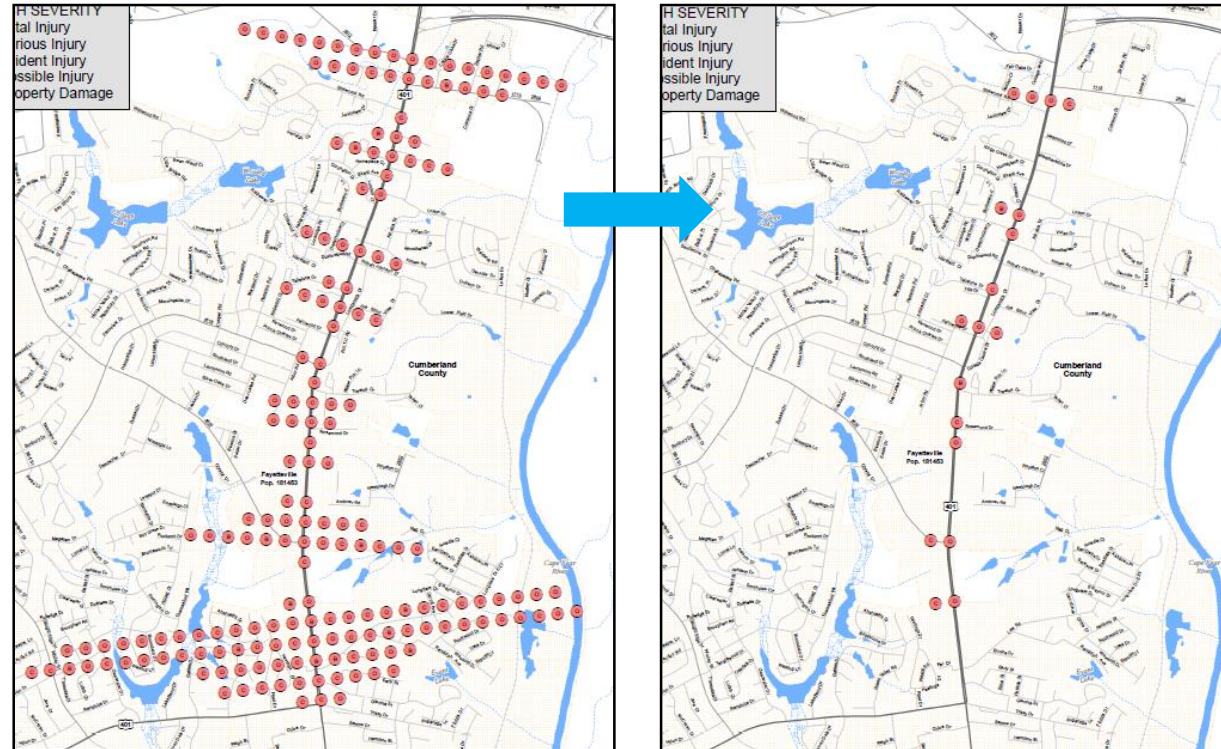
- Naïve Before and After Data Summary (3.25 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	823	566	- 31.2 %
Total Severity Index	3.94	3.31	- 16.0 %
Target Crashes	181	18	- 90.1 %
Target Crash Severity Index	4.31	4.29	- 0.5 %
Volume (2009, 2014)	39,100	34,600	- 11.5 %

Raised Median and Channelization

US 401 (Ramsey Street) from Country Club to Farmers

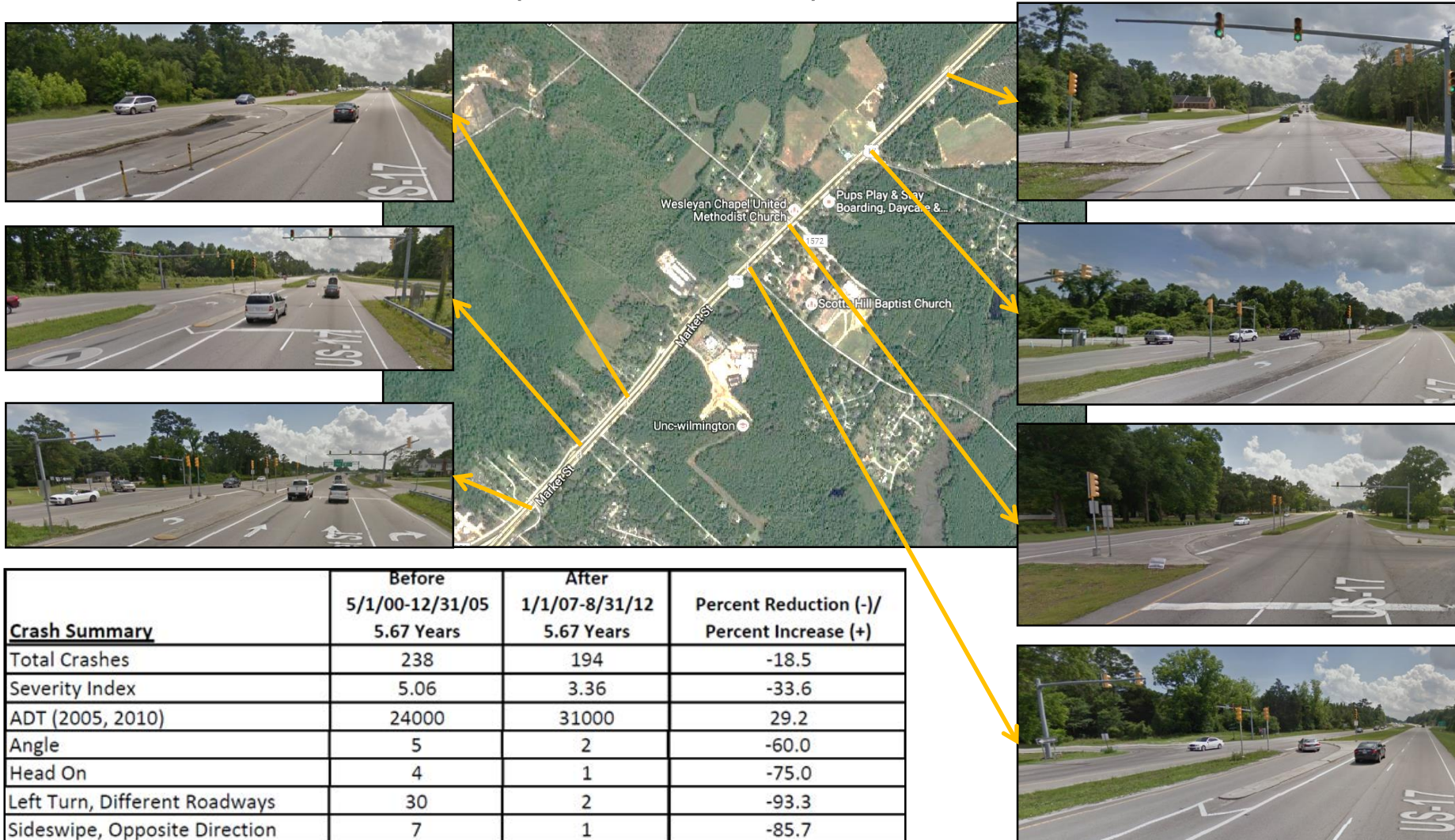
- Before to After



<u>Target Crash Type Analysis</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Intersection Left – Concrete After	40	0	- 100.0 %
PVA Left – Concrete After	100	0	- 100.0 %
Center Turn Lane – Rear-End	12	0	- 100.0 %
Center Turn Lane - Sideswipe	19	0	- 100.0 %
Median Crossover – Lane Departure	6	5	- 16.7 %
U-Turn at Authorized Location	4	11	100+ %
U-Turn – Across Median (Unauthorized)	0	2	100+ %

Synchronized Street

US 17 from SR 1400 (Futch's Creek) to North of SR 1571



Directional Crossover

US 1 at Tramway Crossing Shopping Center



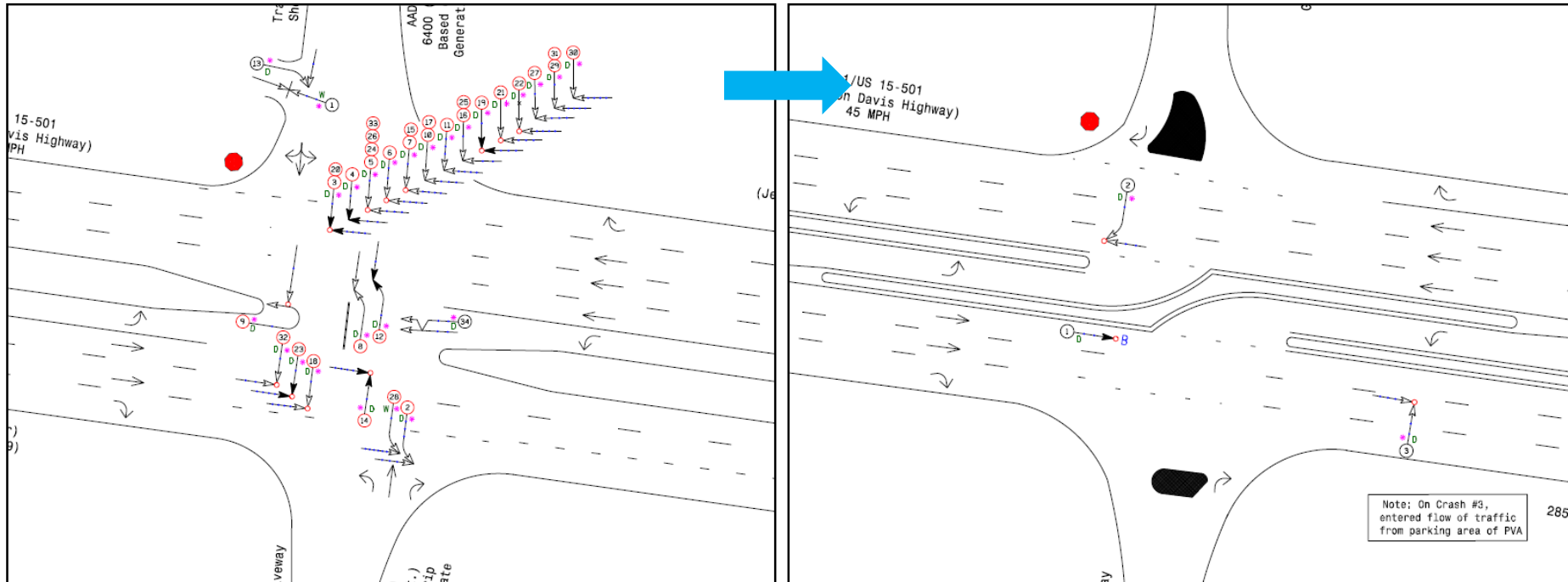
- Naïve Before and After Data Summary (4.08 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	34	3	-91.2%
Total Severity Index	4.7	8.4	+78.7%
Target Crashes	31	0	-100.00%
Target Crash Severity Index	5.1	0.0	-100.00%
Volume (2009, 2013)	33,600	33,100	-1.5%

Directional Crossover

US 1 at Tramway Crossing Shopping Center

- Before to After



Reverse Directional Crossover

US 70 at SR 1719 (Beston Road)



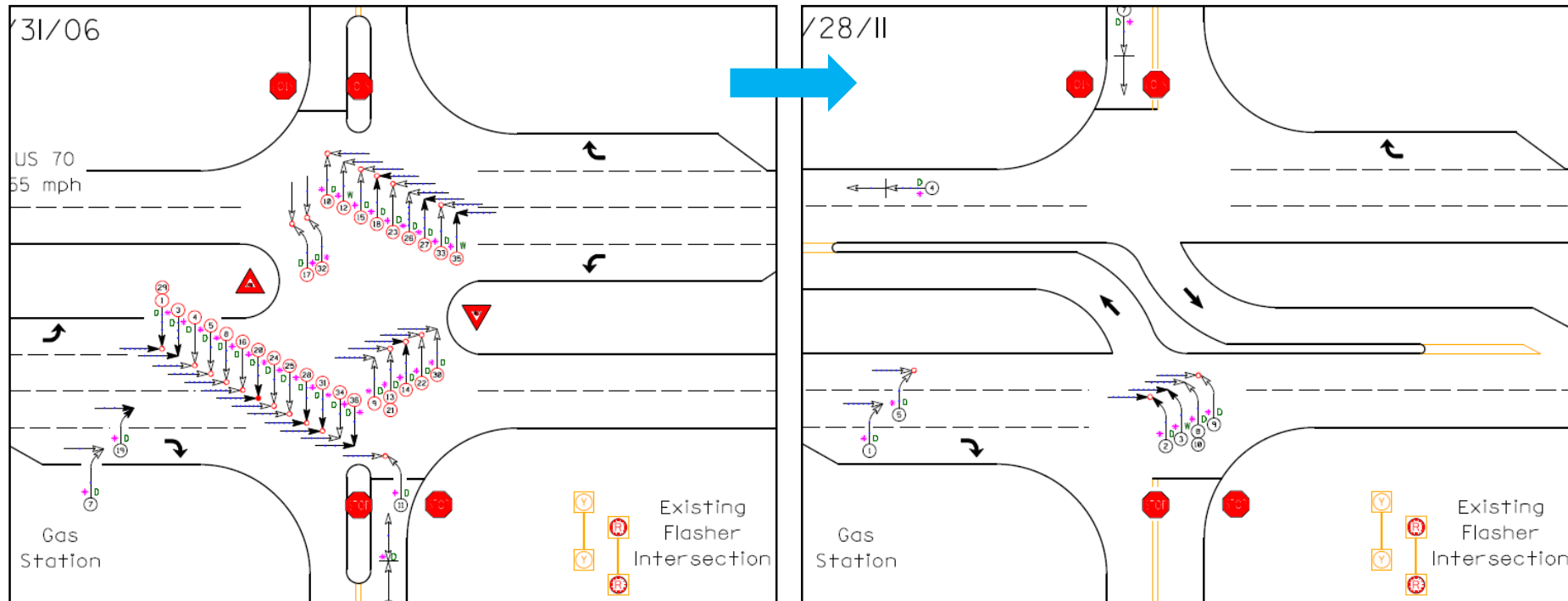
- Naïve Before and After Data Summary (3.92 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	36	10	- 72.2 %
Total Severity Index	11.43	3.22	- 71.8 %
Target Crashes	31	0	- 100.0 %
Target Crash Severity Index	12.87	0.00	- 100.0 %
Volume (2005, 2009)	20,450	17,800	- 13.0 %

Reverse Directional Crossover

US 70 at SR 1719 (Beston Road)

- Before to After



Roundabout

SR 2200 (Gaston Day School) at SR 2445 (Kendrick)



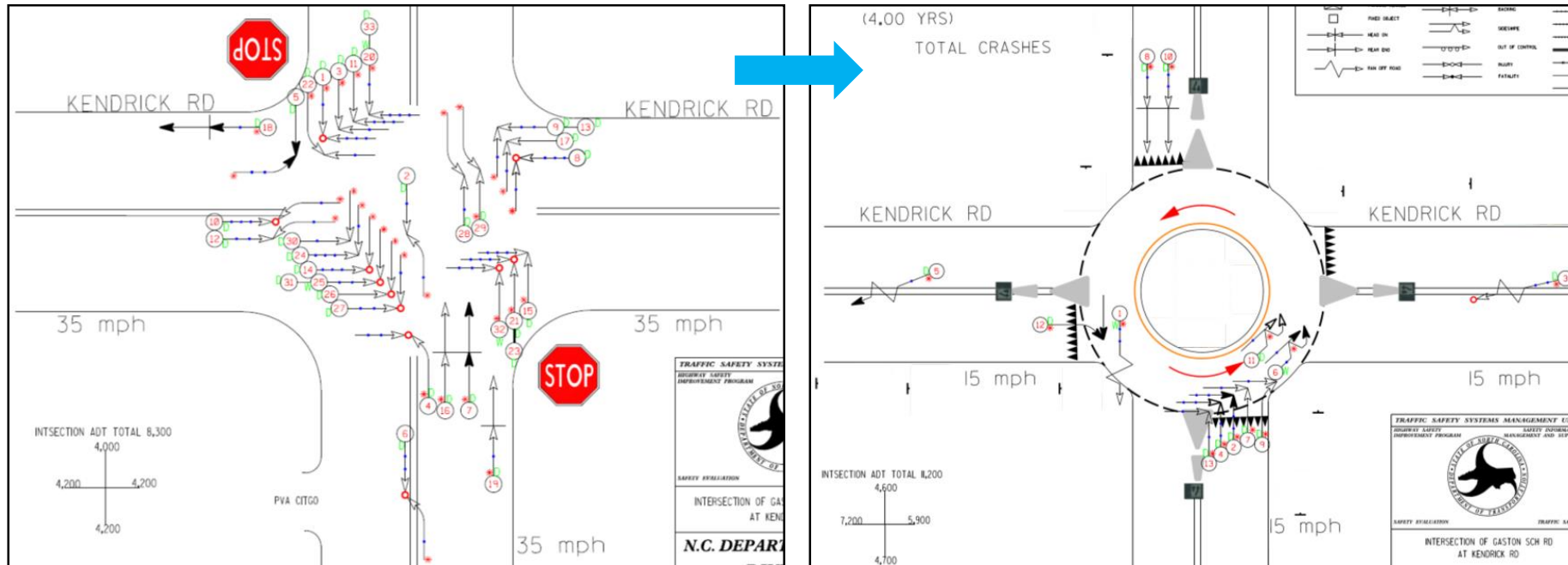
- Naïve Before and After Data Summary (4.00 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	33	13	- 60.6 %

Roundabout

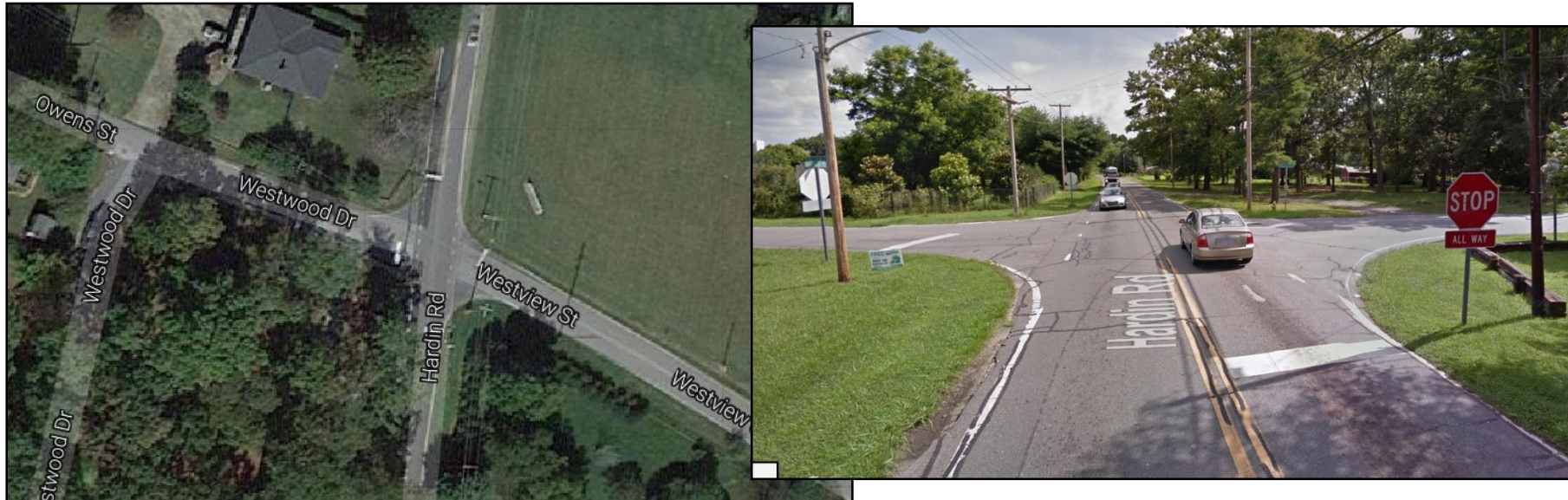
SR 2200 (Gaston Day School) at SR 2445 (Kendrick)

- Before to After



All Way Stop

SR 2178 (Hardin Road) at Westview Street/Westwood Drive



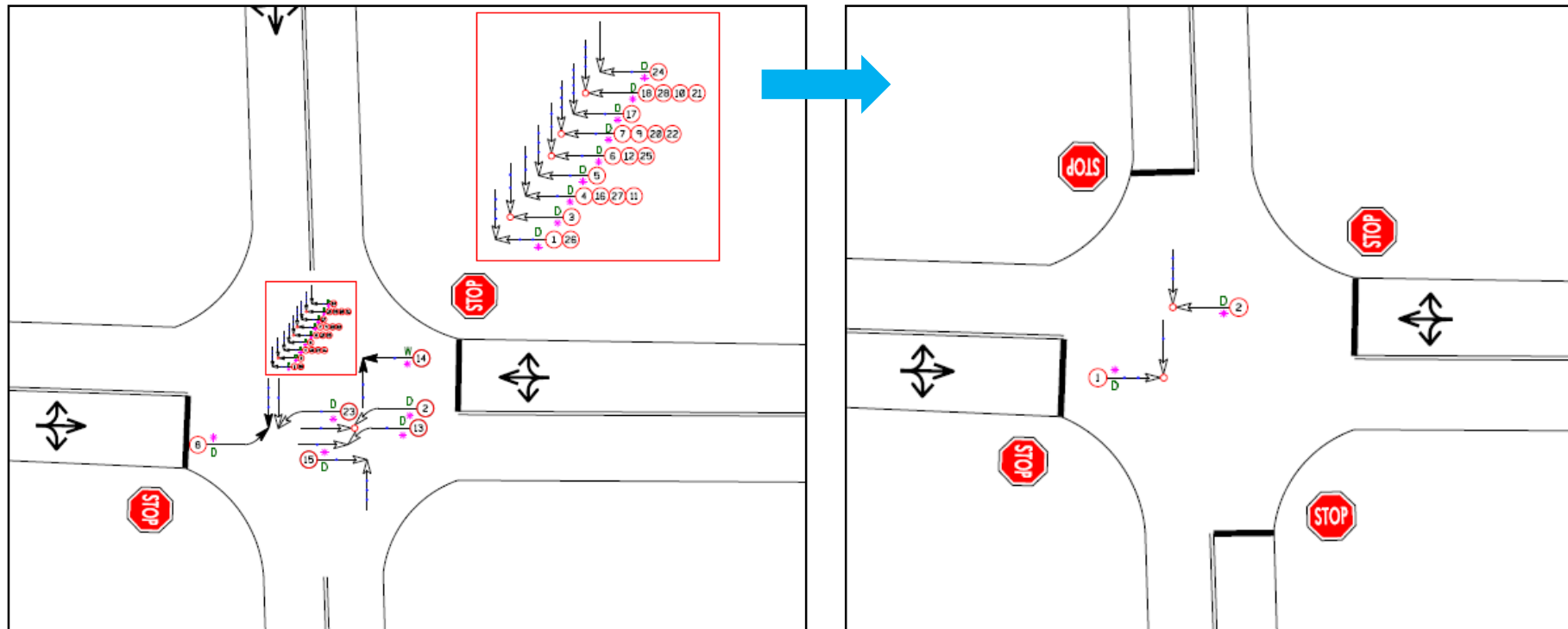
- Naïve Before and After Data Summary (4.33 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	28	3	- 89.3 %
Total Severity Index	4.17	5.93	+ 42.2 %
Target Crashes	27	2	- 92.6 %
Target Crash Severity Index	4.29	8.40	+ 95.8 %
Volume (2007, 2011)	6,700	6,000	- 10.4 %

All Way Stop

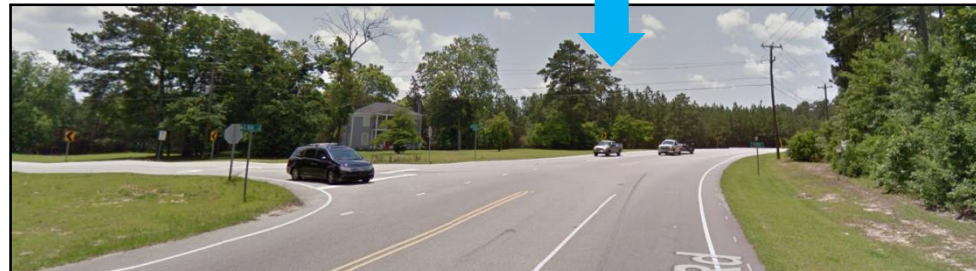
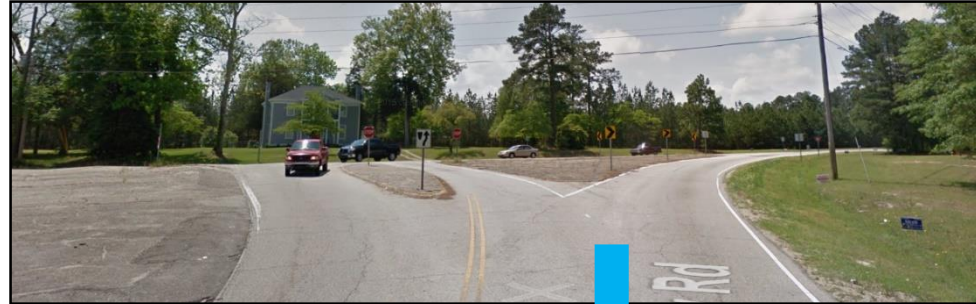
SR 2178 (Hardin Road) at Westview Street/Westwood Drive

- Before to After



Intersection Realignment

SR 1403 (Reilly Road) at SR 3569 (Old Raeford Road)



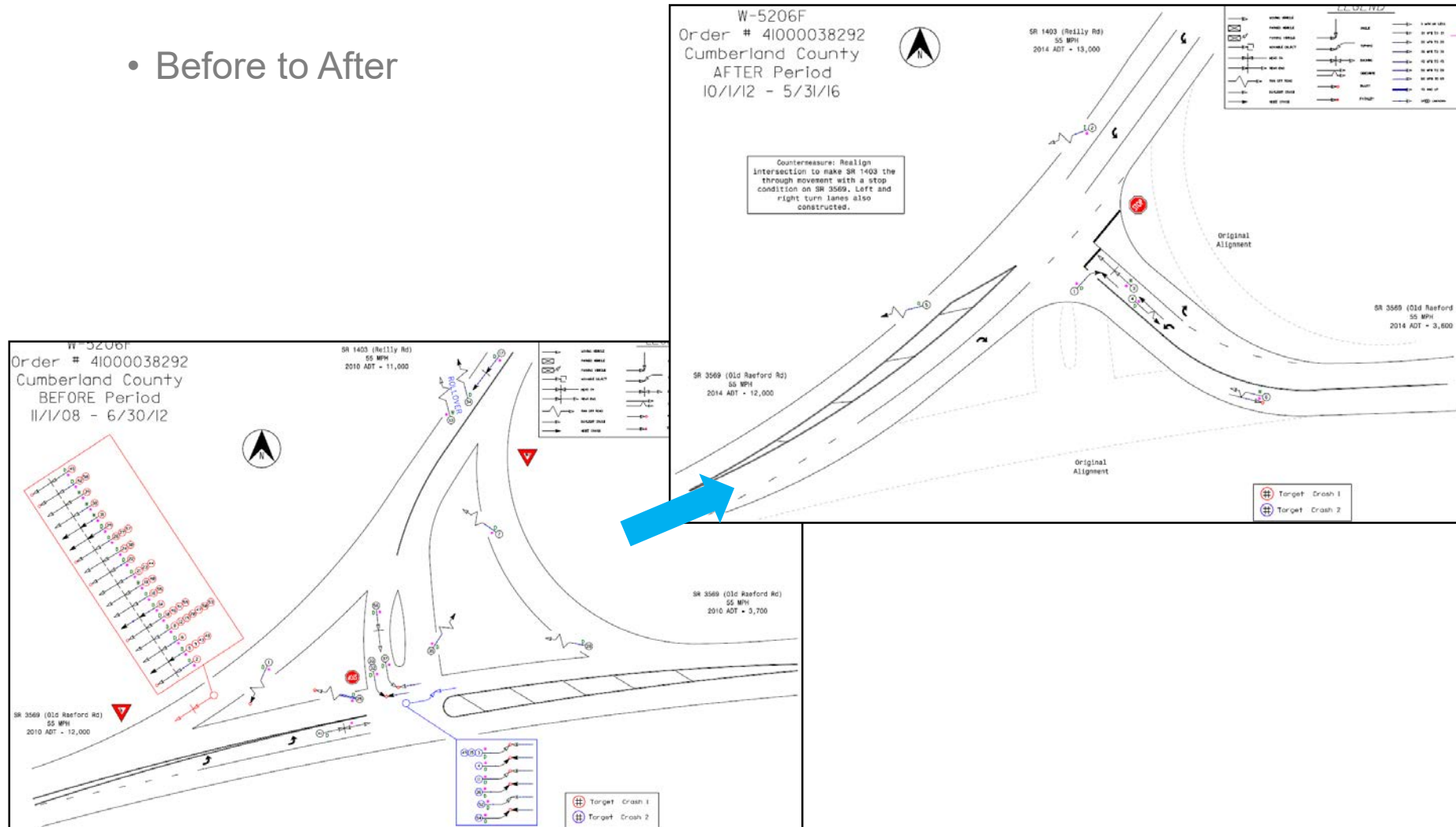
- Naïve Before and After Data Summary (3.67 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	59	6	- 89.8 %
Target 1 Crashes	38	0	- 100.0 %
Target 2 Crashes	8	0	- 100.0 %
Volume (2010, 2014)	13,400	14,300	+ 6.7 %

Intersection Realignment

SR 1403 (Reilly Road) at SR 3569 (Old Raeford Road)

- Before to After



Superelevation and Overlay in Curve

US 13 from SR 1149 / SR 1205 north for 0.35 Miles



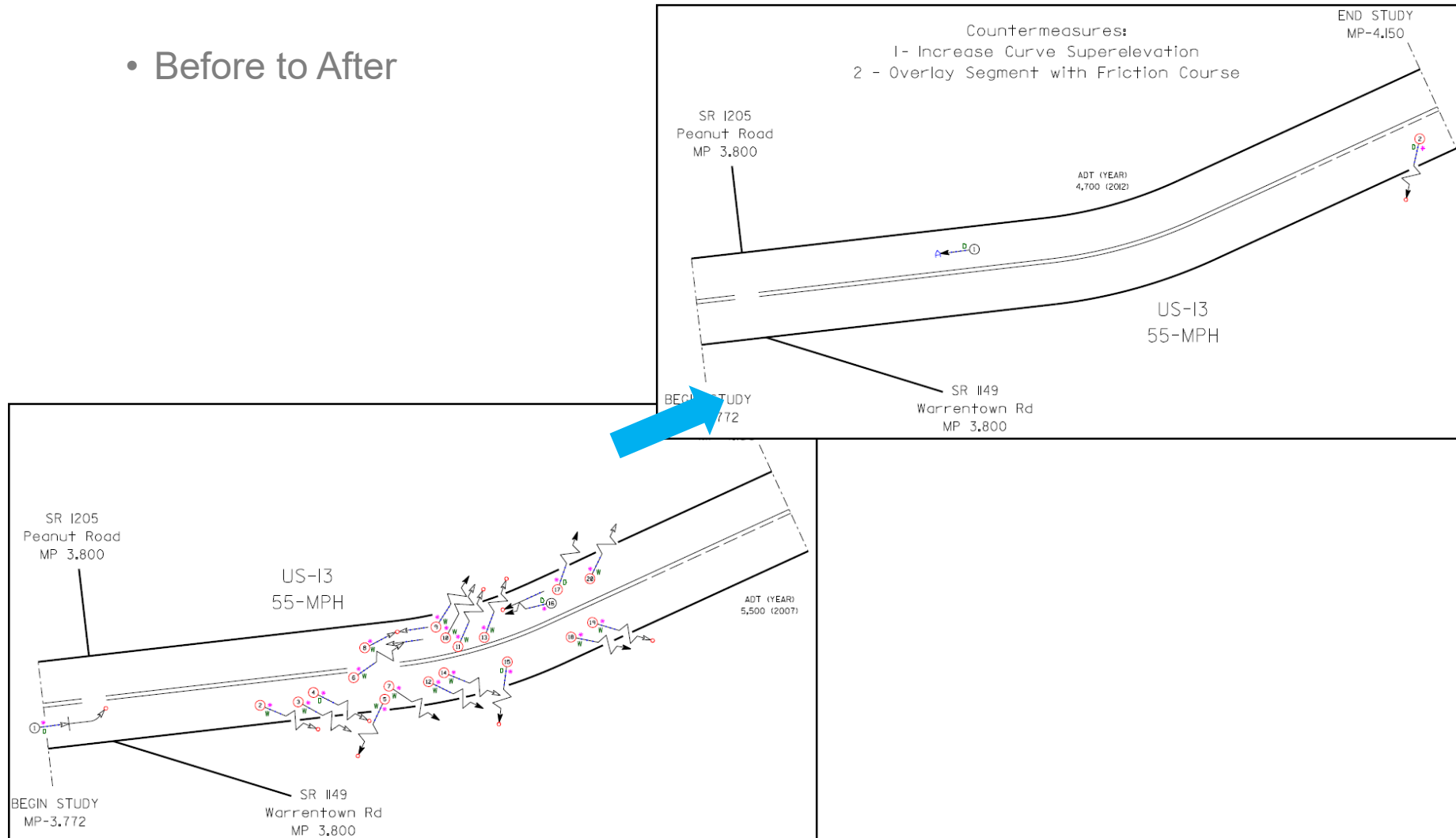
- Naïve Before and After Data Summary (4.42 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	20	2	- 90.0 %
Total Severity Index	8.12	4.70	- 42.1 %
Target Crashes – Lane Departure	18	1	- 94.4 %
Target (LD) Crash Severity Index	8.09	8.40	3.8 %
Volume (2007, 2012)	5,500	4,700	- 14.5 %

Superelevation and Overlay in Curve

US 13 from SR 1149 / SR 1205 north for 0.35 Miles

- Before to After



Curve Realignment

SR 1100 from 0.4 to 0.2 Miles West of US 13 Bypass



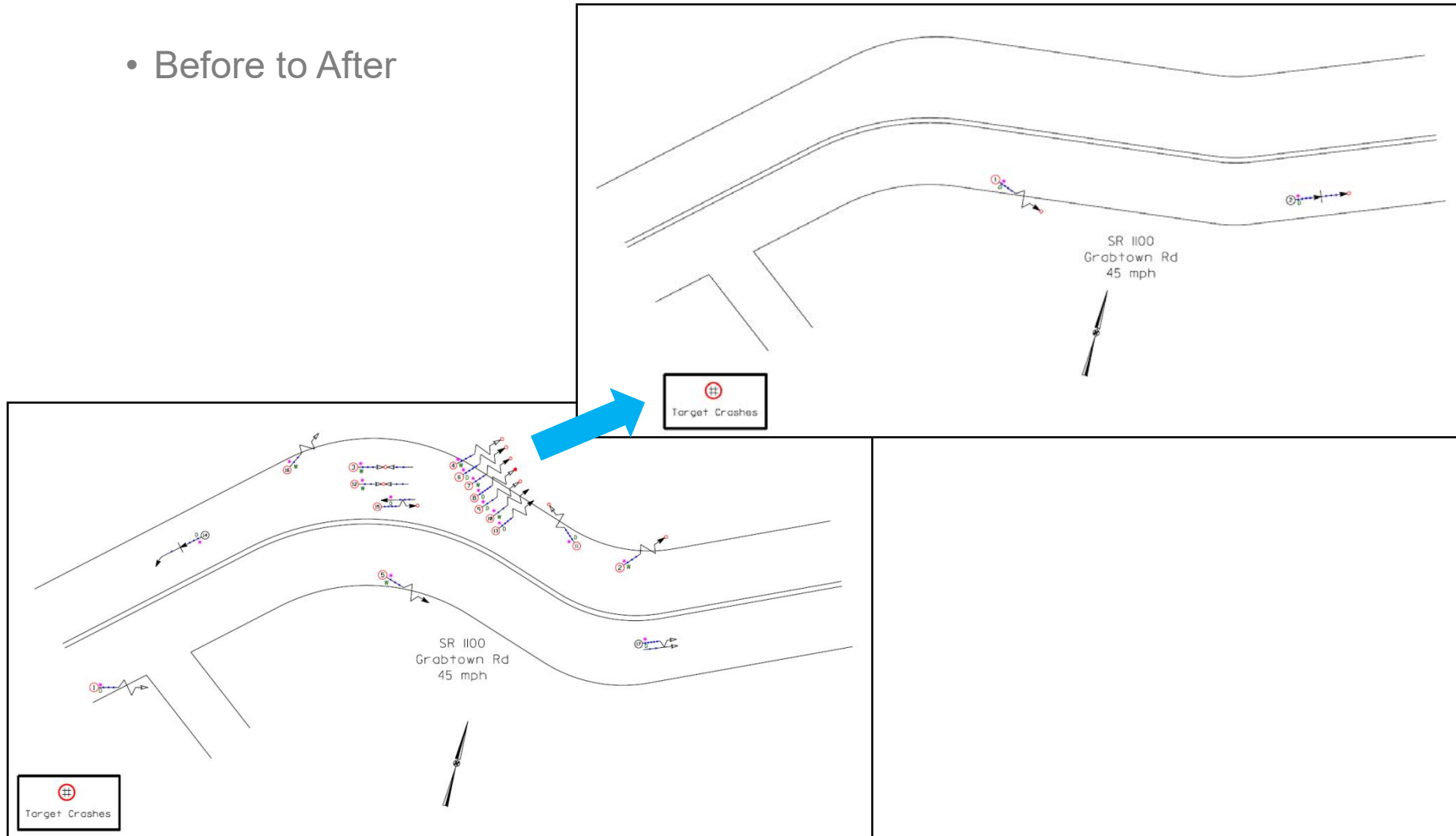
- Naïve Before and After Data Summary (7.67 years of data)

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	17	2	-88.2
Target Crashes	15	1	-93.3
Volume	1,100	1,300	18.2

Curve Realignment

SR 1100 from 0.4 to 0.2 Miles West of US 13 Bypass

- Before to After



Long Life Pavement Markings

Pavement Marking Comparisons - Day



4" Paint
SR 1136 (Tally Ho) Granville Co.
Install Date Pre-2013 (Estimated)
Photo Taken March 2018
(Retro Data: CL 62/EL 85)



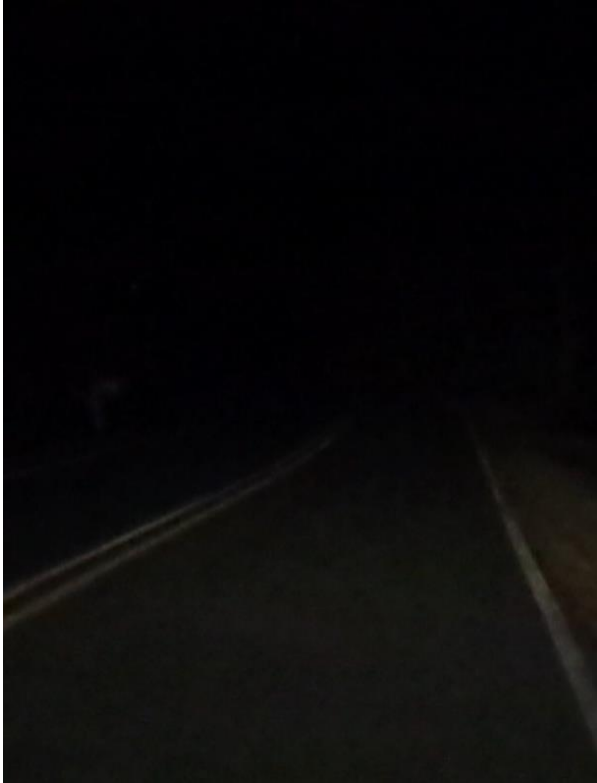
4" Standard Bead Thermo
SR 1116 (Cedar Creek) Franklin Co.
Installed 2012 (Estimated)
Photo Taken Dec 2017
(Retro Data: CL 181/EL 336)



NEW 4" Standard Bead Thermo
SR 1131 (Tump Wilkins) Granville Co.
Installed Summer 2016
Photo Taken Dec 2016
(Retro Data: CL 308/EL 470)

Long Life Pavement Markings

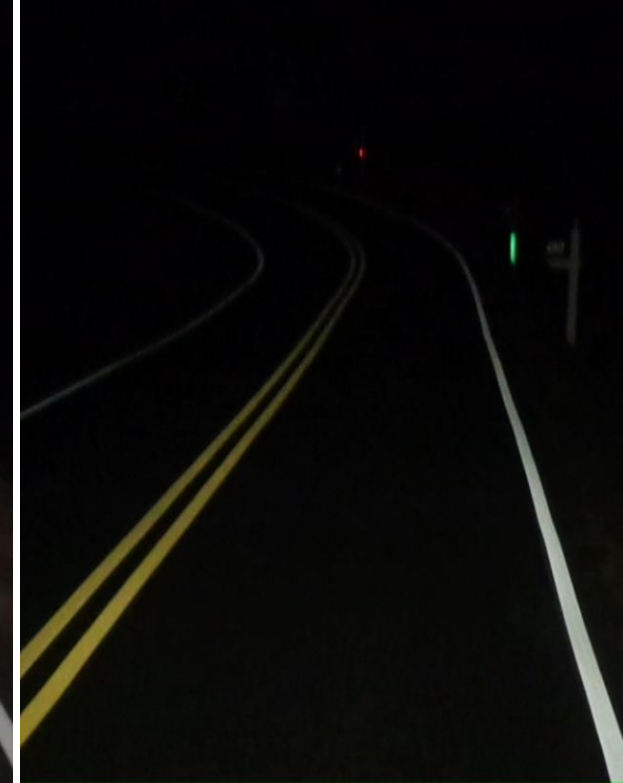
Pavement Marking Comparisons - Night



4" Paint
SR 1136 (Tally Ho) Granville Co.
Install Date Pre-2013 (Estimated)
Photo Taken March 2018
(Retro Data: CL 62/EL 85)



4" Standard Bead Thermo
SR 1116 (Cedar Creek) Franklin Co.
Installed 2012 (Estimated)
Photo Taken Dec 2017
(Retro Data: CL 181/EL 336)



NEW 4" Standard Bead Thermo
SR 1131 (Tump Wilkins) Granville Co.
Installed Summer 2016
Photo Taken Dec 2016
(Retro Data: CL 308/EL 470)

Long Life Pavement Markings

Crash Data Summary - PRELIMINARY

- 50 sites, 191 miles restriped (this is the only change occurring on the routes)
- Analyzed 3 years of before and after data (no intersection crashes included)
- The preliminary crash data summary:
 - Total Crashes 13% Reduction
 - K-A-B Injury Crashes 28% Reduction
 - Lane Departure Crashes 30% Reduction
 - Night Crashes 16% Reduction
- Statewide lane departure crashes account for (2012-2016):
 - 56% of the Fatal Crashes
- Appears to be no affect on speed, possibly a slight decrease
- Statewide speed related crashes account for (2012-2016):
 - 25% of the Fatal Crashes

Mobility Project – Right Turn Lane

US 25A (Sweeten Creek) at SR 3116 (Mills Gap)



<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Average AM Delay/Vehicle (mm:ss)	03:44	02:41	- 28 %
Average PM Delay/Vehicle (mm:ss)	02:59	01:54	- 36 %
AM Queue Length – WB SR 3116 (miles)	0.72	0.32	- 56 %

<u>AM Peak Hour Volumes</u>	Before	After	Percent Reduction (-) Percent Increase (+)
WB SR 3116	703	1,051	+ 49.5 %
EB SR 3116	184	273	+ 48.4 %
NB US 25A	830	852	+ 2.7 %
SB US 25A	548	696	+ 27.0 %

Mobility Project – Dual Left Turn and Through Right

NC 24-87 (Bragg) at SR 1451 (Manchester)



<u>PM Peak Hour Volumes</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Left Turn	740	895	+ 21 %
Through	118	212	+ 80 %
Right Turn	54	118	+ 119 %

<u>Queueing Information - EB Manchester</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Queued State (Minutes)	38	10	-74%
Crawl/Congested State (Minutes)	30	21	-30%
Total (Minutes)	68	31	-54%
Total Vehicles	3,308	3,601	9%

Safety Countermeasures – Benefit Cost

Evaluation of NC's Spot Safety Program yielding **14:1 B/C**

- Reviewed Before and After Crash Data (4.7 years of data)
- One Time Project Cost of **\$50 Million** (for 611 projects reviewed)
- Crash Costs Savings of **\$688 Million** (using 2005 dollars)

TOTAL CRASHES							
Average Study Years	4.71	Total	F	A	B	C	PDO
BEFORE Period Crashes		19035	237	458	2179	5335	10835
AFTER Period Crashes		15425	101	201	1464	3865	9808
Difference from Before to After (Total Crashes)		3610	136	257	715	1470	1027
Difference from Before to After (Percentage)		-19.0	-57.4	-56.1	-32.8	-27.6	-9.5
Crash Cost* Savings		\$ 688,361,500	\$ 530,400,000	\$ 59,110,000	\$ 47,190,000	\$ 47,040,000	\$ 4,621,500
* 2005 Dollars							

Questions / Discussion





NORTH CAROLINA

Department of Transportation

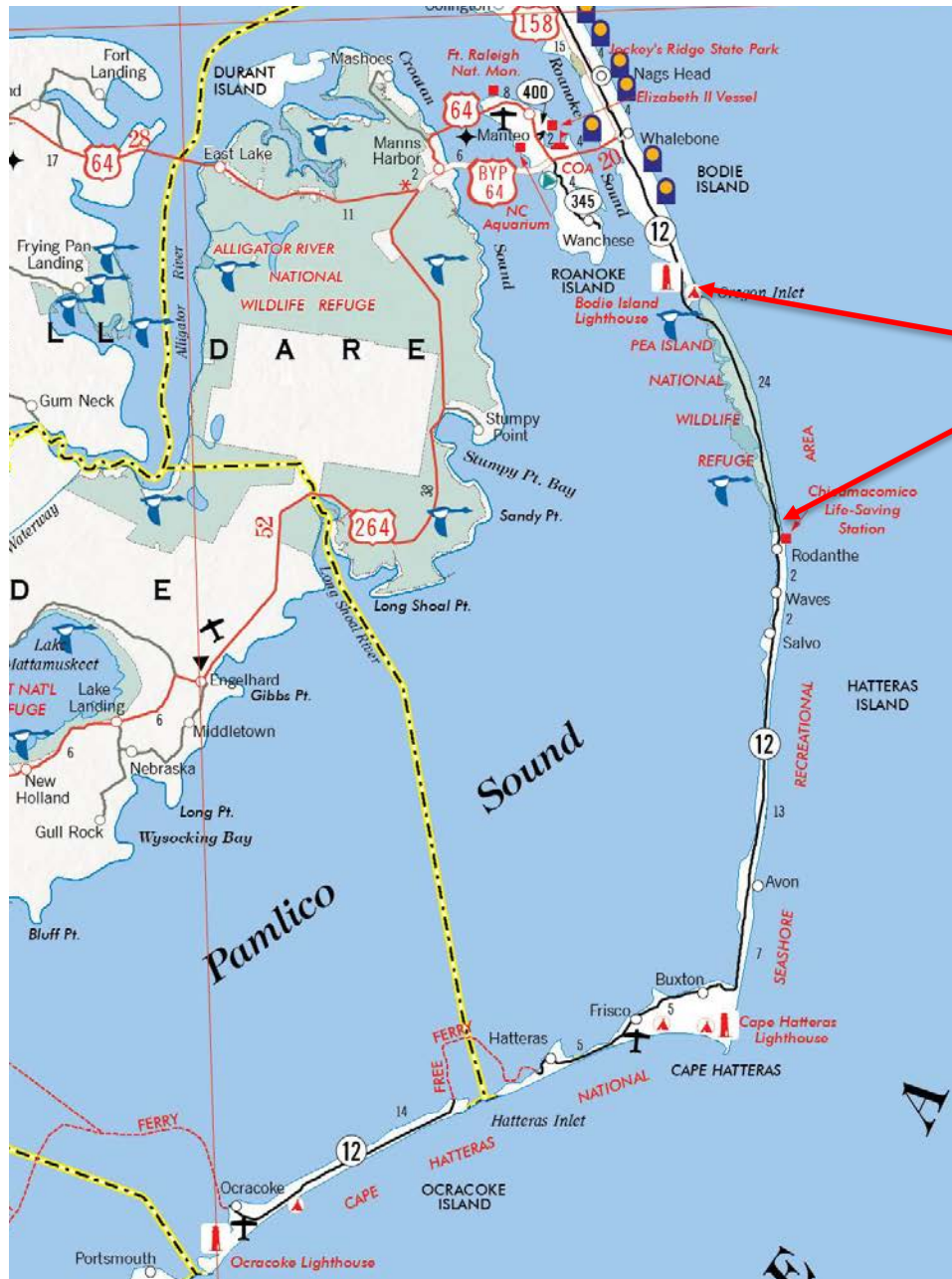


Outer Banks Bridges Update:

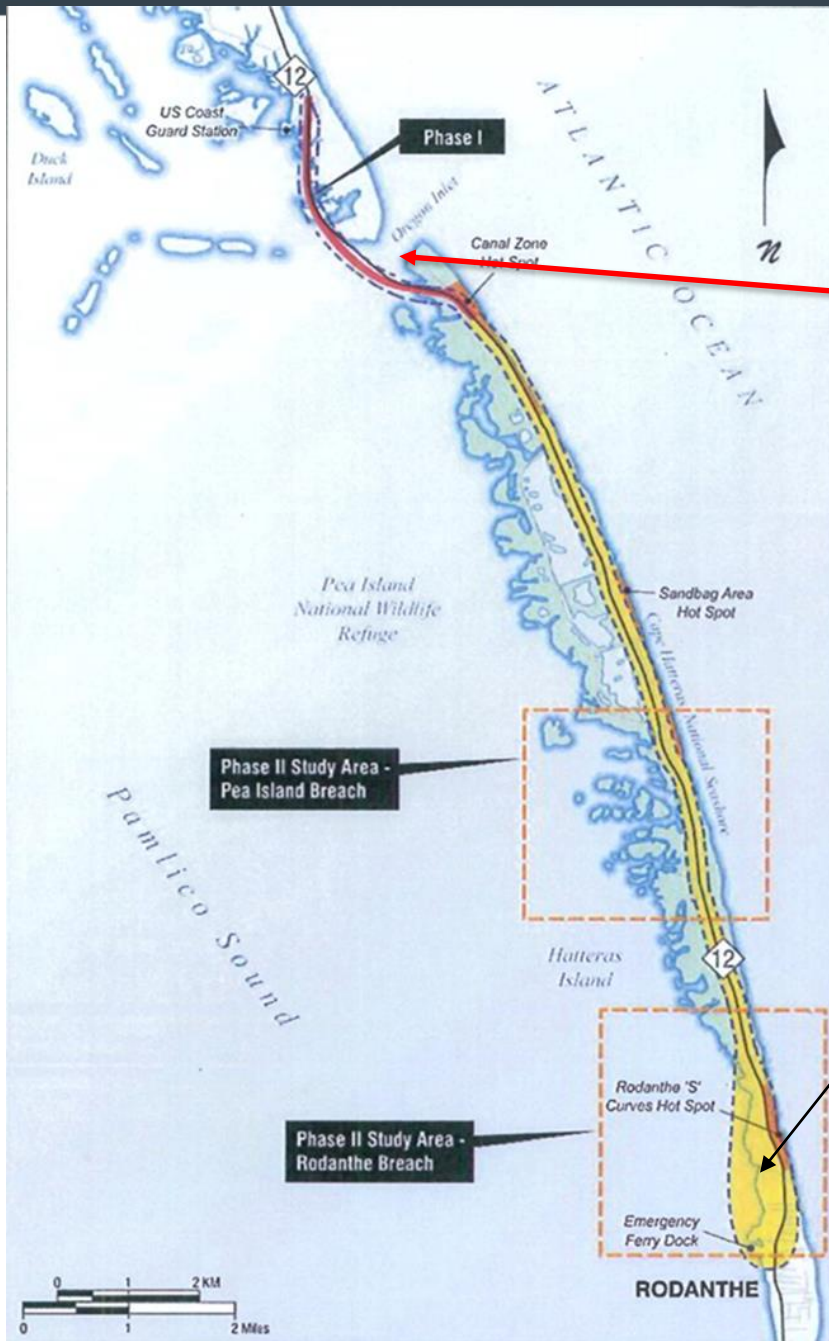
Basnight, Bonner, & Rodanthe Bridges

Jerry D. Jennings, PE - Division Engineer

June 5, 2019



Project Locations



Basnight Bridge & Bonner Bridge

Rodanthe Bridge

Bridge over Oregon Inlet

- Design-build contract for replacement awarded in July 2011
- PCL Civil Constructors – Prime Contractor
- HDR Engineering - Lead design firm
- Construction began March 2016
- Total revised contract amount of \$252 million
- Named the “Marc Basnight Bridge”
- Opened to traffic February 25, 2019
- Demolition of old Bonner Bridge underway
- Estimated completion late 2020



Marc Basnight Bridge





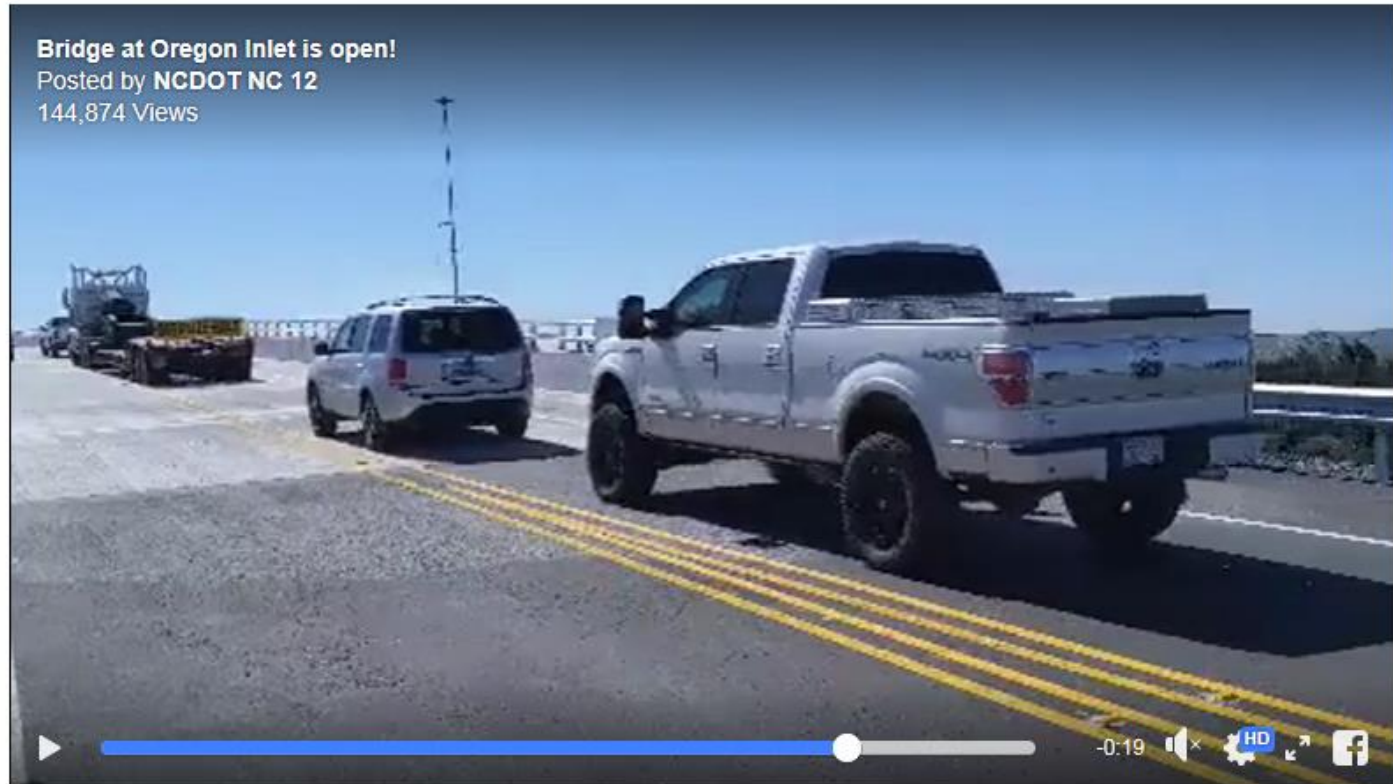
Community Day - February 9, 2019



Community Day - February 9, 2019

Bonner Bridge Replacement Opens to Traffic!

February 25, 2019 | Local News | By: Joy Crist



Opened to Traffic – February 25, 2019



Bridge Dedication and Ribbon Cutting - April 2, 2019





MARC BASNIGHT BRIDGE
DEDICATED APRIL 2, 2019

NCDOT Video Released on April 2, 2019







Demolition of Bonner Bridge Beginning – March 29, 2019



Demolition Underway



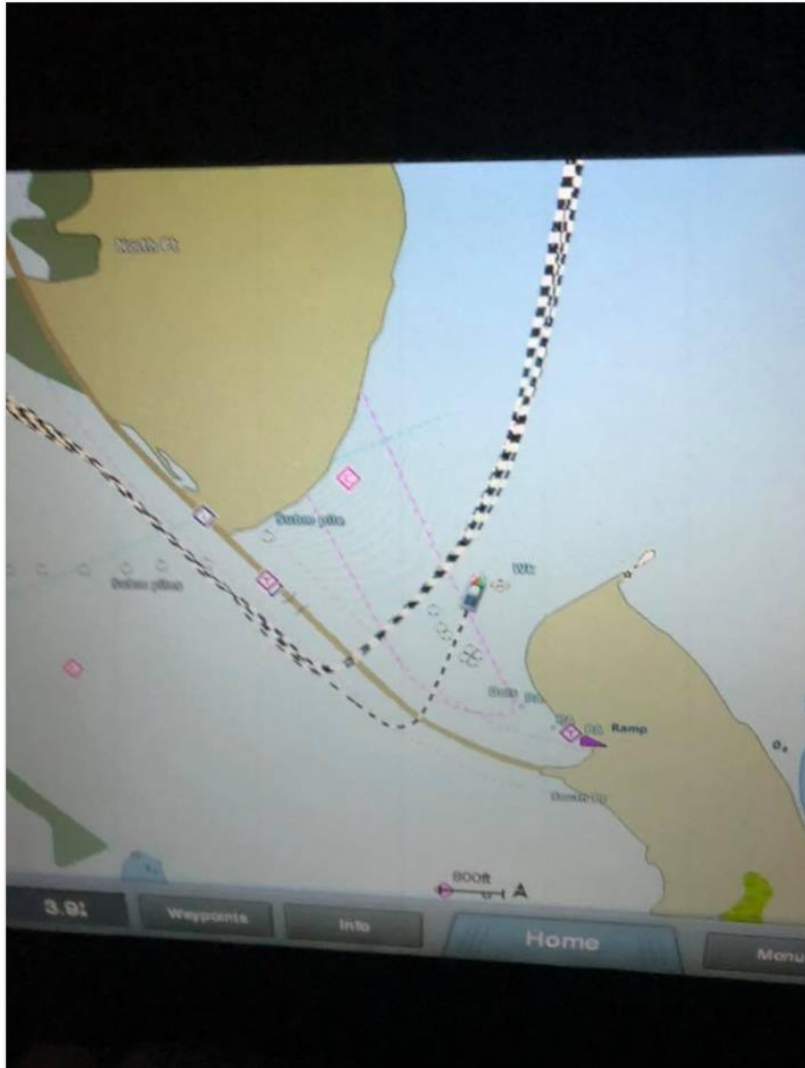
New Channel Through Old Bridge Opened April 25, 2019



Sea Breeze Charters seabreezesportfishing.com

17 mins · 🌐

Going thru the wide opening this morning!
#nomorepuckerup!!



Pirate's Cove Marina

Sponsored · 🌐

This is a pretty sight! Easy access to go through Oregon Inlet! 169' wide and 70' height clearance at MHW. Plenty of water and 10' over the bar!



👍❤️ Stuart Morrison and 200 others

14 Comments 46 Shares 🧑🏻👤

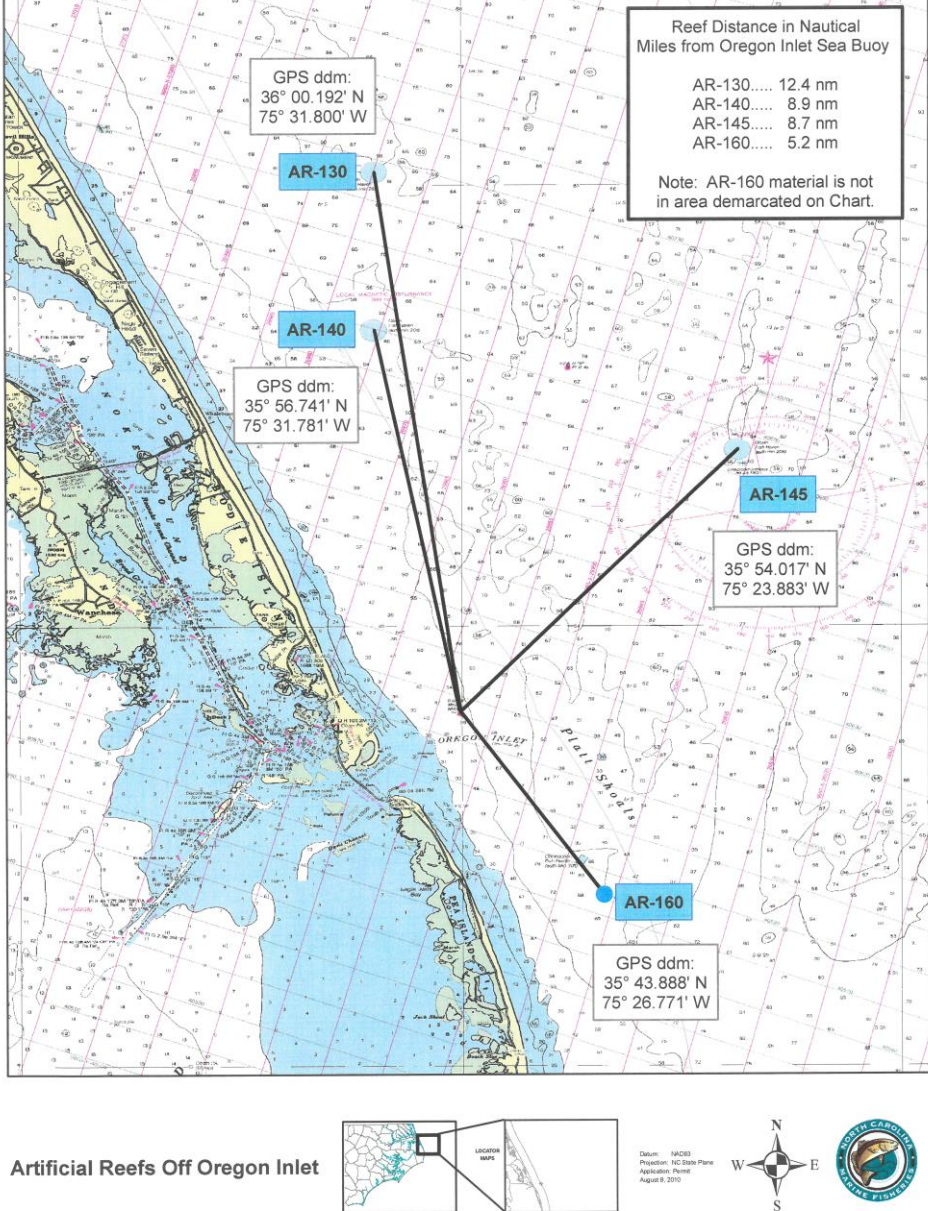
👍 Like

💬 Comment

↗️ Share



Demolition Operations Continuing



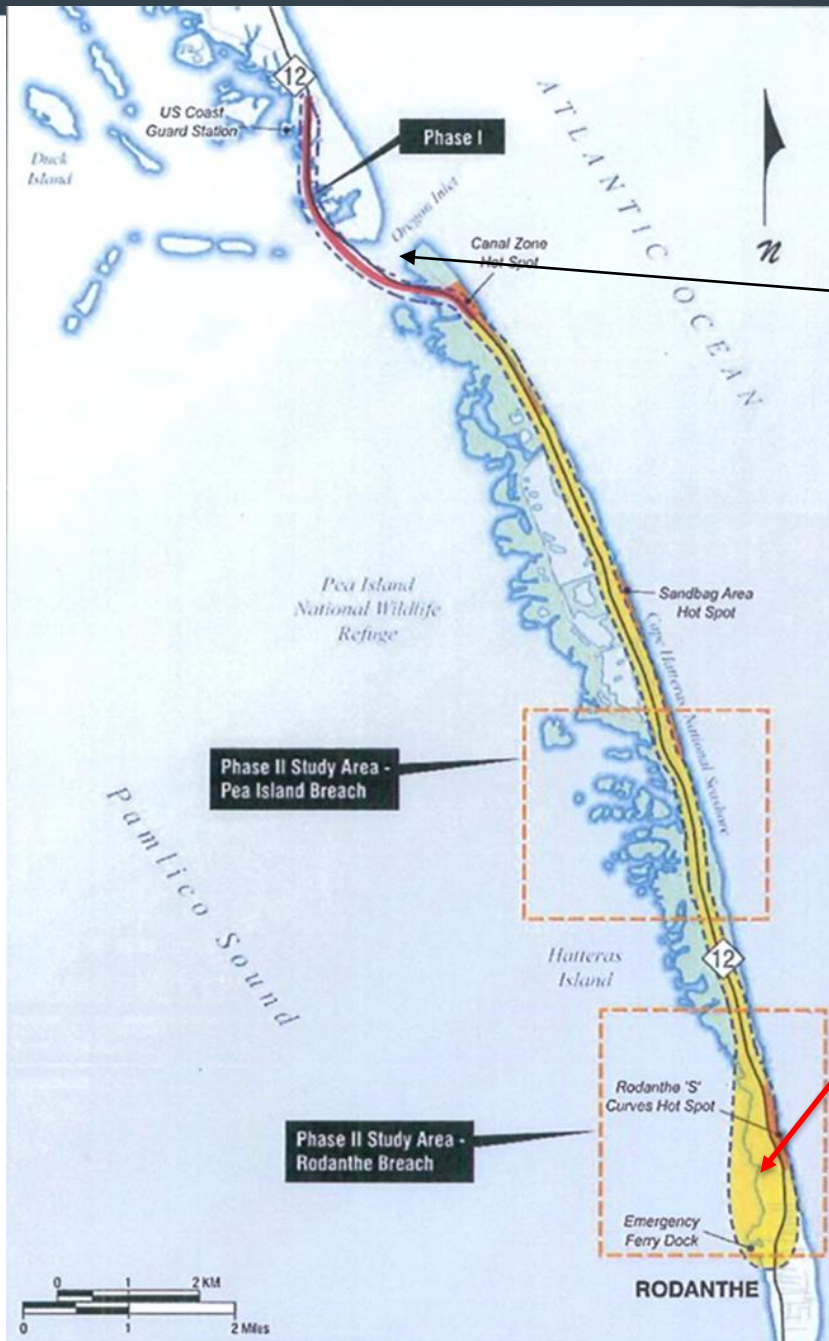
All bridge demolition materials will be placed in offshore reefs



Demolition Materials being Barged Offshore



1,000 Section of Bonner Bridge to be Retained at South End



Basnight Bridge & Bonner Bridge

Rodanthe Bridge

Rodanthe Bridge

- Design-build contract awarded in January 2017
- Flatiron Constructors is prime contractor
- RK&K is the lead design firm
- Contract amount of \$145 million
- Construction began July 2018
- About 17% complete
- Completion in 2020



Rodanthe Bridge

- Very shallow water
- Environmental sensitivity
- Submerged aquatic vegetation
- Community concerns



Assembly of Rail and Gantry System at South End



Rail and Gantry System at South End



Rail and Gantry System at South End



54" Concrete Pile Installation



Construction of
approaches at
North end





Dare County Update Video Released on May 17, 2019

Questions?





MULTI-MODAL TRANSPORTATION COMMITTEE

MEETING MINUTES

DATE: 02-06-2019 TIME: 2:11 PM – 3:33 PM LOCATION: EIC Room

MEETING CALLED BY	Chairman Perkins
BOARD ATTENDEES	Valerie Jordan, Thomas Taft, Jr., Vice-Chairman Billy Clarke, Tony Lathrop, Sam Bowles, Hugh Overholt

AGENDA TOPICS

1. MEETING CALLED TO ORDER AND APPROVAL OF DECEMBER 5, 2018 MINUTES – CHAIRMAN PERKINS	
DISCUSSION SUMMARY	Chairman Perkins called the Committee to order and asked for a motion to approve the minutes as distributed
ACTIONS TAKEN	<p>A motion to approve December 5, 2018 minutes as distributed was made by Mr. Thomas Taft, Jr. and seconded by Mr. Hugh Overholt.</p> <p>The Committee approved the meeting minutes unanimously</p>
2. FUNDING ITEMS (BIKE & PED, PUBLIC TRANSPORTATION, AVIATION)	
DISCUSSION SUMMARY	Information was presented by Bike & Ped Director, Public Transportation Director and Aviation Director.
ACTIONS TAKEN	<p>Motion to approve Bike & Ped funding items was made by Hugh Overholt and seconded by Mr. Sam Bowles.</p> <p>Motion to approve Public Transportation funding items was made by Vice-Chairman Billy Clarke and seconded by Mr. Hugh Overholt.</p> <p>Motion to approve Aviation funding items was made by Vice-Chairman Billy Clarke and seconded by Mr. Hugh Overholt.</p> <p>The Committee approved the funding items unanimously.</p>
3. MULTI-MODAL UPDATES – JULIE WHITE, DEPUTY SECRETARY FOR MULTI-MODAL TRANSPORTATION	
DISCUSSION SUMMARY	<p>Mobi Awards – The “Mobi” awards application submissions closed on January 22nd for projects. This new award supports NCDOT’s continuing efforts to bring multimodal transportation solutions to all parts of our State. Multimodal investments in bicycle and pedestrian paths, sidewalks, rail, transit, ferry and aviation are important parts of healthy vibrant communities of all sizes in rural, urban, tourism and suburban areas. 62 applications received. Ticket sales and sponsorship is the next phase for completion of the Mobi Awards process. April 3rd is the Mobi Awards Luncheon, during the April Board meeting.</p>



MULTI-MODAL TRANSPORTATION COMMITTEE

MEETING MINUTES

ACTIONS TAKEN	No Action Taken
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4. AVIATION DIVISION UPDATE – BOBBY WALSTON, AVIATION DIRECTOR	
DISCUSSION SUMMARY	Aviation Division Update – Bobby Walston gave an update of the State of Aviation what it means to our economy. The report captures activity at NC Airports (cargo, passenger services), outreach for support of NC Airports, funding generated for the State's General Fund , jobs created across the State, data on the licensing of drones, and more.
ACTIONS TAKEN	No Action Taken

5. COMPLETE STREETS UPDATE – ALDEA COLEMAN, POLICY ADVISOR	
DISCUSSION SUMMARY	Complete Streets Update - Phase II – Aldea Coleman presented to the Committee the Complete Streets draft policy, with background and purpose. She reviewed Phase I (the evaluation process) and Phase II (the recommendations and implementation for changes to the policy). Phase III is the completion of the policy in the next few months.
ACTIONS TAKEN	No Action Taken

6. MERGER OF BIKE & PED AND PUBLIC TRANSPORTATION DIVISION – HANNA COCKBURN, BICYCLE & PEDESTRIAN DIRECTOR AND PUBLIC TRANSPORTATION ACTING DIRECTOR	
DISCUSSION	Merger of Bike and Ped and Public Transportation Division – Hanna Cockburn presented to the Committee a brief overview of the merger of Bike & Ped and Public Transportation. Bringing 3 modes into one, changing the landscape of mobility, and working with local communities on building vibrant communities.
ACTIONS TAKEN	No Action Taken



MULTI-MODAL TRANSPORTATION COMMITTEE AGENDA

BOARD OF TRANSPORTATION JUNE 5, 2019

TIME: 2:10 PM

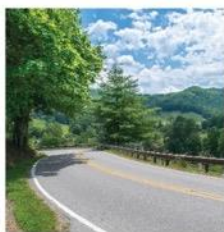
LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Approval of February 6, 2019 Meeting Minutes	Chairman Perkins	2:10
Funding Items (Public Transportation, Rail, Bike & Ped and Aviation)	Multi-Modal Directors	2:15
Multi-Modal Transportation Update	David Howard Chief Deputy Secretary	2:20
Presentation of Rail Division Update	Jason Orthner Rail Division Director	2:30
Presentation of Ferry Division Update	Harold Thomas Ferry Division Director	2:50
Adjourn	Chairman Perkins	3:10



NORTH CAROLINA

Department of Transportation



Ferry Division Update

Harold Thomas
Ferry Division Director

June 5, 2019

Ferry Division Mission



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

Ferry Division Overview



Operations

- Administration
- Human Resources
- Safety
- District and Terminal Operations
- Business Office



Asset Management

- Marine Maintenance
- Facility Maintenance
 - \$40M Facility Assets
- Field Maintenance
- Shipyard
- Quality Assurance
- Vessel Engineering
- \$104M Vessel Assets



Planning

- Long-term Strategic Plan
- Service Expansion
- Fleet Lifecycles
- Technology Integration



NORTH CAROLINA FERRY SYSTEM

- 2nd Largest State-operated Ferry System in the Nation
- 7 Scheduled Routes
- 1 Emergency Route
- 21 Ferries
- Support Fleet
(4 tugs, 3 barges,
1 crane barge, & 1 dredge)
- 13 terminals
- State-owned Shipyard
- 3 Field Maintenance Shops



Accomplishments

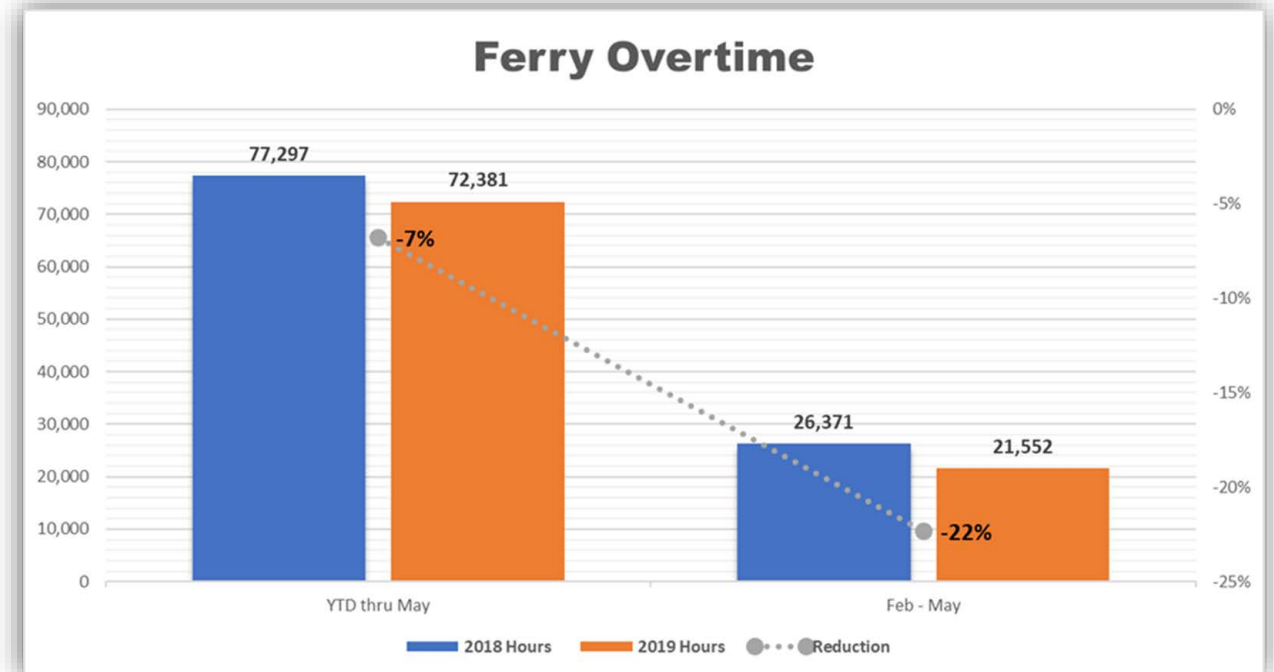
- Overtime Reduction Initiative
- Career Fair 2019
- Vessel Construction Completion
- Passenger Ferry Service Launch
- ITRE Economic Contribution of the Ferry System to North Carolina
- Smartsheet deployment for Facility Maintenance



Overtime Reduction Initiative

Goal: Reduce scheduled overtime to offset O&M spending without impacting service

- Strategies developed resulted in 22% (4,818 hrs) reduction in overtime hours when comparing Feb – May 2018 to the same time period in 2019
 - Eliminating overtime status for some positions
 - Reducing overtime for shipyard, field maintenance and non-vessel temporary employees
 - Reducing night operations overtime scheduling
 - Adjusting crew schedules



Career Fair – March 1, 2019

Hatteras Village Civic Center

- Representatives available for each job type
- **101 attendees**
- **44 filled out job applications**
- **15 employees out of the 44 applications were hired**
- Also attended job fairs at Carteret Community College and Mattamuskeet Early College High School



2019 North Carolina Ferry Career Fair

WE'RE HIRING

FRIDAY, MARCH 1, 2019

HATTERAS CIVIC CENTER
56658 NC HIGHWAY 12, HATTERAS, NC 27948

HIRING FOR

Engineers	Captains
Marine Welders	Parking Lot Attendants
Marine Mechanics	Pipefitters
Marine Machinists	Crew Members
Ferry Oilers	Ferry Mates

Interview 10AM TO 6PM

REGISTER NOW: bit.ly/ferrycareers2019

For more information:
Alma Fountain
(252) 423-5125
afountain@ncdot.gov
Visit www.NCDOT.gov

REMEMBER TO BRING:

- Resumes
- Supporting documents



Vessel Construction Completion

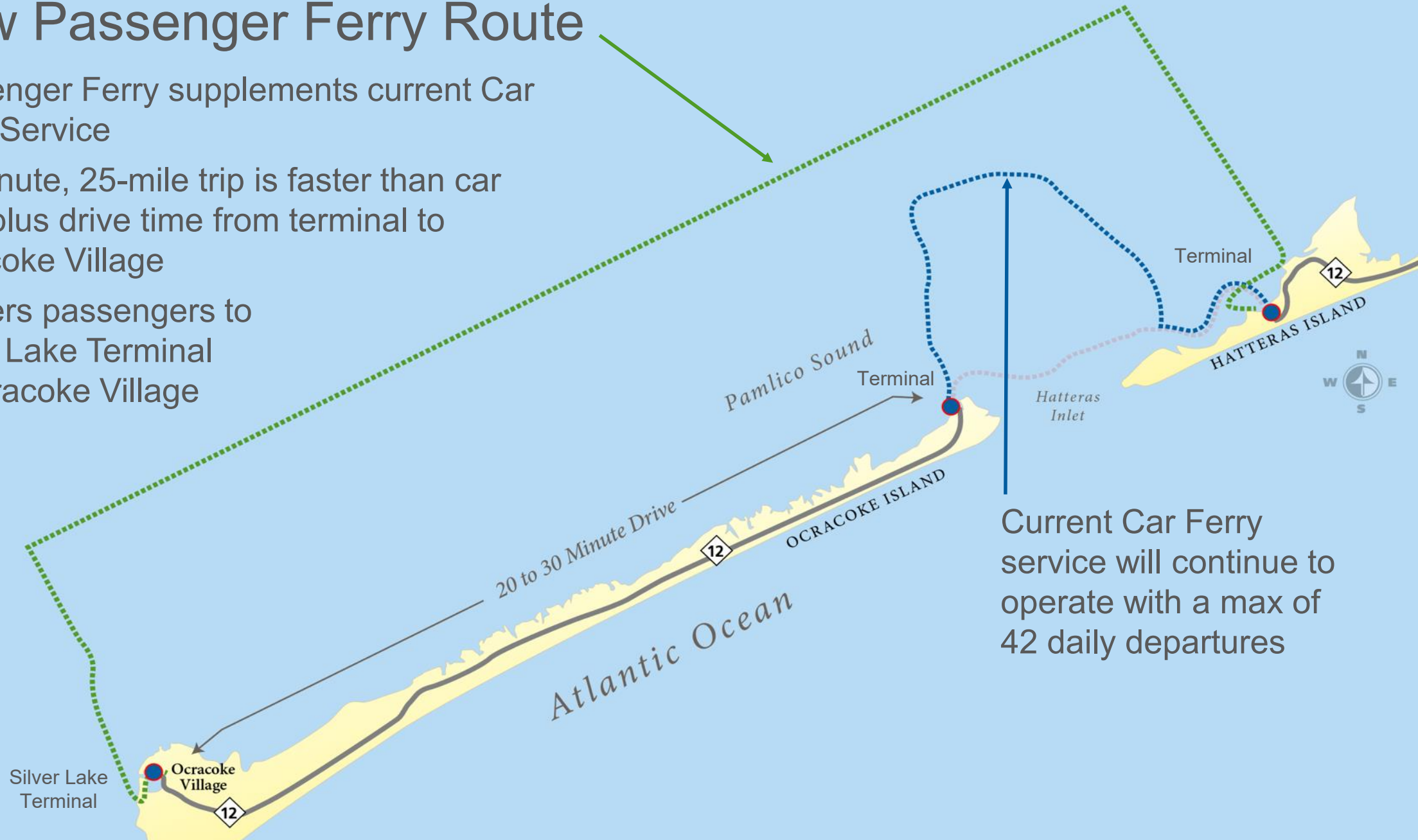
M/V Rodanthe

- New river – class ferry
- 40-vehicle capacity
- Vessel construction completed - May 2019
- In service with the Ferry Division - June 2019
- Built by Bollinger Shipyard in Lockport, LA
- \$9.7 million contract
- Funded through STI



New Passenger Ferry Route

- Passenger Ferry supplements current Car Ferry Service
- 70-minute, 25-mile trip is faster than car ferry plus drive time from terminal to Ocracoke Village
- Delivers passengers to Silver Lake Terminal in Ocracoke Village



Passenger Ferry Launch

From Vision to Reality in 45 Days

During the 45 day project period the NCDOT Ferry Division developed a project schedule that would ensure a successful launch. Daily conference calls were held to ensure tasks were assigned, members were updated, and progress was noted. Team members worked many days and nights to make sure this was a success story.

Vessel Evaluation 20 Days

- Potential vessel identified
- Travel approved to visit home port in New Jersey
- Review vessel Records

Vessel Agreement 23 Days

- Obtain lease agreement and contract terms from Seastreak
- Prepare SOW for purchasing
- RFQ prepared and reviewed by Ferry Division then Seastreak
- Legislative approval
- Contract signed
- Vessel sails to Hatteras

Shoreside Construction 45 Days

- Vessel sewage permits and containment
- Floating dock upfit
 - Non-skid, railing, pilings, bumpers, boarding ramps, gangways
- Signage & Site Work
 - Hwy 12 and terminal signage
 - Repaint building
 - Landscaping
- Bathroom construction in Ocracoke
- Security camera install

Ticketing 22 Days

- Ensure system ready for deployment by launch day
- Correct bugs in system
- Final ticketing and reservations training for two shifts
- Hardware installation at Hatteras
- Establish domain in PCI range

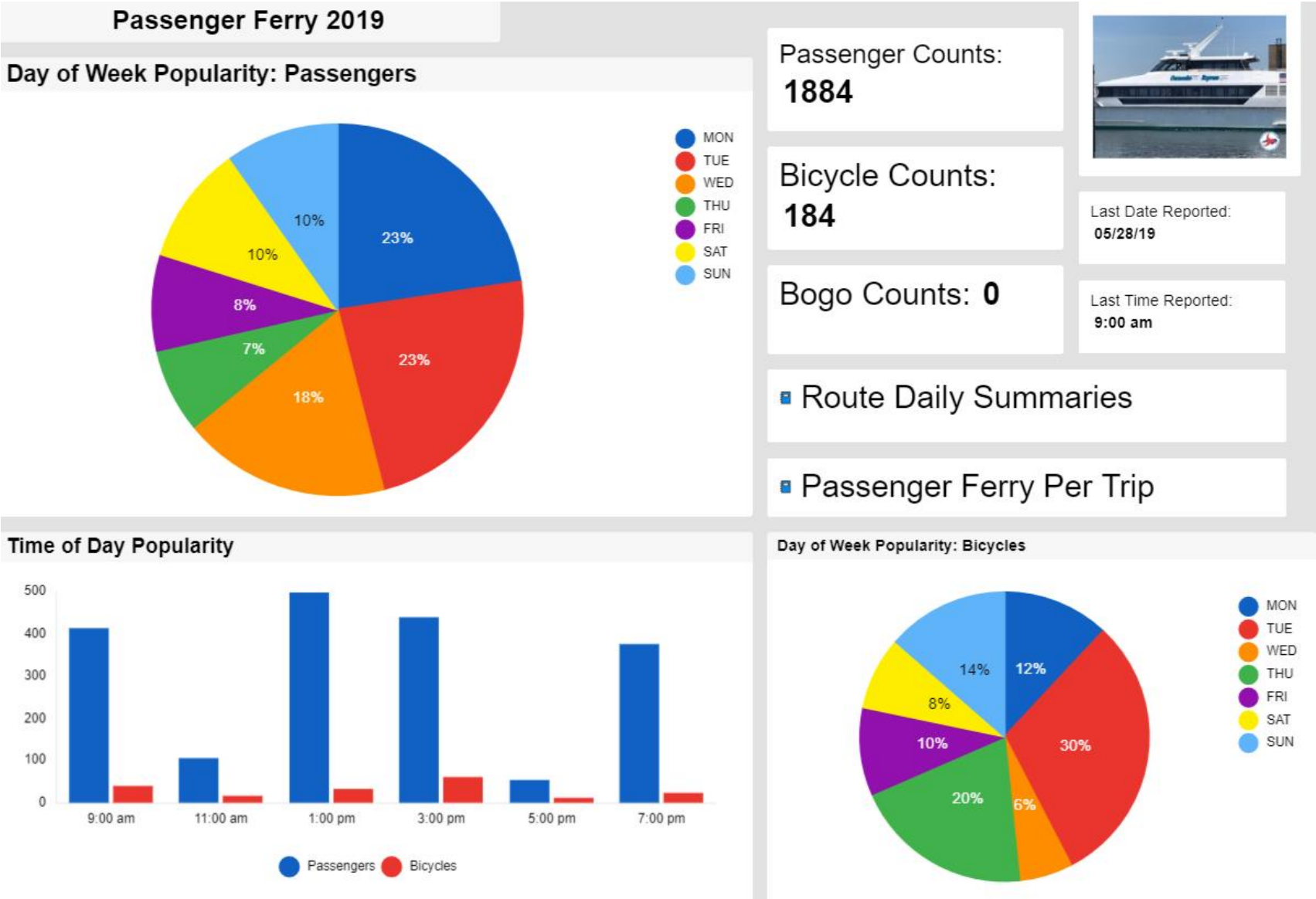
Passenger Ferry Launch

Leased Vessel for 2019 Season

- Successful launch with nearly 300 riders on the first day of service May 20, 2019
- Vessel is leased from New Jersey based company Seastreak Marine
- Three departures from each side every day between Memorial and Labor Day
- Free tram service in Ocracoke Village provides passengers with access to several stops throughout the community
- Ridership tracked each day and will provide decision making data for adding additional departures
- Concessions will be expanded to include local vendors and fresh food options. Currently waiting on legislation to allow for beer/wine sales on trips to Ocracoke.



Passenger Ferry – Smartsheet Dashboard



Last Date Reported:
05/28/19

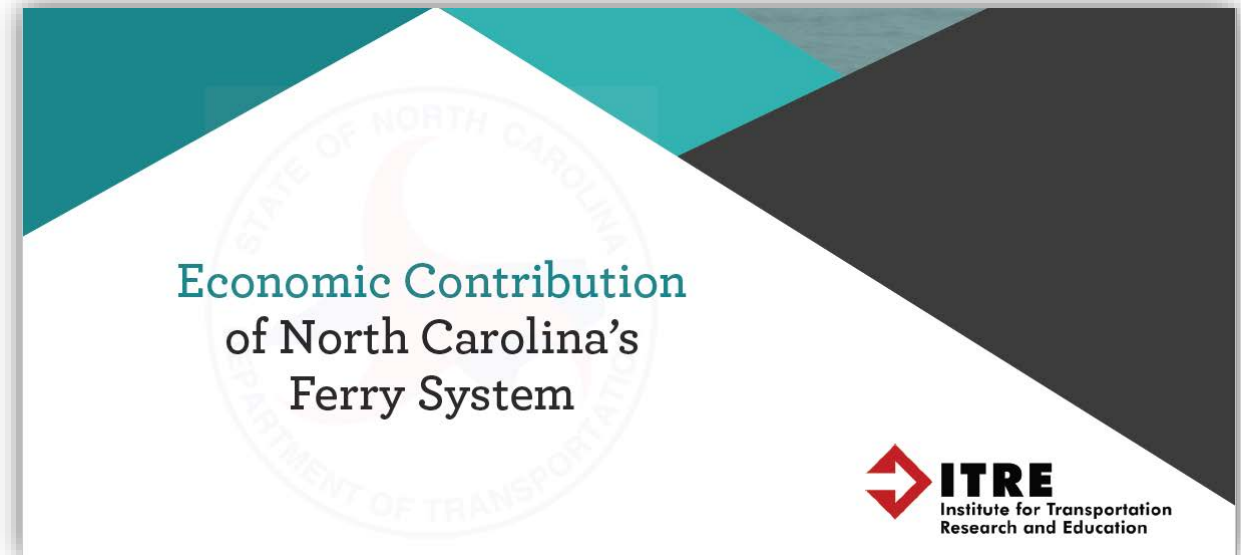
Last Time Reported:
9:00 am

Economic Contribution of North Carolina's Ferry System

Study Conducted by ITRE

Overall Findings











- Educational ridership data obtained per route
- 5,860 jobs supported that are direct, indirect, and induced
- \$32.5 million in local and state tax dollars
- \$735.2 million in Statewide economic output
- \$40.3 million in passenger benefits:
 - \$18.1m in vehicle cost savings
 - \$13.1m in travel time savings
 - \$8.3m in safety benefits



Smartsheet Deployment for Facility Maintenance

Work Order Request and Project Management

- Created form and workflow system specifically for Ferry Division
- Pilot roll out – March 2019
- Fully Operational – April 2019
- Supervisors are able to submit via webform and follow request progress
- Increased transparency and organization

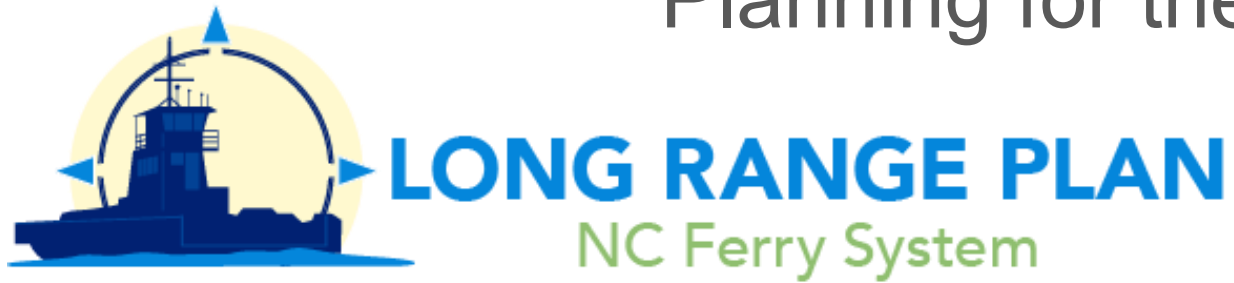
Description of Issue	Additional Location Information	Terminal Location	Requester	Status	Form Submit Date	Creation Date	Accepted by FM?	Assigned To	Due Date	Days Open	Completi... Date	Done
Southdock					03/06/19							<input type="checkbox"/>
AC/Heat in South Dock Traffic Shack OOS		Southdock	 Steve Faranello	Complete	05/08/19	05/08/19	Yes		05/16/19		05/18/19	<input checked="" type="checkbox"/>
Repairs and remodel for Southdock bathroom	Bathroom building both mens and womens	Southdock	 Steve Faranello	In Progress	03/15/19	03/14/19	Yes	 D. Pharr  Gary Cooper  Larry Lupton  Mike Horton	05/24/19	69		<input type="checkbox"/>
Ocracoke					03/06/19							<input type="checkbox"/>
Maytag dryer belt going bad, extremely loud noise		Ocracoke	 Randy Barrow	In Progress	05/12/19	05/12/19						<input type="checkbox"/>
Need new line for flag pole. 200 ft. 3/8" Halyard (flag pole line) and two snap hook covers	Flag pole in front of main operation office.	Ocracoke	 Randy Barrow	In Progress	05/09/19	05/09/19	Yes	 David Pharr	05/20/19			<input type="checkbox"/>
Men's toilet leaking water in tank	Ocracoke Ferry Operations visitor center men's bathroom	Ocracoke	 Kim Oneal	Complete	05/04/19	05/04/19	Yes		05/24/19		05/18/19	<input checked="" type="checkbox"/>

Ongoing Initiatives

- Long-Range Plan Development
- Workforce Initiatives
- Community College Apprentice Program
- Technology
- Vessel Construction



Planning for the Future



- Long-range plan under development
- Sustainability emphasized – with a look 30 years into the future
- Findings of 9 other studies integrated
- Recommendations for vessel modernization, additions to the fleet and maintenance scheduling included
- New technology and processes to improve customer service considered

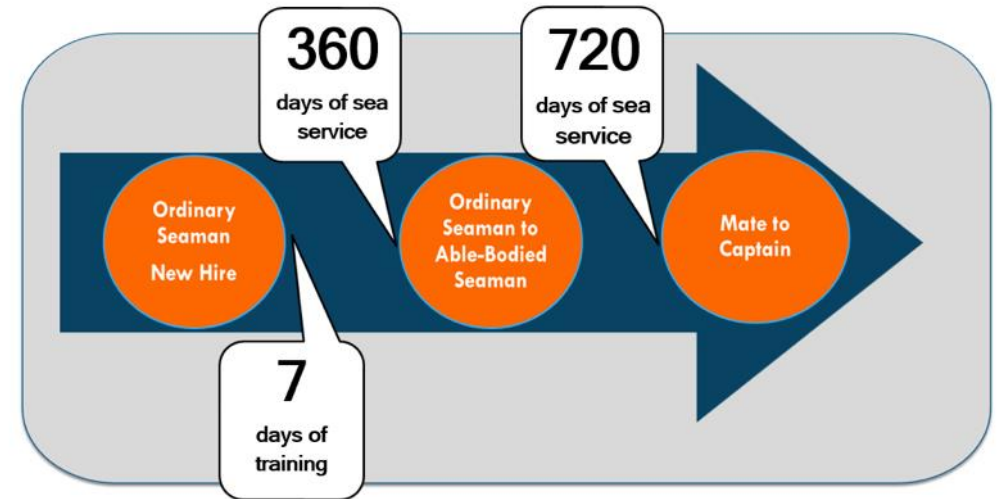


Workforce Initiatives

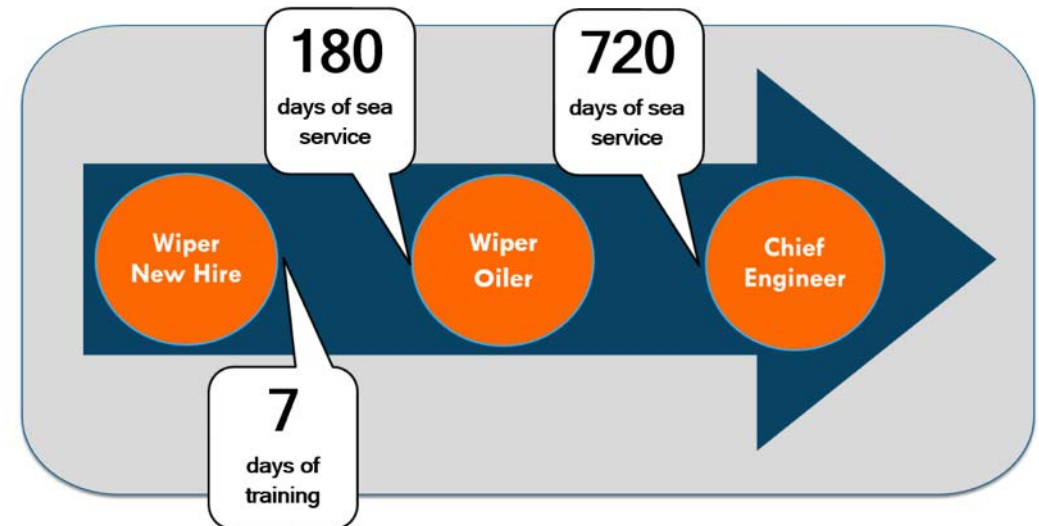
- Creating ladders of opportunity
- Training and mentoring for employees
- Expanding the talent pool
- New uniforms
 - UV Protection
 - Professional appearance



NCDOT Career Path for Deck Personnel
US Coast Guard Mandated



NCDOT Career Path for Engine Room Personnel
US Coast Guard Mandated



Community College Apprentices Program

Ferry Division has partnered with the College of The Albemarle to offer apprenticeships for students enrolled in the Welding Technology Program

- The first internships were offered to nine COA students of the welding technology program over the summer of 2018.
- Continuing internships for summer 2019
- Staff exploring other internship and apprenticeship programs
 - N.C. Community College System
 - Dare County Schools

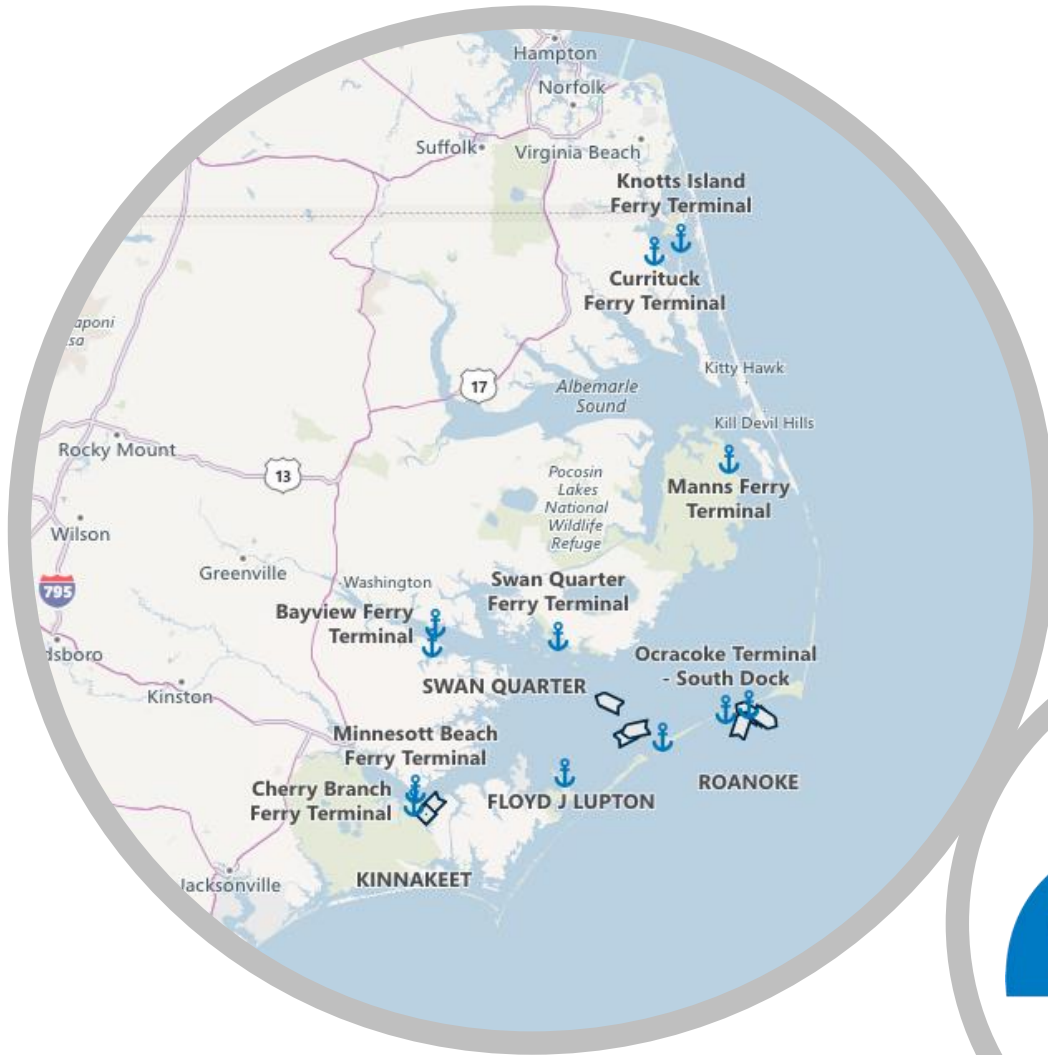


New Technology

Operational and customer service benefits

Vessel tracking technology

- Real time location of vessels
- Valuable to staff for monitoring fleet
- Convenient for passengers

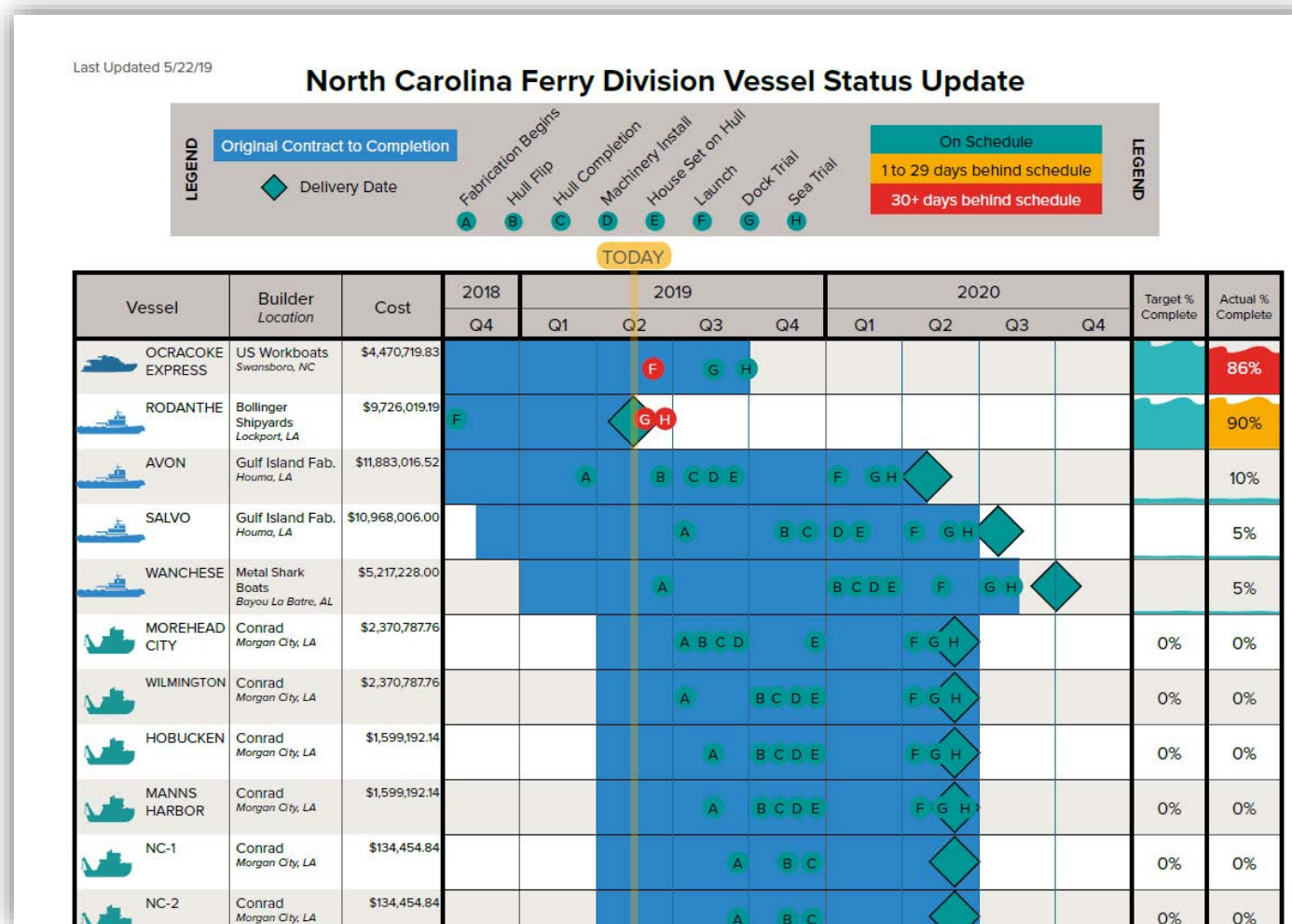


NC Quick Pass

- Uses technology already available to NCDOT
- Customer service benefits
- Would incorporate Commuter and Priority passes
- Streamlines reporting

New Vessel Construction

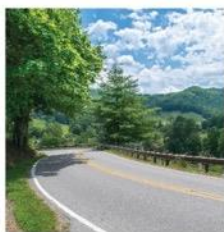
- More vessel construction underway now than at any other point in Ferry Division's history
- 2 vessels scheduled for 2019 delivery
 - M/V Rodanthe
 - Ocracoke Express
- 9 vessels with scheduled delivery in 2020
 - Includes ferries and support tugs





NORTH CAROLINA

Department of Transportation



Ferry Division Overview

Harold Thomas

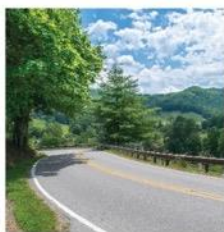
Director

hbthomas@ncdot.gov

252-423-5102



NORTH CAROLINA Department of Transportation



Rail Division Update

Jason Orthner, PE
Rail Division Director

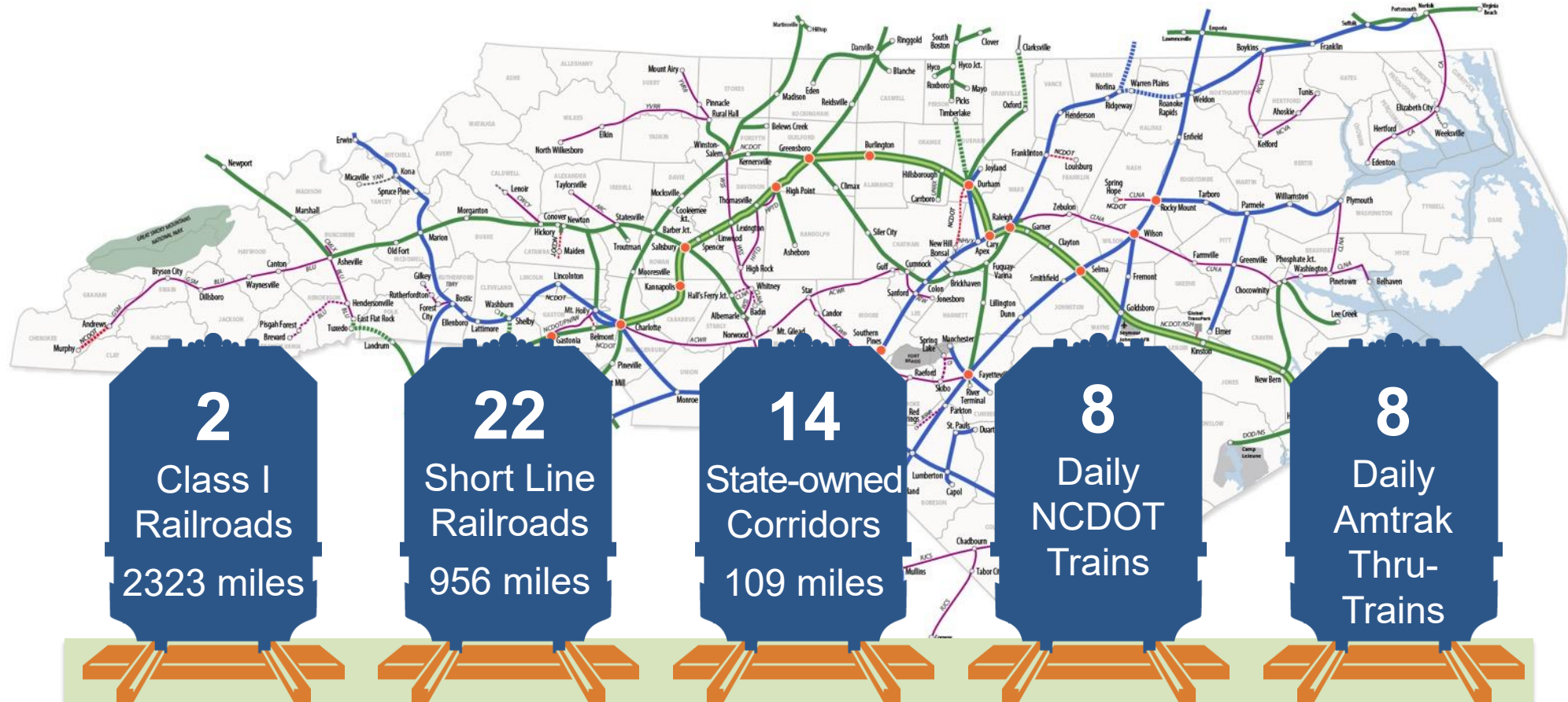
June 5, 2019

Rail Division Mission



The safe and efficient movement of people and goods on North Carolina's railroads through freight, passenger and safety programs, supporting job creation and economic growth.

Railroads Operate in 86 NC Counties



Direct Economic Impacts for Freight and Passenger Rail in North Carolina – \$1,875M

Freight – \$1,754M, Passenger – \$121M*

Source: North Carolina Comprehensive State Rail Plan, 2015

*Based on Amtrak survey.

Rail Programs & Services



Planning & Development

- Intermodal & Freight Planning
- STI & Project Development
- Freight Improvement Program Management
- Passenger Rail Planning
- Environmental Documentation



Engineering Coordination & Safety

- Crossing Safety Studies
- Crossing Surfaces & Rail Encroachments
- Grade Separation Design
- Inventory & Data
- RR/Transit Safety Oversight
- Safety Outreach & Training



Engineering Design & Construction

- Rail Project Engineering & Design
- Construction Management
- Highway Project Delivery Support
- Signals & Devices



Operations & Facilities

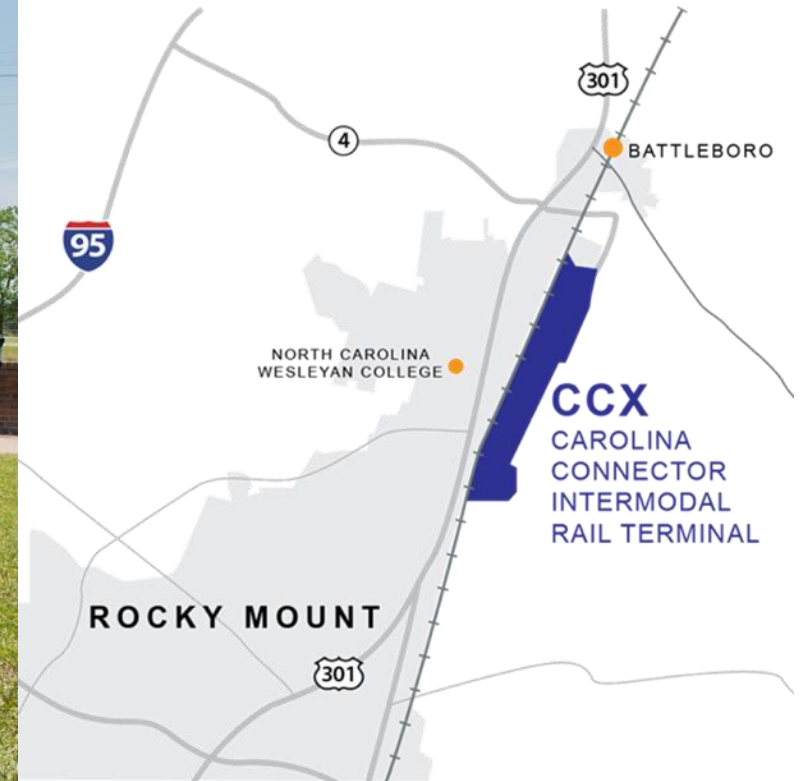
- Passenger Operations
- Equipment, Facilities & Stations
- Customer Service
- Rail Corridor Preservation

Major Initiatives Update

- Carolina Connector (CCX)
- Working with the Ports
- Southeast Corridor Development
- Rail Operations Improvements
- Charlotte Gateway Station Construction
- Freight Rail and Rail Crossing Safety Improvement (FRRCSI)
- STI Project Delivery
- State Rail Plan update



Carolina Connector (CCX) Groundbreaking



Carolina Connector (CCX) Update

- **Terminal Funding**

- \$118.1M (NCDOT)
 - includes engineering, terminal and railroad construction
- \$40M (CSX)
 - includes land acquisition, a portion of terminal equipment, environmental work, administrative and development costs

- **NCDOT expenditures to date: \$25M**

- **Construction begins: Spring 2019**

- **Construction timeline: 18-20 months**

- **Marketing coordination underway**

- Includes NCDOT, CSX, Carolinas Gateway Partnership and other regional economic development partners



Working with the NC Ports

Queen City Express

- Rail container service between Wilmington and Charlotte
- Rail route improvements underway
 - Passing siding improvements, power switches, grade separations

Wilmington Port access improvements

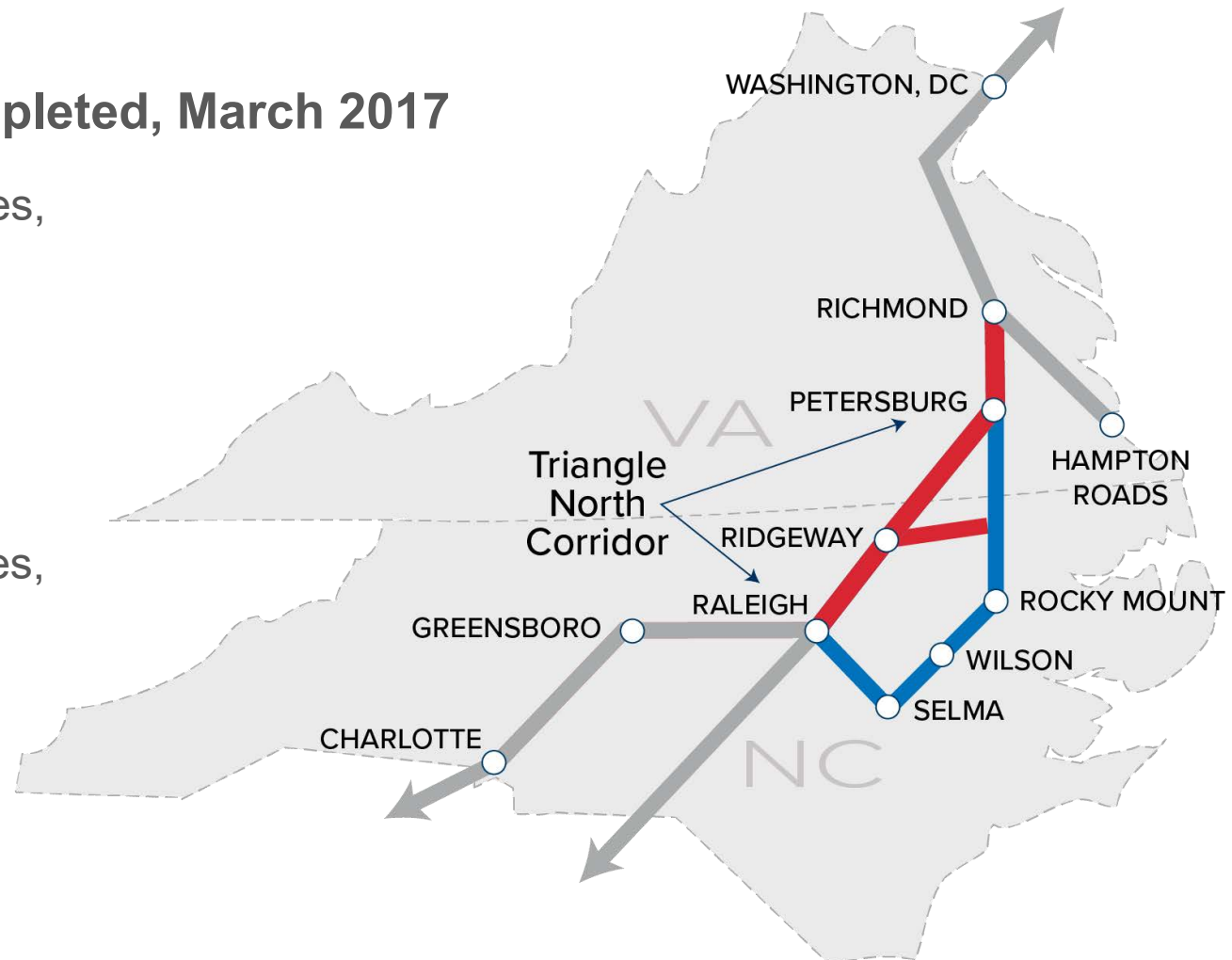
- Developing near-term improvements to existing route to improve safety and speeds
- Coordination with long-range rail realignment



Importance of SEC Development

Federal Record of Decision Completed, March 2017

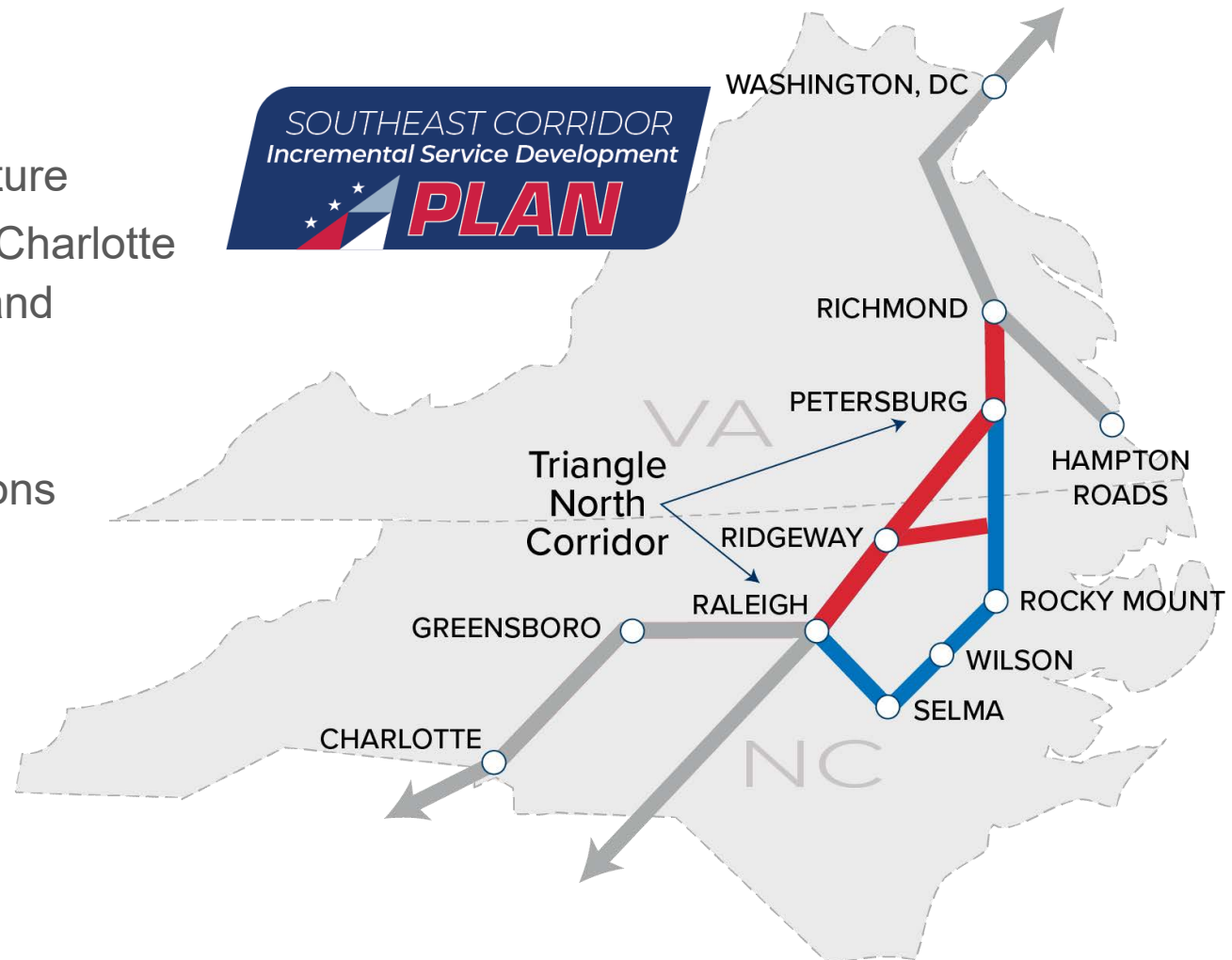
- Economic development opportunities, Triangle North Corridor
- Improving network resiliency
- Connecting rural and urban centers
- Faster connectivity
- Economic development opportunities, Triangle North Corridor
- Expanding freight and passenger rail
- Reliable connections to NEC



Southeast Corridor

Work is underway on ISDP:

- Opportunities to phase infrastructure
- Possible extension of Raleigh to Charlotte intercity service to Wake Forest and Henderson
- Analyzes new service schedules to Washington, DC and connections to Virginia services
- Corridor acquisition strategy
- Leveraging projects for Federal funding opportunities





Recent Activity

- **Compact Meeting, March 2016:**
 - Voted to start the process of inviting other states in the Southeast
 - Asked NCDOT and VA DRPT staff to develop a list of joint grant applications
- **In the FY17 Omnibus Bill, Congress provided \$1M Federal funding for the Southeast Corridor Rail Commission**
- **Compact Meeting, November 2017:**
 - Noted that political strategy will need to be executed to add other states
 - Voted to request FRA to provide \$1M grant to stand up a Southeast Rail Commission, NCDOT to administer
- **Continue coordination with VA DRPT and NC Delegation in 2019**



Rail Passenger Operations

Recent Successes

- Added 3rd *Piedmont* round trip in June 2018
- Opened Raleigh Union Station July 2018
- *Piedmont* – Highest Customer Satisfaction in nation, November 2018 - March 2019

Ongoing Efforts

- *Piedmont* Schedule analysis
- 5th Raleigh-Charlotte frequency study
- *Piedmont* equipment upgrades
- Working with communities on passenger rail



Charlotte Gateway Station

- Moving station to Uptown
- Anticipated to significantly increase ridership
- Current station not easily accessible – small, outdated, and subject to flooding
- Phase 1 under construction; targeted for completion in 2022
- Working with City of Charlotte to develop station area





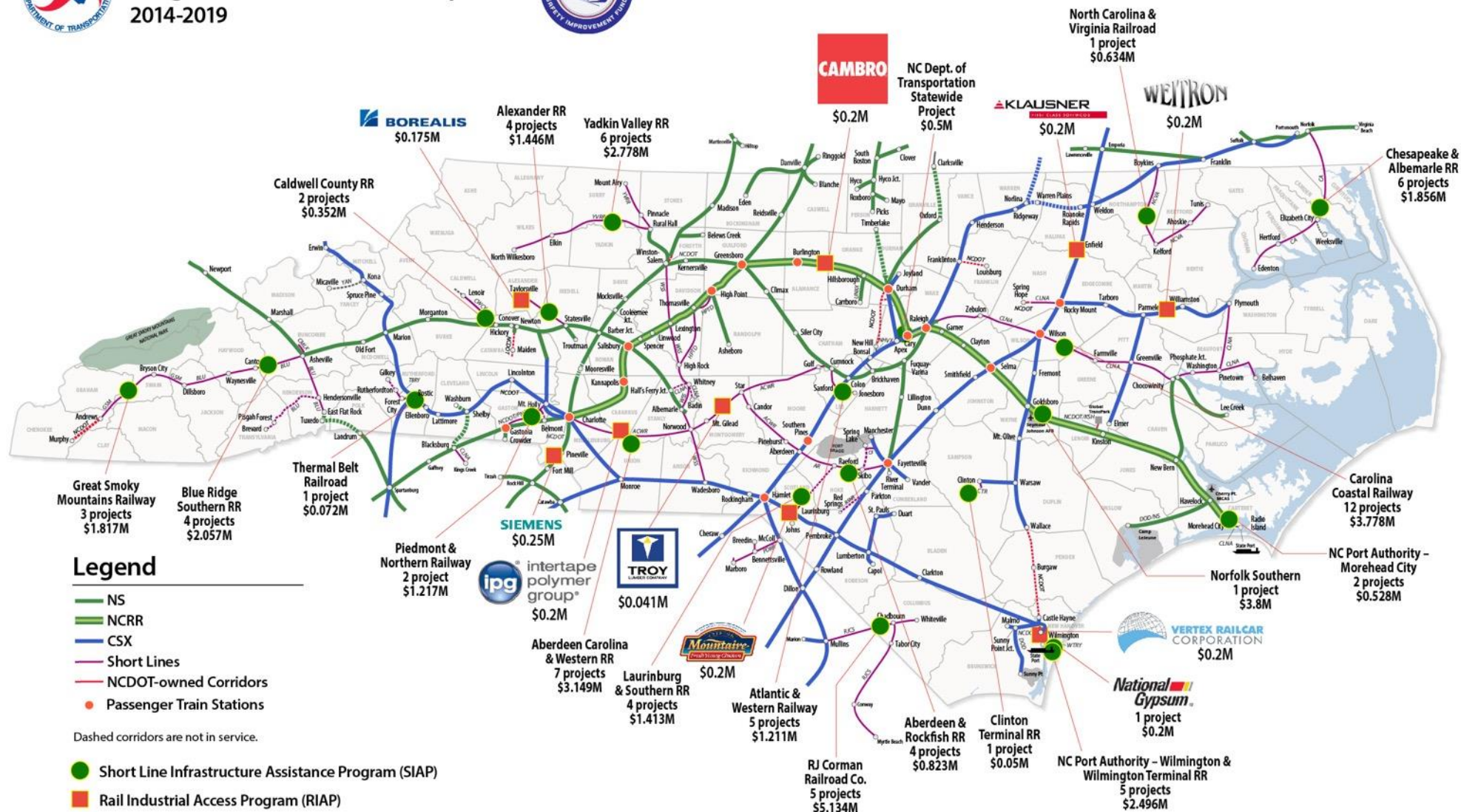
Freight Rail & Rail Crossing Safety Fund Accomplishments to Date

- Private Capital Investment – \$637.3M
- Supported 21 new industry expansion projects
- Created over 1,000 jobs
- Added over 12,500 annual carloads to the network
- Upgraded 107 miles of short line railroad
- Modernized 72 bridges
- Improved 1,010 railroad crossings
- Removed 13 railroad crossings
- Invested \$3M in NC Ports





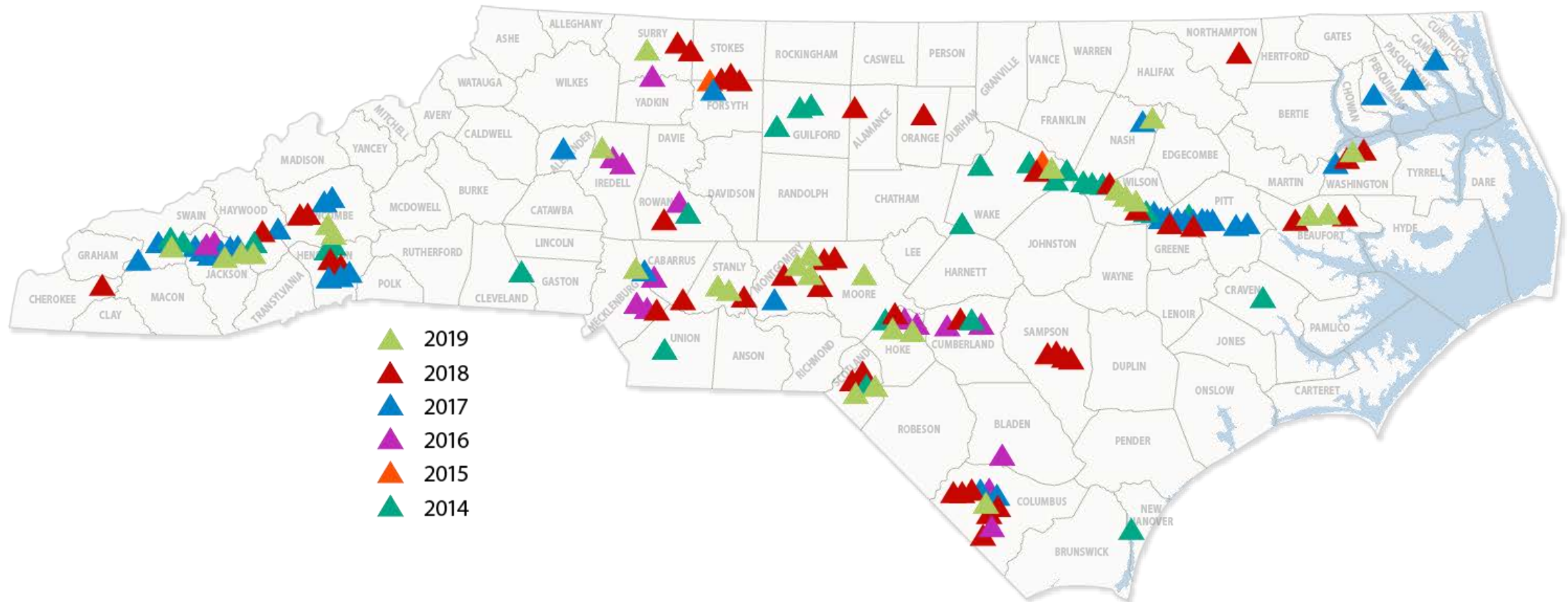
State of NC Investment in Freight Rail Economic Development 2014-2019





CSSI

Rail Safety Projects



STI Rail Project Delivery

- Funded projects include:
 - Grade separations: **27 projects**
 - Terminals: **3 projects**
 - Track Improvements: **15 projects**
 - Station-related: **3 projects**
- Projects developed and administered by experts in Rail Division



State Rail Plan Update

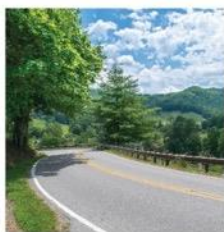
- Defines the state's vision for rail and guides statewide freight and passenger rail investments over next 25 years, including recommendations on funding strategy
- Required by PRIIA and FAST Act
- Last updated in 2015
- Stakeholder coordination efforts are underway
 - Technical Advisory Committee
 - Outreach to multiple stakeholders
- Will be complete late 2019





NORTH CAROLINA

Department of Transportation



Questions?

Jason Orthner, PE

Rail Division Director
jorthner@ncdot.gov
(919) 707-4700



ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

BOARD OF TRANSPORTATION
JUNE 5, 2019

TIME: 12:45-1:00 PM

LOCATION: Room 160

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Approval of April 2019 Road/Bridge/Ferry Naming Committee Meeting Minutes	Mike Fox, Chair	12:45 AM
NCAA National Championship, 2018 Women's Field Hockey, University of North Carolina, Chapel Hill – 8 x Signs	Dom Ciaramitaro	12:50 PM
Adjourn	All	1:00 PM

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

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

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

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

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

NOW, THEREFORE, BE IT RESOLVED:

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

That appropriate signs will be erected at a suitable time.

Adopted this the 6th day of June 2019 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation