



MEETING AGENDA
Monthly Meeting of the North Carolina Board of Transportation
 1 South Wilmington Street Raleigh, North Carolina 27601
November 4-5, 2015

WEDNESDAY, NOVEMBER 4, 2015

10:00AM – 12:00PM

Highway Committee	Room 150
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10:30AM – 12:00PM

Multi-Modal Committee	EIC
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12:00PM LUNCH IS AVAILABLE

12:15PM Working Lunch – Full Board Attendance Room 150

<ul style="list-style-type: none"> Chief Financial Officer Update - September Quarterly Review 	David Tyeryar
<ul style="list-style-type: none"> Product Evaluation Program Awareness 	Jimmy Travis
<ul style="list-style-type: none"> DMV Reform Demonstration 	Commissioner Kelly Thomas Deputy Commissioner Randy Dishong

1:45PM – 2:00PM BREAK

2:00PM – 3:00PM

Funding Appropriations and Strategies Committee	EIC
Economic Development & Intergovernmental Relations Committee	Room 150

3:00PM – 3:30PM

Road Naming Committee	Room 160
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3:30PM – 4:00PM

General Meeting Time	Various Locations
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THURSDAY, NOVEMBER 5, 2015NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

- Call to Order Chairman Curran
- Invocation Jake Alexander
- Ethics Declaration Chairman Curran
- Approval of October Board Meeting Minutes Chairman Curran
- Resolution for Trooper Clarence L. Swartz Chairman Curran

INFORMATION AND DELEGATED AUTHORITY**Secretary's Remarks**

Secretary Tennyson

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

DMV Reform

Commissioner Thomas
Deputy Commissioner Dishong

Division 5 Update

Jeffrey Sheehan

ACTION

Chairman Curran

Approval of Projects

- (Item G) Additions and Abandonments to State Secondary Road System
 (Item I) Public Transportation Program
- (Item I-1A) Public Transportation
 - (Item I-2) Rail Program
 - (Item I-4) Aviation
- (Item K) North Carolina Highway Trust Funds
 (Item M) Funds for Specific Federal-Aid Projects
 (Item N) TIP Amendments
 (Item O) Municipal and Special Agreements
 (Item R) Right of Way Resolutions and Ordinances
 (Item T) Submission of Comprehensive Transportation Plans for Adoption

Committee Reports

Chairman Curran

Other Business**Adjourn**

PROJECTS LIST
NORTH CAROLINA BOARD OF TRANSPORTATION
RALEIGH, NORTH CAROLINA
November 4 - 5, 2015

Delegated Authority Secretary Tennyson

- (Item C) Award of Highway Construction Contracts from June 16, 2015 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 Curran

- (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-2) Rail Program
 - (Item I-3) Bicycle and Pedestrian
 - (Item I-4) Aviation
- (Item J) Specific State Funds for Construction Projects
- (Item K) North Carolina Highway Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) Revisions to the 2012-2020 and 2016-2025 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations
- (Item T) Submission of Comprehensive Transportation Plans for Mutual
Adoption by the Board of Transportation

NCDOT Board of Transportation Agenda

ITEM C

October 2015

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

HIGHWAY LETTING
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH N.C.
 OCTOBER 20, 2015
 DIVISION 00001

C203756
 32635.3.9
 BRNHF-0012(62)
 DARE
 B-2500AB

PROPOSAL LENGTH 1.017 MILES
 TYPE OF WORK GRADING, DRAINAGE, PAVING & STRUCTURE.
 LOCATION NC-12 - SHORT-TERM IMPROVEMENTS AT PEA ISLAND (PHASE II).

EST CONST PROGRESS.... FY-2016..49% OF BID
 FY-2017..50% OF BID
 FY-2018..01% OF BID

RPN 001 8 BIDDER(S) DBE GOAL 1.00 %
 ESTIMATE 22,188,035.55

DATE AVAILABLE NOV 30 2015
 INTER COMPLETION SEE BELOW-COMplete ALL WORK REQUIRED OF PHASE 1, STEP 1 THRU PHASE II,
 STEP 4
 FINAL COMPLETION JUL 15 2017

	\$ TOTALS	% DIFF
T. A. LOVING COMPANY GOLDSBORO, NC	16,770,500.00	-24.4
FLATIRON CONSTRUCTORS INC MORRISVILLE, NC	17,884,785.00	-19.4
SMITH-ROWE, LLC MOUNT AIRY, NC	18,962,355.96	-14.5
S. T. WOOTEN CORPORATION WILSON, NC	20,095,017.03	-9.4
MCLEAN CONTRACTING CO.	20,616,292.02	-7.1
INFRASTRUCTURE AND INDUSTRIAL CONSTRUCTORS SOUTHEAST, INC. VIR	20,773,141.44	-6.4
THALLE CONSTRUCTION CO., INC. HILLSBOROUGH, NC	26,498,111.01	+19.4
CONTI ENTERPRISES, INC EDISON, NJ	29,937,477.00	+34.9

SUMMARY OF BIDS FOR CONTRACT C203756 WITH THE CONTRACT TIME BEING BID BY EACH BIDDER

DAILY COST = \$5,000.00 / DAY

MAXIMUM NUMBER OF DAYS ALLOWED = 532

	CONTRACT TIME (CALENDAR DAYS)	CONTRACT AWARD BASIS	ACTUAL CONTRACT AMOUNT
ESTIMATED	502	22,188,035.55	19,678,035.55
T. A. LOVING COMPANY	500	16,770,500.00	14,270,500.00
FLATIRON CONSTRUCTORS INC	270	17,884,785.00	16,534,785.00
SMITH-ROWE, LLC	532	18,962,355.96	16,302,355.96

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
OCTOBER 20, 2015

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SUMMARY OF BIDS FOR CONTRACT C203756 WITH THE CONTRACT TIME BEING BID BY EACH BIDDER

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MAXIMUM NUMBER OF DAYS ALLOWED = 532

	CONTRACT TIME (CALENDAR DAYS)	CONTRACT AWARD BASIS	ACTUAL CONTRACT AMOUNT
ESTIMATED	502	22,188,035.55	19,678,035.55
S. T. WOOTEN CORPORATION	502	20,095,017.03	17,585,017.03
MCLEAN CONTRACTING CO.		20,616,292.02	20,616,292.02
INFRASTRUCTURE AND INDUSTRIAL CONSTRUCTORS SOUTHEAST, INC.	403	20,773,141.44	18,758,141.44
THALLE CONSTRUCTION CO., INC.	472	26,498,111.01	24,138,111.01
CONTI ENTERPRISES, INC	500	29,937,477.00	27,437,477.00

*ACTUAL CONTRACT AMOUNT = CONTRACT AWARD BASIS - (CONTRACT TIME) (DAILY COSTS)

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
OCTOBER 20, 2015
DIVISION 00003

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C203760
2016CPT.03.09.10101, 2016CPT.03.09.20101
STATE FUNDED
BRUNSWICK

PROPOSAL LENGTH 16.250 MILES

TYPE OF WORK RESURFACING, SHOULDER RECONSTRUCTION, GUARDRAIL, & SIGNALS.

LOCATION US-17 FROM SOUTH CAROLINA STATE LINE TO NC-904 AND 14 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2016..67% OF BID
FY-2017..33% OF BID

RPN 002 3 BIDDER(S) MBE GOAL 4.00 % WBE GOAL 6.00%
ESTIMATE 5,327,061.08

DATE AVAILABLE FEB 04 2016

INTER COMPLETION MAY 25 2016 SHOULD WORK BEGIN ON MAPS #1 & #2, COMPLETE PAVING OF MILLED SECTIONS AND INSTALLATION OF MARKINGS & MARKERS

FINAL COMPLETION NOV 18 2016

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	5,596,356.50	+5.1
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	5,712,116.79	+7.2
HIGHLAND PAVING CO., LLC FAYETTEVILLE, NC	5,799,423.27	+8.9

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
OCTOBER 20, 2015
DIVISION 00007

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C203625
40151.3.2
BRZ-2719(1)
GUILFORD
B-4959

PROPOSAL LENGTH 0.127 MILES

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

LOCATION BRIDGE #193 OVER BUFFALO CREEK ON SR-2719 (HIGH ROCK RD).

EST CONST PROGRESS.... FY-2016..77% OF BID
FY-2017..23% OF BID

RPN 003 8 BIDDER(S) DBE GOAL 7.00 %

ESTIMATE 1,084,394.60

DATE AVAILABLE MAR 01 2016

INTER COMPLETION SEP 07 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION AND/OR
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION MAR 06 2017

	\$ TOTALS	% DIFF
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	957,388.91	-11.7
APPLE TUCK & ASSOCIATES, INC. RUTHERFORDTON, NC	1,006,575.84	-7.2
SMITH-ROWE, LLC MOUNT AIRY, NC	1,022,649.19	-5.7
DANE CONSTRUCTION, INC. MOORESVILLE, NC	1,105,047.73	+1.9
DELLINGER, INC. MONROE, NC	1,238,906.93	+14.2
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	1,260,915.77	+16.3
LEE CONSTRUCTION COMPANY OF THE CAROLINAS, INC. PINEVILLE, NC	1,299,602.41	+19.8
ALLEGHENY CONSTRUCTION CO INC ROANOKE, VA	1,581,250.34	+45.8

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
OCTOBER 20, 2015
DIVISION 00007

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C203627
55063.3.F1
CMS-0710(29)
GUILFORD
C-5558

PROPOSAL LENGTH 80.000 MILES
TYPE OF WORK COMPUTERIZED SIGNAL SYSTEM.
LOCATION CITY OF HIGH POINT.

EST CONST PROGRESS.... FY-2016..26% OF BID
FY-2017..37% OF BID
FY-2018..26% OF BID
FY-2019..11% OF BID

RPN 004 4 BIDDER(S) DBE GOAL 4.00 %
ESTIMATE 8,870,123.35

DATE AVAILABLE NOV 30 2015
FINAL COMPLETION FEB 15 2019

	\$ TOTALS	% DIFF
HAYNES ELECTRIC UTILITY CORP. ASHEVILLE, NC	7,099,452.53	-20.0
TRAFFIC CONTROL DEVICES, INC. ALTAMONTE SPRINGS, FL	7,406,170.90	-16.5
BROOKS BERRY HAYNIE & ASSOCIATES, INC. MABLETON, GA	7,899,907.25	-10.9
ALS OF NORTH CAROLINA, INC.	7,948,886.20	-10.4

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
OCTOBER 20, 2015
DIVISION 00008

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C203616
38551.3.FD1
BRZ-1111(8)
MONTGOMERY
B-4780

PROPOSAL LENGTH 0.114 MILES

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

LOCATION BRIDGE #22 OVER RICHLAND CREEK ON SR-1111 (LILLY'S BRIDGE RD).

EST CONST PROGRESS.... FY-2016..100% OF BID

RPN 005 7 BIDDER(S) DBE GOAL 7.00 %
ESTIMATE 644,552.85

DATE AVAILABLE NOV 30 2015 THRU MAR 15 2016

INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, AND/OR PERMANENT
VEGETATION ESTABLISHMENT 135 DAYS AFTER START DATE

FINAL COMPLETION 315 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
MOUNTAIN CREEK CONTRACTORS INC NORTH CHARLESTON, SC	594,908.06	-7.7
D.H. GRIFFIN INFRASTRUCTURE, LLC GREENSBORO, NC	608,126.55	-5.7
SMITH-ROWE, LLC MOUNT AIRY, NC	618,539.25	-4.0
LYNN THOMAS GRADING INC POLKTON, NC	662,770.20	+2.8
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	662,952.16	+2.9
COUNTRY BOY LANDSCAPING INC HARMONY, NC	664,444.44	+3.1
DANE CONSTRUCTION, INC. MOORESVILLE, NC	732,709.00	+13.7

HIGHWAY LETTING
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH N.C.
 OCTOBER 20, 2015
 DIVISION 00009

C203587
 38331.3.FR1
 STPNHS-0052(31)
 DAVIDSON
 B-3159

PROPOSAL LENGTH 0.289 MILES
 TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, RET WALL, AND STRUCTURE.
 LOCATION BRIDGE #27 OVER US-29/64/70 AND I-85 BUS LOOP ON US-52.

EST CONST PROGRESS.... FY-2016..12% OF BID
 FY-2017..43% OF BID
 FY-2018..29% OF BID
 FY-2019..16% OF BID

RPN 006 8 BIDDER(S) DBE GOAL 13.00 %
ESTIMATE 10,212,901.43

DATE AVAILABLE APR 01 2016
 INTER COMPLETION MAY 01 2019 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, AND/OR
 PERMANENT VEGETATION ESTABLISHMENT
 FINAL COMPLETION OCT 28 2019

	\$ TOTALS	% DIFF
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	10,164,621.36	-0.5
BLYTHE DEVELOPMENT CO. CHARLOTTE, NC	11,238,525.56	+10.0
SMITH-ROWE, LLC MOUNT AIRY, NC	11,376,522.56	+11.4
BRANCH HIGHWAYS, INC. ROANOKE, VA	11,493,125.56	+12.5
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	12,308,076.53	+20.5
HRI INC DBA HRI BRIDGE COMPANY STATE COLLEGE, PA	13,200,573.39	+29.3
W. C. ENGLISH, INC. LYNCHBURG, VA	14,512,944.27	+42.1
CONTI ENTERPRISES, INC EDISON, NJ	18,217,712.00	+78.4

HIGHWAY LETTING
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH N.C.
 OCTOBER 20, 2015
 DIVISION 00014

C203318
 41902.3.FR1
 STP-064B(3)
 TRANSYLVANIA
 U-5104

PROPOSAL LENGTH 0.666 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS & WALLS.

LOCATION CALDWELL ST FROM US-64 (ROSMAN HIGHWAY) TO PROBART ST.

EST CONST PROGRESS.... FY-2016..25% OF BID
 FY-2017..67% OF BID
 FY-2018..08% OF BID

RPN 007 7 BIDDER(S) DBE GOAL 7.00 %
ESTIMATE 4,052,622.07

DATE AVAILABLE APR 01 2016

INTER COMPLETION OCT 01 2017 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION AND/OR
 PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION MAR 30 2018

	\$ TOTALS	% DIFF
WATSON CONTRACTING, INC. FRANKLIN, NC	3,895,629.00	-3.9
BUCHANAN AND SONS INC WHITTIER, NC	3,945,589.21	-2.6
GLF CONSTRUCTION CORPORATION MIAMI, FL	4,054,398.30	+0.0
THUNDER CONTRACTING, INC. WAYNESVILLE, NC	4,347,452.10	+7.3
TENNOCA CONSTRUCTION COMPANY CANDLER, NC	4,467,241.64	+10.2
NHM CONSTRUCTORS, LLC ASHEVILLE, NC	4,770,122.18	+17.7
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	4,943,787.97	+22.0

ESTIMATE TOTAL	49,869,690.93	
LETTING TOTAL	42,578,856.36	-14.6

**NCDOT November 2015
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

Preconstruction

Roadway Design

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

DIVISION 3

Project:	41582.1.1 (R-5021) Brunswick County NC 211 from SR 1500 (Midway Road) to NC 87
Scope of Work:	Roadway and Hydraulic Design, and Traffic Management Plan
Estimated Construction Cost:	\$40,600,000.00
Firm:	HNTB of North Carolina, PC, Raleigh, NC
Original Engineering Fee:	\$452,507.05
Previous Supplemental Fee:	\$133,252.86
Supplemental Fee:	\$39,085.89
Supplemental Work:	Due to the complexity of the construction phasing and the recent utility improvements along the corridor, more work was required to prepare the right of way and traffic control plans for the above referenced project than was anticipated
SPSF Utilization:	0%

DIVISION 10

Project:	34749.1.1 (U-209B) Mecklenburg County US 74 (Independence Boulevard) from NC 24- 27 (Albemarle Road) to Idlewild Road in Charlotte
Scope of Work:	Roadway and Hydraulic Design
Estimated Construction Cost:	\$70,272,000.00
Firm:	AECOM Technical Services of North Carolina, Raleigh, NC
Original Engineering Fee:	\$580,244.04
Previous Supplemental Fee:	\$468,515.31
Supplemental Fee:	\$ 14,929.05
Supplemental Work:	Revise Roadway and Hydraulic Design
DBE/WBE/SPSF Utilization:	Wetherill Engineering, Inc. \$3,806.42 26%

November 5, 2015

Chief Engineer

Transportation Mobility and Safety

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

STATEWIDE

Description of Work:	Transportation Mobility and Safety Services On-Call
Firm:	Stantec Consulting Services, Inc., Raleigh, NC
Original Engineering Fee:	\$2,000,000.00
Previous Supplemental Fee:	\$ 750,000.00
Supplemental Fee:	\$ 200,000.00
SPSF Utilization:	0%

Description of Work:	Transportation Mobility and Safety Services On-Call
Firm:	Kimley-Horn & Associates, Inc., Cary , NC
Original Engineering Fee:	\$2,000,000.00
Previous Supplemental Fee:	\$ 400,000.00
Supplemental Fee:	\$ 200,000.00
SPSF Utilization:	0%

Description of Work:	Transportation Mobility and Safety Services On-Call
Firm:	Hatch Mott McDonald I&E, LLC, Fuquay- Varina, NC
Original Engineering Fee:	\$2,500,000.00
Previous Supplemental Fee:	\$ 500,000.00
Supplemental Fee:	\$ 200,000.00
SPSF Utilization:	0%

Description of Work:	Transportation Mobility and Safety Services On-Call
Firm:	HNTB of North Carolina, PC, Raleigh, NC
Original Engineering Fee:	\$2,750,000.00
Previous Supplemental Fee:	\$ 750,000.00
Supplemental Fee:	\$ 400,000.00
SPSF Utilization:	0%

Description of Work:	Transportation Mobility and Safety Services On-Call
Firm:	RS&H Architects-Engineers-Planners, Inc., Charlotte, NC
Original Engineering Fee:	\$500,000.00
Supplemental Fee:	\$200,000.00
SPSF Utilization:	0%

November 5, 2015

Construction

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

STATEWIDE

Description of Work:	Construction Engineering and Inspection Limited Services
Firm:	Volkert, Inc., Raleigh, NC
Original Engineering Fee:	\$10,000,000.00
Supplemental Fee:	\$ 5,000,000.00
SPSF Utilization:	0%

Technical Services

Transportation Program Management

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

DIVISION 10

Project:	I-3311C, I-5405, I-4750AA Mecklenburg & Iredell Counties I-77 from I-277 in Charlotte to Exit 36 at Mooresville
Scope of Work:	Study for the I-77 HOV to HOT conversion
Estimated Construction Cost:	N/A (Study)
Firm:	KPMG Corporate Finance, LLC, Austin, Texas
Original Engineering Fee:	\$2,500,000.00
Previous Supplemental Fee:	\$3,450,000.00
Supplemental Fee:	\$ 740,000.00
Supplemental Work:	Commercial and Financial Support (Developing and refining contract administration plan; Support with developing tools to enhance monitoring and administering the contract; Additional stakeholder meetings; Contract administration).
SPSF Utilization:	0%

STATEWIDE

Project:	W02744 STATEWIDE
Scope of Work:	Statewide Asset Scan and Assessment
Estimated Construction Cost:	Statewide Asset Scan and Assessment
Firm:	N/A
Original Engineering Fee:	KPMG Corporate Finance, LLC, Austin, Texas
Previous Supplemental Fee:	\$ 470,000.00
Supplemental Fee:	\$5,045,000.00
Supplemental Work:	\$1,170,000.00
	Provide Legislative support to NCDOT management (Asset Management Assessment Workshop, Develop Implementation Plan, Restructure Plan, Programmatic Structuring and Delivery.)
	Provide strategic, financial, commercial, and pre-procurement advisory services to NCDOT in support of its strategic initiatives.
SPSF Utilization:	0%

NCDOT November 2015 Board of Transportation Agenda

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.

Secondary Road Improvement Projects (Highway and Trust Funds)

County	SR No.	Description	Amount
Brunswick Div. 3	SR 1113 Hickory View Road	GDB&P. Increase Funds. WBS 3C.010098	\$154,000.00
Franklin Div. 5	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 5C.035005	\$4,500.00
Vance Div. 5	Various	Paved Road Improvements. Increase Funds. WBS 5C.091038	\$333,777.19
Warren Div. 5	Various	Paved Road Improvements. Increase Funds. WBS 5C.093065	\$565,579.59
Warren Div. 5	SR 1529 Big Reid Road	GDB&P. Increase Funds. WBS 5C.093050	\$319,000.00
Buncombe Div. 13	SR 1272 Eastview Circle	Paved Road Improvements. WBS 13C.011217	\$240,000.00
Jackson Div. 14	SR 1730 Watson Cove Road	GDB&P. WBS 14C.050164	\$20,000.00
Polk Div. 14	SR 1328 Robertson Road	GDB&P. Increase Funds. WBS 14C.075095	\$150,000.00

Deletions

County	SR No.	Reason	Amount
Warren Div. 5	SR 1223 John Edwards Road	GDB&P. Unavailable Right of Way. WBS 5C.093049	-\$255,000.00
Cleveland Div. 12	SR 1579 Joe Hoyle Road	GDB&P. Unavailable Right of Way. WBS 12C.023113	-\$223,996.75
Swain Div. 14	SR 1309 Lower Alarka Road	Guardrail Installation. To be Built at a Later Date. WBS 14C.087067	-\$34,899.34

November 2015 Item E Summary:

8	Projects to Increase Funds	Amount:	\$1,786,856.78
0	Projects to Increase and Close	Amount:	\$0.00
3	Projects to Delete	Amount:	-\$513,896.09

NCDOT November 2015 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 1				
Chowan	50915		Albemarle Shores Subdivision	9/23/15
		0.65	Osprey Drive	
		0.58	Pelican Court	
Division 3				
New Hanover	50916		Deer Crossing Subdivision	9/23/15
		0.06	Fawn Settle Drive, SR 3117 Ext.	
		0.12	Soaring Spirit Drive, SR 3115 Ext.	
		0.05	Settlers Dream Place	
Onslow	50917		Live Oaks Estates Subdivision	8/28/15
		0.24	Sugarberry Court	
Onslow	50918		Cannons Edge Subdivision	8/26/15
		0.13	Prelude Drive	
		0.21	Adagio Trail	
		0.04	Prelude Drive	
		0.09	Opus Court	
Division 4				
Wayne	50919		Walnut Pointe Subdivision	8/31/15
		0.04	Loudon Place	
		0.04	Bradford Place	
		0.05	Tucker Place	
		0.33	Brisbayne Circle	
		0.05	Walnut Cove	
		0.72	Pointe Drive	
Division 5				
Wake	50920		Seville Subdivision	8/26/15
		0.27	Valencia Court	
Wake	50921		Johnson Pointe Subdivision	9/30/15
		0.14	Accipiter Court	
		0.09	Buteo Court	
Division 6				
Cumberland	50922		Ellerslie Subdivision	9/11/15
		0.08	Pepperwood Drive, SR 2543 Ext.	
		0.11	Raymede Court	
Harnett	50923		White Pines Subdivision	9/11/15
		0.21	Fred McLeod Lane	

November 5, 2015

NCDOT November 2015 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 6				
Harnett	50924		Waterford Subdivision	9/10/15
		0.24	Waterford Drive	
		0.06	Oxford Drive	
		0.09	Ashcott Drive	
		0.12	Newbury Drive	
Harnett	50925		Legacy at Rawls Subdivision	9/10/15
		0.24	Riverwood Drive	
		0.29	Woodfield Court	
Division 7				
Guilford	50926		Stoney Creek Subdivision	8/5/15
		0.07	Centercrest Drive	
		0.06	Golf House Road West, SR 4760 Ext.	
		0.32	Interstate Drive	
Guilford	50927		Sterlingshire West Subdivision	7/31/15
		0.21	Falkirk Drive, SR 5016 Ext.	
		0.14	McAdams Court	
		0.14	Stoneykirk Drive	
Guilford	50928		Sedalia Subdivision	9/14/15
		0.28	Bogues Way	
		0.21	Cushman Road	
Guilford	50929		Keston Downes Subdivision	9/14/15
		0.10	Lindenwold Drive	
Guilford	50930		Hickory Meadow Subdivision	9/3/15
		0.31	Hickory Meadow Road	
		0.07	Thornbrook Road	
Division 8				
Chatham	50931		Shambley Meadows Subdivision	4/7/15
		0.60	Blarney Stone Circle	
		0.40	Shambley Meadows Drive	
Chatham	50932		Henry's Ridge Subdivision	9/23/15
		0.05	Henry's Hill Lane	
Hoke	50933		Eagles Ridge Subdivision	7/21/15
		0.44	Blackhawk Lane	
		0.32	Feathers Lane	

November 5, 2015

NCDOT November 2015 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 8				
Randolph	50934	0.06	Freedom Park Subdivision Freedom Trail, SR 2994 Ext.	8/31/15
Division 9				
Forsyth	50935	0.71	Research Parkway	10/9/15
Forsyth	50936	0.16 0.10	Aspen Forest Subdivision Aspen Forest Lane McKinney Court	10/2/15
Rowan	50937	0.56	Prospective Drive (To be renamed Chamandy Drive)	9/8/15
Division 10				
Cabarrus	50938	0.71	Raging Ridge Road	9/7/15
Division 12				
Iredell	50939	0.65	Odessa Drive	9/30/15
Iredell	50940	0.07 0.05	Deercroft Subdivision Ridgegate Lane Antler Drive	2/27/15
Lincoln	50941	0.57	Kettle Creek Subdivision Kettle Creek Court	9/30/15
Lincoln	50942	0.97	Brevard Place, Lake Forest, Donaphan Hills, Shady Oaks Subdivision Arden Gate Drive	10/5/15

Road Abandonments:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 4				
Wayne	50943	0.40	SR 1139 Bert Martin Road	10/5/15
Wayne	50944	0.22	SR 1168 Henderson Street	10/5/15
Wayne	50945	1.03	SR 1174 Henderson Street	10/5/15

November 5, 2015

NCDOT November 2015 Board of Transportation Agenda

Road Abandonments:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 4				
Wayne	50946	0.16	SR 1178 Henderson Street	10/5/15
Wayne	50947	0.16	SR 1178 Ext. NW Center Street	10/5/15
Division 5				
Person	50948	0.05	Portion of SR 1401 Phifer Lane	8/28/15

Summary: **Number of Roads Petitioned for Addition – 55**
Number of Roads Petitioned for Abandonment – 6

NCDOT NOVEMBER 2015 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development

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 Currituck	WBS 43492 was established (02/12) for the construction of New Maple Parkway in the Currituck Community Center Campus, located off of US-158 near Currituck Regional Airport Increase and close	Contingency <hr/> TOTAL	\$27,049.76 <hr/> \$27,049.76
Div 2 Craven	Upgrade existing roadway (Galloway Rd) to acceptable state maintenance; asphalt repair and positive drainage WBS 45856	Contingency <hr/> TOTAL	\$50,000.00 <hr/> \$50,000.00
Div 4 Edgecombe	City of Tarboro – WBS 80001 was established (12/14) for the Sunset Avenue Extension in Tarboro, running from US 64A to the church driveway; modify scope to extend to SR 1212 (Anaconda Rd) Increase funds	Contingency <hr/> TOTAL	\$215,000.00 <hr/> \$215,000.00
Div 4 Johnston	Town of Micro – Construct bus drive and parking lot at new North Johnston Middle School WBS 80013	Public Access <hr/> TOTAL	\$50,000.00 <hr/> \$50,000.00
Div 4 Johnston	Install drop inlet to alleviate drainage issues on Blackman's Crossroads Fire Dept property WBS 80018	Small Construction <hr/> TOTAL	\$15,000.00 <hr/> \$15,000.00
Div 4 Johnston	Town of Clayton – Construct left turn lane on NC-42 west along with a bulb out on NC-42 east to facilitate safer more efficient truck movements WBS 80019	Contingency <hr/> TOTAL	\$175,000.00 <hr/> \$175,000.00

NCDOT NOVEMBER 2015 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development

County	Description	Type	Amount
Div 5 Wake	Town of Fuquay Varina – Intersection improvements at SR 2768/5056 (NE Judd Pky) at US-401 to include widening existing roadway between Broad St and SR 3736 (Old Honeycutt Rd) Other funding: Town of Fuquay WBS 44494	Contingency <hr/> TOTAL	\$500,000.00 <hr/> \$500,000.00
Div 6 Columbus	Construct access to new Lake Waccamaw Fire & Rescue station WBS 46445	Public Access <hr/> TOTAL	\$25,000.00 <hr/> \$25,000.00
Div 7 Guilford	Town of Jamestown – Remove existing median island on SR 1546 (Guilford College Rd) to allow full access opening at a new City of Jamestown street WBS 44600	Contingency <hr/> TOTAL	\$250,000.00 <hr/> \$250,000.00
Div 11 Surry	Town of Pilot Mountain – Replace crossline pipe and repair sink hole on Depot St WBS 44561	Contingency <hr/> TOTAL	\$95,000.00 <hr/> \$95,000.00
Div 11 Surry	City of Mount Airy – Repairs and completion of the Loville Creek Greenway; project is associated with EB-5014 WBS 44598	Contingency <hr/> TOTAL	\$150,000.00 <hr/> \$150,000.00
Div 14 Cherokee	Pave driveway of Nantahala VFD to bay doors WBS 44597	Public Access <hr/> TOTAL	\$25,000.00 <hr/> \$25,000.00

Deletion:

Div 7, Orange County – WBS 44229 was established (06/14) for signal modification; enlarge radius and construct taper for right turn lane at the intersection of US-70 onto SR 1567 (Mt Hermon Church Rd); partially funded by alternate source

NCDOT NOVEMBER 2015 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development

Summary:	Number of Projects	12
	Number of Divisions	8
	Small Construction Commitment	\$15,000.00
	Public Access Commitment	\$100,000.00
	Contingency Commitment	\$1,462,049.76
	Economic Development	\$0.00
	TOTAL	\$1,577,049.76

NCDOT November 2015 Board of Transportation Agenda

Public Transportation Program

There will be no items presented for approval at the November 3, 2015 Board of Transportation meeting.

Item I-1A STIP Approval Below

MODIFICATIONS to the Transit 2016-2025 STIP

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)
T6-5252	Hyde County Non-Profit	Construct Bus Shelters and Benches	FUZ	5311		61					
			State	S		8					
			Local	L		8					

Item I-1A, 1 Project Modified, Total Federal/State funds \$69,000

NCDOT November 2015 Board of Transportation Agenda

Rail Program

Town/County Division	Project Description	Estimated Cost
Division 1 Hertford, Northampton, and Bertie Counties	The Rail Division requests Board authority to accept up to \$5,800,000.00 in TIGER Discretionary Grant Funds. This Grant was awarded by the Federal Railroad Administration in September 2014 for improvements to the North Carolina and Virginia Railroad (NCVA) rail corridor in North Carolina. These improvements will remedy the capacity issues of the NCVA through raising the weight limits to 286,000 pounds gross weight and removing slow orders along the railroad line to enhance infrastructure condition, safety, and operating efficiency. The Department will match the TIGER funds with \$2,800,000 in existing Mobility Funds and NCVA will provide a match of \$3,031,000 in additional funds to complete the project, for an estimated project total of \$11,631,000.	\$5,800,000
Division 3 Onslow and Pender Counties	The Rail Division requests Board approval of funding to prepare a Feasibility Study of the Camp Lejeune Railroad as requested by the General Assembly in the State Appropriations Act. The purpose of this Feasibility Study is to evaluate the maintenance needs of the existing rail line and any enhancements needed to support commercial freight access. The study will also evaluate the use of partnership opportunities to complete long-term maintenance and enhancements in order to minimize the cost burden for all parties involved. This study will look at the potential industrial development possibilities along the corridor to spur economic development in the area around the corridor. The funding source for the study will be State Rail Program funds.	\$200,000
Division 6 Bladen County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the closure of the municipal at-grade crossing on Elm Street (Crossing No. 624 001G, Milepost SE 318.93) in Clarkton. As mitigation for the closure, the Department will pave North and South Railroad Streets between the adjacent crossings. TIP No. Y-5500FB	\$400,000

Division 9 Rowan County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for planning and engineering development of the Henderson Grove Church Road Rail Crossing Consolidation Project (SR 1526)(Crossing No. 724 362M, Milepost Main 336.24) in Salisbury. The Department will be responsible for the design of the project. The proposed preliminary total cost of the project is \$2,000,000.	\$400,000
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TIP No. Y-55001A

Division 10 Anson County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for Rail Resources of North Carolina, Inc. dba Carolinas ReLoad to extend an existing 700-foot rail siding to serve 10 additional acres of property. The 1300-foot extension to the transload facility will support more than 5,500 carloads annually and 50 full time employees. The Department shall participate in 35% of actual project costs not to exceed \$200,000.	\$200,000
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Division 10 Cabarrus County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the closure of the Doster Private Vehicular Access Crossing (Crossing No. 715 329N, Milepost Main 363.28) in Harrisburg, including the construction of alternate access. The Department will be responsible for the design and construction of the project. Norfolk Southern will be responsible for the construction of the project within the operating right-of-way.	\$150,000
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TIP No. P-4405EA

ITEM I-2 SUMMARY – 6 PROJECTS – (TOTAL FEDERAL AND STATE) \$7,150,000

NCDOT November 2015 Board of Transportation Agenda

Bike & Pedestrian Program

**Town/County
Division**

Project Description

**Estimated
Cost**

There will be no items presented for approval at the November 5, 2015 Board of Transportation meeting.

ITEM I-3 SUMMARY – NO PROJECTS

NCDOT November 2015 Board of Transportation Agenda

Aviation Program

Town/County Division	Project Description	Estimated Cost	
Wilmington, NC New Hanover County Division 3	Wilmington International Airport – Hangar Taxilane	\$ 720,000	Total
		\$ 720,000	State
Elizabethtown, NC Bladen County Division 6	Curtis L. Brown – Airport Industrial Park Phase I – Taxiway (Amendment)	\$ 200,000	Total
		\$ 200,000	State

ITEM I-4 SUMMARY – 2 PROJECTS - (TOTAL FEDERAL AND STATE) \$ 920,000

**NCDOT November 2015 Board of Transportation Agenda
Approval of Specific State Funds for Construction Projects**

THERE ARE NO FUNDING REQUESTS FOR THIS MONTH'S AGENDA

**NCDOT November 2015 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Dare Co. Div. 1 R-5738 DIVISION	WBS 50196.1.1 SR 1208 (West Kitty Hawk Road) from SR 1210 (Bob Perry Road) to Ivy Lane. Initial funds are requested for preliminary engineering.	\$200,000.00
Perquimans Co. Div. 1 R-5716 DIVISION	WBS 50212.1.1 SR 1300 (New Hope Road) from SR 1301 (Old Neck Road) to SR 1302 (Union Hall Road). Initial funds are requested for preliminary engineering.	\$100,000.00
Perquimans Co. Div. 1 R-5740 DIVISION	WBS 50198.1.1 SR 1329 (Woodville Road) from SR 1331 (Red Bank Road) to SR 1300 (New Hope Road). Initial funds are requested for preliminary engineering.	\$200,000.00
Pitt Co. Div. 2 R-2250 REGIONAL	WBS 34411.2.5 NC 11 - 903 Greenville Bypass four lane divided facility on new location with bypass of Winterville, NC 11 to US 264 (Greenville Bypass). Initial funds are needed for full right of way. This is a Cash Flow project with \$27,000,000.00 in SFY 15 and SFY 16. This is a Strategic Transportation Investments Transition project.	\$54,000,000.00
New Hanover Co. Div. 3 AV-5702 STATEWIDE	WBS 46306.3.1 Wilmington International Airport. Rehabilitate general aviation apron North. Initial funds are requested for construction.	\$500,000.00

**NCDOT November 2015 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Pender Co. Div. 3 B-4929 REGIONAL	WBS 40233.2.2 Replace Bridge #16 over the Intracoastal Waterway on NC 50/210. Initial funds are needed for utilities. Funds will be transferred from WBS 40233.2.1.	\$1,400,000.00
Statewide Div. 3 M-0488C STATEWIDE	WBS 46404.1.3 Hampstead Bypass - Map Act Lawsuit. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$75,000.00
Cumberland Co. Div. 6 U-5742 REGIONAL	WBS 50164.1.1 Fayetteville computerized traffic signal system. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$1,100,000.00
Statewide Div. 6 M-0488E STATEWIDE	WBS 46404.1.5 I-295, Fayetteville Outer Loop - Map Act Lawsuit. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$50,000.00
Statewide Div. 7 M-0488F STATEWIDE	WBS 46404.1.6 Greensboro Outer Loop - Map Act Lawsuit. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$75,000.00

**NCDOT November 2015 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Randolph Co. Div. 8 R-2536 STATEWIDE	WBS 34450.2.8 US 64 (Asheboro Southern Bypass) from US 64 West of Asheboro to existing US 64 East of Asheboro and Zoo Connector from East of SR 2839 (Staleys Farm Road) to existing NC 159/Zoo entrance. Initial funds are requested for full right of way. This is a Strategic Transportation Investments Transition project.	\$60,000,000.00
Davidson Co. Div. 9 AV-5749 DIVISION	WBS 46343.1.1 Davidson County Airport. Install 6 medium intensity runway approach lighting systems with runway alignment indicator lights across I-85, including interchange lighting. Initial funds are requested for preliminary engineering.	\$396,000.00
Statewide Div. 9 M-0488B STATEWIDE	WBS 46404.1.2 Winston-Salem Northern Beltway - Map Act Lawsuit. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$200,000.00
Cabarrus Co. Div. 10 U-5806 DIVISION	WBS 44378.2.2 Intersection of SR 2894 (Concord Mills Boulevard) and Entrance No. 1 - Kings Grant Pavilion. Initial funds are needed for utilities.	\$230,000.00
Statewide Div. 12 M-0488A STATEWIDE	WBS 46404.1.1 Shelby Bypass - Map Act Lawsuit. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$200,000.00

**NCDOT November 2015 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Cherokee Co. Div. 14 R-3622BA REGIONAL	WBS 38068.3.R5 NC 294, SR 1130 (Sunny Point Road) to SR 1312 (Bear Paw Road). \$115,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. WBS will be closed. This is a Strategic Transportation Investments Transition project.	\$88,729.22
Clay Co. Div. 14 R-4416A STATEWIDE	WBS 38908.3.S3 US 64, from Chunky Gal Gap westward for two miles, construct truck climbing lane (2 miles), clearing and grubbing. \$75,000.00 has previously been approved for construction. Additional funds are requested. This is a Strategic Transportation Investments Transition project.	\$30,000.00
Statewide Div. 19 M-0505 DIVISION	WBS 46440.1.1 Implementation of Transportation Program Management Unit (TPMU) oversight for locally-administered projects including preparation of agreements and funding authorization requests. Initial funds are requested for preliminary engineering.	\$300,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	8 PROJECTS	\$61,130,000.00
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	4 PROJECTS	\$56,588,729.22
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	6 PROJECTS	\$1,426,000.00
STRATEGIC TRANSPORTATION INVESTMENTS	18 PROJECTS	\$119,144,729.22

**NCDOT November 2015 Board of Transportation Agenda
Approval of State Highway Trust Funds - Intrastate System**

K-5

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Currituck Co. Div. 1 R-2576 STATEWIDE	WBS 34470.2.1 Mid-Currituck Bridge from Coinjock to Corolla. \$1,235,505.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are requested for advanced acquisition of Specific Parcel 900 (Property of Northeastern North Carolina Properties, LLC) for \$5,702,571.00.	\$5,702,571.00
Madison/ Yancey Cos. Div. 13 R-2518WM STATEWIDE	WBS 34445.3.1 Wetland mitigation on US 19 from I-26 to SR 1336 (Jacks Creek Road). \$1,892,141.00 has previously been approved for wetland mitigation. Additional funds are needed for wetland mitigation.	\$100,000.00
TRUST FUND INTRASTATE SUMMARY	2 PROJECTS	\$5,802,571.00
STRATEGIC TRANSPORTATION INVESTMENTS	18 PROJECTS	\$119,144,729.22
TRUST FUND INTRASTATE SUMMARY	2 PROJECTS	\$5,802,571.00
SUMMARY OF FUNDS	20 PROJECTS	\$124,947,300.22

November 5, 2015

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects**

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Jacksonville/ Onslow Co. Div. 3 SS-4903Y	WBS 42463.3.1 SR 1470 (Western Boulevard) and Cross Point/Lowe's Entrance. \$219,000.00 in construction funds has previously been approved for traffic signal revisions and left turn lane construction. Traffic signal revisions were completed under this project, however, the left turn lanes will be constructed under W-5601DB. Change scope to traffic signal revisions only, reduce funds, and close. File 03-08-206-1	-\$214,590.00
Wake Co. Div. 5 SS-4905CC	WBS 43982.3.1 SR 1006 (Old Stage Road) near Waterville Street. \$176,000.00 in construction funds has previously been approved for realignment, superelevation improvements, and shoulder revisions. Reduce funds and close. Project to be constructed under W-5601DI. File 05-13-6065-1	-\$176,000.00
Hillsborough/ Orange Co. Div. 7 SS-4907AZ	WBS 43987.3.1 NC 86 (Churton Street) at SR 1150/SR 1002 (King Street), and NC 86 (Churton Street) at Margaret Street. \$37,600.00 in construction funds have previously been approved for traffic signal and curb ramp revisions. Reduce funds and close. Project will be constructed with other funds. File 07-13-866-1	-\$37,449.80
Charlotte/ Mecklenburg Co. Div. 10 SS-4910BL	WBS 43931.3.1 SR 2940 (Eastway Drive) and SR 2974 (Sugar Creek Road). \$400,000.00 in construction funds has previously been approved for traffic signal revisions, median island improvements, crosswalk installation, and lane improvements. Additional funds are needed due to an increase in construction costs. File 10-13-206-2	\$11,720.00

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects**

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

Dallas/ Gaston Co. Div. 12 SS-4912AS	WBS 43711.3.1 NC 279 at Walnut Street/Ingles. \$8,000.00 in construction funds has previously been approved for traffic signal revisions. Reduce funds and close. Project was constructed with other funds. File 12-12-207-1	-\$8,000.00
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ITEM L SUMMARY	5 PROJECTS	-\$424,319.80
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**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 2

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Pitt Co. U-3315 DIVISION	35781.3.FD1, STP-0220(072) Stantonsburg Road / Tenth Street Connector from US 13 / NC 11 (Memorial Drive) to SR 1702 (Evans Street) in Greenville, 1.447 miles. \$26,300,000.00 has previously been approved for construction. Funds need to be increased \$8,101,970.00 to reflect the low bid received on August 18, 2015. This is a Strategic Transportation Investments Transition project.	\$8,101,970.00 Cost \$6,481,576.00 Fed. \$1,620,394.00 State

Safety

Carteret Co. W-5601BG REGIONAL	50138.3.60, HSIP-0070(190) US 70 at SR 1127 (Masontown Road). Funds are needed for construction for safety improvements.	\$140,000.00 Cost \$126,000.00 Fed. \$14,000.00 State
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**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 3

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wilmington/ New Hanover Co. U-3338B DIVISION	34932.3.FD2, STP-1175(010) SR 1175 (Kerr Avenue) from Randall Parkway to SR 2649 (Martin Luther King, Jr. Parkway), 1.54 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on September 9, 2015. This is a Strategic Transportation Investments Transition project.	\$19,200,000.00 \$15,360,000.00 \$3,840,000.00	Cost Fed. State
Wilmington/ New Hanover Co. U-3338C REGIONAL	34932.1.4, STP-1175(011) SR 1175 (Kerr Avenue) interchange at SR 2649 (Martin Luther King, Jr. Parkway). Funds are needed for preliminary engineering.	\$300,000.00 \$240,000.00 \$60,000.00	Cost Fed. State
Carolina Beach/ New Hanover Co. U-5534O DIVISION	44096.1.16, STPDA-0308(009) Multi-use path on the south side of Cape Fear Boulevard from Third Street to Dow Road in the Town of Carolina Beach. Funds are needed for preliminary engineering.	\$49,337.00 \$39,470.00 \$9,867.00	Cost Fed. Local

Safety

Divisionwide W-5601DG STATEWIDE	50138.3.112, HSIP-0040(018) Safety improvements at various locations along I-40, I-140 and US 74 / 76. Funds are needed for construction to upgrade crossovers and guardrails.	\$675,000.00 \$607,500.00 \$67,500.00	Cost Fed. State
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**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Johnston I-3318BB STATEWIDE	34182.2.FS4, IMS-095-2(119)105 Replace Bridge #114 and Bridge #116 over the Little River on I-95, 0.421 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on September 9, 2015. This is a Strategic Transportation Investments Transition project.	\$12,500,000.00 Cost \$10,000,000.00 Fed. \$2,500,000.00 State

Safety

Wilson Co. W-5204C REGIONAL	45334.2.FRU3, HSIP-0042(053) NC 42 from SR 1500 (Bullard Court) to SR 1502 (Tartt's Mill Road). Funds are needed for utilities.	\$75,000.00 Cost \$67,500.00 Fed. \$7,500.00 State
Wilson Co. W-5204C REGIONAL	45334.2.FR3, HSIP-0042(053) NC 42 from SR 1500 (Bullard Court) to SR 1502 (Tartt's Mill Road). Funds are needed for full right of way.	\$75,000.00 Cost \$67,500.00 Fed. \$7,500.00 State

**NCDOT November 2015 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-5333B STATEWIDE	46152.1.2, NHPP-0440(018) I-440 from I-40 to SR 1728 (Wade Avenue). Funds are needed for preliminary engineering.	\$10,000.00 Cost \$8,000.00 Fed. \$2,000.00 State

Congestion Mitigation

Wake Forest/ Wake Co. C-5164 EXEMPT	46229.3.F1, CMS-0527(010) Smith and Sanford Creek Greenway. Funds are needed for construction of trail and sidewalks.	\$2,656,233.00 Cost \$2,124,986.00 Fed. \$531,247.00 Local
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Urban

Wake Forest/ Wake Co. U-5515 DIVISION	55056.2.F1, STPDA-0527(014) SR 1930 (Stadium Drive) / 1933 (West North Avenue) from Capital Boulevard to SR 1954 (North Wingate Street). Funds are needed for full right of way and utilities.	\$600,000.00 Cost \$480,000.00 Fed. \$120,000.00 Local
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**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Harnett Co. B-5412 DIVISION	55042.1.1, BRZ-1516(003) Replace Bridge #7 over West Buies Creek on SR 1516. Funds are needed for preliminary engineering.	\$150,000.00 Cost \$120,000.00 Fed. \$30,000.00 State

Safety

Columbus Co. W-5601BM STATEWIDE	50138.3.66, HSIP-0074(176) US 74 from SR 1435 (Union Valley Road) to US 74 Business, 5.85 miles. \$2,000,000.00 has previously been approved for construction. Funds need to be increased \$180,622.00 to reflect the low bid received on July 31, 2015.	\$180,622.00 Cost \$144,498.00 Fed. \$36,124.00 State
Cumberland Co. W-5514 STATEWIDE	44102.3.FS1, HSIP-1007(027) SR 1007 (Owen Drive) from Walter Reed Road to US 301 / Business I-95, 2.956 miles. \$3,950,000.00 has previously been approved for construction. Funds need to be increased \$1,151,648.00 to reflect the low bid received on July 31, 2015.	\$1,151,648.00 Cost \$921,318.00 Fed. \$230,330.00 State
Cumberland Co. W-5601AS DIVISION	50138.3.46, HSIP-1704(005) SR 1704 (Palestine Road) from US 401 to SR 1609 (East Reeves Bridge Road). Funds are needed for construction for safety improvements.	\$775,500.00 Cost \$697,950.00 Fed. \$77,550.00 State

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Robeson Co. W-5206D DIVISION	45336.3.4, STP-0072(006) NC 72 in the vicinity of SR 2225 (Leggette Road), SR 2214 (Collins Drive) and SR 2202 (Hestertown Road). \$300,000.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$250,000.00 Cost \$200,000.00 Fed. \$50,000.00 State

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 7

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Guilford Co. B-4958 DIVISION	40150.1.1, BRZ-2128(002) Replace Bridge #106 over Reed Fork Creek on SR 2128. Funds are needed for preliminary engineering.	\$175,000.00 Cost \$140,000.00 Fed. \$35,000.00 State
Rockingham Co. B-5715 DIVISION	45671.1.1, BRZ-2351(002) Replace Bridge #17 over Haw River on SR 2351. Funds are needed for preliminary engineering.	\$175,000.00 Cost \$140,000.00 Fed. \$35,000.00 State

Safety

Orange Co. SS-4907AZ REGIONAL	43987.1.FR1, HSIP-0086(017) NC 86 (Churton Street) at SR 1150 (King Street) , SR 1002 (St. Mary's Road) and NC 86 (Churton Street) at Margaret Street in Hillsborough. \$3,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$72,000.00 Cost \$64,800.00 Fed. \$7,200.00 State
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**NCDOT November 2015 Board of Transportation Agenda
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Division 8

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Pittsboro/ Chatham Co. C-5551 EXEMPT	51021.3.F1, CMS-0830(004) US 64 Business (East Street) from Chatham Business Park Drive to White's Mobile Home Park Drive. \$114,568.00 has previously been approved for construction. Additional funds are needed for construction based on the latest estimate.	\$3,790.00 Cost \$3,032.00 Fed. \$758.00 Local

Bridge

Randolph Co. B-5739 DIVISION	45695.1.1, BRZ-2621(004) Replace Bridge #170 over Reed Creek on SR 2621. Funds are needed for preliminary engineering.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State
Randolph Co. B-5763 DIVISION	45719.1.1, BRZ-2407(001) Replace Bridge #129 over a Branch of Sandy Creek on SR 2407. Funds are needed for preliminary engineering.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State

Safety

Scotland Co. W-5208MA REGIONAL	45338.2.14, HSIP-0015(049) Construct a roundabout at the intersection of US 15 / 501 and NC 144. Funds are needed for full right of way and utilities.	\$160,000.00 Cost \$144,000.00 Fed. \$16,000.00 State
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**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 9

National Highway

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Rowan / Davidson Cos. I-2304AC STATEWIDE	34156.4.3, NHFIMF-085-3(27)81 I-85 from just north of SR 2120 (Long Ferry Road, Exit 81) in Rowan County to just north of NC 150 in Davidson County. Funds are needed for payment to Davidson County for terms of Municipal Agreement for transfer of Wil-Cox Bridge.	\$2,500,000.00 Cost \$2,000,000.00 Fed. \$500,000.00 State

Urban

Winston- Salem / Forsyth Co. U-2579C REGIONAL	34839.2.GV18, NHP-0918(Tentative) Winston-Salem Northern Beltway Eastern Section (Future I-74) from US 158 to US 311. Funds are needed for full right of way. This is a GARVEE BOND project with \$557,700.00 of Federal Funds in FFY16 through FFY30, and \$2,185,000 of State matching funds in FFY16. Project pending FHWA approval.	\$10,550,500.00 Cost \$8,365,500.00 Fed. \$2,185,000.00 State
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**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 10

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Mecklenburg Co. I-5746 STATEWIDE	52024.1.1, NHPP-0277(018) I-277 / US 74 from I-77 to Brevard Road. Funds are needed for preliminary engineering.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State
Mecklenburg Co. I-5747 STATEWIDE	52025.1.1, NHPP-0485(041) I-485 from I-85 to SR 2808 (Camp Stewart Road). Funds are needed for preliminary engineering.	\$20,000.00 Cost \$16,000.00 Fed. \$4,000.00 State
Mecklenburg Co. I-5748 STATEWIDE	52026.1.1, NHPP-0485(040) I-485 from SR 3174 (Idlewild Road) to US 74. Funds are needed for preliminary engineering.	\$20,000.00 Cost \$16,000.00 Fed. \$4,000.00 State
Mecklenburg Co. I-5871 STATEWIDE	53073.1.1, NHPP-0485(042) I-485 from SR 3174 (Idlewild Road) to NC 51. Funds are needed for preliminary engineering.	\$20,000.00 Cost \$16,000.00 Fed. \$4,000.00 State

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 10 (Continued)

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Cabarrus B-5136 REGIONAL	42295.3.FR1, BRSTP-0029(043) Replace Bridges #66 and #69 over the Norfolk Southern Railway on US 29 / US 601, 0.345 miles. \$12,400,000.00 has previously been approved for construction. Funds need to be increased \$2,325,383.00 to reflect the low bid received on August 18, 2015.	\$2,325,383.00 Cost \$1,860,306.00 Fed. \$465,077.00 State
Mecklenburg Co. B-5105 DIVISION	42180.3.FD1, BRSTP-4982(007) Replace Bridge #49 over Little Sugar Creek on SR 4982, 0.251 miles. \$2,700,000.00 has previously been approved for construction. Funds need to be decreased (\$65,815.00) to reflect the low bid received on August 18, 2015.	-\$65,815.00 Cost -\$52,652.00 Fed. -\$13,163.00 State

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 11

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
North Wilkesboro/ Wilkes Co. U-5312 REGIONAL	45446.1.1, NHS-0421(072) US 421 from SR 1226 (Westgate Drive) to the Yadkin River. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12

Enhancement

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Gastonia/ Gaston Co. EB-5533 DIVISION	50048.3.1, STPEB-1213(030) Carolina Thread Trail from Poston Park to South Fork River. Funds are needed for construction for trails and parking drives. This is a Strategic Transportation Investments Transition project.	\$875,000.00 Cost \$700,000.00 Fed. \$175,000.00 Local

Bridge

Cleveland Co. B-5393 DIVISION	46108.1.1, BRZ-1662(004) Replace Bridge #192 over Maple Creek on SR 1662. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State
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**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 13

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Asheville/ Buncombe Co. U-5019 DIVISION	41503.2.1, STPDA-1302(065) Lyman Street and portions of Riverside Drive, portion of Wilma Dikeman Riverway, Hill Street / I-240 interchange to Amboy Road. Funds are needed for full right of way and utilities.	\$6,100,000.00 Cost \$4,880,000.00 Fed. \$1,220,000.00 Local

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 14

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Macon Co. B-3868 DIVISION	33313.3.FD1, BRZ-1456(006) Replace Bridge #172 over Little Tennessee River on SR 1456, 0.217 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published September 9, 2015.	\$2,950,000.00 Cost \$2,360,000.00 Fed. \$590,000.00 State

**NCDOT November 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Statewide

Planning and Research

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Statewide M-0478B STATEWIDE	50141.1.2, OJT-00JT(019) On-the Job Training Support Services - FY 2015. Funds are needed for preliminary engineering.	\$271,319.00 \$271,319.00	Cost Fed.
Statewide M-0480B STATEWIDE	50142.1.2, DBE-000S(839) Disadvantaged Business Enterprise Training - FY 2015. Funds are needed for preliminary engineering.	\$350,998.00 \$350,998.00	Cost Fed.

ITEM M SUMMARY - 39 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$72,136,613.00

Funding for Transition Period projects is excluded from the Transportation Investment Strategy Formula.

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

STIP ADDITIONS

DIVISION 3

* U-5910	GRAND STRAND AREA TRANSPORTATION STUDY	ENGINEERING	FY 2016 -	\$30,000	(STPDA)
BRUNSWICK	METROPOLITAN PLANNING ORGANIZATION PLANNING			\$30,000	
PROJ.CATEGORY	ALLOCATION AND UNIFIED WORK PROGRAM.				
DIVISION	<u>ADD PRELIMINARY ENGINEERING IN FY 16 NOT PREVIOUSLY PROGRAMMED.</u>				

DIVISION 4

R-5769	SR 1913 (GORDON ROAD), US 70 BUSINESS TO	CONSTRUCTION	FY 2018 -	\$6,500,000	(T)
JOHNSTON	PROPOSED NOVO NORDISK FACILITY. VARIOUS			\$6,500,000	
DIVISION	ROADWAY IMPROVEMENTS INCLUDING NEW ACCESS ROAD.				
	<u>ADD CONSTRUCTION IN FY 18 NOT PREVIOUSLY PROGRAMMED. THIS IS AN ECONOMIC DEVELOPMENT PROJECT.</u>				

DIVISION 10

* U-5904	US 21 (STATESVILLE ROAD), SUNSET ROAD TO NC 24	ENGINEERING	FY 2016 -	\$1,000,000	(BA)
MECKLENBURG	(W.T. HARRIS BOULEVARD). WIDEN ROADWAY.			\$1,000,000	
PROJ.CATEGORY	<u>ADD ENGINEERING IN FY 16 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>				
EXEMPT					

* U-5905	SR 2112 (LAKEVIEW ROAD), US 21 TO NC 115.	RIGHT-OF-WAY	FY 2017 -	\$100,000	(BA)
MECKLENBURG	UPGRADE ROADWAY.	CONSTRUCTION	FY 2017 -	\$8,900,000	(BA)
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>			\$9,000,000	
EXEMPT					

* U-5906	CORNELIUS, SR 2195 (TORRENCE CHAPEL ROAD) AND	RIGHT-OF-WAY	FY 2017 -	\$2,000,000	(BA)
MECKLENBURG	SR 5544 (WEST CATAWBA AVENUE). INTERSECTION	CONSTRUCTION	FY 2018 -	\$3,000,000	(BA)
PROJ.CATEGORY	IMPROVEMENTS.			\$5,000,000	
EXEMPT	<u>ADD RIGHT-OF-WAY IN FY 17 AND CONSTRUCTION IN FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>				

* U-5907	DAVIDSON, POTTS-SLOAN-BEATTY CONNECTOR.	RIGHT-OF-WAY	FY 2017 -	\$240,000	(STP)
MECKLENBURG	CONSTRUCT ROADWAY ON NEW LOCATION.		FY 2017 -	\$60,000	(L)
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY IN FY 17 AND CONSTRUCTION IN FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>	CONSTRUCTION	FY 2018 -	\$1,520,000	(STP)
EXEMPT			FY 2018 -	\$380,000	(L)
				\$2,200,000	

* INDICATES FEDERAL AMENDMENT

Thursday, November 05, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

STIP ADDITIONS

DIVISION 10

* U-5908	HUNTERSVILLE, MAIN STREET, NC 115 (OLD STATESVILLE ROAD)/SR 2004 (MOUNT HOLLY-	RIGHT-OF-WAY	FY 2017 -	\$1,000,000	(STP)
MECKLENBURG	ROAD) TO SOUTH OF RAMAH CHURCH		FY 2017 -	\$1,000,000	(L)
PROJ.CATEGORY	ROAD. WIDEN AND REALIGN.	CONSTRUCTION	FY 2018 -	\$4,000,000	(STP)
EXEMPT			FY 2018 -	\$4,000,000	(L)
				\$10,000,000	
	<u>ADD RIGHT-OF-WAY IN FY 17 AND CONSTRUCTION IN FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>				

DIVISION 12

* C-5701	MOORESVILLE, INTERSECTION OF NC 801 AND NC 150. CONSTRUCT INTERSECTION IMPROVEMENTS.	RIGHT-OF-WAY	FY 2016 -	\$110,600	(CMAQ)
IREDELL			FY 2016 -	\$29,400	(L)
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION IN FY 16 NOT PREVIOUSLY PROGRAMMED AT THE REQUEST OF THE MPO.</u>	CONSTRUCTION	FY 2016 -	\$959,376	(CMAQ)
EXEMPT			FY 2016 -	\$255,024	(L)
				\$1,354,400	

* U-5909	MOORESVILLE, NC 801 AND NC 150. INTERSECTION IMPROVEMENTS.	CONSTRUCTION	FY 2017 -	\$650,000	(BA)
IREDELL				\$650,000	
PROJ.CATEGORY	<u>ADD CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>				
EXEMPT					

STIP MODIFICATIONS

DIVISION 3

AV-5702	WILMINGTON INTERNATIONAL (ILM), REHABILITATE GA APRON NORTH.	CONSTRUCTION	FY 2016 -	\$500,000	(T)
NEW HANOVER			FY 2016 -	\$3,000,000	(O)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO COINCIDE WITH LOCAL FEDERAL AVIATION GRANT.</u>			\$3,500,000	
STATEWIDE					

R-5023B	NC 53 (BURGAW HIGHWAY), SR 1116 (ONSLow PINES ROAD) TO SR 1105 (HAWs RUN ROAD)	CONSTRUCTION	FY 2017 -	\$1,140,000	(STP)
ONSLow				\$1,140,000	
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>				
TRANSITION					

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 3

R-5023C ONSLow PROJ.CATEGORY TRANSITION	NC 53 (BURGAW HIGHWAY), SR 1105 (HAWs RUN ROAD) TO WEST OF SR 1109 (HOLLY SHELTER ROAD)	CONSTRUCTION	FY 2017 -	<u>\$760,000</u>	(STP)
				\$760,000	

DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.

DIVISION 4

* C-5546 NASH PROJ.CATEGORY EXEMPT	ROCKY MOUNT, BENVENUE ROAD (NC 43/NC 48) AT JEFFERYS ROAD. INTERSECTION IMPROVEMENTS.	CONSTRUCTION	FY 2016 -	<u>\$130,000</u>	(CMAQ)
				\$130,000	

DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW CITY OF ROCKY MOUNT ADDITIONAL TIME FOR DESIGN.

C-5548 NASH PROJ.CATEGORY EXEMPT	ROCKY MOUNT, BENVENUE STREET, TARBORO STREET, FALLS ROAD, FRANKLIN STREET, LEGETT ROAD, AND CHURCH STREET. CONSTRUCT SIDEWALKS.	CONSTRUCTION	FY 2016 -	<u>\$422,000</u>	(CMAQ)
				\$422,000	

DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW CITY OF ROCKY MOUNT ADDITIONAL TIME FOR DESIGN.

* W-5500 WAYNE PROJ.CATEGORY TRANSITION	SR 1556 (WAYNE MEMORIAL DRIVE), SR 1622 (WOODSIDE DRIVE) TO SR 1752 (SAULSTON-PATETOWN ROAD). SAFETY IMPROVEMENTS INCLUDING WIDENING, SHOULDERS, SUPERELEVATION REVISIONS, OVERLAYING PAVEMENT MARKINGS AND SIGNING.	RIGHT-OF-WAY CONSTRUCTION	FY 2016 -	\$1,428,000	(HSIP)
			FY 2016 -	\$1,505,000	(HSIP)
				\$2,933,000	

DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME TO IDENTIFY UTILITY IMPACTS.

DIVISION 5

* C-5163 WAKE PROJ.CATEGORY EXEMPT	CRABTREE CREEK GREENWAY, CONSTRUCT A CONNECTOR BETWEEN CAPITAL AREA GREENWAY SYSTEM AND THE MORRISVILLE GREENWAY SYSTEM IN CARY.	CONSTRUCTION	FY 2016 -	\$3,630,000	(CMAQ)
			FY 2016 -	<u>\$908,000</u>	(L)
				\$4,538,000	

DELAY CONSTRUCTION FROM FY 15 TO FY 16 AT REQUEST OF TRANSPORTATION PLANNING BRANCH.

* C-5168 WAKE PROJ.CATEGORY EXEMPT	CRABTREE CREEK GREENWAY, CONSTRUCT GREENWAY CONNECTING EXISTING GREENWAY IN CARY THROUGH MORRISVILLE, INCLUDING REPLACEMENT OF TRAIN TRESTLE.	CONSTRUCTION	FY 2016 -	\$2,954,000	(CMAQ)
			FY 2016 -	<u>\$738,000</u>	(L)
				\$3,692,000	

MODIFY DESCRIPTION AND DELAY CONSTRUCTION 15 TO 16 AT REQUEST OF MPO AND TRANSPORTATION PLANNING BRANCH.

* INDICATES FEDERAL AMENDMENT

Thursday, November 05, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 5

* EL-5100	VARIOUS, PEDESTRIAN, BICYCLE, AND TRANSIT	CONSTRUCTION	FY 2016 -	\$266,000	(STPDA)
HARNETT	PROJECTS IN THE CAPITAL AREA METROPOLITAN		FY 2016 -	\$1,126,000	(TAPDA)
GRANVILLE	PLANNING ORGANIZATION (CAMPO).		FY 2016 -	\$348,000	(L)
FRANKLIN	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>			\$1,740,000	
JOHNSTON	<u>PROGRAMMED, AT REQUEST OF MPO.</u>				
WAKE					
PROJ.CATEGORY					
DIVISION					

* U-5315B	MORRISVILLE PARKWAY EXTENSION, NC 540	RIGHT-OF-WAY	FY 2016 -	\$4,000,000	(BOND R)
WAKE	(TRIANGLE EXPRESSWAY / WESTERN WAKE	CONSTRUCTION	FY 2017 -	\$10,302,000	(L)
PROJ.CATEGORY	FREEWAY). CONSTRUCT INTERCHANGE.		FY 2017 -	\$8,500,000	(BOND R)
DIVISION	<u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 TO</u>			\$22,802,000	
	<u>ALLOW TOWN ADDITIONAL TIME FOR PLANNING AND</u>				
	<u>DESIGN, AND EXECUTION OF AGREEMENT.</u>				

* U-5529	SR 1115 (AVENT FERRY ROAD), WEST OF SR 1101	RIGHT-OF-WAY	FY 2016 -	\$80,000	(STPDA)
WAKE	(PINEY GROVE - WILBON ROAD) TO VILLAGE WALK		FY 2016 -	\$20,000	(L)
PROJ.CATEGORY	DRIVE IN HOLLY SPRINGS. OPERATIONAL	CONSTRUCTION	FY 2016 -	\$1,584,000	(STPDA)
DIVISION	IMPROVEMENTS.		FY 2016 -	\$396,000	(L)
	<u>DELAY RIGHT-OF-WAY AND CONSTRUCTION FROM FY</u>			\$2,080,000	
	<u>15 TO FY 16 AT REQUEST OF MPO.</u>				

* U-5537	SR 1521 (LAKE PINE DRIVE), WIDEN TO 3 LANES -	RIGHT-OF-WAY	FY 2016 -	\$56,000	(STPDA)
WAKE	NORTH OF MACGREGOR PINES ROAD TO NORTH OF		FY 2016 -	\$24,000	(L)
PROJ.CATEGORY	VERSAILLES DRIVE. INCLUDING 10-FOOT MULTIUSE	CONSTRUCTION	FY 2016 -	\$668,000	(STPDA)
DIVISION	PATH EAST SIDE; 5-FOOT SIDEWALK WEST SIDE.		FY 2016 -	\$167,000	(L)
	<u>DELAY RIGHT-OF-WAY AND CONSTRUCTION FROM FY</u>			\$915,000	
	<u>15 TO FY 16 AT REQUEST OF MPO.</u>				

DIVISION 7

* C-5555E	SR 1546 (COLLEGE ROAD) AND SR 2179 (NEW GARDEN	RIGHT-OF-WAY	FY 2016 -	\$40,000	(CMAQ)
GUILFORD	ROAD) IN GREENSBORO. CONSTRUCT SIDEWALKS.		FY 2016 -	\$10,000	(L)
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY IN FY 16 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2017 -	\$180,000	(CMAQ)
DIVISION	<u>FY 17 FOR NEW BREAK NOT PREVIOUSLY</u>		FY 2017 -	\$45,000	(L)
	<u>PROGRAMMED, AT REQUEST OF MPO AND</u>			\$275,000	
	<u>TRANSPORTATION PLANNING BRANCH.</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, November 05, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 7

* EL-5101	VARIOUS, PEDESTRIAN AND BICYCLE PROJECTS IN	RIGHT-OF-WAY	FY 2016 -	\$847,000	(CMAQ)
GUILFORD	THE GREENSBORO URBAN AREA METROPOLITAN		FY 2016 -	\$268,000	(STPDA)
PROJ.CATEGORY	PLANNING ORGANIZATION (GUAMPO).		FY 2016 -	\$279,000	(L)
DIVISION	<u>ADD RIGHT-OF-WAY IN FY 16 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2016 -	\$1,027,000	(STPDA)
	<u>FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST</u>		FY 2016 -	\$400,000	(TAP)
	<u>OF MPO</u>		FY 2016 -	\$357,000	(L)
			FY 2017 -	\$2,106,000	(CMAQ)
			FY 2017 -	\$3,600,000	(STPDA)
			FY 2017 -	<u>\$1,426,000</u>	(L)
				\$10,310,000	

DIVISION 8

* W-5208MA	US 15 / US 501, NC 144 INTERSECTION. CONSTRUCT	RIGHT OF WAY	FY 2016 -	\$100,000	HSIP
SCOTLAND	ROUNDBOUT.	UTILITIES	FY 2016 -	\$60,000	HSIP
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION IN FY 16</u>	CONSTRUCTION	FY 2016 -	<u>\$750,000</u>	HSIP
REGIONAL	<u>NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF</u>			\$910,000	
	<u>DIVISION.</u>				

DIVISION 10

* R-5706	NC 73 (DAVIDSON HIGHWAY), SR 2693 (DAVIDSON-				
MECKLENBURG	CONCORD ROAD) TO US 29. WIDEN TO MULTI-LANES.				
CABARRUS	<u>CHANGE WESTERN PROJECT LIMITS FROM SR 1394</u>				
PROJ.CATEGORY	<u>(POPLAR TENT ROAD) TO SR 2693 (DAVIDSON-</u>				
REGIONAL	<u>CONCORD ROAD) AT THE REQUEST OF MPO.</u>				

R-5706A	NC 73, SR 2693 (DAVIDSON-CONCORD ROAD) TO SR	RIGHT-OF-WAY	POST YR-	\$850,000	(T)
MECKLENBURG	1394 (POPLAR TENT ROAD).	UTILITIES	POST YR-	\$100,000	(T)
CABARRUS	<u>MODIFY PROJECT R-5706 TO ADD SEGMENT A AS AN</u>	CONSTRUCTION	POST YR-	<u>\$13,600,000</u>	(T)
PROJ.CATEGORY	<u>UNFUNDED PROJECT.</u>			\$14,550,000	
REGIONAL					

R-5706B	NC 73, SR 1394 (POPLAR TENT ROAD) TO US 29.	RIGHT-OF-WAY	FY 2023 -	\$17,300,000	(T)
CABARRUS	<u>RENAME PROJECT R-5706 TO R-5706B DUE TO</u>	UTILITIES	FY 2023 -	\$2,100,000	(T)
PROJ.CATEGORY	<u>EXPANSION OF PROJECT SCOPE.</u>	CONSTRUCTION	FY 2025 -	\$24,700,000	(T)
REGIONAL			POST YR-	<u>\$49,400,000</u>	(T)
				\$93,500,000	

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 10

* U-5115	MATTHEWS MINT HILL, INTERSECTION OF NC 51 AND	CONSTRUCTION	FY 2016 -	\$1,200,000	(STPDA)
MECKLENBURG	IDLEWILD ROAD. CONSTRUCT INTERSECTION		FY 2016 -	\$300,000	(L)
PROJ.CATEGORY	IMPROVEMENTS.			\$1,500,000	
TRANSITION	<u>ADD STP-DA FUNDING THAT WAS INADVERTENTLY</u>				
	<u>OMITTED ON ITEM N IN SEPTEMBER.</u>				

U-5767	US 21 (STATESVILLE ROAD), NORTHCROSS CENTER	RIGHT-OF-WAY	FY 2020 -	\$800,000	(BA)
MECKLENBURG	COURT TO SR 2147 (WESTMORELAND ROAD). WIDEN	UTILITIES	FY 2020 -	\$1,400,000	(BA)
PROJ.CATEGORY	TO MULTI-LANES.	CONSTRUCTION	FY 2020 -	\$21,000,000	(BA)
REGIONAL	<u>ACCELERATE RIGHT-OF-WAY FROM FY 22 TO FY 20</u>			\$23,200,000	
	<u>AND CONSTRUCTION FROM FY 24 TO FY 20. BONUS</u>				
	<u>ALLOCATION FUNDING TO BE USED ON PROJECT.</u>				

DIVISION 11

* U-4700	US 321, US 70 IN HICKORY TO SR 1933 (SOUTHWEST				
BURKE	BOULEVARD. WIDEN TO SIX LANES.				
CATAWBA	<u>CHANGE NORTHERN PROJECT LIMIT FROM US 64/NC</u>				
CALDWELL	<u>18/NC 90 TO SR 1933 (SOUTHWEST BOULEVARD) AT</u>				
PROJ.CATEGORY	<u>THE REQUEST OF LOCAL GOVERNMENTS.</u>				
STATEWIDE					

* U-4700C	US 321, SR 1108 (MISSION ROAD) TO SR 1933	RIGHT-OF-WAY	POST YR-	\$47,200,000	(NHP)
CALDWELL	(SOUTHWEST BOULEVARD). WIDEN TO SIX LANES.	CONSTRUCTION	POST YR-	\$33,400,000	(NHP)
PROJ.CATEGORY	<u>CHANGE NORTHERN PROJECT LIMIT FROM US 64/NC</u>			\$80,600,000	
STATEWIDE	<u>18/NC 90 TO SR 1933 (SOUTHWEST BOULEVARD) AT</u>				
	<u>THE REQUEST OF LOCAL GOVERNMENTS.</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, November 05, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 13

* I-5504	I-26, NC 191 (BREVARD ROAD). UPGRADE	RIGHT-OF-WAY	FY 2016 -	\$2,400,000	(S(M))
BUNCOMBE	INTERCHANGE.	CONSTRUCTION	FY 2016 -	\$12,640,000	(NHP)
PROJ.CATEGORY	<u>PROJECT BEING REVISED TO REFLECT LATEST COST</u>		FY 2016 -	\$16,360,000	(S(M))
STATEWIDE	<u>ESTIMATE.</u>	GARVEE CON.	FY 2016 -	\$2,145,000	(NHP)
			FY 2017 -	\$2,145,000	(NHP)
			FY 2018 -	\$2,145,000	(NHP)
			FY 2019 -	\$2,145,000	(NHP)
			FY 2020 -	\$2,145,000	(NHP)
			FY 2021 -	\$2,145,000	(NHP)
			FY 2022 -	\$2,145,000	(NHP)
			FY 2023 -	\$2,145,000	(NHP)
			FY 2024 -	\$2,145,000	(NHP)
			FY 2025 -	\$2,145,000	(NHP)
			POST YR-	\$10,725,000	(NHP)
		GARVEE ROW	FY 2016 -	\$601,000	(NHP)
			FY 2017 -	\$601,000	(NHP)
			FY 2018 -	\$601,000	(NHP)
			FY 2019 -	\$601,000	(NHP)
			FY 2020 -	\$601,000	(NHP)
			FY 2021 -	\$601,000	(NHP)
			FY 2022 -	\$601,000	(NHP)
			FY 2023 -	\$601,000	(NHP)
			FY 2024 -	\$601,000	(NHP)
			FY 2025 -	\$601,000	(NHP)
			POST YR-	\$3,005,000	(NHP)
				\$72,590,000	
* I-5809	I-40, MILEMARKER 86.4 TO MILEMARKER 92.8.	CONSTRUCTION	FY 2016 -	\$2,250,000	(NHPIM)
McDOWELL	PAVEMENT REHABILITATION.		FY 2017 -	\$2,250,000	(NHPIM)
PROJ.CATEGORY	<u>REVISE DESCRIPTION AT THE REQUEST OF DIVISION</u>			\$4,500,000	
STATEWIDE	<u>13.</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, November 05, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM

ITEM N SUMMARY

ADDITIONS	9	PROJECTS	\$35,734,400
MODIFICATIONS	24	PROJECTS	
	33	PROJECTS	\$35,734,400

* INDICATES FEDERAL AMENDMENT

Thursday, November 05, 2015

NCDOT November 5, 2015 Board of Transportation Agenda

SUMMARY: There are a total of 26 agreements for approval by the Board of Transportation.

Statewide

Alexander Railroad Company
(ARC)

This Rail Agreement is a Master Agreement which details the terms and conditions by which the Department and ARC will perform improvements upon roads and streets located within the operating right-of-way owned by ARC. The projects may include, but not be limited to, improvements to railroad at-grade crossings or to roads and streets encroaching onto the railroad right-of-way. Project costs to the Department will be determined on a project-by-project basis and authorization for preliminary engineering and/or construction.

Carolina Coastal Railway
Company (CLNA)

This Rail Agreement is a Master Agreement which details the terms and conditions by which the Department and CLNA will perform improvements upon roads and streets located within the operating right-of-way owned by CLNA. The projects may include, but not be limited to, improvements to railroad at-grade crossings or to roads and streets encroaching onto the railroad right-of-way. Project costs to the Department will be determined on a project-by-project basis and authorization for preliminary engineering and/or construction.

Great Smoky Mountains
Railroad, LLC (GSMR)

This Rail Agreement is a Master Agreement which details the terms and conditions by which the Department and GSMR will perform improvements upon roads and streets located within the operating right-of-way owned by GSMR. The projects may include, but not be limited to, improvements to railroad at-grade crossings or to roads and streets encroaching onto the railroad right-of-way. Project costs to the Department will be determined on a project-by-project basis and authorization for preliminary engineering and/or construction.

Aberdeen, Carolina & Western
Railway Company (ACWR)

This Rail Agreement is a Master Agreement which details the terms and conditions by which the Department and ACWR will perform improvements upon roads and streets located within the operating right-of-way owned by ACWR. The projects may include, but not be limited to, improvements to railroad at-grade crossings or to roads and streets encroaching onto the railroad right-of-way. Project costs to the Department will be determined on a project-by-project basis and authorization for preliminary engineering and/or construction.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 1

U.S. Fish and Wildlife Service,
Great Dismal Swamp National
Wildlife Refuge
Tyrrell County

This Memorandum of Understanding is to allow the U.S. Fish and Wildlife Service (USFWS) to translocate two (2) endangered red-cockaded woodpeckers from the northern area of the Palmetto-Peartree Preserve to the Great Dismal Swamp Wildlife Refuge in southeastern Virginia. This agenda item supersedes the item Approved by the BOT on October 8, 2015.

Division 2

Gulf & Ohio Railways, Inc.
(Lessee)
Lenoir County

This Rail Agreement consists of the exclusive leasing of the Department's Global Transpark rail spur between milepost GTP 0.00 at Kinston and milepost GTP 5.7 at North Carolina Global Transpark to the Lessee. The Agreement includes the terms and conditions by which the Lessee shall occupy and operate the real property, right-of-way, roadbed, main track, sidings, industrial tracks, yards, storage areas, culverts, bridges, fixtures, and other railroad appurtenances located between the aforementioned railroad mileposts. The Lessee shall reimburse the Department \$1,000 per month beginning six (6) months following execution of the lease Agreement and continuing for the term of the Agreement, plus \$50 per car from new and existing customers.

City of New Bern
Craven County
U-4755
39833.3.1
B-2532
32649.3.1

This Project consists of roadway improvements under the Maintenance Agreement for TIP Projects B-2532 and U-4755 and the Municipal Agreement for U-4755. This Supplemental Agreement is to amend the Maintenance and Municipal Agreements for the transfer of responsibilities for area roadways to the Municipality; ownership of the Alfred Cunningham Bridge to the Department; completion of resurfacing and drainage work on Trent Road (SR 1278) by the Department; and the responsibilities henceforth under agreements and contracts.

Division 3

Town of Carolina Beach
New Hanover County
U-5527 D
50077.1.5
50077.3.5

The Project consists of the construction of a multi-use path on Harper Avenue from Dow Road to 6th Street in Carolina Beach. The Municipality is responsible for all phases of the Project. The Department shall participate in an amount not to exceed 80% (\$213,393) from STP-DA funds. The Municipality will be responsible for providing 20% (\$53,348) matching funds and all costs that exceed the total estimated cost of \$266,741.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 5

City of Raleigh
Wake County
C-5170
46235.3.F1

The Project consists of citywide improvements to include bicycle restriping and sharrows along roadways throughout Raleigh. This Supplemental Agreement is to decrease the funding in an amount of \$121,233 to be reallocated to Project C-5172 in Raleigh.

City of Raleigh
Wake County
C-5172
46236.3.1

The Project consists of the preconstruction and construction of 5-foot sidewalks along Six Forks Road from Coleridge Drive to Wake Forest Road in Raleigh. This Supplemental Agreement is to increase the funding and extend the completion date for the Project. The Department's original participation was \$386,400 at 80%, to be increased with an additional \$121,233 at 50% of CMAQ funds. The Municipality's original participation was \$96,600 at 20% local match. The Municipality will provide an additional \$121,233 at 50% local match, and all costs that exceed the total Project estimated cost of \$725,466. The extended completion date for the Project is December 31, 2017, in lieu of December 31, 2015.

Town of Morrisville
Wake County
C-5168
46233.1.1
46233.3.1

The Project consists of the design and construction of a 2.5 mile asphalt greenway trail connecting residential neighborhoods to retail and employment areas. This Supplemental Agreement is to expand the scope. The Municipality has requested to include the replacement of the train trestle which will allow for a longer span to accommodate a 10 foot wide concrete path underneath the new trestle.

Division 6

R.J. Corman Railroad
Company/Carolina Lines, LLC
(RJCS)
Columbus County
42623

This Rail Agreement consists of approval of a Rail Freight Assistance grant from the State's Freight Rail & Rail Crossing Safety Improvement (FRRCSI) fund to assist RJCS with infrastructure improvements necessary for restoring service to the railroad. The project includes surfacing, installation of crossties and ballast, and bridge repair work. RJCS shall be responsible for performing the work. The Department will participate in the project to the extent of 50% of the total project costs or up to \$350,000, whichever is less.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 6, cont.

R.J. Corman Railroad
Company/Carolina Lines, LLC
(RJCS)
Columbus County
42623

This Rail Agreement consists of a Contingent Interest Agreement and Instrument for Indebtedness (CIA) to secure a lien on project assets constructed with grants funds awarded pursuant to the Rail Freight Assistance agreement described in the preceding agenda item. As a condition of the grant award, RJCS and the Department will enter into this CIA to secure a lien on the project assets for the five (5) years following project completion. Upon the sale, disposition, or abandonment of any part of the track during the lien period, the Department will be entitled to a refund of its financial investment equal to a pro rata share as follows: 100% in year one, 80% in year two, 60% in year three, 40% in year four, and 20% in year five.

Division 7

City of Greensboro
Guilford County
R-2413A
34429.3.S8

The Project consists of improvements to NC 68 from Pleasant Ridge Road (SR 2133) to Lebourne Road (SR 2016), and Pleasant Ridge Road (SR 2133) from Brigham Road (SR 2012) to NC 68. At the request of the Municipality, the Department shall include provisions in the construction contract for betterment work to the water lines. The Municipality shall pay the Department a lump sum amount of \$2,610,192.79 for the work.

Division 9

City of King
Yadkin Valley Railroad
Company (YVRR)
Stokes County
Y-5500IB
80000.2.3.5

This Rail Agreement consists of the permanent closure of the municipal at-grade crossing at King Elementary School Drive (Crossing # 721 947C, milepost CF-25.35), the permanent closure of the at-grade crossing at (SR 1138) Goff Road (Crossing # 721 952Y, milepost CF 24.1), and the construction of a new at-grade crossing west of (SR 1138). The Department will perform all work not on railroad right-of-way. YVRR shall perform all work within their right-of-way. The Department will reimburse YVRR for the demolition of both existing crossings and for all work performed at the new at-grade crossing west of (SR 1138) and any additional agreed upon improvements. Estimated cost of the work is \$300,000.

Division 10

City of Charlotte
Mecklenburg County
B-5930
50151.1.F1
50151.2.F1
50151.3.F1

The Project consists of the replacement of Bridge #433 on Sardis Lane over McAlpine Creek in Charlotte. The Department shall reimburse 80% (\$787,200) of approved eligible costs. The Municipality will be responsible for providing the 20% (\$196,800) non-federal match. The estimated total cost is \$984,000.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 10, cont.

City of Charlotte
Mecklenburg County
B-5931
50152.1.F1
50152.2.F1
50152.3.F1

The Project consists of the replacement of Bridge #443 on Morris Field Drive over Southern Railroad in Charlotte. The Department shall reimburse 80% (\$2,480,000) of approved eligible costs. The Municipality will be responsible for providing the 20% (\$620,000) non-federal match. The estimated total cost is \$3,100,000.

City of Wingate
CSX Transportation, Inc. (CSX)
Union County
R-2559
R-3329
34553.1.1

This Agreement between CSX Transportation Inc. and the Department is for Railroad Services for the construction of new dual structures and approaches on the US 74 Monroe Bypass beginning at Station 110+00.00 -L- running easterly over CSX tracks to Station 1233+50.00 -L- and Railroad Milepost SF-2983.05 in Union County. The Department shall reimburse the Railroad for work performed in accordance with the plans and the force account estimate. The estimated cost of the work is \$392,821.

Division 12

Town of Mooresville
Iredell County
C-5200
46251.1.F1
46251.2.F1
46251.3.F1

The Project consists of intersection improvements at NC 150 and NC 115. This Supplemental Agreement is to provide additional funding in the amount of \$397,883 from CMAQ funds. The Municipality shall provide \$125,647 as the non-federal match at 24%.

Town of Mooresville
Iredell County
C-5529
51043.1.F1
51043.2.F1
51043.3.F1

The Project consists of intersection improvements at Faith Road, Campus Lane, and NC 115. This Supplemental Agreement is to provide additional funding in the amount of \$153,625 from CMAQ funds. The Municipality shall provide \$51,208 as the non-federal match at 25%.

Town of Mooresville
Iredell County
B-5142
42303.3.FD1

The Project consists of replacing Bridge No. 57 over Cornelius Creek on (SR 1302) in Mooresville. At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to install water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated cost to the Municipality is \$163,568.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 12, cont.

Western Piedmont Council of
Governments
Catawba County
M-0491
44526.10.1

The Project consists of the Western Piedmont Council of Government carrying out the Unified Planning Work Program to include additional rural counties. The Department agrees to allocate an additional \$80,000 in SPR funds annually to be available to the Council for this work until funding is no longer available. The Council agrees to provide the non-federal match, or \$20,000. If the Council fails to use any of the allocated funding for three (3) consecutive years, the Department will cease to allocate the funding.

City of Gastonia
Gaston County
M-0491
44526.10.1

The Project consists of the City of Gastonia carrying out the Unified Planning Work Program to include additional rural counties. The Department agrees to allocate an additional \$75,000 in SPR funds annually to be available to the Municipality for this work until funding is no longer available. The Municipality agrees to provide the non-federal match, or \$18,750. If the Municipality fails to use any of the allocated funding for three (3) consecutive years, the Department will cease to allocate the funding.

Division 13

City of Asheville
Buncombe County
U-4715B
39079.1.2
39079.2.2
39079.3.4

The Project consists of the design and construction of a computerized traffic signal system with new state-of-the-art equipment in the City of Asheville. The total estimated Project cost is \$12,100,000. The Department shall be responsible for the required 26% match of \$3,919,500.

City of Asheville
Buncombe County
U-5190
45251.1.1
45251.2.1
45251.3.1

The Project consists of the design and construction of a new sidewalk on New Leicester Highway from the city limits to Patton Avenue. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of approved eligible costs from the STP-DA funds allocation, not to exceed \$2,904,000. The Municipality will be responsible for providing the 20% (\$726,000) non-federal match for the STP-DA funds authorized and all costs that exceed the total estimated cost.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 14

City of Brevard
Transylvania County
R-5605
43587.3.1

The Project consists of construction of the Davidson River Village Connector from US 64 to US 276/US 64 in Pisgah Forest. The Department is responsible for all aspects of the Project. At the request of the Municipality, the Department shall include provisions for construction of sidewalk on the portion of a round-about within Municipal limits. The estimated cost to the Municipality is \$6,000.

NCDOT November 5, 2015 Board of Transportation Agenda

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

Division 1

NC Department of
Environmental Quality (NCDEQ)
Dare County
36249.3551

The Project consists of conducting underwater surveys in Hatteras Inlet. NCDEQ shall reimburse the Department one hundred percent (100%) of the actual cost of all work performed by the Department. The estimated Project cost is \$15,000.

Division 2

Greene County
County of Greene

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

Division 3

Town of Sunset Beach
Brunswick County
2016CPT.03.11.20101

The Project consists of Widening (bike lanes) & resurfacing of (SR 1177) East & West Main Street in the Town of Sunset Beach. The Municipality shall participate in the actual costs of the Project in an amount not to exceed \$540,000. The total estimated Project cost is \$873,448.

Division 5

Glenaire Inc.
Wake County
36249.3548

The Project consists of upgrading the existing signal at Kildaire Farm Road and W. Cornwall Road in Cary. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual cost of the work. The estimated reimbursement is \$5,000.

Town of Fuquay-Varina
Wake County
U-5317
45430.1.1

The Project consists of planning, design, and NEPA study for N Judd Parkway NW between NC Route 55 (N Broad Street) and NC Route 42 (W Academy Street). This Supplemental Agreement extends the completion date for the Project to March 31, 2016, in lieu of March 13, 2015.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 5, cont.

Roxboro Retail Investments,
LLC
Durham County
36249.3550

The Project consists of the installation of a new traffic signal at US 501 (Roxboro Street) and Argonne Drive in Durham. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of the Department's inspection and review. The estimated reimbursement is \$5,000.

SunCap Property Group
Durham County
36249.3549

The Project consists of the upgrading the existing signal at NC 54 and Alston Avenue [05-0607] in Durham. The Developer shall reimburse the Department 100% of the actual cost of the Department's inspection and review. The estimated reimbursement is \$5,000.

Division 6

City of Fayetteville
Cumberland County
3706.3.26

The Project consists of landscape plantings and construction for irrigation system enhancements in the median islands along Glensford Drive (SR1596) from Raeford Road (US 401 Bus) to Cliffdale Road (SR 1400) in Fayetteville. This Supplemental Agreement expands the scope of the Project to include additional landscaping, plantings and irrigation enhancements to be placed in the existing median on Glensford Drive (SR 1596) from Cliffdale Road (SR 1400) to Morganton Road (SR 1404). The Municipality shall reimburse the Department 100% of the actual cost of the work. The estimated reimbursement is \$105,555.

Division 7

Town of Carrboro
Orange County
U-4726 DD
36268.1.25
36268.3.F25

The Project consists of design and construction of a sidewalk on Rogers Road from Homestead Road to Meadow Run Court in Carrboro. This Supplemental Agreement is to extend the completion date for the Project. The Municipality shall complete the Project by December 31, 2017 in lieu of December 31, 2015.

Division 8

Town of Mount Gilead
Montgomery County
3608.3.10

The Project consists of construction of concrete sidewalk along NC 73 (North Main Street) in Mount Gilead. This Supplemental Agreement is to extend the completion date to June 30, 2016 in lieu of September 23, 2015.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 8, cont.

Town of Pittsboro
Chatham County
3608.3.07

The Project consists of construction of concrete sidewalk along (SR 1967) Pittsboro Elementary School Road in Pittsboro. This Supplemental Agreement is to extend the completion date to June 30, 2016 in lieu of October 6, 2015.

City of Sanford
Lee County
3608.3.11

This Project consists of construction of concrete sidewalk along US 421/NC 42 (Horner Boulevard) and the addition of a pedestrian signal at the intersection of US 421/NC 42 and (SR 1107) Fields Drive in Sanford. This Supplemental Agreement is to extend the completion date to June 30, 2016 in lieu of December 11, 2015.

Division 9

Winston-Salem Forsyth County
Board of Education
Forsyth County
36249.3515

The Project consists of paving various school parking lots within the Winston-Salem Forsyth Board of Education School District at these locations: Mt. Tabor High School, East Forsyth High School, and Parkland High School. The Board of Education shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated reimbursement is \$52,000.

Winston-Salem Forsyth County
Board of Education
Forsyth County
36249.3547

The Project consists of paving various school parking lots within the Winston-Salem Forsyth Board of Education School District at Winston-Salem Prep and Forest Park Elementary Schools. The Board of Education shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated Project cost is \$102,000.

Barclay Group
Forsyth County
50080.1.1

The Project consists of incorporating additional design work into the Project for the design modifications requested by the Developer. The Department will be responsible for performing the work. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$20,000.

Division 10

Mecklenburg County
The County of Mecklenburg
36249.3546

The Project consists of the design and installation of a new traffic signal on Catawba Avenue (SR 5544) at Nantz Road (SR 2148) in Cornelius. The County shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 10, cont.

Town of Stallings
Union County
45340.3.FD15

The Project consists of the installation of left-turn lanes and traffic signal at the intersection of Stallings Road (SR 1365) and Matthews-Indian Trail Road (SR 1367) in Stallings. The Project includes betterments of Black powder-coated traffic signal poles and mast arms, foundation, conduit and related equipment for the traffic signal. The Municipality will reimburse the Department 100% of the actual cost of work performed by the Department and materials. The estimated cost of the betterments is \$130,000.

Wal-Mart Stores, Inc.
Cabarrus County
36249-3553

The Project consists of the modification to the existing signal at the intersection of US 601 and Zion Church Road/NC 49 northbound ramp and the installation of a new traffic signal at the intersection of US 601 and Food Lion Driveway South. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of the Department's work. The estimated reimbursement is \$10,000.

City of Charlotte
Mecklenburg County
U-5507B
45477.2.2
45477.3.2

The Project consists of constructing the northwest part of the thoroughfare from the termini of U-5507A to existing Prosperity Church Road in Mecklenburg County. This Supplemental Agreement extends the completion date for the Project to September 19, 2018, in lieu of July 31, 2015.

Division 11

Caldwell County Schools
Caldwell County
44410

The Project consists of constructing a left turn lane on US 64/NC 90 at the entrance to the new William Lenoir Middle School in Caldwell County. The Department shall participate in actual construction costs in an amount not to exceed \$140,000. Costs which exceed this amount shall be borne by the School.

Caldwell County Schools
Caldwell County
44409

The Project consists of constructing a new school bus drive and parking area at Gamewell Middle School in Caldwell County. The Department shall participate in actual construction costs in an amount not to exceed \$50,000. Costs which exceed this amount shall be borne by the School.

NCDOT November 5, 2015 Board of Transportation Agenda

Division 11, cont.

NC Division of Parks &
Recreation
Wilkes County
36249.3555

The Project consists of widening the existing single lane gravel road to two lanes including grading, establishing new ditch lines, installing pipe culverts at two locations for access, extending cross line pipe under roadway, and placing asphalt for approximately 600 feet from one-lane bridge in campground to the intersection of the main park road at Stone Mountain State Park in Wilkes County. The Agency shall reimburse the Department 100% of the actual cost of all work performed by the Department. The total estimated project cost is \$13,000.

NC Division of Parks &
Recreation
Ashe County
36249.3556

The Project consists of clearing, grubbing, removal of stumps, and grading to establish parking area for 10-15 cars with stone base for future paving at Mount Jefferson State Park in Ashe County. The Agency shall reimburse the Department 100 of the actual cost of all work performed by the Department. The total estimated project cost is \$16,000.

NC Division of Parks &
Recreation
Ashe County
36249.3557

The Project consists of grading of access road for demolition of Yellow Mountain Bridge including removal of all treated deck floor, steel beams, concrete abutments and footing at Grandfather Mountain State Park in Avery County. The work will also include grading for 4x4 crossing on upper side and native grasses plated to prevent erosion. The Agency shall reimburse the Department 100% of the actual cost of all work performed by the Department. The total estimated project cost is \$12,000.

Division 12

Western Piedmont Council of
Governments
Catawba County
49004.1

The Project consists of developing and conducting a household travel survey for the Greater Hickory Region to meet the regional transportation modeling data. Upon completion of the project, the Agency shall reimburse the Department \$283,981.

Division 14

Graham County Schools
Graham County
36249.3552

The Project consists of the asphalt surface treatment overlay for the school's multi-use path. The Agency shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost is \$8,627.

NCDOT November 2015 Board of Transportation Agenda

Approval of Municipal Street System Changes

There will be no municipal street system changes presented for approval at the November 2015 Board meeting.

NCDOT November 2015 Board of Transportation Agenda

<u>No.</u>		<u>Enacted Page No.</u>
1	Preliminary Right of Way Plans	R-1 – R-3
2	Final Right of Way Plans	R-4 & R-5
3	Advance Acquisition of Highway Right of Way	R-6 & R-7
4	Approval of Conveyance of Highway Right of Way Residues	R-8
5	Approval of Conveyance of Surplus Highway Right of Way	R-9
6	Approval of Permanent Utility Easement Assignment	R-10

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 1)

Bertie County; I.D. No. B-5106; Project No. 42243.2.1:
Bridge No. 148 over Wahton Creek on SR 1200

(Division 3)

Brunswick County; I.D. No. R-5021; Project No. 41582.2.2:
NC 211 from SR 1500 (Midway Road) to NC 87

(Division 4)

Wilson County; I.D. No. B-5313; Project No. 46027.2.1:
Bridge No. 109 over Town Creek on SR 1002 (Town Creek Road)

(Division 5)

Wake County; I.D. No. B-4830; Project No. 38600.2.2:
Bridge No. 20 over Moccasin Creek on NC 97

Person County; I.D. No. B-5327; Project No. 46041.2.2:
Bridge No. 49 over South Hyco Creek on SR 1300 (Utilities Only)

Preliminary Right of Way Plans (continued)

(Division 5) continued

Durham County; I.D. No. EB-4707A; Project No. 38664.2.FD1:
SR 1838/SR 2220 from US 15/501 in Orange County to SR 1113 (Pope Road) in Durham County

Granville County; I.D. No. C-5116A; Project No. 46232.2.F1:
Creedmoor – NC 56 Greenway (Combined W/EB-5513 & C-5166B) Construct Bike-Pedestrian Trail System

Granville County; I.D. No. C-5116b; Project No. 46232.2.F2:
Creedmoor – NC 56 Greenway (Combined W/EB-5513 & C-5166A) Construct Bike-Pedestrian Trail System

(Division 6)

Columbus County; I.D. No. BD-5106L; Project No. 45352.2.12:
Bridge No. 79 over a flood control canal on NC 904

(Division 7)

Guilford County; I.D. No. B-4961; Project No. 40152.2.1:
Bridge No. 208 over Little Alamance Creek on SR 3051 (Knox Road)

Rockingham County; I.D. No. B-5343; Project No. 46057.2.1:
Bridge No. 169 over Cascade Creek

(Division 8)

Randolph County; I.D. No. B-5360; Project No. 46074.2.1:
Bridge No. 374 over Sandy Creek on SR 2481 (Low Bridge Road)

Scotland County; I.D. No. W-5601BD; Project No. 50138.2.57:
US 74 at NC 144 and SR 1305 (Ida Mill Road)

Randolph County; I.D. No. B-5546; Project No. 45538.2.1:
Bridge No. 307 over Mount Pleasant Creek on SR 2481

(Division 9)

Forsyth County; I.D. No. B-4746; Project No. 38518.2.2:
Bridge No. 229 over Norfolk Southern Railway Tracks on SR 2264 (Utilities Only)

Davidson County; I.D. No. B-5165; Project No. 42341.2.2:
Bridge No. 42 over Muddy Creek on SR 1485 (Utilities Only)

(Division 11)

Avery County; I.D. No. B-5383; Project No. 46098.2.2:
Bridge No. 143 over Linville River on SR 1536 (Utilities Only)

Avery County; I.D. No. B-5380; Project No. 46095.2.1:
Bridge No. 114 over a Creek on SR 1114

Preliminary Right of Way Plans (continued)

(Division 12)

Catawba County; I.D. No. W-5212M; Project No. 45342.2.13:
SR 1005 (Startown Road) at SR 1165 (Settlemyre Bridge Road)

Iredell County; I.D. No. B-4766; Project No. 38538.2.1:
Bridge No. 69 over Rocky Creek on NC 115

(Division 13)

Rutherford County; I.D. No. B-4811; Project No. 38581.2.4:
Bridge No. 87 over The Broad River on US 64 (Utilities Only)

Final Right of Way Plans

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

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

(Division 3)**Project No. 34932.2.2; New Hanover County; I.D. No. U-3338B:**

Grading, drainage, paving and signals on SR 1175 (Kerr Avenue) from Randall Parkway to SR 2649 (Martin Luther King, Jr. Parkway) in Wilmington with the right of way indicated upon the final plans for said project.

(Division 4)**Project No. 34182.3.FS3; Johnston County; I.D. No. I-3318BB:**

Grading, drainage, paving, structure and signals on Bridge No.114 and Bridge No.116 over Little River on I-95 with the right of way indicated upon the final plans for said project.

(Division 6)**Project No. 46045.2.FD1; Columbus County; I.D. No. B-5331:**

Grading, drainage, paving and structures on Bridge No. 269 over Big Branch of SR 1849 with the right of way indicated upon the final plans for said project.

Project No. 45849.2.FR1; Cumberland County; I.D. No. W-5519:

Grading, drainage and paving on I-95 BUS/US 301 from NC 87 South to NC 59 with the right of way indicated upon the final plans for said project.

Final Right of Way Plans (continued)

(Division 14)

Project No. 33313.FD2; Macon County; I.D. No. B-3868:

Drainage, grading, structure and paving on Bridge NO. 172 over Little Tennessee River on SR 1456 with the right of way indicated upon the final plans for said project

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 proposes 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 herby authorization the Right of Way Unit to acquire said properties either by negotiation or by condemnation through the Office of the Attorney General.

(Division 3)

**Property of United States of America (USMC)
I.D. No. U-5508, Parcel 900
WBS 50015.1.1, F.A. Project N/A
County of Onslow**

(Division 6)

**Property of Dayne Capps Crumpler
I.D. No. U-2519BA, Parcel 900
WBS 34817.2.23, F.A. Project N/A
County of Cumberland**

(Division 9)

**Property of Mike W. Westmoreland
I.D. No. U-2579C, Parcel 900
WBS 34839.2.6, F. A. Project N/A
County of Forsyth**

**Property of Richard C. McMahan a/w Martha
I.D. No. U-5609, Parcel 900
WBS 45836.2.FD1, F.A. Project N/A
County of Rowan**

(Division 10)

**Property of Edwina O. Leighton
I.D. No. R-0211EC, Parcel 901
WBS 34331.1.7, F.A. Project N/A
County of Mecklenburg**

Advance Acquisition of Highway Right of Way (continued)

(Division 11)

**Property of NCDOT
I.D. No. R-4060, Parcel 900
WBS 34605.2.Ru1, F.A. Project N/A
County of Alleghaney**

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 8)

**Project 8.1520103, Parcels R-0942 066, 070 and 071, US 15/501 Widening near
Pittsboro
Chatham County**

Conveyance of an approximate, combined 6.040-acre residue area to Nathalie Worthington under Trust Deed dated April 1991 for the high bid amount of \$27,100.00.

CONVEYANCE ROW RESIDUE

1 PROJECT(S)

\$27,100.00

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 34410.2.25, Parcel R-2248E 111, I-485 (Charlotte Outer Loop) from East of NC 115 (Old Statesville Road) to I-85 North

Mecklenburg County

Abandonment of an approximate 0.058-acre permanent drainage easement area to Highland Creek Retail, LLC for no monetary consideration.

Project 8.T671005, Parcel U-0209C 063, US 74 (Independence Blvd) in Charlotte Mecklenburg County

Abandonment of an approximate 0.059-acre surplus right of way area to WB Commonwealth, LLC for no monetary consideration.

Approval of Permanent Utility Easement Assignment

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

(Division 12)

**Intersection of Highway 74A (East Marion Street) and Highway 180 (Post Road)
Cleveland County**

The Department acquired an approximate 6.230-acre area from County of Cleveland at the intersection of Highway 74A and Highway 74A (East Marion Street) and Highway 180 (Post Road) to construct a Division Office. The City of Shelby has requested an approximate 0.044-acre permanent utility easement for the installation of maintenance of water line. The Department has determined that this conveyance would do minimal damage to the property. The City of Shelby has agreed to the conveyance for no monetary consideration.

APPROVAL OF PERMANENT UTILITY EASEMENT 1 PROJECT(S) \$0.00

R-ITEM SUMMARY 36 PROJECT(S) TOTAL: \$27,100.00

**NORTH CAROLINA BOARD OF TRANSPORTATION
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE
APPROPRIATIONS FISCAL YEAR 2015 – 2016**

There will be no Maintenance Allocation submitted to the Board for approval at the November 2015 Board meeting.

October 19, 2015

MEMORANDUM TO: Board of Transportation
FROM: Transportation Planning Branch
SUBJECT: Submission of the Amendment to the Currituck County Comprehensive Transportation Plan for Mutual Adoption by the Board of Transportation

The Transportation Planning Branch has worked cooperatively with Currituck County on an amendment to the Comprehensive Transportation Plan (CTP). The plan was adopted by Currituck County on October 5, 2015. The Albemarle RPO endorsement of the plan is October 21, 2015.

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

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

The Transportation Planning Branch recommends the mutual adoption of the Currituck County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of October 6, 2015.

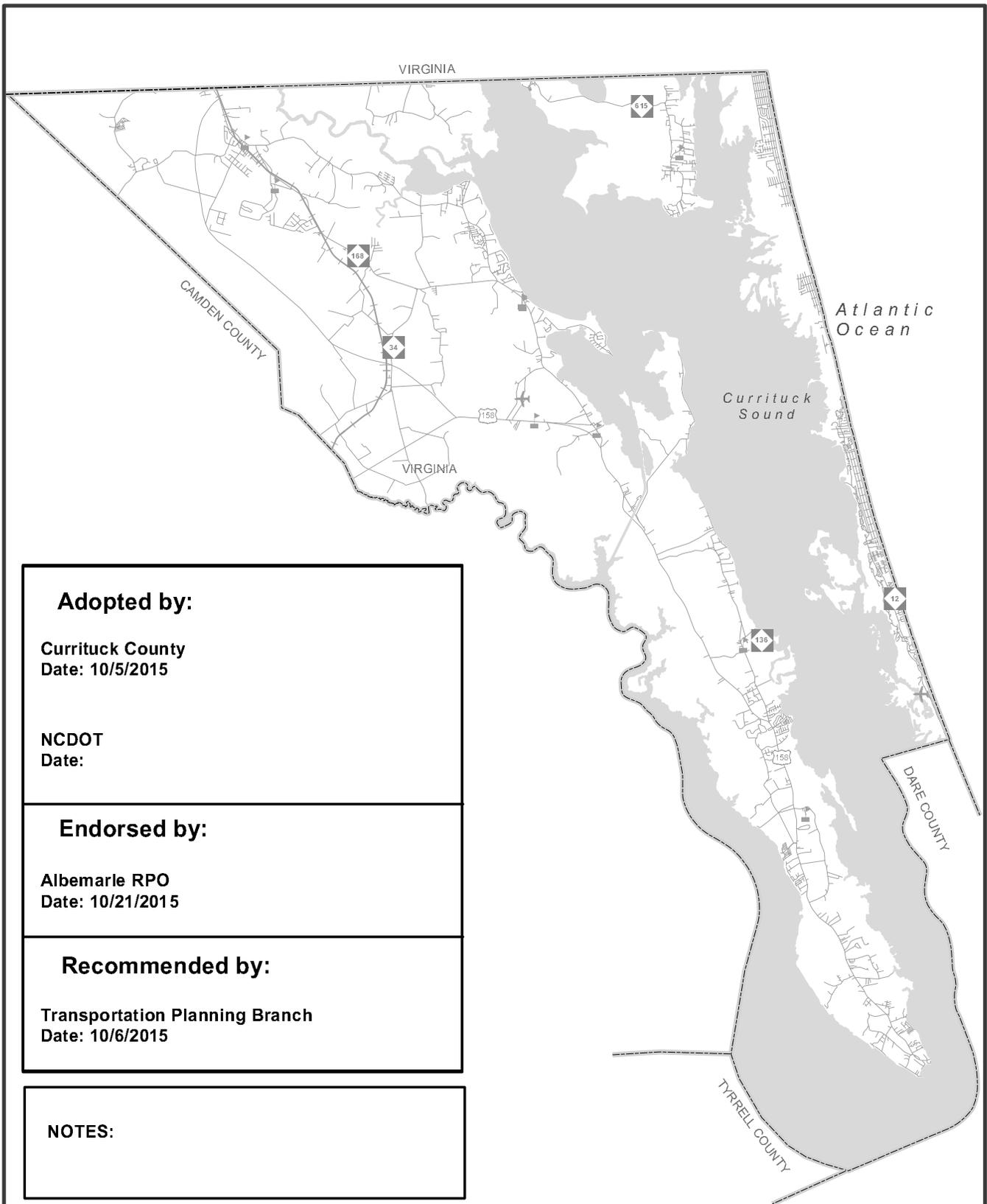
Sincerely,



Patrick Norman, P.E.
Manager, Transportation Planning Branch

Attachment

November 5, 2015



Adopted by:
Currituck County
Date: 10/5/2015

NCDOT
Date:

Endorsed by:
Albemarle RPO
Date: 10/21/2015

Recommended by:
Transportation Planning Branch
Date: 10/6/2015

NOTES:

Sheet 1	Adoption Sheet
Sheet 2	Highway Map
Sheet 3	Public Transportation and Rail Map
Sheet 4	Bicycle Map
Sheet 5	Pedestrian Map

Legend

-  Currituck_Schools
-  Currituck_air
-  Currituck_Rail
-  County Boundary
-  Currituck_Water
-  Currituck_streams
-  Roads

0 0.5 1 2 3 Miles



Figure 1
 Sheet 1 of 5
 Base map date: August 2010
 Refer to CTP document for more details



Currituck County
 North Carolina
AMENDMENT
Comprehensive
Transportation Plan
RECOMMENDED
 Plan date: October 1, 2015

October 19, 2015

MEMORANDUM TO: Board of Transportation
FROM: Transportation Planning Branch
SUBJECT: Submission of the Amendment to the Camden County Comprehensive Transportation Plan for Mutual Adoption by the Board of Transportation

The Transportation Planning Branch has worked cooperatively with Camden County on an amendment to the Comprehensive Transportation Plan (CTP). The plan was adopted by Camden County on October 5, 2015. The Albemarle RPO endorsement of the plan is October 21, 2015.

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

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

The Transportation Planning Branch recommends the mutual adoption of the Camden County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of October 6, 2015.

Sincerely,



Patrick Norman, P.E.
Manager, Transportation Planning Branch

Attachment

November 5, 2015

VIRGINIA

GATES

CURRITUCK

PASQUOTANK



Camden County

North Carolina

RECOMMENDED

Comprehensive Transportation Plan

Plan date: October, 2015

- Sheet 1 **Adoption Sheet**
- Sheet 2 **Highway Map**
- Sheet 3 **Public Transportation and Rail Map**
- Sheet 4 **Bicycle Map**
- Sheet 5 **Pedestrian Map**

Legend

-  Camden Boundary
-  Roads
-  Railroads
-  Schools
-  Rivers and Streams



Figure 1, Sheet 1 of 5
Base map date: November 2011

Adopted by:

Camden County
Date: 10/5/2015

NCDOT
Date:

Endorsed by:

Albemarle RPO Date: 10/21/2015

Recommended by:

Transportation Planning Branch
Date: 10/6/2015

NOTES:

RESOLUTION FOR TROOPER CLARENCE L. SWARTZ

WHEREAS, Clarence Luther Swartz was born on September 6, 1927 in Washington, DC and joined the Merchant Marines at the age of 16 during World War II where he served for two years; and

WHEREAS, in 1947 Mr. Swartz became a Driver's License Examiner for the State of North Carolina and four years later he became one of four State Troopers assigned to New Hanover County at that time; and

WHEREAS, Trooper Swartz worked as a productive member of the North Carolina State Highway Patrol for 25 years, all of which he was stationed in New Hanover County; and

WHEREAS, Trooper Swartz became widely known for his passion for teaching and counseling young teens in the community and spent much of his career and time during retirement mentoring youth and young troopers. Trooper Swartz was always fair and professional with the public and prided himself on knowing that during his tenure as a Trooper, there was not one single teenage fatality on Oleander Drive. Trooper Swartz was nicknamed the "Oleander Ranger"; and

WHEREAS, Trooper Swartz was recognized for countless arrests including the capture of Charles "Yank" Stewart, infamous for leading the largest prison escape in North Carolina history; and

WHEREAS, Trooper Swartz retired on October 26, 1976 but continued to serve the Wilmington/Wrightsville Beach community; and

WHEREAS, Trooper Swartz was a resident of New Hanover County and a pillar of the community from 1947 until his death in 2012; and

WHEREAS, the Wilmington City Council requests to name the bridge over Bradley Creek in Wilmington in memory of Trooper Clarence Luther Swartz.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the bridge over Bradley Creek on Oleander Drive in Wilmington as the ***Trooper Clarence L. Swartz Bridge***.

That appropriate signs be erected at a suitable time.

Adopted, this the fifth day of November 2015 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation

DBE/MB/WB LETTING SUMMARY

Federal Contract Awards Summary

Oct 2015 let through Oct 2015 let
Begin Federal Fiscal Year 2015/2016

	Value Of Contract	DBE Goals Set		DBE Participation Submitted		DBE Participation Split			
		\$	%	\$	%	MB		WB	
	\$			\$		\$	%	\$	%
Monthly	39,482,499.86	2,154,438.70	5.5	3,671,088.80	9.3	0.00	0.0	3,671,088.80	9.3
FY to Date	39,482,499.86	2,154,438.70	5.5	3,671,088.80	9.3	0.00	0.0	3,671,088.80	9.3

State Contract Awards Summary

Jul 2015 let through Oct 2015 let
State Fiscal Year 2015/2016

	Value Of Contract	MB Goals Set		MB Participation Submitted		WB Goals Set		WB Participation Submitted	
		\$	%	\$	%	\$	%	\$	%
Monthly	5,596,356.50	223,854.26	4.0	129,998.00	2.3	335,781.39	6.0	335,787.90	6.0
FY to Date	166,066,694.86	7,192,859.76	4.3	5,548,598.40	3.3	9,503,654.34	5.7	11,462,224.40	6.9

Letting Date(s): October 20th, 2015
Award Date: November 5th, 2015
Award Subject to Secretary's Approval

LETTING DATES: October 20., 2015

AWARD DATE: November 5, 2015

Contract Information	County	Work Description	Prime Contractor	ADVERTISED GOALS SET			PARTICIPATION SUBMITTED		GOOD FAITH EFFORT AWARDED		AWARDED BY SECRETARY		
				1.0	4.0	6.0	1.0	6.0	YES	NO	YES	NO	
32635.3.9 BRNH-0012(62) B-2500AB C203756	DARE	GRADING, DRAINAGE, PAVING & STRUCTURE.	T. A. LOVING COMPANY	1.0			1.0					X	
2016CPT.03.09.10101, etc. C203760	BRUNSWICK	RESURFACING, SHOULDER RECONSTRUCTION, GUARDRAIL, & SIGNALS.	S. T. WOOTEN CORPORATION		4.0	6.0		2.3	6.0	X		X	
40151.3.2 BRZ-2719(1) B-4959 C203625	GUILFORD	GRADING, DRAINAGE, PAVING, AND STRUCTURE.	R.E. BURNS & SONS CO., INC.		7.0			7.0				X	
55063.3.F1 CMS-0710(29) C-5558 C203627	GUILFORD	COMPUTERIZED SIGNAL SYSTEM.	HAYNES ELECTRIC UTILITY CORP.		4.0			4.0				X	
38551.3.FD1 BRZ-1111(8) B-4780 C203616	MONTGOMERY	GRADING, DRAINAGE, PAVING, AND CULVERT.	MOUNTAIN CREEK CONTRACTORS INC		7.0			7.0				X	
38331.3.FR1 STPNHS-0052(31) B-3159 C203587	DAVIDSON	GRADING, DRAINAGE, PAVING, SIGNALS, RET WALL, AND STRUCTURE.	J. T. RUSSELL & SONS, INC.		13.0			13.0				X	
41902.3.FR1 STP-064B(3) U-5104 C203318	TRANSYLVANIA	GRADING, DRAINAGE, PAVING, SIGNALS & WALLS.	WATSON CONTRACTING, INC.		7.0			7.0				X	



November 4, 2015

Financial Update

David Tyeryar, Chief Financial Officer



Financial Update

SFYTD 2016 as compared SFYTD 2015

Dollars in Millions	<u>September 15</u>	<u>September 14</u>	<u>September 15</u>	<u>September 14</u>	<u>% Change</u>
Revenue Collections	\$ 508	\$ 383	\$ 1,295	\$ 1,168	10.9%
Expenditures	<u>450</u>	<u>443</u>	<u>1,254</u>	<u>1,240</u>	1.1%
Net Change	\$ 58	\$ (60)	\$ 41	\$ (72)	
	<u>September 15</u>	<u>September 14</u>			
Cash Balances:					
Trust Fund	\$ 1,170	\$ 913			
Highway Fund*	<u>307</u>	<u>207</u>			
Totals	<u><u>\$ 1,477</u></u>	<u><u>\$ 1,120</u></u>			

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



Unaudited Financial Report

Transportation

Revenue & Expenditure Variances > 5%

As of September 30, 2015

RECEIPTS		
State & Federal Receipts:	Budget/Actual	Reason for Variance
Highway Use Tax	13%	Car sales are higher than estimated.
Motor Fuels Taxes	10%	The number of gallons of gasoline sold in the first quarter of SFY 2016 is almost 10% higher than the number of gallons sold in the first quarter of SFY 2015.
Investment Income	226%	Budget was based on the projected cash balance. It was assumed that the balance would be lower.
EXPENDITURES		
State & Federal Funded Programs:	Budget/Actual	Reason for Variance
Construction	-15%	STI expenditures are below the estimated budget.
Other Modal/Other Programs	-25%	Spend rate for 1st quarter of SFY 2015 was higher than for 1st quarter of SFY 2016.
Public Transportation	18%	Rural Operating Assistance Program Allotment paid out earlier this fiscal year.
Transfers to Other Agencies	-78%	First quarterly payment to State Ports Authority was not paid until October.
Administration	-43%	It is spending prior year carried forward authorizations.



Revenue Summary September 2015

(\$ in Millions)

	September 2015	September 2014	Year Over Year				SFY to Budget		
			2015-2016 Actual	2014-2015 Actual	\$	%	Budget to Date	\$	%
State & Federal Receipts:									
Highway Fund *	\$ 174.4	\$ 151.2	\$ 523.6	\$ 501.2	\$ 22.4	4%	\$ 478.4	\$ 45.2	9%
Highway Trust Fund *	114.8	105.0	343.0	309.0	33.9	11%	329.0	14.0	4%
Total State Funds	289.2	256.3	866.5	810.2	56.3	7%	807.3	59.2	7%
Federal Funds/Participation	215.8	124.8	392.4	324.8	67.6	21%	\$ 296.4	96.0	32%
GARVEE Reimbursement/NCTA	3.0	2.1	35.8	32.5	3.3	10%	N/A	N/A	N/A
Total	\$ 508.0	\$ 383.1	\$ 1,294.8	\$ 1,167.5	\$ 127.3	11%	\$ 1,103.7	\$ 155.2	17%
<hr/>									
	September 2015	September 2014	Year Over Year				SFY to Budget		
			2015-2016 Actual	2014-2015 Actual	\$	%	Budget to Date	\$	%
* Memo									
Highway Fund & Trust Fund Details									
Motor Fuel Taxes	\$ 172.7	\$ 160.4	\$ 503.3	\$ 483.3	\$ 20.0	4%	\$ 458.6	\$ 44.7	10%
Highway Use Tax	61.9	55.3	183.9	160.8	23.2	14%	162.6	21.4	13%
DMV/Other Revenue	53.8	40.1	177.7	165.2	12.6	8%	185.7	(8.0)	-4%
Investment Income	0.8	0.4	1.6	0.9	0.6	67%	0.5	1.1	226%
Total	\$ 289.2	\$ 256.3	\$ 866.5	\$ 810.2	\$ 56.3	7%	\$ 807.3	\$ 59.2	7%



Unaudited Financial Report

Transportation

Expenditure Summary September 2015

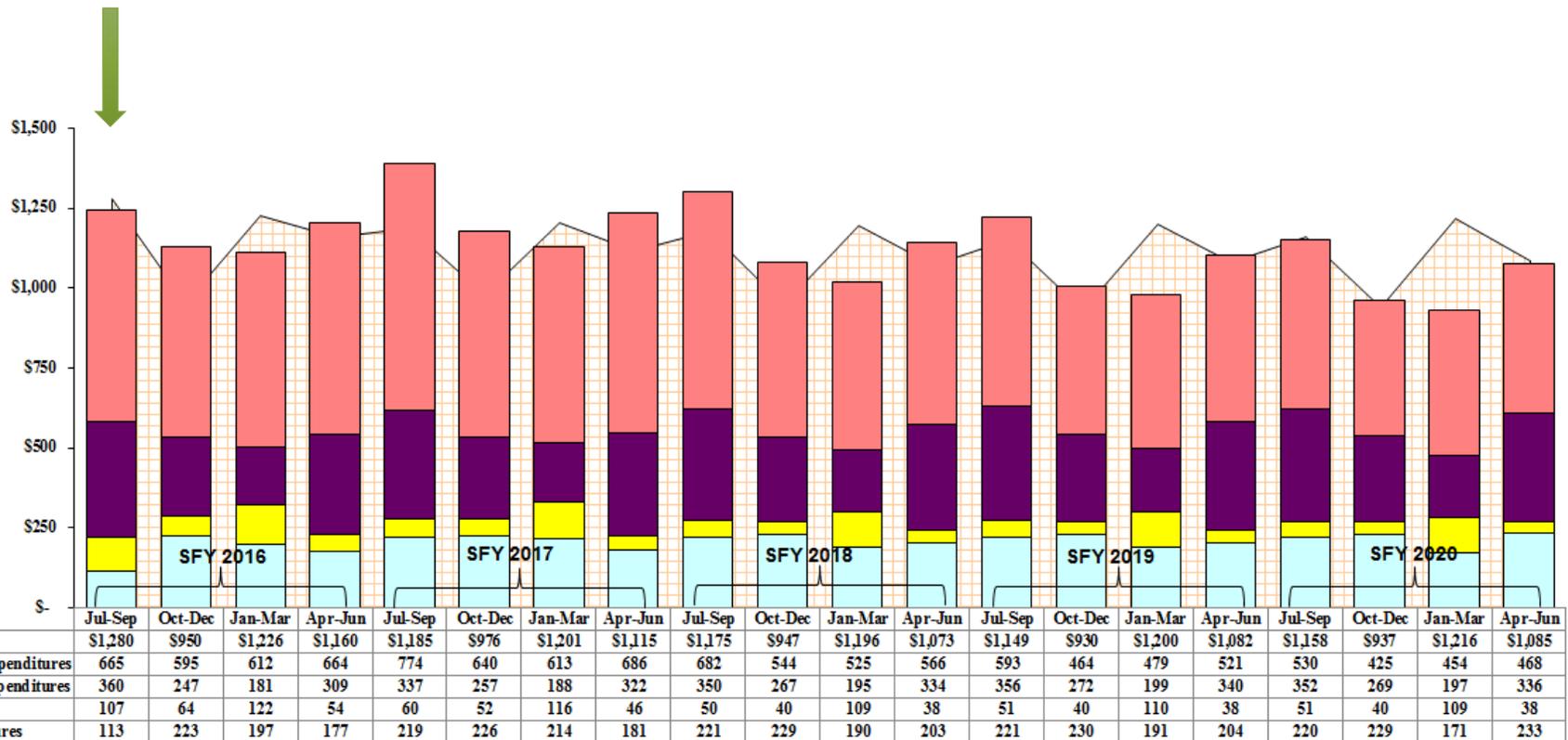
(\$ in millions)

			Year Over Year				SFY to Budget		
	Sep-15	Sep-14	2015-2016 Actual	2014-2015 Actual	\$	%	2015-2016 Budget	\$	%
State & Federal Funded Programs:									
Construction	\$ 182.6	\$ 190.8	\$ 571.5	\$ 570.1	\$ 1.4	0%	\$ 669.2	\$ (97.7)	-15%
Maintenance	120.7	119.0	359.3	340.2	19.1	6%	346.0	13.3	4%
Public Transportation	7.3	6.9	20.8	14.7	6.1	41%	17.5	3.2	18%
Other Modal/Other Programs	9.2	14.3	32.5	39.2	(6.7)	-17%	43.3	(10.8)	-25%
Administration	22.0	20.2	22.9	35.1	(12.1)	-35%	40.5	(17.6)	-43%
Municipal Aid	73.9	73.4	73.9	73.4	0.5	0%	73.8	-	0%
Transfers to Other Agencies	0.9	2.6	2.4	59.1	(56.7)	NA	11.1	(8.6)	-78%
GARVEE/NCTA/Special Initiatives	33.7	15.7	170.9	107.9	63.0	58%	N/A	N/A	N/A
Total Expenditures	\$ 450.3	\$ 442.8	\$ 1,254.2	\$ 1,239.7	\$ 14.5	1%	\$ 1,201.4	\$ (118.1)	-10%



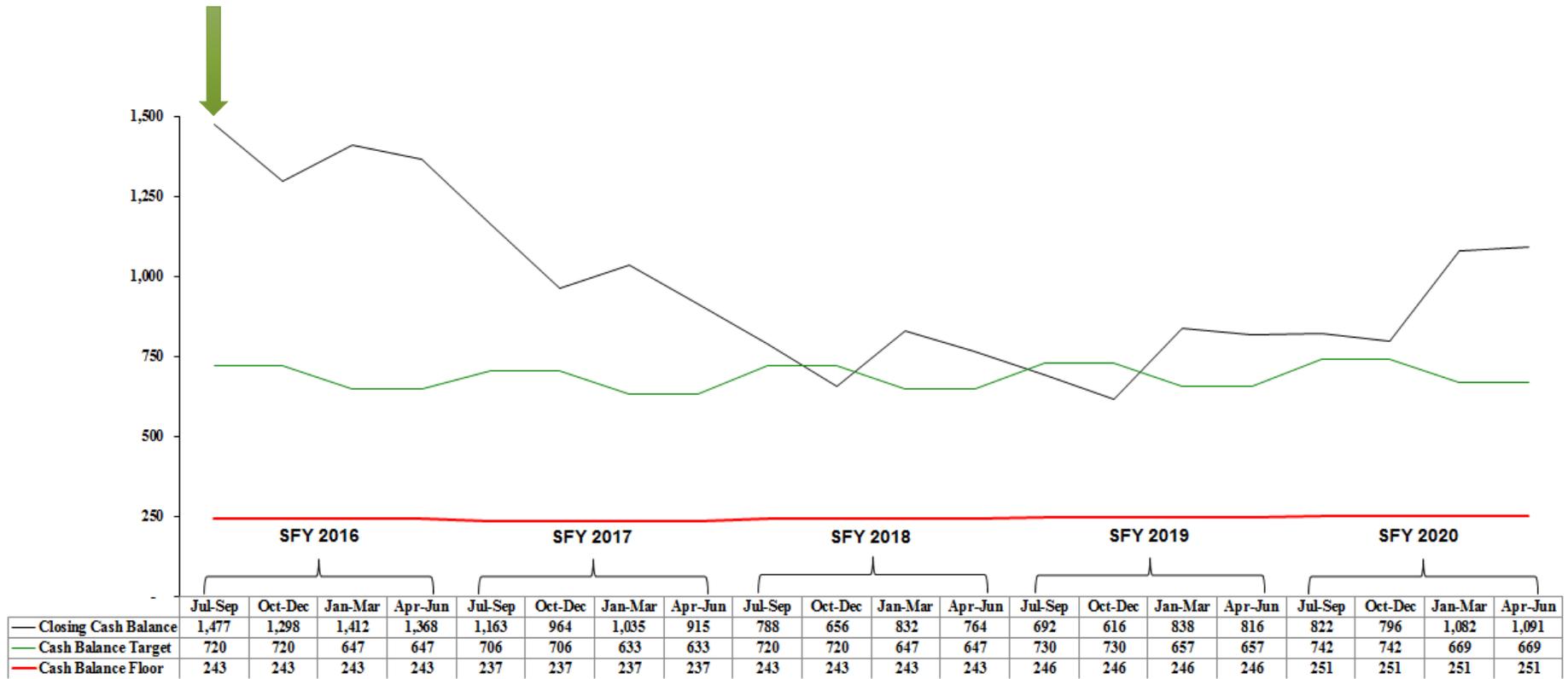
60 Month Cash Model

Revenue & Expenditure Projections as of September 2015

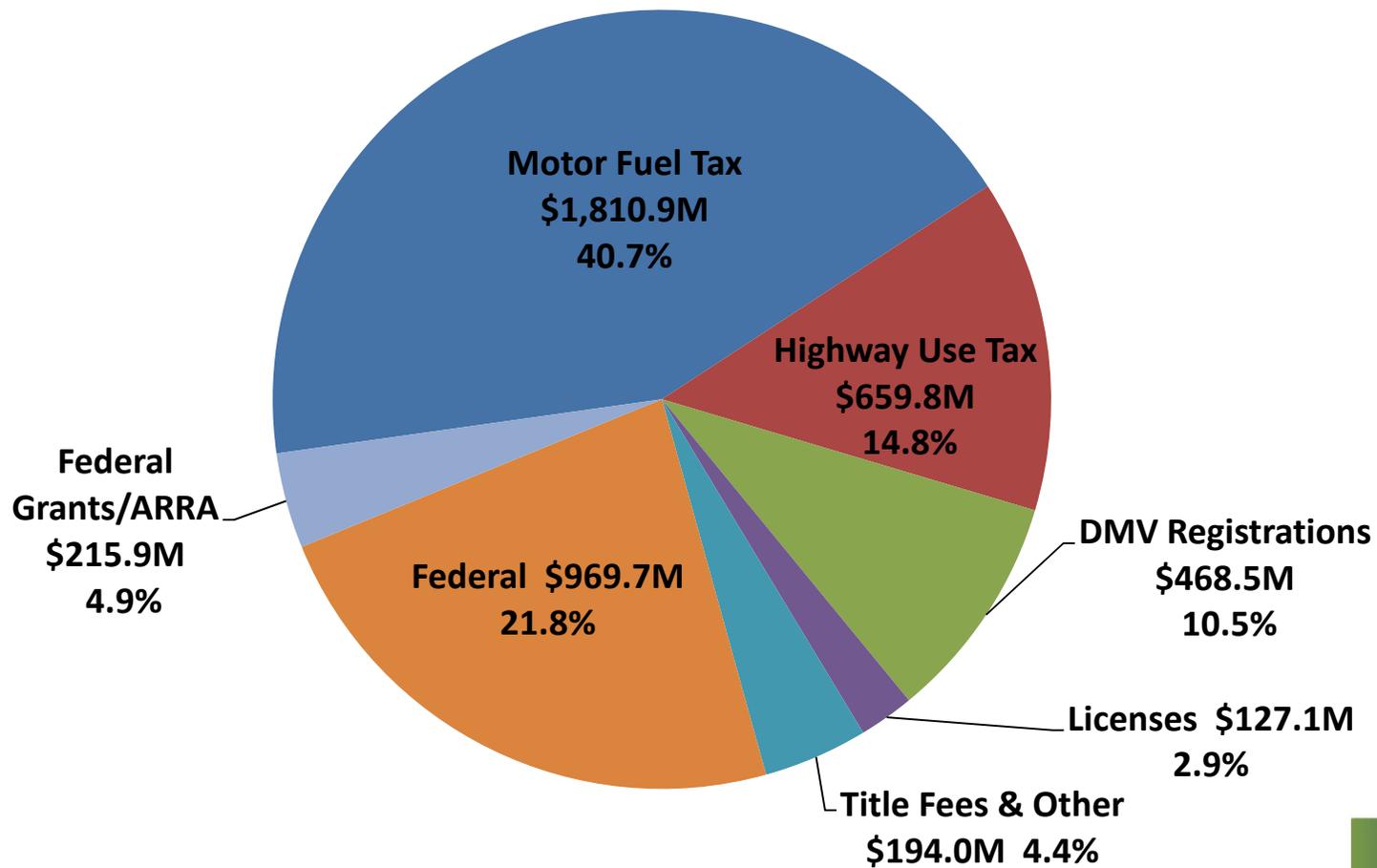


60 Month Cash Model

Cash Projections as of September 2015



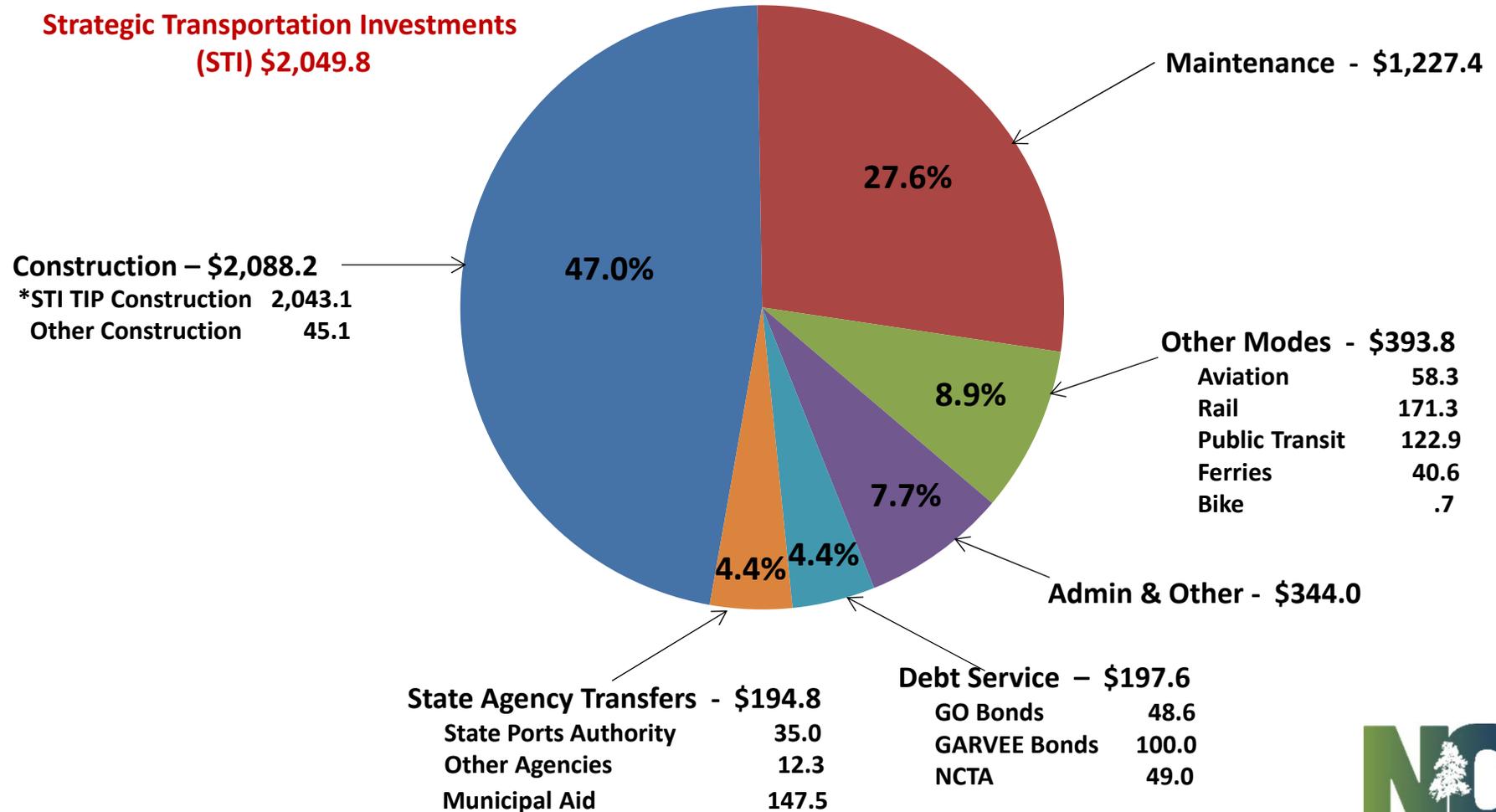
NCDOT Revenue Sources SFY2016 - \$4.4 Billion



Uses of 2015-16 NCDOT Appropriations

Total Funding = \$4.4 Billion

(Excludes Receipt Supported Funding of \$0.1B)



(\$ in millions)



Unaudited Financial Report

Transportation

Right of Way & Preliminary Engineering Expenditures

SFY 2016 Period Ending September 2015

	1st Quarter SFY	2nd Quarter SFY	3rd Quarter SFY	4th Quarter SFY	SFY Totals	SFY Target	% of Target
Right of Way:							
TIP Projects (excluding GV)	\$ 105.2				\$ 105.2	\$ 300.0	35%
Garvee Projects (GV)	2.5				2.5	62.6	4%
Total TIP Projects	\$ 107.7	\$ -	\$ -	\$ -	\$ 107.7	\$ 362.6	
Preliminary Engineering:							
TIP Projects (excluding TA)	\$ 50.9				\$ 50.9	\$ 165.0	31%
Toll Authority (TA) Projects	0.9				0.9	6.5	14%
Total TIP Projects	\$ 51.8	\$ -	\$ -	\$ -	\$ 51.8	\$ 171.5	

MEMO: State Fiscal YTD Totals Exclude Specific Allocations

(\$ in Millions)



Unaudited Financial Report

Transportation

FFY 2015 Federal Rail Scorecard

As of September 30, 2015

ARRA Rail Grant Awards (Inception to Date)

GRANT DESCRIPTION	GRANT AWARD - BUDGET	PROJECT ALLOTMENTS	EXPENDITURES	FEDERAL REIMBURSEMENTS	PENDING BILL AMOUNTS	AVAILABLE TO BILL	EXCEPTIONS
NCDOT Piedmont Third & Fourth Frequency Equipment Procurement & Rehabilitation Period of Performance End Date 9-30-2017	\$ 520,000,000	\$ 517,725,848	\$ 320,367,001	\$ 311,270,371	\$ -	\$ 9,096,630	
SE High Speed Rail Corridor PE/NEPA - Richmond, Va to Raleigh, NC Period of Performance End Date 9- 01-2015	\$ 4,000,000	\$ 4,000,000	\$ 3,885,059	\$ 3,885,059	\$ -	\$ -	
NCDOT Intercity Passenger Rail Congestion Mitigation Period of Performance End Date 8-30-2014	\$ 26,560,839	\$ 26,560,839	\$ 5,841,892	\$ 4,605,727	\$ -	\$ 1,236,165	
TOTAL ARRA	\$ 550,560,839	\$ 548,286,687	\$ 330,093,952	\$ 319,761,157	\$ -	\$ 10,332,795	\$ 2,579,474

FEDERAL Rail Grant Awards (NON-ARRA)

GRANT DESCRIPTION	GRANT AWARD - BUDGET	PROJECT ALLOTMENTS	EXPENDITURES	FEDERAL REIMBURSEMENTS	PENDING BILL AMOUNTS	AVAILABLE TO BILL	EXCEPTIONS
Traditional Rail Projects - Various	\$ 22,000,000	\$ 22,000,000	\$ 3,473,954	\$ 30,464	\$ -	\$ -	\$ (46,290)

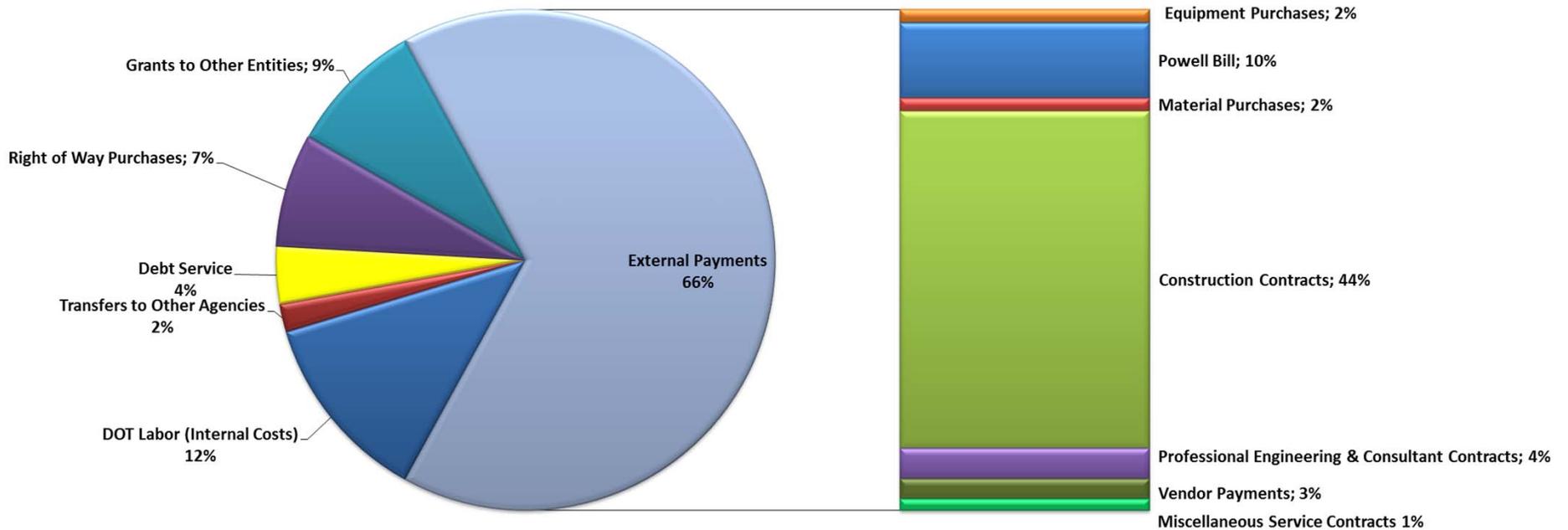


Unaudited Financial Report

Transportation

NCDOT Expenditures

SFY2016 as of September 30, 2015



History of Outsourcing

Construction, PE & Maintenance

Direct Payments to Contractors – from Accounting System

LetMonth	2012	2013	2014	2015	2016
July	\$ 448,407,234.80	\$ 185,312,013.66	\$ 176,706,305.23	\$ 113,391,639.12	\$ 112,245,855.41
August	138,357,208.50	289,393,675.95	89,999,231.25	\$ 219,184,446.85	\$ 160,495,753.89
September	158,308,729.59	166,861,142.45	411,096,640.28	\$ 63,613,868.21	\$ 192,743,746.62
October	140,842,886.18	110,471,922.48	130,520,847.46	\$ 259,030,359.39	
November	134,024,782.15	67,494,301.44	165,491,329.33	\$ 416,878,346.74	
December	92,793,922.73	159,071,326.49	131,252,531.08	\$ 113,550,459.34	
January	356,408,776.77	104,084,869.28	359,662,160.77	\$ 101,068,086.75	
February	246,292,023.88	164,653,616.54	160,656,840.86	\$ 164,939,003.95	
March	223,848,754.38	285,956,557.24	115,534,131.67	\$ 274,440,078.10	
April	173,734,294.47	125,968,286.35	472,735,059.92	\$ 127,275,019.12	
May	202,516,469.42	186,589,420.50	127,483,945.94	\$ 556,524,677.05	
June	341,428,007.73	103,102,151.15	309,412,638.16	\$ 334,569,314.45	
Total	\$ 2,656,963,090.58	\$ 1,948,959,283.52	\$ 2,650,551,661.95	\$ 2,744,465,299.06	\$ 465,485,355.92



REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP ADDITIONS

DIVISION 11

* EB-5806 CALDWELL PROJ.CATEGORY DIVISION	LENOIR, HOSPITAL AVENUE, HARPER AVENUE TO US 321 (BLOWING ROCK BOULEVARD). CONSTRUCT SIDEWALK. <u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>	CONSTRUCTION	FY 2016 - \$800,000 (STPDA) FY 2016 - <u>\$200,000</u> (L) \$1,000,000
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* R-5775 CALDWELL PROJ.CATEGORY EXEMPT	GRANITE FALLS, INTERSECTION OF US 321 AND SR 1109 (PINWOODS ROAD EXTENSION). CONSTRUCT INTERSECTION IMPROVEMENTS. <u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>	CONSTRUCTION	FY 2016 - \$400,000 (STPDA) FY 2016 - <u>\$100,000</u> (L) \$500,000
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DIVISION 12

* EB-5803 CATAWBA PROJ.CATEGORY DIVISION	CONOVER, 1ST AVENUE AREA BICYCLE AND PEDESTRIAN IMPROVEMENTS. <u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>	CONSTRUCTION	FY 2016 - \$399,000 (STPDA) FY 2016 - <u>\$100,000</u> (L) \$499,000
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* EB-5804 CATAWBA PROJ.CATEGORY DIVISION	NEWTON, NEWTON CONOVER HIGH SCHOOL SIDEWALK CONNECTION. <u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>	CONSTRUCTION	FY 2016 - \$439,000 (STPDA) FY 2016 - <u>\$88,000</u> (L) \$527,000
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* EB-5805 CATAWBA PROJ.CATEGORY DIVISION	HICKORY, CITYWALK - PHASE I. CONSTRUCT MULTI- PURPOSE PEDESTRIAN AND BICYCLE PATH. <u>ADD ENGINEERING IN FY 16 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>	ENGINEERING	FY 2016 - \$800,000 (STPDA) FY 2016 - <u>\$200,000</u> (L) \$1,000,000
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* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP ADDITIONS

DIVISION 12

* EB-5808	HICKORY, UPGRADE CURRENT PEDESTRIAN SIGNALS	CONSTRUCTION	FY 2016 -	\$322,000	(STPDA)
CALDWELL	AND INSTALL NEW PEDESTRIAN SIGNALS.		FY 2016 -	\$80,000	(L)
BURKE	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>			\$402,000	
CATAWBA	<u>PROGRAMMED. PROJECT IS BEING FUNDED WITH</u>				
PROJ.CATEGORY	<u>THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>				
DIVISION					

DIVISION 13

* EB-5807	MORGANTON, MORGANTON DOWNTOWN GREENWAY	CONSTRUCTION	FY 2016 -	\$1,335,000	(STPDA)
BURKE	CONNECTOR.		FY 2016 -	\$334,000	(L)
PROJ.CATEGORY	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>			\$1,669,000	
DIVISION	<u>PROGRAMMED. PROJECT IS BEING FUNDED WITH</u>				
	<u>THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>				

* EB-5809	HILDEBRAN, NORTH CENTER STREET, FIRST AVENUE	CONSTRUCTION	FY 2016 -	\$621,000	(STPDA)
BURKE	NE TO WILSON ROAD. CONSTRUCT SIDEWALK.		FY 2016 -	\$155,000	(L)
PROJ.CATEGORY	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>			\$776,000	
DIVISION	<u>PROGRAMMED. PROJECT IS BEING FUNDED WITH</u>				
	<u>THE GREATER HICKORY MPO'S STP-DA FUNDING.</u>				

STIP MODIFICATIONS

DIVISION 2

B-5100	GREENVILLE (KING GEORGE ROAD), REPLACE BRIDGE	CONSTRUCTION	FY 2016 -	\$687,000	(STPOFF)
PITT	730421 OVER MEETING HOUSE BRANCH.			\$687,000	
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO</u>				
DIVISION	<u>ALLOW ADDITIONAL TIME FOR RIGHT OF WAY</u>				
	<u>ACQUISITION BY CITY OF GREENVILLE.</u>				

DIVISION 4

* C-5549	ROCKY MOUNT, NASHVILLE ROAD, RALEIGH ROAD,	CONSTRUCTION	FY 2017-	\$479,000	(CMAQ)
NASH	WINSTEAD AVENUE AND RALEIGH STREET.			\$479,000	
PROJ.CATEGORY	CONSTRUCT SIDEWALKS.				
EXEMPT	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 17 TO</u>				
	<u>ALLOW CITY OF ROCKY MOUNT ADDITIONAL TIME</u>				
	<u>FOR PLANNING AND DESIGN.</u>				

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 5

B-5327	SR 1300 (CONCORD CHURCH ROAD), REPLACE	RIGHT-OF-WAY	FY 2017 -	\$93,000	(HFB)
PERSON	BRIDGE 720049 OVER SOUTH HYCO CREEK.	UTILITIES	FY 2017 -	\$106,000	(HFB)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND</u>	CONSTRUCTION	FY 2018 -	\$1,650,000	(HFB)
HWY FUNDS	<u>CONSTRUCTION FROM FY 17 TO FY 18 FOR</u>			\$1,849,000	
	<u>STRATEGIC LETTING PURPOSES.</u>				
* C-5169	PARK-AND-RIDE LOT, NORTH CAROLINA STATE	CONSTRUCTION	FY 2016 -	\$277,000	(CMAQ)
WAKE	UNIVERSITY. CONSTRUCT PARKING LOT NEAR NC		FY 2016 -	\$69,000	(L)
PROJ.CATEGORY	STATE UNIVERSITY CENTENNIAL CAMPUS.			\$346,000	
EXEMPT	<u>MODIFY DESCRIPTION AT REQUEST OF FHWA AND</u>				
	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 AT</u>				
	<u>REQUEST OF MPO AND TRANSPORTATION PLANNING</u>				
	<u>BRANCH.</u>				
EB-5514	NC 751 / SR 1183 / SR 2220 / NON-SYSTEM (UNIVERSITY	CONSTRUCTION	FY 2016 -	\$820,000	(STPEB)
DURHAM	DRIVE), SR 1116 (GARRETT ROAD) TO SR 1158		FY 2016 -	\$205,000	(L)
PROJ.CATEGORY	(CORNWALLIS ROAD) IN DURHAM. ADD BICYCLE			\$1,025,000	
TRANSITION	LANES AND PEDESTRIAN IMPROVEMENTS.				
	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 - CITY</u>				
	<u>NEEDS ADDITIONAL TIME TO COMPLETE R/W.</u>				
I-5307B	I-540, BRIDGE 910342 OVER I-40 IN DURHAM. REPLACE	CONSTRUCTION	FY 2016 -	\$300,000	(NHP)
DURHAM	JOINTS.			\$300,000	
PROJ.CATEGORY	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
TRANSITION	<u>PROGRAMMED AT REQUEST OF DIVISION, TO ALLOW</u>				
	<u>SEPARATE LETTING OF WORK COVERED IN EXISTING</u>				
	<u>AUTHORIZATION.</u>				
* I-5506	I-40, SR 1002 (AVIATION PARKWAY) INTERCHANGE.	RIGHT-OF-WAY	FY 2017 -	\$1,750,000	(NHP)
WAKE	CONSTRUCT LOOP RAMP IN NORTHWEST QUADRANT.	UTILITIES	FY 2017 -	\$93,000	(NHP)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	CONSTRUCTION	FY 2018 -	\$8,650,000	(NHP)
STATEWIDE	<u>THRESHOLDS.</u>		FY 2019 -	\$8,650,000	(NHP)
				\$19,143,000	

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 5

I-5707 DURHAM PROJ.CATEGORY STATEWIDE	I-40, NC 55 (ALSTON AVENUE) TO NC 147 (DURHAM FREEWAY / TRIANGLE EXPRESSWAY) IN DURHAM. CONSTRUCT WESTBOUND AUXILIARY LANE. <u>DELAY CONSTRUCTION FROM FY 21 TO FY 22 TO ALLOW TIME FOR RAILROAD COORDINATION.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2020 - \$268,000 (NHP) FY 2020 - \$32,000 (NHP) FY 2022 - \$7,585,000 (NHP) FY 2023 - <u>\$7,584,000</u> (NHP)	
				\$15,469,000
I-5787 VANCE GRANVILLE PROJ.CATEGORY STATEWIDE	I-85, NORTH OF NC 56 IN GRANVILLE COUNTY TO US 158 IN VANCE COUNTY. PAVEMENT REHABILITATION. <u>REVISE NORTHERN TERMINUS.</u>	CONSTRUCTION	FY 2016 - \$2,500,000 (NHPIM) FY 2017 - <u>\$2,500,000</u> (NHPIM)	\$5,000,000
I-5819 VANCE GRANVILLE PROJ.CATEGORY STATEWIDE	I-85, NORTH OF NC 56 IN GRANVILLE COUNTY TO US 158 IN VANCE COUNTY. DRAINAGE REHABILITATION. <u>MODIFY WORK SCOPE AND REVISE TERMINI.</u>	CONSTRUCTION	FY 2016 - \$500,000 (NHPIM) FY 2017 - <u>\$500,000</u> (NHPIM)	\$1,000,000
I-5843 VANCE GRANVILLE PROJ.CATEGORY STATEWIDE	I-85, NORTH OF NC 56 IN GRANVILLE COUNTY TO US 158 IN VANCE COUNTY. STRUCTURE AND SIGNING REHABILITATION. <u>MODIFY WORK SCOPE AND REVISE TERMINI.</u>	CONSTRUCTION	FY 2016 - \$1,000,000 (NHPIM) FY 2017 - \$1,000,000 (NHPIM)	\$2,000,000
* U-2719 WAKE PROJ.CATEGORY STATEWIDE	I-440 / US 1, SOUTH OF SR 1313 (WALNUT STREET) TO NORTH OF SR 1728 (WADE AVENUE) IN RALEIGH. WIDEN FROM FOUR TO SIX LANES, IMPROVE STORAGE AT LAKE BOONE TRAIL INTERCHANGE AND INSTALL RAMP METERS. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2018 - \$22,208,000 (NHP) FY 2018 - \$102,000 (NHP) FY 2018 - \$26,300,000 (NHP) FY 2019 - \$26,300,000 (NHP) FY 2020 - \$26,300,000 (NHP) FY 2021 - \$26,300,000 (NHP)	\$127,510,000

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 6

* B-5412	SR 1702 (WILLIAMS ROAD), REPLACE BRIDGE 420007	RIGHT-OF-WAY	FY 2016 -	\$60,000	(STPOFF)
HARNETT	OVER WEST BUIES CREEK.	CONSTRUCTION	FY 2017 -	<u>\$600,000</u>	(STPOFF)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 23 TO FY 16</u>			\$660,000	
DIVISION	<u>AND CONSTRUCTION FROM FY 24 TO FY 17. THE</u>				
	<u>BRIDGE SUFFICIENCY RATING HAS PROMPTED AN</u>				
	<u>ACCELERATED REPLACEMENT,</u>				

DIVISION 7

* AV-5708	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO),	CONSTRUCTION	FY 2016 -	\$500,000	T
GUILFORD	CONSTRUCT TAXIWAY OVER FUTURE I-73 EAST OF SR		FY 2016 -	<u>\$19,500,000</u>	O
PROJ.CATEGORY	2085 (BRYAN BOULEVARD).			\$20,000,000	
STATEWIDE	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 AT</u>				
	<u>REQUEST OF DIVISION OF AVIATION.</u>				

B-4961	SR 3051 (KNOX ROAD), REPLACE BRIDGE 400208 OVER	RIGHT-OF-WAY	FY 2016 -	\$33,000	(HFB)
GUILFORD	LITTLE ALAMANCE CREEK.	UTILITIES	FY 2016 -	\$18,000	(HFB)
PROJ.CATEGORY	<u>ACCELERATE CONSTRUCTION FROM FY 17 TO FY 16</u>	CONSTRUCTION	FY 2016 -	<u>\$950,000</u>	(HFB)
HWY FUNDS	<u>TO OPTIMIZE NEAR-TERM FUNDING CAPACITY.</u>			\$1,001,000	

* I-5711	I-40 / I-85, SR 1007 (MEBANE-OAKS ROAD) IN MEBANE.	RIGHT-OF-WAY	FY 2019 -	\$9,100,000	(NHP)
ALAMANCE	INTERCHANGE IMPROVEMENTS.	UTILITIES	FY 2019 -	\$146,000	(NHP)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	CONSTRUCTION	FY 2021 -	<u>\$8,200,000</u>	(NHP)
STATEWIDE	<u>THRESHOLDS.</u>			\$17,446,000	

* I-5712	I-40 / US 421, SR 1850 (SANDY RIDGE ROAD) IN	RIGHT-OF-WAY	FY 2019 -	\$7,700,000	(NHP)
GUILFORD	GREENSBORO. INTERCHANGE IMPROVEMENTS.	UTILITIES	FY 2019 -	\$200,000	(NHP)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	CONSTRUCTION	FY 2021 -	<u>\$7,800,000</u>	(NHP)
STATEWIDE	<u>THRESHOLDS.</u>			\$15,700,000	

I-5854	I-85, NORTH OF I-73 / US 421 INTERCHANGE TO SR	CONSTRUCTION	FY 2016 -	<u>\$3,391,000</u>	(NHPIM)
GUILFORD	3300 (SOUTH ELM-EUGENE STREET). PAVEMENT			\$3,391,000	
PROJ.CATEGORY	REHABILITATION.				
STATEWIDE	<u>MODIFY DESCRIPTION TO EXTEND NORTHERN</u>				
	<u>TERMINUS TO SR 3300 (SOUTH ELM-EUGENE STREET).</u>				

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 7

I-5855	I-85, SR 3300 (SOUTH ELM-EUGENE STREET) TO 0.2	CONSTRUCTION	FY 2016 -	\$2,766,000	(NHPIM)
GUILFORD	MILE NORTH OF SR 3039 (NELSON FARM ROAD) IN		FY 2017 -	\$2,765,000	(NHPIM)
PROJ.CATEGORY	GREENSBORO. PAVEMENT REHABILITATION.			\$5,531,000	
STATEWIDE	<u>MODIFY DESCRIPTION TO EXTEND SOUTHERN TERMINUS TO SR 3300 (SOUTH ELM-EUGENE STREET).</u>				

* U-5326	SR 1008 (MARKET STREET), SR 1546 (COLLEGE ROAD)	CONSTRUCTION	FY 2016 -	\$7,100,000	(T)
GUILFORD	IN GREENSBORO. INTERSECTION IMPROVEMENTS.			\$7,100,000	
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>				
DIVISION					

U-5842	PISGAH CHURCH ROAD, NORTH ELM STREET IN	RIGHT-OF-WAY	FY 2017 -	\$144,000	(STP)
GUILFORD	GREENSBORO. INTERSECTION IMPROVEMENTS.		FY 2017 -	\$36,000	(L)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 18 TO FY 19 BASED ON PRELIMINARY ASSESSMENT OF UTILITY IMPACTS.</u>	CONSTRUCTION	FY 2019 -	\$600,000	(STP)
DIVISION			FY 2019 -	\$150,000	(L)
				\$930,000	

DIVISION 8

I-5737	I-73, SOUTH OF SR 2269 (VISION DRIVE) TO NORTH OF	CONSTRUCTION	FY 2016 -	\$150,000	(NHPIM)
RANDOLPH	SR 1712 (PINEVIEW STREET). PAVEMENT			\$150,000	
PROJ.CATEGORY	REHABILITATION.				
STATEWIDE	<u>REVISE TERMINI AT DIVISION 8 REQUEST.</u>				

DIVISION 9

* B-5780	NC 47, REPLACE BRIDGE 280017 OVER SWEARING	RIGHT-OF-WAY	FY 2016 -	\$75,000	(HFB)
DAVIDSON	CREEK.	UTILITIES	FY 2016 -	\$150,000	(HFB)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 AT REQUEST OF DIVISION.</u>	CONSTRUCTION	FY 2017 -	\$1,400,000	(HFB)
REGIONAL				\$1,625,000	

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 9

* C-5160	NEWSOME ROAD, CITY OF SALISBURY - CONSTRUCT	RIGHT-OF-WAY	2016	\$101,000	CMAQ
ROWAN	BIKE LANES.		2016	\$25,000	L
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY AND CONSTRUCTION FROM FY</u>	CONSTRUCTION	2016	\$1,205,000	CMAQ
EXEMPT	<u>15 TO FY 16 AT REQUEST OF DIVISION AND</u>		2016	\$301,000	L
	<u>TRANSPORTATION PLANNING BRANCH.</u>			\$1,632,000	

U-4918B
FORSYTH
PROJ.CATEGORY
TRANSITION

VARIOUS, CONSTRUCT MULTIUSE TRAIL FROM THIRD STREET TO RAMS DRIVE; CONSTRUCT PEDESTRIAN AMENITIES AND PROVIDE LANDSCAPING ON FOGLE STREET AND EXTEND ROAWAY FROM EXISTING TERMINUS TO RESEARCH PARKWAY; CONSTRUCT CENTRAL POND GREENWAY; CONSTRUCT PATTERSON ALLEY SIDEWALK.

DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR PLANNING / DESIGN (NOTE: FUNDS PREVIOUSLY AUTHORIZED).

U-5820
ROWAN

NEW ROUTE, SR 2576 (BENDIX DRIVE) TO US 52 (EAST INNES STREET) AT NEWSOME ROAD IN SALISBURY. CONSTRUCT A NEW MULTILANE ROADWAY.

SEPARATE PROJECT INTO PARTS A AND B AS SHOWN BELOW.

* U-5820A	NEW ROUTE, SR 2576 (BENDIX DRIVE) TO SR 1006	RIGHT-OF-WAY	FY 2017 -	\$1,015,000	(T)
ROWAN	(FAITH ROAD) IN SALISBURY.	CONSTRUCTION	FY 2018 -	\$850,000	(T)
PROJ.CATEGORY	<u>CREATE NEW PROJECT BREAK AND ACCELERATE</u>			\$1,865,000	
DIVISION	<u>RIGHT OF WAY FROM FY 20 TO FY 17 AND</u>				
	<u>CONSTRUCTION FROM FY 21 TO FY 18 AT REQUEST</u>				
	<u>OF DIVISION.</u>				

U-5820B	NEW ROUTE, SR 1006 (FAITH ROAD) TO US 52 (EAST	CONSTRUCTION	FY 2021 -	\$615,000	(T)
ROWAN	INNES STREET) IN SALISBURY.			\$615,000	
PROJ.CATEGORY	<u>CREATE NEW PROJECT BREAK: AMOUNT SHOWN</u>				
DIVISION	<u>REFLECTS REIMBURSEMENT TO CITY OF SALISBURY</u>				
	<u>FOR LOCALLY-ADMINISTERED PROJECT.</u>				

DIVISION 10

U-5766
MECKLENBURG
PROJ.CATEGORY
REGIONAL

NC 160, SOUTH CAROLINA LINE TO SR 1116 (SHOPTON ROAD). WIDEN TO MULTI-LANES.

CHANGE SOUTHERN PROJECT LIMITS FROM NC 49 (SOUTH TRYON ROAD) TO THE SOUTH CAROLINA LINE TO PROVIDE A MORE LOGICAL TERMINUS.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 10

U-5766A	NC 160, SOUTH CAROLINA LINE TO NC 49 (SOUTH TRYON ROAD).	RIGHT-OF-WAY	POST YR-	\$500,000	(T)
MECKLENBURG		UTILITIES	POST YR-	\$2,500,000	(T)
PROJ.CATEGORY	<u>MODIFY PROJECT U-5766 TO ADD SEGMENT A AS AN UNFUNDED PROJECT.</u>	CONSTRUCTION	POST YR-	<u>\$21,700,000</u>	(T)
REGIONAL				\$24,700,000	

U-5766B	NC 160, NC 49 (SOUTH TRYON ROAD) TO SR 1116 (SHOPTON ROAD).	RIGHT-OF-WAY	FY 2020 -	\$3,100,000	(T)
MECKLENBURG		UTILITIES	FY 2020 -	\$4,600,000	(T)
PROJ.CATEGORY	<u>RENAME PROJECT U-5766 TO U-5766B DUE TO EXPANSION OF PROJECT SCOPE.</u>	CONSTRUCTION	FY 2022 -	\$15,650,000	(T)
REGIONAL			FY 2023 -	<u>\$15,650,000</u>	(T)
				\$39,000,000	

DIVISION 12

C-5200	MOORESVILLE, NC 115 AND NC 150 IN MOORESVILLE. CONSTRUCT SOUTHBOUND NC 115 RIGHT TURN LANE AT NC 150 AND WESTBOUND NC 150 SHARED THROUGH-RIGHT LANE AT NC 115.	RIGHT-OF-WAY	FY 2016 -	\$92,000	(CMAQ)
IREDELL			FY 2016 -	\$29,000	(L)
PROJ.CATEGORY	<u>REVISE FUNDING AMOUNTS BASED ON REQUEST FROM MPO.</u>	CONSTRUCTION	FY 2017 -	\$1,234,000	(CMAQ)
EXEMPT			FY 2017 -	<u>\$390,000</u>	(L)
				\$1,745,000	

C-5529	MOORESVILLE, INTERSECTION OF NC 115 AND FAITH ROAD-CAMPUS LANE IN MOORESVILLE. REALIGN FAITH ROAD TO TIE INTO EXISTING NC 115/CAMPUS LANE INTERSECTION AND CONSTRUCT DEDICATED TURN LANES ON FAITH ROAD AND CAMPUS LANE APPROACHES TO THE INTERSECTION.	RIGHT-OF-WAY	FY 2016 -	\$82,000	(CMAQ)
IREDELL			FY 2016 -	\$27,000	(L)
PROJ.CATEGORY	<u>REVISE FUNDING AMOUNTS BASED ON REQUEST FROM MPO.</u>	CONSTRUCTION	FY 2016 -	\$996,000	(CMAQ)
EXEMPT			FY 2016 -	<u>\$332,000</u>	(L)
				\$1,437,000	

C-5531	MOORESVILLE, KISTLER FARM-BRIARCLIFF-BELLINGHAM-WHITE OAK SIDEWALK NETWORK IN MOORESVILLE. CONSTRUCT SIDEWALKS IN VARIOUS LOCATIONS.	CONSTRUCTION	FY 2016 -	\$802,000	(CMAQ)
IREDELL			FY 2016 -	<u>\$201,000</u>	(L)
PROJ.CATEGORY	<u>REVISE FUNDING AMOUNTS BASED ON REQUEST FROM MPO.</u>			\$1,003,000	
EXEMPT					

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 12

C-5701	MOORESVILLE, INTERSECTION OF NC 801 AND NC	RIGHT-OF-WAY	FY 2016 -	\$111,000	(CMAQ)
IREDELL	150. CONSTRUCT INTERSECTION IMPROVEMENTS.		FY 2016 -	\$29,000	(L)
PROJ.CATEGORY	<u>ADD BONUS ALLOCATION FUNDING THAT WAS</u>	CONSTRUCTION	FY 2016 -	\$959,000	(CMAQ)
EXEMPT	<u>PREVIOUSLY ASSIGNED TO PROJECT U-4909.</u>		FY 2016 -	\$650,000	(BA)
			FY 2016 -	\$255,000	(L)
				\$2,004,000	

DIVISION 13

U-4715B	CITYWIDE, SIGNAL IMPROVEMENTS	RIGHT-OF-WAY	FY 2017 -	\$74,000	(STP)
BUNCOMBE	<u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17.</u>		FY 2017 -	\$26,000	(S(M))
PROJ.CATEGORY	<u>THE TRAFFIC ENGINEERING BRANCH IS ABLE TO</u>	UTILITIES	FY 2017 -	\$740,000	(STP)
DIVISION	<u>DELIVER THE PROJECT ON AN ADVANCED SCHEDULE.</u>		FY 2017 -	\$260,000	(S(M))
		CONSTRUCTION	FY 2017 -	\$8,954,000	(STP)
			FY 2017 -	\$3,146,000	(S(M))
				\$13,200,000	

DIVISION 14

* C-5151	EASTERN BAND OF CHEROKEE INDIANS (EBCI), GREAT	CONSTRUCTION	FY 2016 -	\$177,000	(CMAQ)
HAYWOOD	SMOKIES NATIONAL PARK. CONSTRUCT A MIXED-USE		FY 2016 -	\$65,000	(L)
SWAIN	PATHWAY.			\$242,000	
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO</u>				
EXEMPT	<u>ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</u>				
	<u>ACQUISITION.</u>				

* U-5105	HENDERSONVILLE, NC 225/SR 1164 (ERKWOOD	RIGHT-OF-WAY	FY 2016 -	\$200,000	(STP)
HENDERSON	DRIVE)/SR 1779(SHEPHERD STREET) IN	CONSTRUCTION	FY 2018 -	\$2,150,000	(STP)
PROJ.CATEGORY	HENDERSONVILLE. IMPROVE INTERSECTION.			\$2,350,000	
TRANSITION	<u>DELAY RIGHT OF WAY FROM FY 15 TO FY 16 AND</u>				
	<u>CONSTRUCTION FROM FY 16 TO FY 18 TO ALLOW</u>				
	<u>ADDITIONAL TIME FOR RIGHT-OF-WAY.</u>				

* U-5840	SR 1545 (OLD AIRPORT ROAD), US 25 TO MILLS GAP	RIGHT-OF-WAY	FY 2017 -	\$100,000	(T)
HENDERSON	ROAD. WIDEN ROADWAY.	CONSTRUCTION	FY 2019 -	\$2,200,000	(T)
PROJ.CATEGORY	<u>ACCELERATE RIGHT OF WAY FROM FY 19 TO FY 17</u>			\$2,300,000	
DIVISION	<u>AND CONSTRUCTION FROM FY 21 TO FY 19, DIVISION</u>				
	<u>14 IS ABLE TO DELIVER THE PROJECT ON AN</u>				
	<u>ADVANCED SCHEDULE.</u>				

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 14

* U-5866	NEW ROUTE, US 129 (RODNEY ORR BYPASS) TO	RIGHT-OF-WAY	FY 2017 -	\$150,000	(T)
GRAHAM	ROBINSVILLE HIGH SCHOOL AND MIDDLE SCHOOL.	UTILITIES	FY 2017 -	\$20,000	(T)
PROJ.CATEGORY	CONSTRUCT NEW ROUTE INCLUDING BRIDGE OVER	CONSTRUCTION	FY 2019 -	<u>\$3,800,000</u>	(T)
DIVISION	CHEOAH RIVER.			\$3,970,000	

ACCELERATE RIGHT OF WAY FROM FY 19 TO FY 17
AND CONSTRUCTION FROM FY 21 TO FY 19, DIVISION
14 IS ABLE TO DELIVER THE PROJECT ON AN
ADVANCED SCHEDULE.

STIP DELETIONS

DIVISION 4

* I-5742	I-95, 0.5 MILES NORTH OF I-795 (MILE POST 119.8) TO	CONSTRUCTION	FY 2017 -	<u>\$2,900,000</u>	(NHPIM)
WILSON	0.7 MILES NORTH OF SR 1309 (BLOOMERY ROAD)			\$2,900,000	
PROJ.CATEGORY	(MILE POST 123.7). PAVEMENT REHABILITATION.				
STATEWIDE	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT I-5727.</u>				

DIVISION 5

B-5679	SR 1326 (KELLY ROAD), REPLACE BRIDGE 900070	RIGHT-OF-WAY	FY 2021 -	\$130,000	(HFB)
VANCE	OVER FLAT CREEK.	CONSTRUCTION	FY 2022 -	<u>\$1,300,000</u>	(HFB)
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER 17BP</u>			\$1,430,000	
HWY FUNDS	<u>PROGRAM.</u>				

DIVISION 10

* U-5803	INTERSECTION OF SR 2940 (EASTWAY DRIVE) AND	RIGHT-OF-WAY	FY 2019 -	\$550,000	(T)
MECKLENBURG	SHAMROCK DRIVE. REALIGN SR 2940 AND	CONSTRUCTION	FY 2021 -	<u>\$2,250,000</u>	(T)
PROJ.CATEGORY	RECONFIGURE 5-LEG SKEWED INTERSECTION TO			\$2,800,000	
DIVISION	THREE 2-LEG INTERSECTIONS.				

DELETE AT THE REQUEST OF THE CITY OF
CHARLOTTE. CITY PLANS TO RESCOPE PROJECT
AND RE-SUBMIT FOR PRIORITIZATION.

DIVISION 12

* C-5201	NC 115 IN MOORESVILLE, MECKLENBURG COUNTY	CONSTRUCTION	FY 2016 -	\$1,800,000	(CMAQ)
IREDELL	LINE TO NORMAN AVENUE. CONSTRUCT FOUR FOOT		FY 2016 -	<u>\$450,000</u>	(L)
PROJ.CATEGORY	BIKE LANES ALONG BOTH SIDES.			\$2,250,000	
EXEMPT	<u>DELETE AT THE REQUEST OF MPO.</u>				

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP DELETIONS

DIVISION 12

* C-5528	INTERSECTION OF NC 150 AND TALBERT ROAD IN	CONSTRUCTION	FY 2016 -	\$280,000	(CMAQ)
IREDELL	MOORESVILLE. CONSTRUCT RIGHT TURN LANE ON		FY 2016 -	<u>\$70,000</u>	(L)
	SOUTHBOUND APPROACH.			\$350,000	
	<u>DELETE AT THE REQUEST OF MPO.</u>				

* U-5909	MOORESVILLE, NC 801 AND NC 150. INTERSECTION	CONSTRUCTION	FY 2017 -	<u>\$650,000</u>	(BA)
IREDELL	IMPROVEMENTS.			\$650,000	
PROJ.CATEGORY	<u>DELETE PROJECT. FUNDING MOVED TO PROJECT C-</u>				
EXEMPT	<u>5701, THAT HAS THE SAME SCOPE OF WORK.</u>				

DIVISION 14

* R-5715	NC 107 (E MAIN ST), US 23 BUS. (W MAIN ST), US 23	UTILITIES	FY 2019 -	\$700,000	(T)
JACKSON	BUS (ASHEVILLE HWY) FROM SR 1449 (COPE CREEK	RIGHT-OF-WAY	FY 2019 -	\$5,800,000	(T)
PROJ.CATEGORY	ROAD) TO SR 1783 (COUNCIL CIRCLE). UPGRADE	CONSTRUCTION	FY 2021 -	<u>\$5,500,000</u>	(T)
REGIONAL	ROADWAY.			\$12,000,000	
	<u>DELETE PROJECT - WORK TO BE ACCOMPLISHED IN</u>				
	<u>R-5600.</u>				

* INDICATES FEDERAL AMENDMENT

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

ADDITIONS to the Transit 2016-2025 STIP

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)
TG-5262	Goldsboro Wayne Transportation Authority	Security Cameras and related equipment for Transfer Center	FUZ	5307	12						
			Local	L	3						

Item I-1B, 1 Project , Total Federal/State funds \$12,000



BOT Working Lunch, November 4, 2015

Product Evaluation Program Awareness

Jimmy Travis, PE & Jessica Kuse, PE



Legislation - G.S. 136-18.04

PRODUCT EVALUATION PROGRAM/INCREASE INNOVATION

- **SECTION 29.11.(a) Plan.** – The Board of Transportation shall develop a plan to bring greater visibility and public awareness to the Product Evaluation Program, a unit of the Department of Transportation that reviews new and innovative technologies and products. As part of its plan, the Board shall add to its monthly public meeting an agenda item that highlights two new technologies, one technology that is under review by the Product Evaluation Program and one technology that was recently approved by the Product Evaluation Program.
- **SECTION 29.11.(b) Report and Implementation.** – The plan required under subsection (a) of this section shall be submitted to the chairs of the Joint Legislative Transportation Oversight Committee no later than December 1, 2015. The Board shall implement the plan required under subsection (a) of this section by February 15, 2016.



Legislation - G.S. 136-18.04

- **SECTION 29.11.(c)** Chapter 136 of the General Statutes is amended by adding a new section to read:

"§ 136-18.04. Product Evaluation Program.

The Product Evaluation Program, or any successor program operated by the Department of Transportation to review and approve or disapprove new and innovative technologies and products for use by the Department, shall complete its evaluation of a technology or product within one year from the date that the technology or product was submitted for evaluation. Nothing in this section shall be construed as requiring the Product Evaluation Program or any successor program to review all technologies and products submitted to the Product Evaluation Program or any successor program."

- **SECTION 29.11.(d)** Subsection (c) of this section becomes effective January 1, 2016, and applies to technologies and products submitted for review on or after that date. The remainder of this section is effective when this act becomes law.



Brainstormed Ideas and Feedback

- Marketing and Communications
 - ✓ *Provide Greater Visibility & Public Awareness*
 - ✓ *Utilize Marketing & Communication Efforts*
 - ✓ *Share Innovations Being Used by NCDOT/Others*
- Information Technology
 - ✓ *Improved Tracking of Technologies & Products*
 - ✓ *Automate Aspects of Product Evaluation Process*
- Product and Technology Implementation
 - ✓ *Review of Current Processes & Workflow*
 - ✓ *PEP Expanded to Address Innovative Technology*
- Request for Information
- Research Projects
- Outreach to other state DOTs regarding their Product Evaluation Process



Draft Plan Overview

Goal, Vision and Background

- ✓ *Increase the use of innovation technologies and products by bringing greater visibility and public awareness to NCDOT's Product Evaluation Program*
- ✓ *Global leader in providing innovative transportation solutions*
- ✓ *Shift from a passive business model to an active pursuit of new technologies and products*
- ✓ *Comprehensive product evaluation program will now be enhanced*



Draft Plan Overview

Strategy

✓ Marketing and Communications

- Expand the mass appeal of new innovation technologies and products while marketing for innovative solutions NCDOT needs
- Continuous RFI

✓ Information Technology (IT)

- Improve our internal efficiencies and the evaluation process

✓ Product and Technology Implementation

- Improve our success rate of implementation
- Research Projects
- Outreach to other state DOTs regarding their Product Evaluation Process



Draft Plan Overview

Roles, Milestones and Metrics

- ✓ *Innovative Technology and Product Oversight Committee*
 - Set Milestones and Metrics
 - Implement strategies on behalf of the Board of Transportation



Proposed Timeline

October 7 th	Present at BOT Working Lunch
October 7 th - 23 rd	Board's Planning Period 1
 November 4 th	Review Draft Plan
November 4 th -23 rd	Board's Planning Period 2
December 3 rd	Board Action Item -Product Evaluation Program Awareness Plan
December 15 th	Submit Board's Product Evaluation Program Awareness Plan to the JLTOC



North Carolina Board of Transportation

NCDOT's Innovative Technologies and Products Awareness Plan

Goal: Increase the use of innovative technologies and products by bringing greater visibility and public awareness to NCDOT's Product Evaluation Program.

Vision

The North Carolina Department of Transportation's (NCDOT's) vision is to be a global leader in providing innovative transportation solutions. One way NCDOT is striving to reach this vision is by rethinking our product-related websites and product application processes with the goal of creating one portal to assist product vendors, distributors, producers and suppliers with the information needed to enter their product information for evaluation and learn about the opportunities to do business with NCDOT. A new focus will shift the current passive business model to a more active pursuit of new technologies and products to increase the awareness of the program, improve efficiency in implementation and increase innovation in our transportation infrastructure. An Innovative Technology and Product Oversight Committee will refine and implement this comprehensive plan to bring greater visibility and public awareness to the Product Evaluation Program. A monthly update of technologies and products will be given to the Board of Transportation.

Background

NCDOT coordinates the review of new and innovative products through the Product Evaluation Program. This program is managed by the Value Management Office of the Transportation Program Management Unit, Technical Services Division.

The Product Evaluation Program provides a comprehensive evaluation of products that vendors and distributors propose to use on NCDOT projects and maintains an Approved Products List. NCDOT personnel, municipalities, utility owners, contractors and other external entities rely on the Approved Products List as assurance that a product has been thoroughly evaluated for acceptable use within transportation infrastructure. In addition, NCDOT has a Producer Supplier Program through the Materials and Tests Unit in the Division of Highways for qualification of suppliers and producers. Lastly, specialized technical units maintain legacy qualified product lists outside of the current Product Evaluation Program.

NCDOT's evaluation efforts are conducted through the use of Technical Work Groups. A Technical Work Group consists of subject matter experts either within a specialized unit of NCDOT or as part of a cross-functional team depending on the product or process being evaluated. NCDOT's current Technical Work Groups are as follows (the asterisk (*) indicates a unit-maintained list in lieu of the Approved Products List): ADA Detectable Warnings, Anti-

Graffiti, Asphalt Pavement Related, *Brand Certification, Coatings, Concrete Pavement Related, Drainage, Erosion Control, Field Operations, *Geotechnical Engineering, Geotextiles, Guardrail, High Friction Surface Treatments, Innovative Roadway Lighting, *Intelligent Transportation Systems, Materials and Tests Structural, Noise Walls and Retaining Walls, Paint, Pavement Interlayers, Physical Testing Laboratory, Producer/Supplier Program, *Signing and Delineation, Structural Components, Temporary Traffic Control, Temporary and Permanent Crash Cushion, Utilities and *Warm Mix Asphalt. In addition to these programs, several products are evaluated on job sites individually in concurrence with construction contracts and not included in the centralized product evaluation process. NCDOT also examines information related to new products submitted under the National Transportation Product Evaluation Program (NTPEP) as part of the product evaluation process.

Definitions

An imperative aspect of being able to identify a product versus an innovative technology is to have a Departmental definition of each. For this purpose, NCDOT will use the following definitions:

Technology is an application of knowledge used to improve the functionality of the given product or process.

Product is a tangible item which is manufactured or produced for sale and distribution to meet the need of a consumer.

Strategy

Further work is required to continue to refine a comprehensive Departmental strategy to address technology innovation and product integration in our transportation infrastructure. NCDOT will initiate a three-pronged approach to bring more innovative technologies and products to North Carolina. The three focus areas are:

1. Marketing and Communications (expanding the mass appeal of new innovation, technologies and products while marketing for innovative solutions NCDOT needs)

To have greater visibility and public awareness, enhanced marketing and communication efforts are critical. Largely, to date the program has been a highly efficient process but the process is passive. The Department reacts to products as they are submitted. The new approach will include an active solicitation for technologies and products that address Department needs on an ongoing basis through a revised and more readily accessible web portal. This could be viewed as a continuous Request for Information process. The Product Evaluation Program Engineer, NCDOT Communications and other key personnel will work together to reach out and market to vendors and product suppliers in an effort to attract

more attention to innovation in North Carolina. These efforts may include vendor events, online communications or other forms of communications to share innovations available to NCDOT. Sharing innovations across NCDOT will be a positive way to incorporate technologies and products into transportation projects and will encourage vendors to provide information on additional technologies and products not currently used by NCDOT. Specific efforts will included, but will not be limited to, an increased web presence, highlighting approved technologies and products through various internal and external marketing methods and the development of media ready success stories.

2. Information Technology (improving NCDOT’s internal efficiencies and the evaluation process)

Improved tracking of technologies and products will provide better data and information sharing capabilities both internally and externally. The Product Evaluation Program Engineer will work with Information Technology and other key personnel to develop a more robust Information Technology system which will track, promote and automate aspects of the product evaluation process. This improvement will allow a vendor to go to one webpage at NCDOT for all product needs. Then, based on criteria developed with a team of units reviewing products and the Technical Work Groups, this system will automatically send an acknowledgement of receipt to the vendor and send the product evaluation information to the appropriate Technical Work Group for further action. This initiative will provide one data source for reporting on products being reviewed by NCDOT while allowing the individual units and Technical Work Groups to follow current processes to review, test and approve products. Ultimately, this Information Technology system may tie to other NCDOT systems to assist in tracking and reporting the use of approved products.

3. Product and Technology Implementation (improving NCDOT’s success rate of implementation and use)

NCDOT will implement processes that will provide a consistent methodology to assist in the implementation of technologies and products into North Carolina’s infrastructure. This will include a review of the current processes and work flows in the existing program and will likely result in the development and implementation of new processes within NCDOT. For example, the current Product Evaluation Program will be expanded to specifically address innovative technologies. In addition, Research Needs Statements and research projects with universities will be developed as one way of finding and implementing technologies and products. NCDOT will also reach out to other state DOTs to learn more about their product evaluation program and processes. Lastly, Requests for Information (RFI) will be published to determine what technologies and products the transportation industry has available to help NCDOT increase the use of technology. If a submittal is identified as an

innovative technology, it will be labelled and assigned to an innovative technology liaison. This liaison will be part of the review process and work with NCDOT field personnel if this innovative technology is accepted and granted a field test opportunity on a NCDOT project. Another important responsibility of the liaison will be to gather feedback from the field trials to share with other project managers across the state.

Innovative ideas also come from internal sources, and processes will be reviewed and developed to capture these ideas so they can also be promoted statewide.

Roles and Reports

There will be an ongoing effort to adjust procedures as technology changes. Therefore, to ensure these focus areas are continuously updated, processes remain current and innovative technologies and products are promoted across the state, NCDOT will form an Innovative Technology and Product Oversight Committee. This committee will meet on a regular basis and be comprised of managers with direction given from the Technical Services Division. The primary purpose of this committee will be to foster the implementation of technologies and products statewide. The committee may also approve ongoing implementation, marketing, communications and Information Technology strategies to encourage a greater visibility and public awareness to product evaluation at NCDOT. Members of this committee could include employees from the following units:

- Value Management (Facilitator)
- Asset Management
- Division of Highways
- Field Support
- Transportation Mobility and Safety
- Transit
- Division of Motor Vehicles
- Communications
- Information Technology
- Purchasing
- Research and Development
- Contract Standards & Development
- Design Build
- Priority Projects
- Federal Highway Administration
- Associated General Contractors Liaison
- Other ad hoc members as deemed necessary

Milestones and Metrics

The Innovative Technology and Product Oversight Committee will develop milestones to implement the strategies outlined in this document.

It is intended that a Product Evaluation Program review be completed to identify risks and opportunities for the Product Evaluation Program.

A communication and marketing plan will be developed to increase the awareness of the program, highlight the use and encourage the submission of innovative technologies and products.

Application enhancements will be made to increase program efficiency. These may include website development to create an open and accessible entry to new products, companies, and technologies. Enhancements will also be made to the product evaluation application, tracking and reporting capabilities.

Formal success metrics will be established by the Innovative Technology and Product Oversight Committee with direction from the Technical Services Division and could include metrics such as:

- Percentage increase of product applications.
- Percentage increase in new producer / supplier applications.
- Percentage of acknowledgements sent for product applications within 10 business days of receipt of the application.
- Percentage of product evaluation responses within 60 days of receipt of application.
- Percentage of product evaluation responses within one year of receipt of application.



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS COMMITTEE MEETING MINUTES

DATE: 10/07/2015 **TIME:** 2:00PM **LOCATION:** Room 150

MEETING CALLED BY	Terry Hutchens, Chair
BOARD ATTENDEES	Mr. Overholt (Vice Chair), Andrew Perkins, Jim Crawford, Malcom K. Fearing, Gus Tulloss, Jeff Sheehan, Tracy F. Dodson, James R. Palermo, Jack Debnam

AGENDA TOPICS

1. APPROVAL OF MAY MEETING MINUTES - CHAIR HUTCHENS	
DISCUSSION SUMMARY	Mr. Blount moved to approve the August 2015 ED&IR Committee Meeting minutes, Mr. Overholt seconded the motion and the minutes were approved unanimously.
ACTIONS TAKEN	Approval of August Meeting Minutes

2. ECONOMIC DEVELOPMENT FUNDS PER COUNTY TIER STATUS – CALVIN LEGGETT	
DISCUSSION SUMMARY	Mr. Calvin Leggett handed out 2 charts to illustrate the tabular information provided in advance of the meeting. There were several questions raised about the amount of funding per tier, specifically Tier 1.
ACTIONS TAKEN	The summary was received and it was requested that updates be provided as appropriate.

3. ECONOMIC DEVELOPMENT FUNDS COMPARATIVE ANALYSIS – BURT TASAICO	
DISCUSSION SUMMARY	Mr. Tasaico made a presentation of how NCDOT Economic Development Fund compare to other States. There were several questions raised during the presentation to clarify trends resulting from the STI legislations and the recently approved budget. There were several questions raised about whom is the NCDOT point of contact, when does NCDOT get involved and several other questions.
ACTIONS TAKEN	Through the Committee discussion staff was asked to follow of several items as listed below: One NC Fund New NC Public Private Partnership Briefing Development of Economic Development Roadmap: Who is NCDOT Economic Development Point of Contact? Single Point? Who and How is NCDOT letting folks know of ED funding availability?



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS COMMITTEE MEETING MINUTES

	<p style="text-align: center;">Listing of active ED projects – Quarterly updates NC Ports Briefing – wood pellets Catalog listing of NCDOT surplus property</p>
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4. MEETING ADJOURNED – CHAIR HUTCHENS	
DISCUSSION SUMMARY	Meeting adjourned at 2:50 p.m.
ACTIONS TAKEN	



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS COMMITTEE AGENDA

BOARD OF TRANSPORTATION NOVEMBER 4, 2015

TIME: 2:00PM

LOCATION: Room 150

TOPIC	PRESENTER	TIME
Welcome	Terry Hutchens, Chair	2:00-2:05
Secretary of Military and Veteran Affairs	Secretary Cornell Wilson	2:05-2:30
Chairman of the NC Military Affairs Commission	BG Bud Martin (Ret.)	2:30-2:55
Discussion & Adjourn	All	2:55-3:00



Transportation

FUNDING & APPROPRIATION STRATEGIES COMMITTEE MEETING MINUTES

DATE: 10/7/2015 TIME: 2:04 LOCATION: EIC

MEETING CALLED BY	Chairwoman Cheryl McQueary
BOARD ATTENDEES	Chairwoman Cheryl McQueary, Vice Chairman Jim Crawford, Mr. John Lennon, Mr. Malcolm Fearing, Mr. Patrick Molamphy, Mr. Jack Debnam, Mr. David Tyeryar (staff)

AGENDA TOPICS

1. MEETING CALL TO ORDER AND APPROVAL OF SEPTEMBER MINUTES	
DISCUSSION SUMMARY	Moved by Mr. Brown, seconded by Mr. Crawford
ACTIONS TAKEN	Approved unanimously

2. IMPROVING EFFICIENCY AND CUSTOMER SERVICE ACROSS THE DEPARTMENT – ANN DISHONG, MIKE HOLDER	
DISCUSSION SUMMARY	Presentation: Lean Six Sigma problem-solving approach to improving efficiency. Completed Project: Project Delivery of STIP Projects, New Location and Widening; Goals: Reduce cycle time by 25%; Improve schedule stability; Establish scope appropriately; Increase efficiency while decreasing impact. Project in Progress: Road Maintenance: Goals: Streamline practices & employ statewide considering differences in system, region, current condition & resource availability; Standardize tracking/reporting of results; Improve efficiency of highway asset maintenance; Address legislative mandates. Project scopes: Define top work functions; Measure costs by surveying all 100 counties; Analyze data; Improve efficiency; Control processes. Currently in analyze stage. GA directed to not exceed 10% overage. Project in Progress: Division Managed Projects: Desired result is a modifiable but predictable delivery process. Project Scopes: Define: Identify classes (Interstate, Rural, Urban, Safety); Measure: determine cycle time by class; Analyze current performance; Improve and Control processes.
ACTIONS TAKEN	No action taken.

3. BUDGET HIGHLIGHTS – DAVID TYERYAR	
DISCUSSION SUMMARY	Budget highlights: Employee bonus, IT to state-level agency, elimination of 50 positions, decrease construction funds, increase maintenance funds, Highway fund increase of \$205.71M, provide \$35M to NC Ports Authority. DOT Report Program to survey citizens, DOH review, Legislative oversight: reclassify funding sources, reallocate funds; Efficiency: establish baseline pricing, streamline all stages; Pavement Preservation & Contract Resurfacing: spend by 30 June; Secondary Roads Study; Unpaved Road Improvement Pilot Program; Powell Bill set amount; Positions abolished due to legislation; Revenue Sources; Funding
ACTIONS TAKEN	No action taken.

Adjourned 3:09



FUNDING & APPROPRIATION STRATEGIES COMMITTEE (FAST) AGENDA

BOARD OF TRANSPORTATION NOVEMBER 4, 2015

TIME: 2:00 – 3:00 p.m.

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order - Approval of September minutes	Cheryl McQueary, Chair	5 minutes
Budget Review	David Tyeryar	10 minutes
Safety/Risk Management	Scott Mabry	10 minutes
Emergency Response	Emily McGraw	15 minutes
Incident Response	Meredith McDiarmid	15 minutes
Comments and Wrap-up	Cheryl McQueary, Chair	5 minutes



Funding & Appropriations Strategies Committee –
November 4, 2015

Emergency Response

Emily McGraw, PE



NCDOT Emergency Response

Three Categories:

- Declared Events
- Non-Declared Events
- Snow and Ice

Declared Events

- Large Disasters i.e. – Hurricanes or Tornadoes
- Massive Infrastructure Damage
- Large Amounts of Debris
- Federal Reimbursement:
 - FEMA Public Assistance Program
 - FHWA Emergency Relief Program

Recent Federally Declared Events

- Hurricane Frances – September 2004
- Hurricane Ivan – September 2004
- I-40 Rockslide – October 2009
- Winter Storm – December 2009
- Tornadoes – April 2011
- Hurricane Irene – August 2011
- Hurricane Sandy – October 2012
- Winter Storm – March 2014

Hurricanes Frances and Ivan



I-40 Rockslide



Winter Ice Storms 2009



Tornado Damage 2011

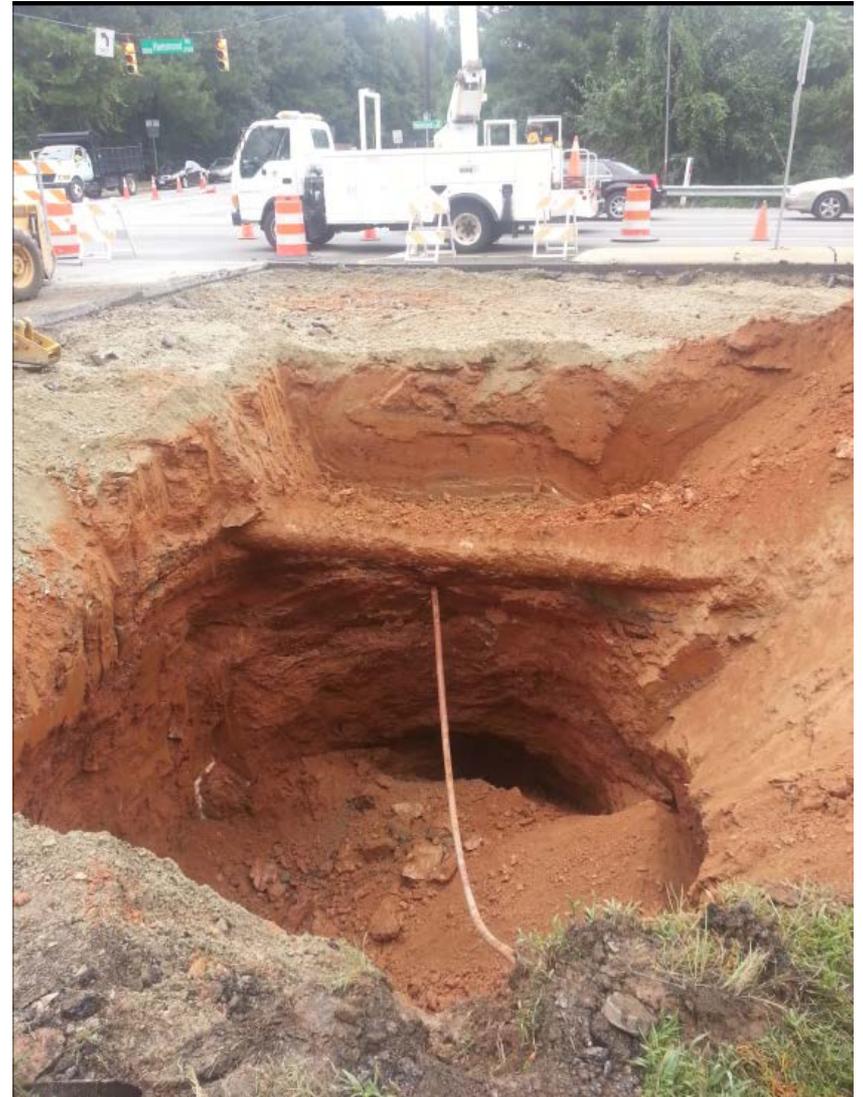


Hurricane Irene



Non-Declared Events

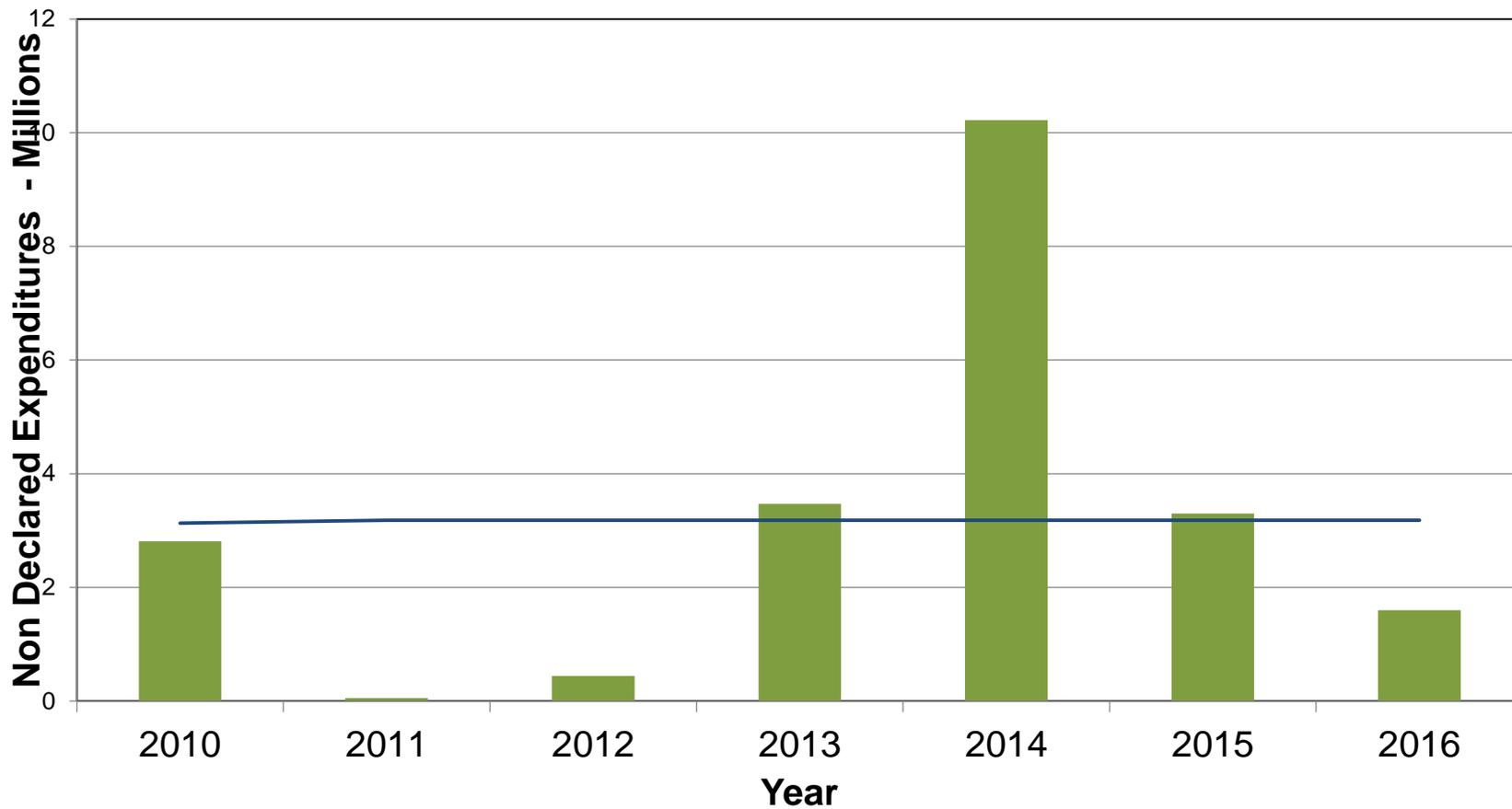
- Smaller events i.e. – mudslides or pipe washouts
- Do not qualify for federal assistance
- State funds are used



Non-Declared Events – FY 2015



Non-Declared Expenditures

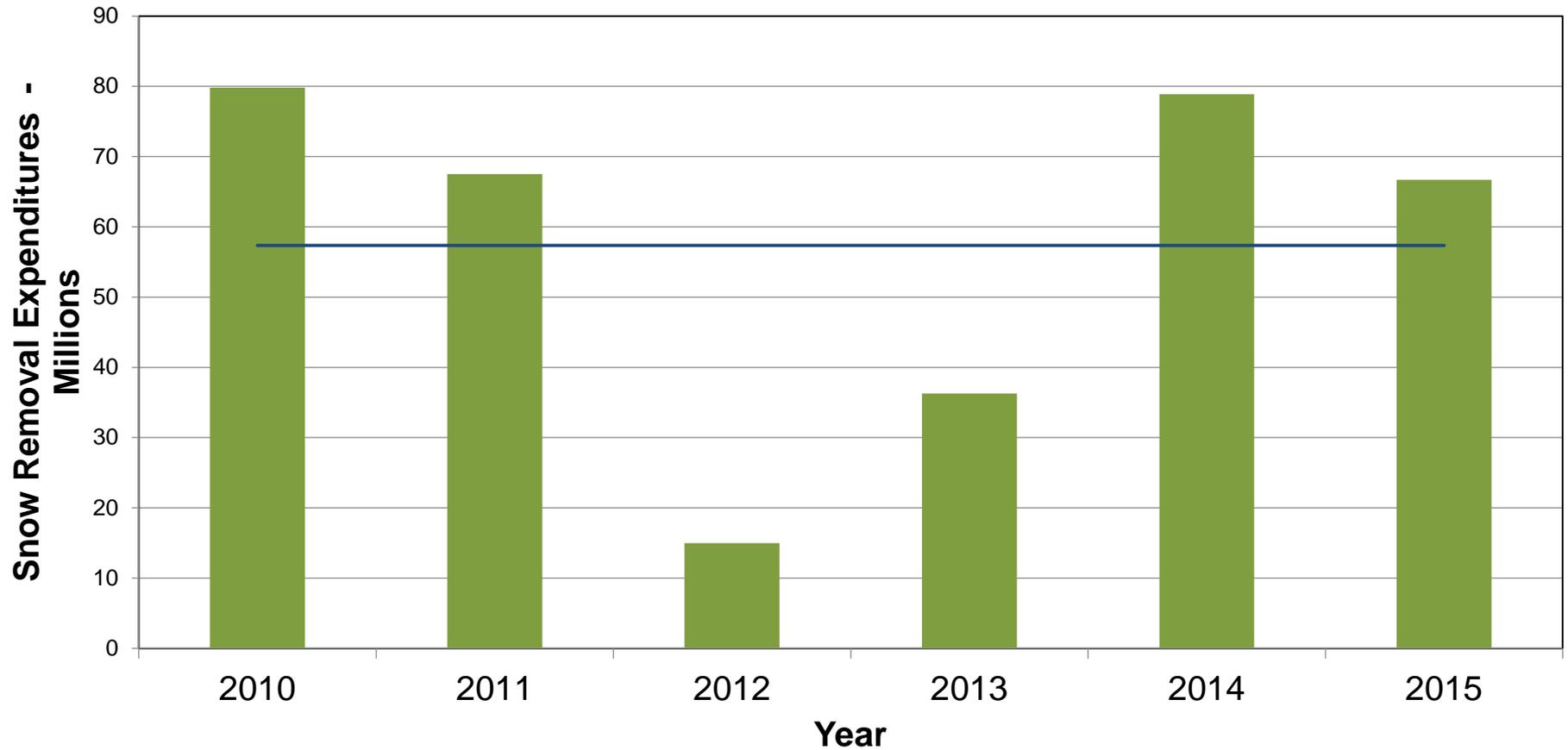


Snow and Ice Events

- Typical winter events
- Requires roads to be cleared
- May involve snow, fallen limbs and power lines



Annual Snow Removal Expenditures



Any Questions?





Funding and Appropriations Strategy (FAST) Committee

Incident Response

Meredith McDiarmid

Transportation Mobility and Safety Division



What is Incident Response?

Mobility and Safety for NC Motorists

- **Keeping the Roads Open**
 - Quick Clearance
 - Scene Management
- **Informing Motorists in Advance**
 - Reduce Secondary Crashes
 - Informed Decisions
- **Proactively Mitigating Potential Hazards**
 - Disabled/Abandoned Vehicles
 - Debris



How Does NCDOT Respond to Incidents?

Incident Management

- **Traffic Control**
 - Incident Motorists Assistance Patrol (IMAP)
 - Maintenance for Long Term Incidents and in Rural Areas
- **Relationships**
 - Fire
 - Law Enforcement
 - Emergency Medical Services
 - Towing and Recovery



How Does NCDOT Respond to Incidents?

Traveler Information

- **Transportation Management Centers (TMC)**
 - Statewide Transportation Operations Center (STOC)
 - Metrolina TMC
- **Traveler Information Management System (TIMS)**
- **Overhead Message Boards**



How Does NCDOT Respond to Incidents?

• Detection

- Cameras
- Speed Detection
- Law Enforcement CAD Feeds
- IMAP Patrols
- Vehicle Probe Project (VPP) Suite
- VIPER Communication



How Does NCDOT Respond to Incidents?

• Initiatives

- Heavy Towing Program
- IMAP and TMC Training
- Team Meetings
- Responder Safety Training





Funding and Appropriations Strategy (FAST) Committee

Incident Response

Meredith McDiarmid

Transportation Mobility and Safety Division





FAST Committee November 4, 2015

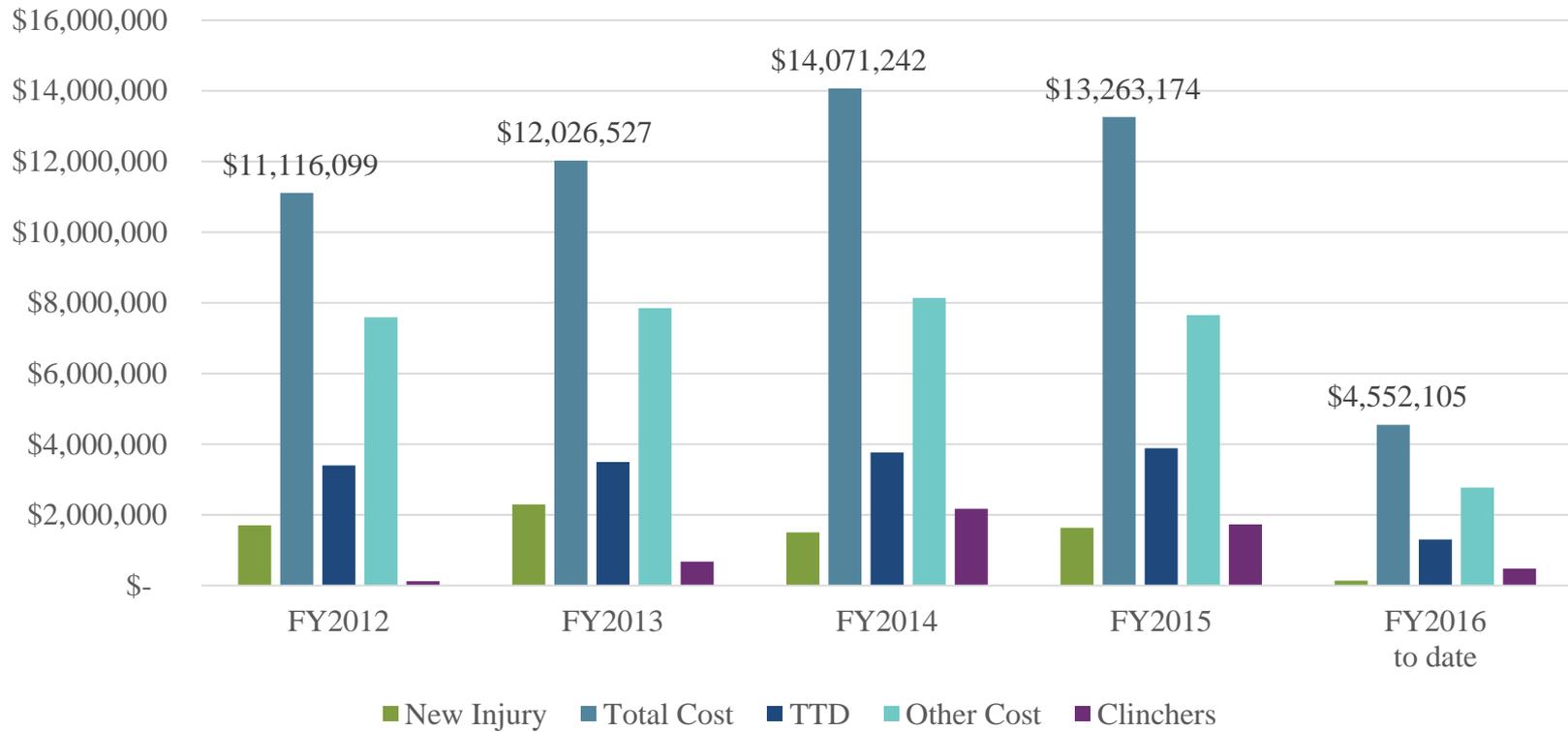
Safety & Risk Management

Scott Mabry



NCDOT Direct Workers Compensation Costs

NCDOT Direct WC Costs as of 10/2015



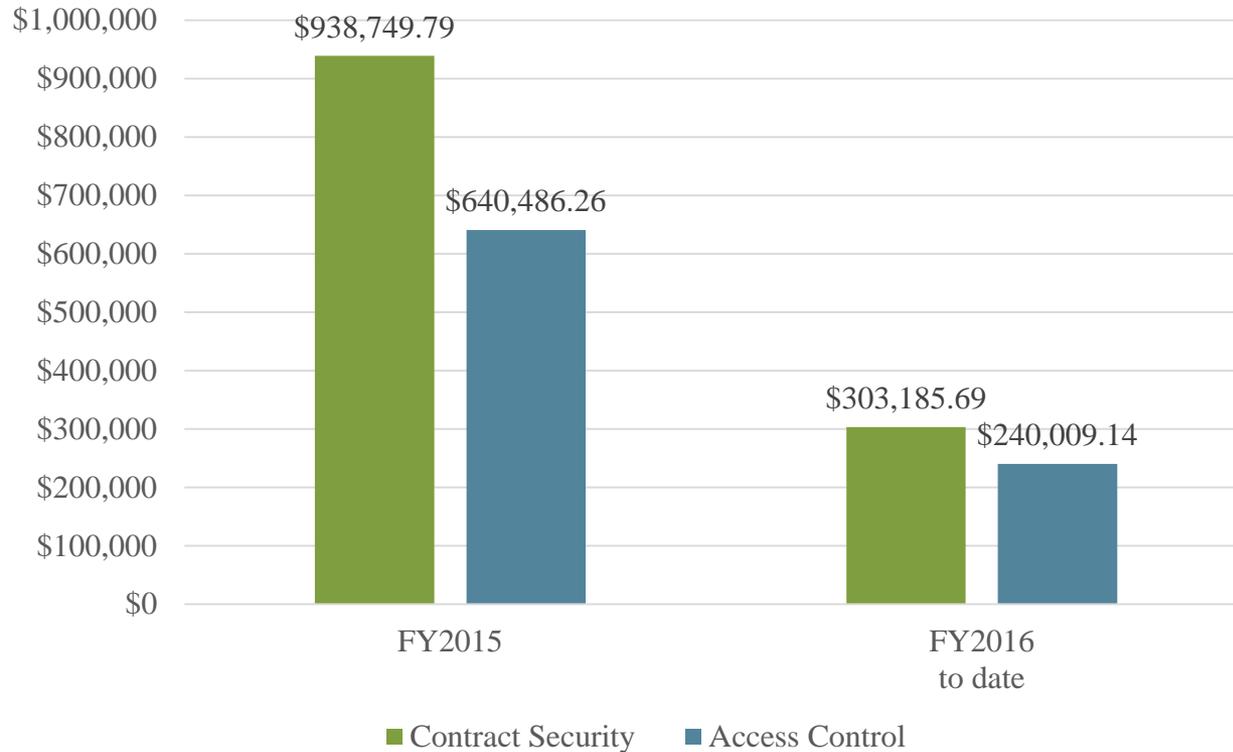
NCDOT Direct Workers Compensation Costs as of October 26, 2015

	FY2012	FY2013	FY2014	FY2015	FY2016 to date
New Injury	\$ 1,701,516	\$ 2,298,183	\$ 1,507,544	\$ 1,638,935	\$ 140,321
Total Cost	\$ 11,116,099	\$ 12,026,527	\$ 14,071,242	\$ 13,263,174	\$ 4,552,105
TTD	\$ 3,401,077	\$ 3,498,608	\$ 3,762,128	\$ 3,882,739	\$ 1,302,949
Other Cost	\$ 7,591,477	\$ 7,848,232	\$ 8,138,821	\$ 7,649,000	\$ 2,772,146
Clinchers	\$ 123,545	\$ 679,687	\$ 2,170,293	\$ 1,731,435	\$ 477,010



NCDOT Security Costs

Contract Security & Access Control



Security Future Projects

- RFP for Access Control in progress, posting goal 12-15-15
- Requirements Development Team: Bill Bryant, Al Finley PMP, Byron Solomon, Richard VanHanswyk, Patrice Tippet-Smith, Susan Holland, Barbara Christy
- Tech Systems current contract expires June 30, 2016, no renewal
- ITS exception for current contract

- RFP for Uniformed Unarmed Security, posting goal 12-4-15
- Requirements Development Team: Bill Bryant, Miles Davis, Barbara Christy
- U.S. Security Associates current contract expires August 26, 2016, no renewal

- State Capital Police new contract as of July 1, 2015
- Renewable





HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 10-7-2015 TIME: 11:00 AM – 12:00 PM LOCATION: 150

MEETING CALLED BY	Ferrell Blount
BOARD ATTENDEES	Committee: Brown, Debnam, Molamphy, Overholt, Palermo

AGENDA TOPICS

1. APPROVAL OF SEPTEMBER MINUTES	
DISCUSSION SUMMARY	
ACTIONS TAKEN	Minutes were approved as written.

In addition to the topic discussions summarized on the following pages, Chief Holder provided an update on Hurricane Joaquin. While NC had its share of flooding and high water areas, overall our State fared better than expected in the storm. As such, we were able to assist SC by sending 570 barriers within 24 hours of their request for help and we are set to send another 170 barriers soon. The Division Engineers and Asset Management worked together quickly to provide this aid and we will continue to offer our assistance in their recovery efforts.



Transportation

HIGHWAYS COMMITTEE MEETING MINUTES

2. NOTICE OF PROPOSED RULEMAKING (NPRM) – SAFETY PERFORMANCE MEASURES J. KEVIN LACY, PE, CPM, STATE TRAFFIC ENGINEER	
DISCUSSION SUMMARY	<p>FHWA published the Safety Performance Measure notice of proposed rulemaking in the Federal Register on March 11, 2014. Kevin explained that if it is passed as written, it will create a national performance management measures and standards to be used by the States to meet the national transportation goals reporting specific annual targets for the purpose of carrying out the Highway Safety Improvement Program (HSIP). MPOs would also set targets for the same measures for all public roads in the MPO. These targets would be set in coordination with the State as much as possible. Kevin reviewed NC’s feedback and explained that we agree with the four primary performance measures: Fatal count, fatal rate, serious injury count, and serious injury rate. One concern the State has is language encouraging states to directly link hospital data and crash data. We will need FHWA to provide instructions on how to accomplish this without violating HIPPA privacy requirements. We also do not support the stratification of HSIP funding as we do not want to split funding. We would like to continue to have the flexibility to identify the projects with the greatest need and ROI for safety. Kevin reiterated that we have one of the better programs in the country for studying areas with particularly high crash data and re-designing these areas to address safety issues.</p>
ACTIONS TAKEN	
3. NOTICE OF PROPOSED RULEMAKING (NPRM) – HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) BRIAN K. MAYHEW, PE, TRAFFIC SAFETY SYSTEMS ENGINEER	
DISCUSSION SUMMARY	<p>FHWA published the HSIP notice of proposed rulemaking in the Federal Register on March 28, 2014. If passed as written, the purpose is to align 23 CFR Part 924 which defines requirements for the HSIP in each state, with changes made by MAP-21. The purpose of the HSIP is to achieve a significant reduction in fatalities and serious injuries on all public roads using a data-driven strategic approach. MAP-21 removed several reporting requirements while adding others including an update to the SHSP on a 5 year cycle and HSIP reporting content and annual cycle. Brian explained that NC agrees with FHWA’s proposal to add language stating that funding shall be used for highway safety improvement projects that have the greatest potential net benefits to achieve the State’s fatality and serious injury performance targets. We also agree with the proposed provision to evaluate the SHSP to confirm the validity of emphasis areas/strategies based on current safety data and identify issues related to the SHSP’s process. NC is concerned with the requirement by MAP-21 to collect additional data on all public roads (included all roadway segments, intersections and interchange ramps) for enhanced safety analysis. The estimated cost to NC is over \$40M over 16 years as we could gain a better ROI by funding safety projects. We are requesting not to require the data collection on subdivision and residential streets as less than 1% of our fatal and serious injury crashes occur on these roads. We have estimated the same \$40M could reduce 106 fatalities, providing over \$680M in benefits from reduced fatalities. We also do not support a different project selection process for state maintained and non-state maintained public roads. We have a competitive prioritization process that considers benefit/cost of each project thus a separate process is not needed.</p>
ACTIONS TAKEN	



Transportation

HIGHWAYS COMMITTEE MEETING MINUTES

4. STRATEGIC HIGHWAY SAFETY PLAN (SHSP) TERRY HOPKINS, PE, STATE TRAFFIC SAFETY ENGINEER	
DISCUSSION SUMMARY	<p>The SHSP is a living document that was first developed in 2002 with the last formal update in 2006. In 2014, we did an update including data analysis, review of safety partner plans and outreach to safety partners. There were 40 assembled partners with 22 partner agencies working statewide to drive down fatalities. The goal is to cut the fatalities and serious injuries in half by the year 2030 (as compared to 2013 data). As a state, we have also adopted a "vision zero" goal since even one fatality on our roads is too many. However, we need to work towards an achievable goal in the interim. In order to achieve this, nine emphasis areas (EA) were selected. The four highest fatality categories are lane departures, occupant not wearing their seatbelt, impaired drivers, and speed. The additional five emphasis areas were keeping drivers alert, intersection safety, demographic considerations, bike/ped, and emerging issues/data. Each EA had a working group that defined strategies with supporting actions. For monitoring, the performance measures are shown on a progress dashboard on the NC SHSP website comparing goals to actual data for each EA (fatalities and serious injuries). NC will continue to work towards its goal of achieving Vision Zero. For 365 days and Terry reiterated the importance of everyone continuing to relay the importance of wearing a seatbelt, not being distracted, and obeying the rules of the road. Chief Holder stated the Department needs to be leaders in the area of not being distracted while driving which is why there are current discussions on a possible policy prohibiting cell phone use while driving feel vehicles. He will also be encouraging the Divisions to take the SHSP information out to their local public to continue to reiterate the message.</p>
ACTIONS TAKEN	
5. INTERSTATE SIGN FEES UPDATE J. KEVIN LACY, PE, CPM, STATE TRAFFIC ENGINEER	
DISCUSSION SUMMARY	<p>Kevin provided an update on the interstate sign fees saying that while the fee covers the cost to the Department, it is still not revenue generating. We have not raised the fees in approximately 10 years and would like to be able to. The concern of the General Assembly was the effect on small businesses if the fees were higher. Our neighboring states charge a much higher fee per logo than NC does. We plan to work with the General Assembly in the next session on raising the fees to be more comparable to what other states are doing while allowing something more reasonable for small businesses. Additionally, we have discussed allowing 9 panels on the sign versus the current 6 panels as we have a high demand for this but currently they are not willing to allow this.</p>
ACTIONS TAKEN	



HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION NOVEMBER 4, 2015

TIME: 10:00 AM – 12:00 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
Bridge Policy Discussion	Greg Perfetti, PE Jerry Jennings, PE	30 min
Equal Opportunity Status Update	Marci Wright	30 min
Zipper Weave	Jim Dunlop, PE	30 min
Maintenance Allocations	Mike Holder, PE	30 min



BOT Highways Committee (November 5, 2015)

Equal Opportunity Update

Marci Wright, Director



Office of Equal Opportunity and Workforce Services Programs

- DBE Certification and Utilization
- Business Opportunity and Workforce Development
- Contractor Compliance
- On-the-Job Training
- Title VI
- Internal EEO
- Education Initiatives

Division of Highways Equal Opportunities

- Central let
- Division let
- Materials
- Facilities

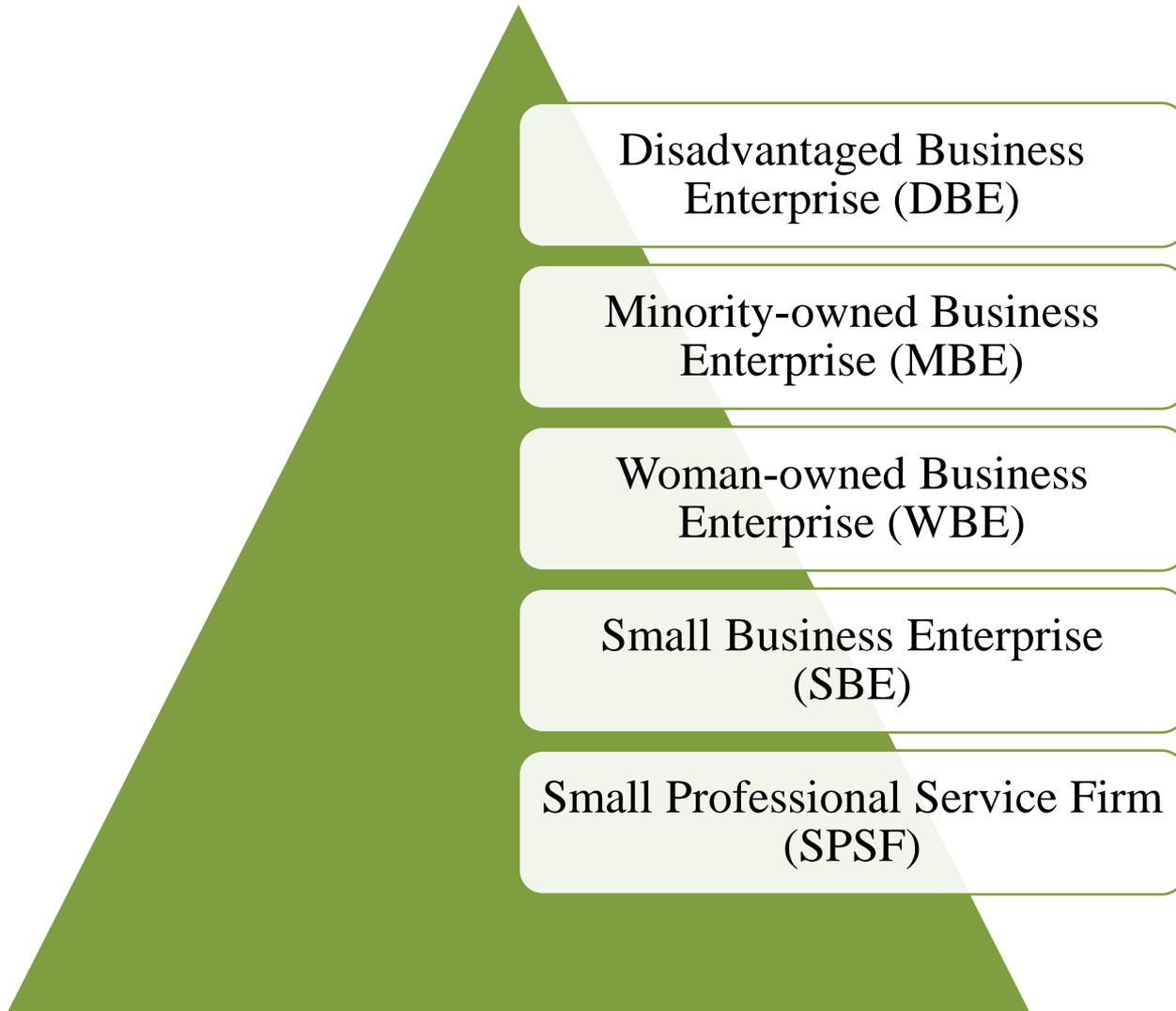


Equal Opportunity

- Definitions
- Highways
- Status update
- Current challenges
- Triumphs and tragedies
- The way forward



Equal Contracting Opportunities



What is the Disadvantaged Business Enterprise Program?

The U.S. DOT's DBE program is a vehicle to **address discrimination** and its continuing effects by **providing opportunities** for disadvantaged businesses to **fairly compete** for Federally-assisted State and local contracts for transportation projects.

Created in 1980 under the authority of the Civil Rights Act of 1964.



DBE Program Objectives

The U.S. DOT's DBE program has three primary objectives:

- Providing a **level playing field** so DBEs can fairly compete for DOT-assisted projects;
- Ensuring that **only eligible firms** become certified as DBEs; and
- Assisting in the **development** of DBE firms so that they can compete **outside** the DBE program.



What is the Unified Certification Program (UCP)?

The UCP is required by federal law to ensure the only eligible firms participate.

DBE firms certified with NCDOT are eligible to have their work counted toward goals with:

- Federal Highway (FHWA)
- Federal Transit (FTA)
- Federal Aviation (FAA)

Note: Federal Rail Administration (FRA) and the Turnpike rely on DOT's implementation of the federal and state laws.



Purpose of the DBE Program

- Assist in the achievement of small and disadvantaged participation goals
- Ensure NCDOT is not a passive participant in discriminatory contracting and procurement practices
- Ensure that contract award decisions are made based on the contractor's good faith efforts to attain the stated goal

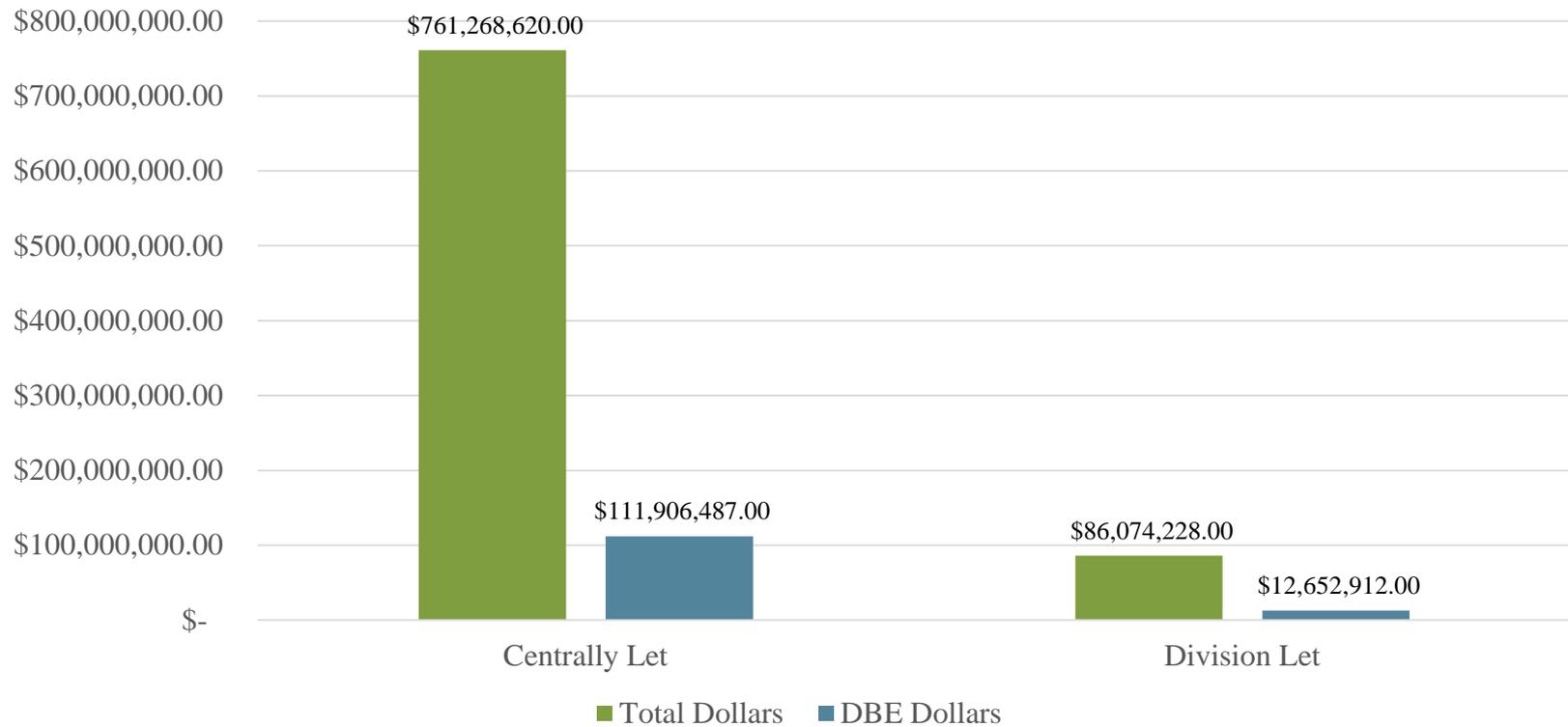


Status Update



Status Update Federally Funded Contract Awards

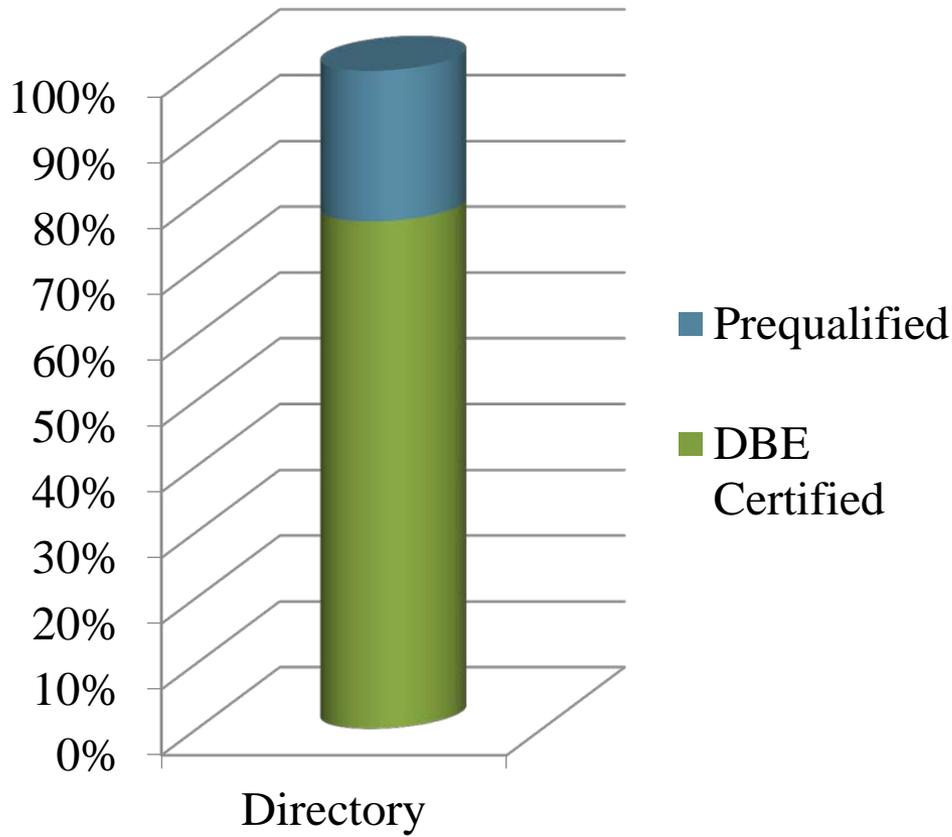
Statewide DBE Goal Attainment



as of 9/29/2015



Challenge

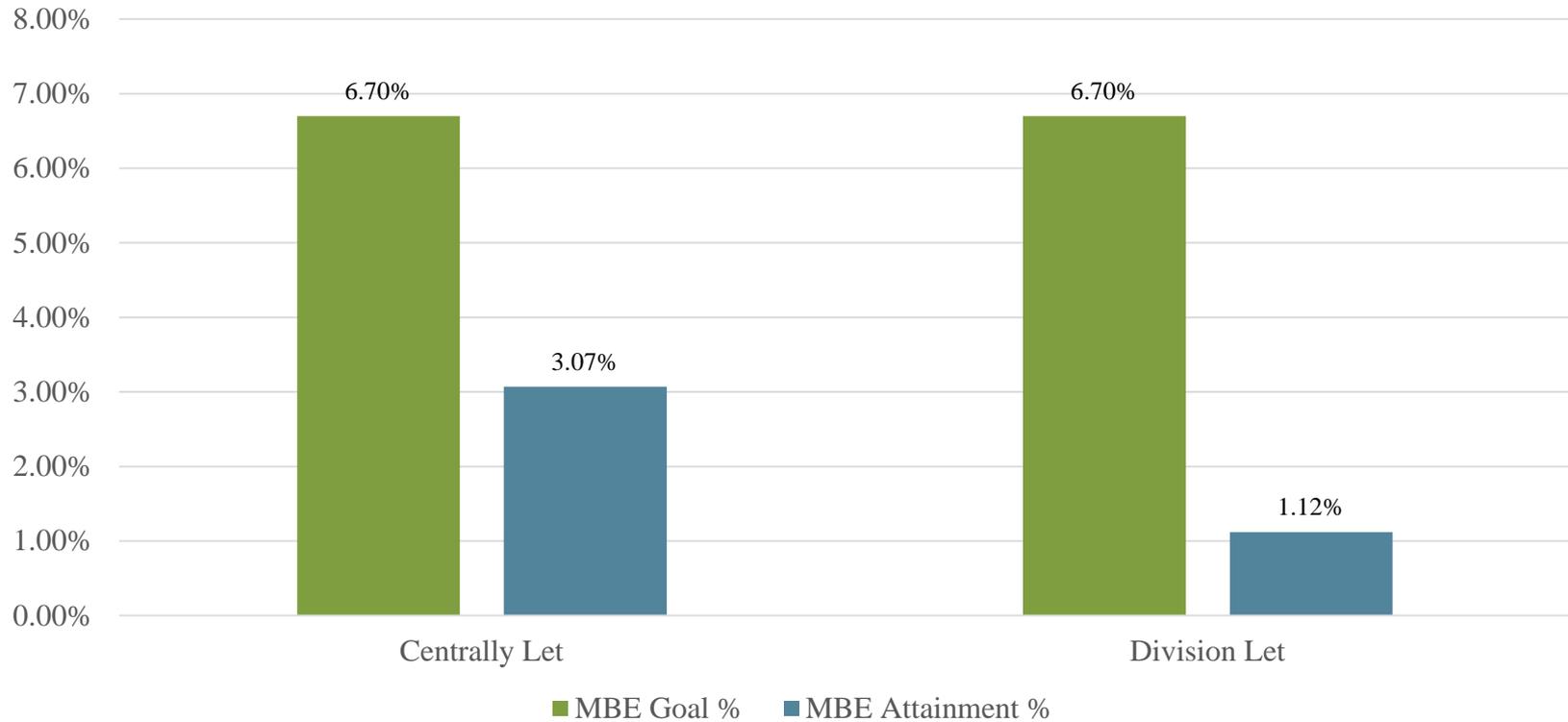


DBE Current State Assessment

- The challenge is to increase the number of prequalified DBE firms.
- We meet this challenge by assisting in the **development** of DBE firms so that they can compete.

Status Update State Funded Contract Awards

Statewide MBE Goal Attainment

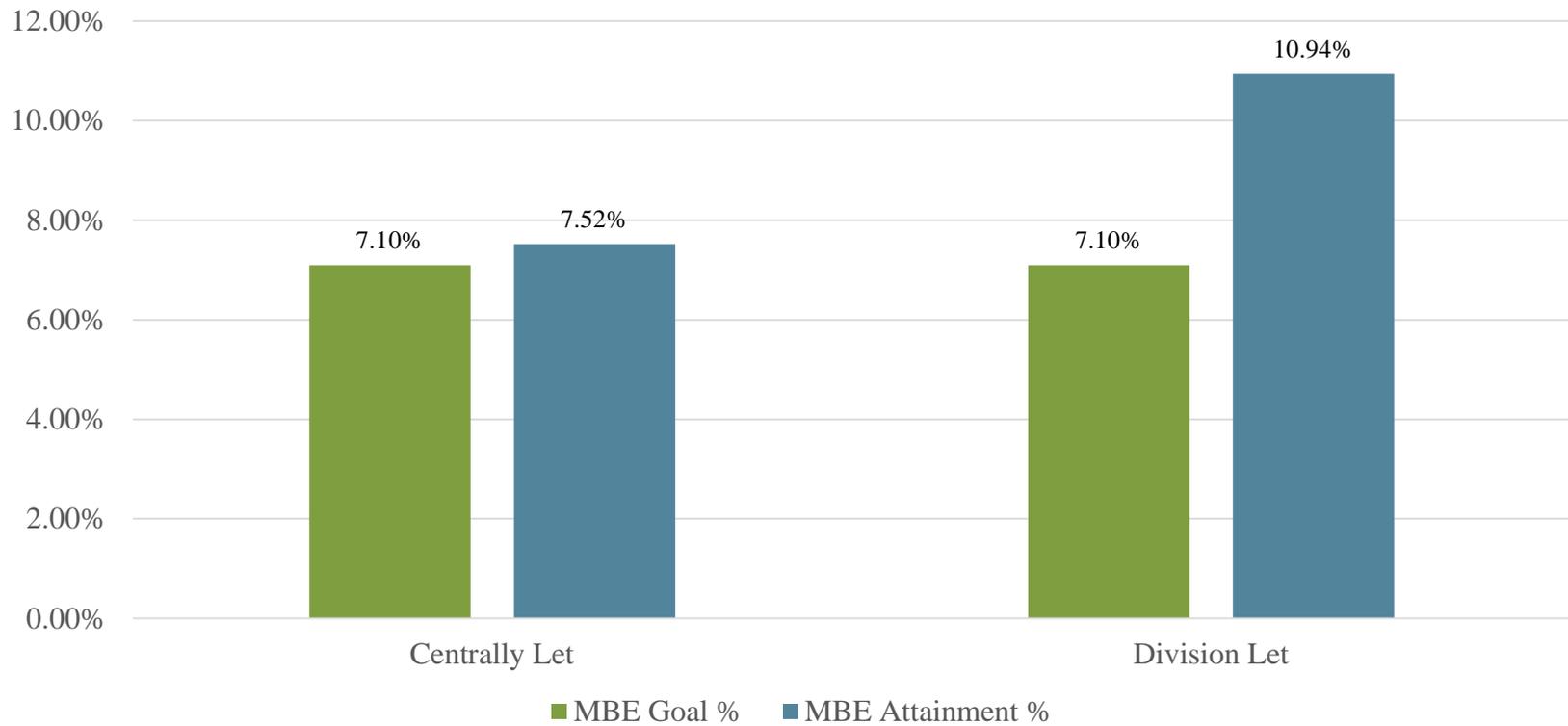


as of 9/29/2015



Status Update State Funded Contract Awards

Statewide WBE Goal Attainment



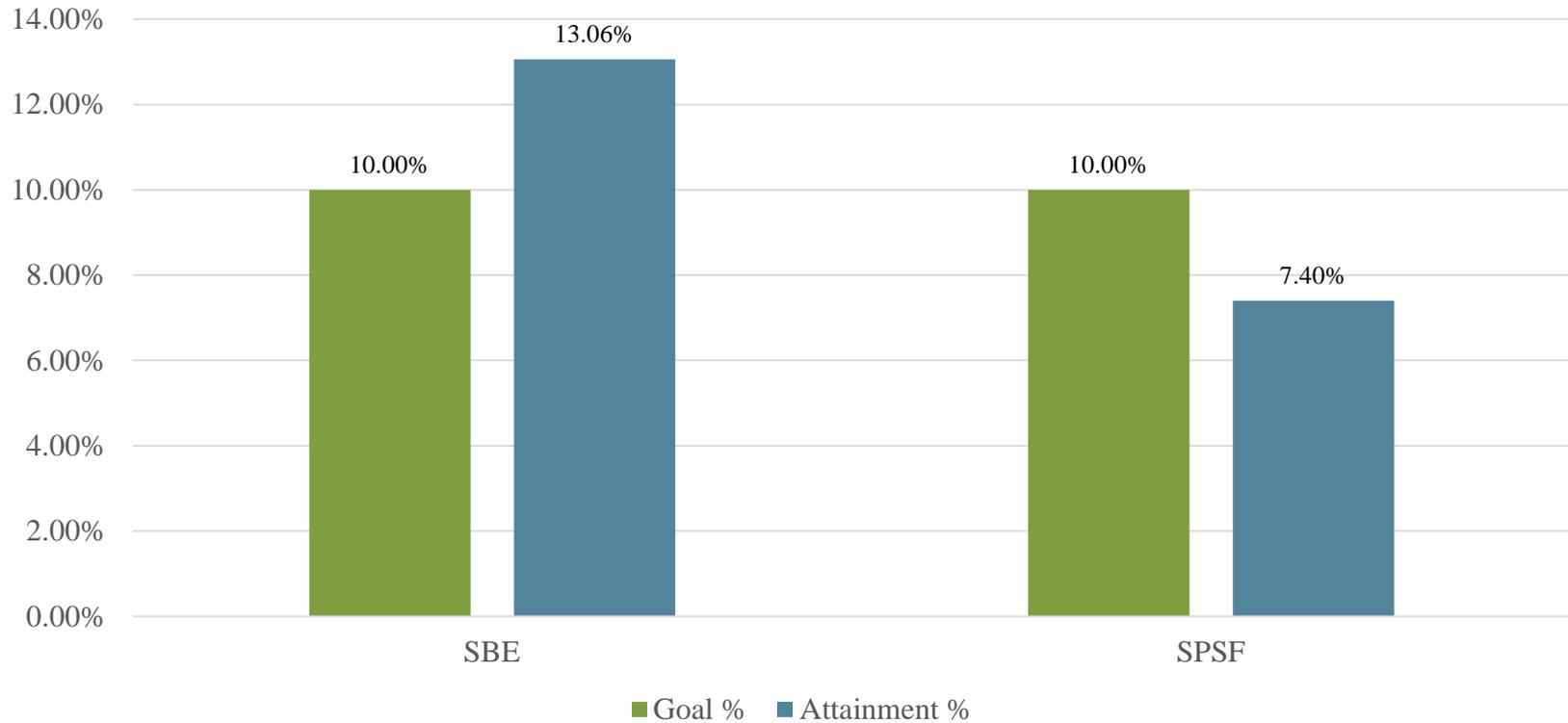
as of 9/29/2015



Status Update

Small Business Success

SBE Goal Attainment



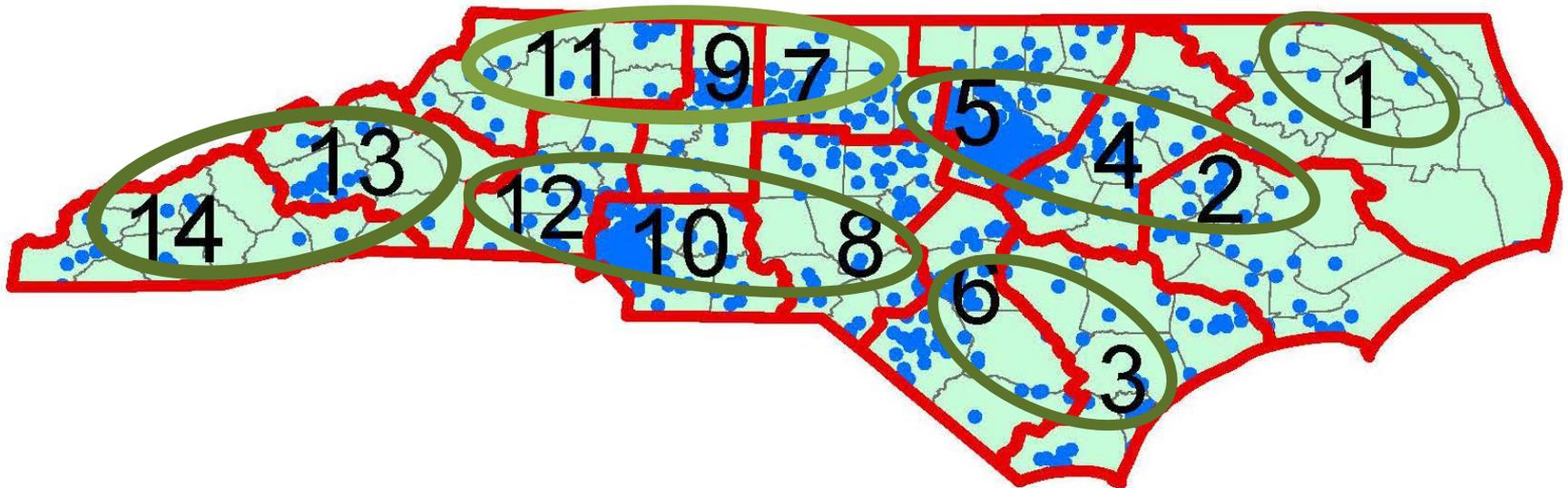
as of 9/29/2015



The Way Forward



The Tour



DBE Firms by Division



Office of Equal Opportunity Offers Support

- Program Support
 - Monitoring, tracking, reporting
 - Goal setting education and training
 - Good faith efforts education and training
 - NCDOT
 - Stakeholders



Office of Equal Opportunity Provides Training

- Compliance Reviews for Divisions and Business Units
 - DBE Utilization
 - Title VI
 - EEO and ADA



Thank You



Marci Wright

Director, Office of Equal Opportunity & Workforce
Services at North Carolina Department of Transportation

919.508.1886 Office

mlwright4@ncdot.gov





Highways Committee Meeting - November 2015

Maintenance Allocations

Mike Holder, PE, Chief Engineer



Biennium Appropriation Comparisons *General Maintenance (\$M)*

	<u>Last Biennium</u>				<u>Current Biennium</u>		
	FY 2014	FY 2015	TOTAL		FY 2016	FY 2017	TOTAL
Primary	216	184	400		145	189	334
Secondary	292	266	558		306	287	593
	508	449	958		451	476	927

Biennium Appropriation Comparisons Pavement/Bridge Programs (\$M)

	<u>Last Biennium</u>				<u>Current Biennium</u>		
	FY 2014	FY 2015	TOTAL		FY 2016	FY 2017	TOTAL
Contract Resurfacing	433	408	842		466	498	964
Pavement Preservation	0	65	65		100	85	185
Bridge Program	180	153	333		211	242	453
	613	626	1239		777	825	1602

Summary of Funding Increases for Maintenance Programs FY 2016 - FY 2017

Pavement Treatments:

\$92.6M in FY 2016

\$109.2M in FY 2017

\$109.2M annual recurring thereafter

Bridge Program:

\$57.6M in FY 2016

\$89.2M in FY 2017

\$89.2M annual recurring thereafter

Secondary Maintenance:

\$38.9M in FY 2016

\$18.2M in FY 2017

\$18.2M annual recurring thereafter



Project Planning for Funding Growth

PAVEMENTS:

- Divisions updating HMIP to accelerate projects this FY.
- Net result expected to increase good pavement by 8.2% and reduce fair and poor pavements by 3.8% and 4.4% respectively.

BRIDGES:

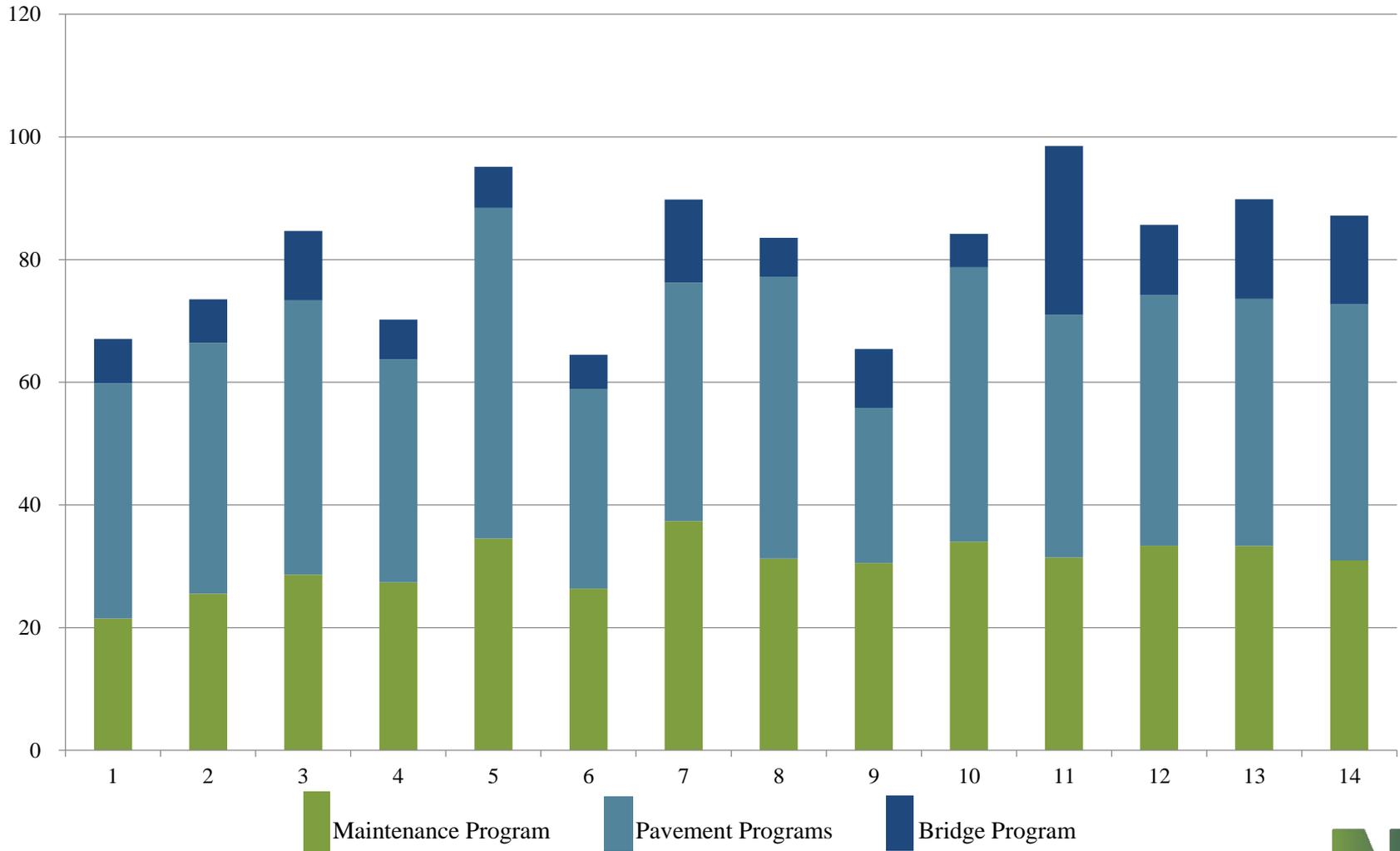
- Expect to replace over 500 bridges from this allocation
- This funding will reduce the number of SD bridges to approximately 10% across the entire system over next 15 years

SECONDARY MAINTENANCE:

- Additional funding can be used to address needs that are not represented in the condition scorecards such as pavement and bridge routine maintenance.



Allocation Distribution (\$M per Division)



Questions





Board of Transportation | November 4, 2015

Highway Merging

James H. Dunlop, PE
Congestion Management Engineer



Highway Merging



Merge - join or combine, become one

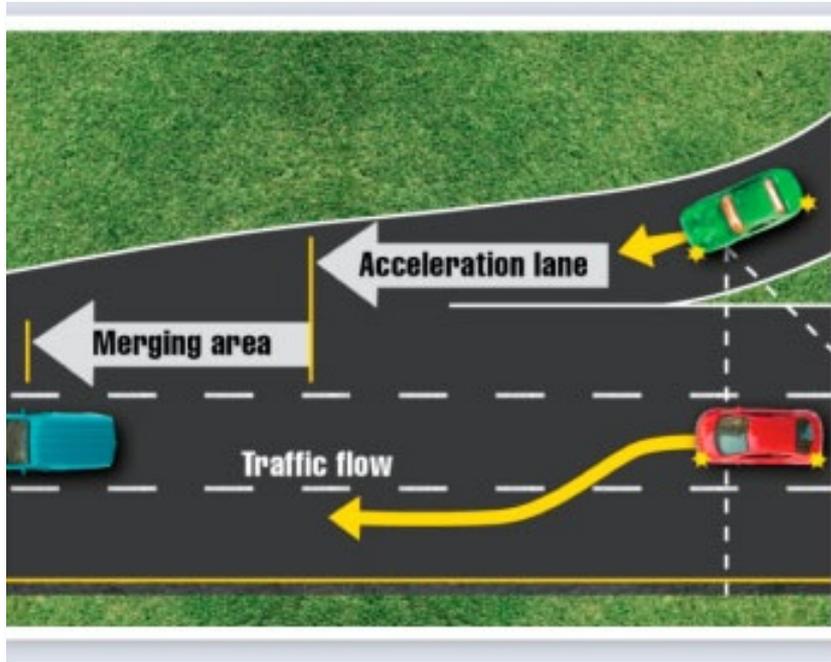
- Highway Merging – moving from one lane to another as the first lane ends
- Highway Weaving – traffic moving from one adjacent lane to another, as other traffic does the reverse

Road and Track Magazine

“...merging onto a freeway is the most demanding task most drivers will ever face”



How to Merge Onto the Highway



<http://seniordriving.aaa.com/>

Using the Right Technique

1. Accelerate to the same speed as highway traffic
2. Put on your turn signal
3. Look for a gap in traffic
4. Merge when it's safe to do so

Practicing Good Merging Habits

1. Check other cars' "body language"
2. Create gaps in front and behind you
3. Never merge abruptly
4. Don't come to a stop in the merge lane
5. Be kind when you see others merging

<http://www.wikihow.com/Merge-Onto-the-Highway-Without-Crashing>



Congested Conditions



Mumbai



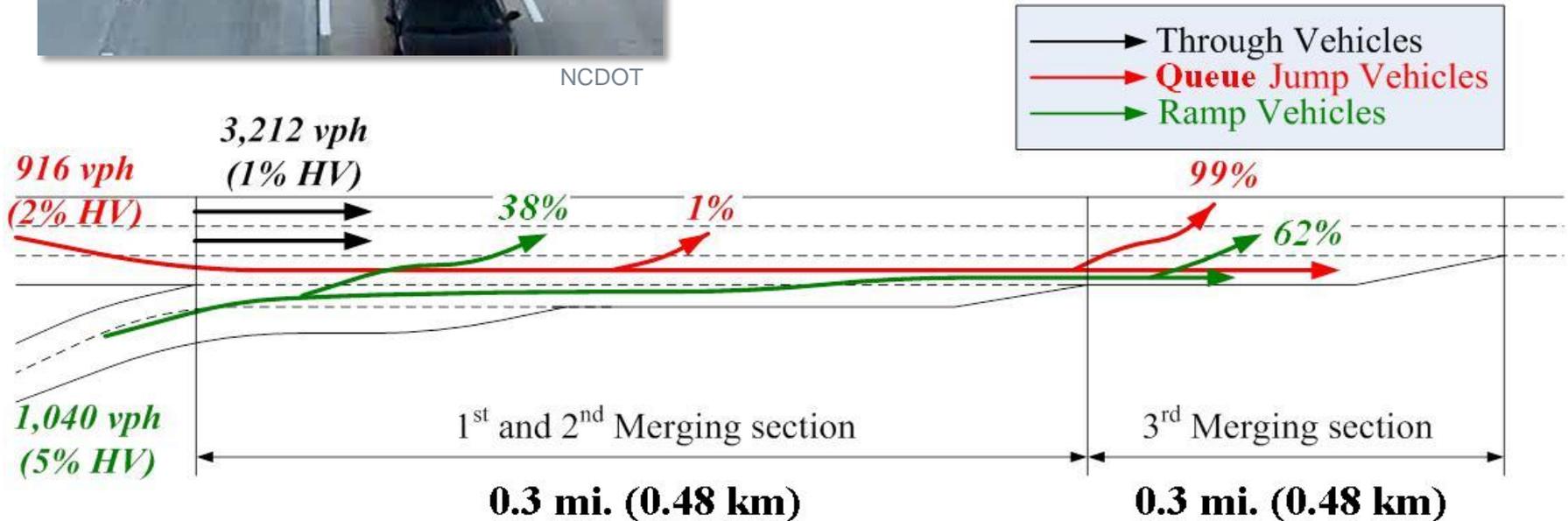
1. Additional lanes or long acceleration/auxiliary lanes on freeways allow “lane cheaters” to bypass the majority for minor individual gains, but creates significant additional merge delays for others
2. Signals at ramp intersections on side street release platoons of traffic onto the ramp, overloading the merge area
3. Early merges may create more delay as multiple interruptions in flow may occur

I-40 at US 70 Bypass – Johnston County



NCDOT

- Bypass completed 2008
- Additional lane constructed on I-40 in anticipation of future widening
- Added lane created congestion as “lane jumpers” filled new lane, adding to the merge volume



I-40 at US 70 Bypass – Johnston County

- Solution – remove added through lane and force merge on US 70 in advance of I-40
- Reduced delay/travel time by about one minute per vehicle
- Reduced conflicts and crashes by about 36%



NCDOT



Ramp Metering

- The main objective of ramp meters is to improve efficiency on the freeway.
- Ramp meter signals are installed on freeway on-ramps that are designed to momentarily hold traffic, and allow one or two cars on the ramp every few seconds to merge onto the freeway.
- This prevents large groups of vehicles from getting on the freeway at the same time, which can cause traffic congestion.
- Ramp meters space the vehicles entering the freeway so they can get up to merging speed and safely merge into the traffic flow.
- This reduces the disruption to the mainline traffic flow, which improves capacity, keeps traffic flowing and improves safety.
- First project in North Carolina scheduled for 2016



<http://transportation.ce.gatech.edu/rampmeter>

<http://www.ncdot.gov/projects/rampMetering/>

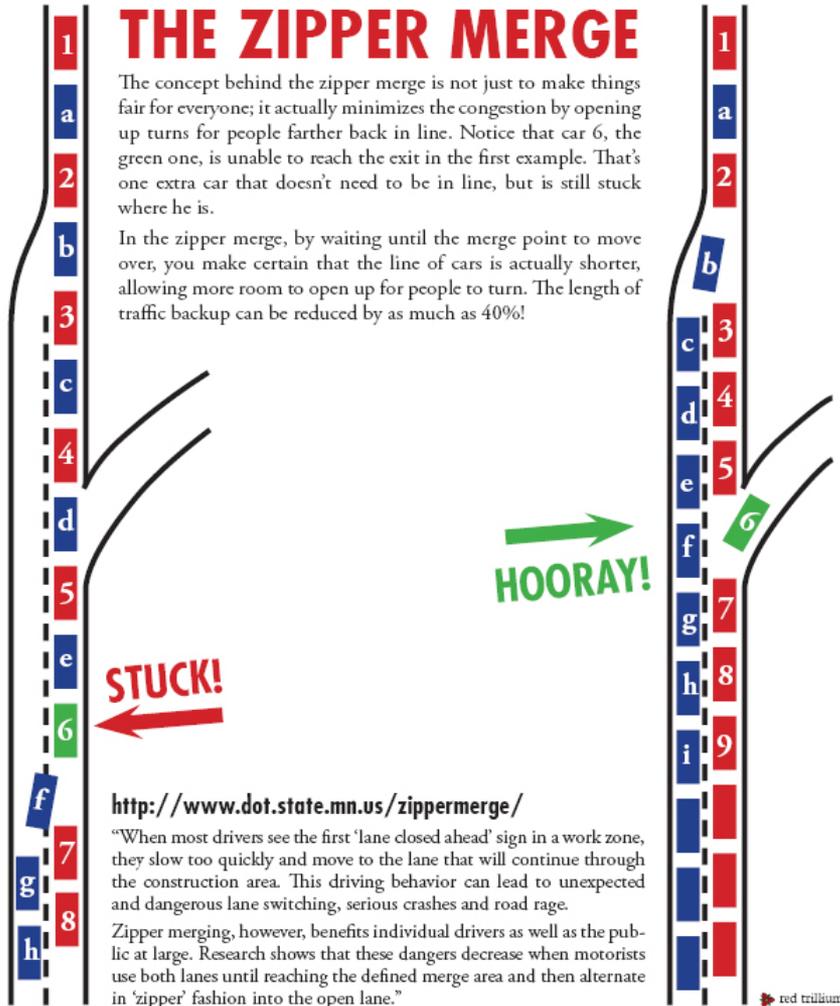


“Zipper” Merge

THE ZIPPER MERGE

The concept behind the zipper merge is not just to make things fair for everyone; it actually minimizes the congestion by opening up turns for people farther back in line. Notice that car 6, the green one, is unable to reach the exit in the first example. That's one extra car that doesn't need to be in line, but is still stuck where he is.

In the zipper merge, by waiting until the merge point to move over, you make certain that the line of cars is actually shorter, allowing more room to open up for people to turn. The length of traffic backup can be reduced by as much as 40%!



- Implemented by Minnesota and Washington State DOTs, among others
- Instructs drivers to continue to merge point in both lanes and alternately merge to the open lane



Minnesota DOT Zipper Merge

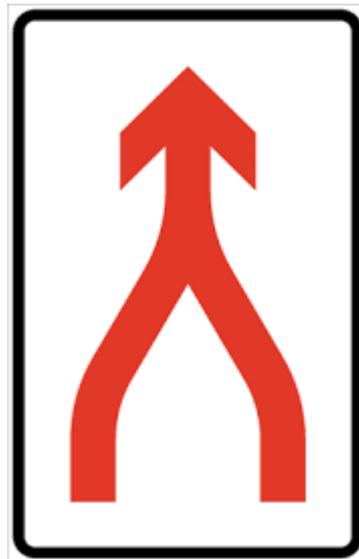
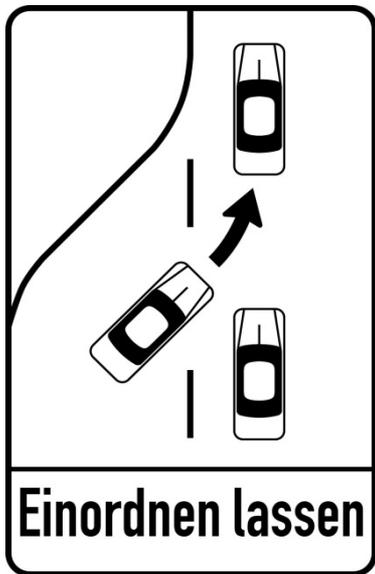
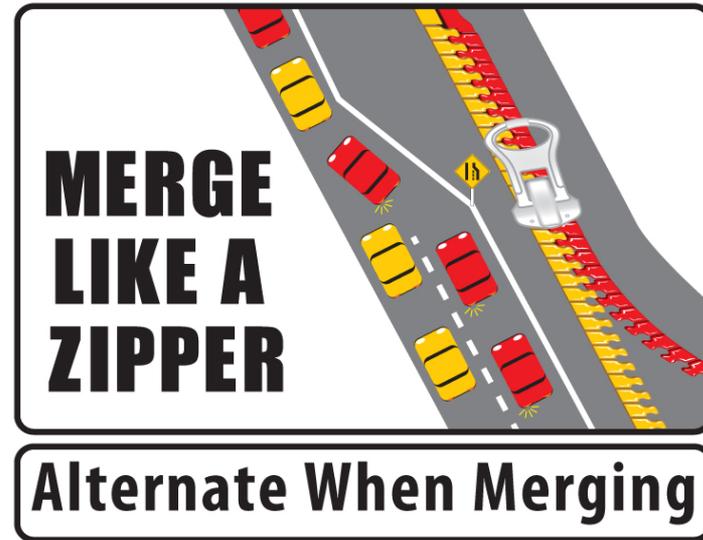


Benefits

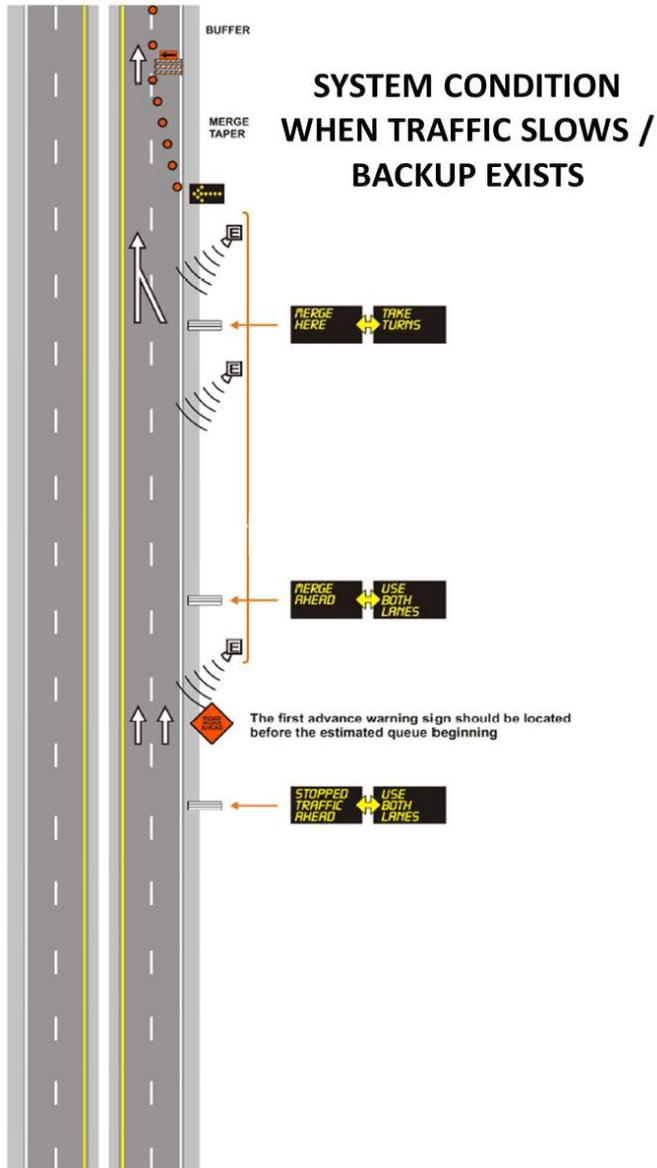
- Reduces differences in speeds between two lanes
- Reduces the overall length of traffic backup by as much as 40 percent
- Reduces congestion on freeway interchanges
- Creates a sense of fairness and equity that all lanes are moving at the same rate



“Zipper Merge” Social Media Information



North Carolina “Dynamic Merge System”



- Used for Construction Zones
- Series of Variable Message Signs Installed along with radar detection
- If traffic is moving at speed, signs are blank
- If traffic begins to back up, messages indicating a zipper merge are shown

Questions?





Transportation

MULTIMODAL COMMITTEE MEETING MINUTES

DATE: 10/7/15 TIME: 10:30am LOCATION: EIC

MEETING CALLED BY	Malcolm Fearing
BOARD ATTENDEES	Cheryl McQueary, Jeff Sheehan, Sandra Fountain, Lou Wetmore, Gus Tulloss, Malcolm Fearing

AGENDA TOPICS

1. FERRY DIVISION UPDATE – ED GOODWIN	
DISCUSSION SUMMARY	Hurricane Joaquin preparation and updates.
ACTIONS TAKEN	Informational

2. SEPTEMBER MINUTES APPROVAL – MALCOLM FEARING	
DISCUSSION SUMMARY	Approval of September Minutes.
ACTIONS TAKEN	Motion to approve was made by Cheryl McQueary and seconded by Lou Wetmore. Motion was approved.

3. ITEM I-1, I-1A – DEBBIE COLLINS	
DISCUSSION SUMMARY	Approval of Public Transportation funding items.
ACTIONS TAKEN	Motion to approve was made by Lou Wetmore and seconded by Sandra Fountain. Motion was approved.

4. ITEM I-2 – PAUL WORLEY	
DISCUSSION SUMMARY	Approval of Rail funding items.
ACTIONS TAKEN	Correction to TIP P2918 was made reducing cost to \$5,430,821 from \$7,162,410.42. Motion to approve was made by Cheryl McQueary and seconded by Lou Wetmore. Motion was approved.



MULTIMODAL COMMITTEE MEETING MINUTES

5. ITEM I-4 – BOBBY WALSTON	
DISCUSSION SUMMARY	Approval of Aviation funding items.
ACTIONS TAKEN	Motion to approve was made by Cheryl McQueary and seconded by Lou Wetmore. Motion was approved.

6. TRANSIT UPDATE – KEITH WEATHERLY	
DISCUSSION SUMMARY	Commend the Ferry Division for their efforts during Hurricane Joaquin.
ACTIONS TAKEN	Informational

7. PUBLIC TRANSPORTATION DIVISION UPDATE – DEBBIE COLLINS	
DISCUSSION SUMMARY	Goldsboro Wayne Transportation Authority Bus Transfer Center was dedicated on September 19 th while Rutherford County Transit celebrated its 25 th anniversary on September 29 th . PTD is working with 80 transit systems to create success plans.
ACTIONS TAKEN	Informational

8. RAIL DIVISION PRESENTATION – PAUL WORLEY	
DISCUSSION SUMMARY	Pembroke Connector in Robeson County and Sugar Creek Road Grade Separation in Charlotte have begun construction. New Rocky Mount Transload Facility has just been completed. Promotion of the NC State Fair and Panthers train continue. BeRailSafe has launched campaign on the dangers of photography on railroad tracks.
ACTIONS TAKEN	Informational



MULTIMODAL COMMITTEE MEETING MINUTES

9. BIKE & PEDESTRIAN DIVISION – LAUREN BLACKBURN	
DISCUSSION SUMMARY	Bike & Pedestrian Summit will be held October 14-19. Today, October 7 th , is International Walk to School Day.
ACTIONS TAKEN	Informational

10. AVIATION UPDATE AND PRESENTATION – BOBBY WALSTON	
DISCUSSION SUMMARY	Laws were passed to place Aviation in compliance with grant funding which also allow for an additional \$4 million from the General funds. RDU announced a nonstop flight to Paris beginning in Spring 2016. Engineering Aviation Safety: Wildlife Hazard Management/Stormwater Update by Jennifer Fuller.
ACTIONS TAKEN	Informational

11. EEO PRESENTATION – MARCI WRIGHT	
DISCUSSION SUMMARY	EEO Presentation
ACTIONS TAKEN	Informational



MULTIMODAL COMMITTEE AGENDA

BOARD OF TRANSPORTATION NOVEMBER 4, 2015

TIME: 10:30am

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order	Andy Perkins	10:30
Approval of Minutes	Andy Perkins	10:30-10:35
Funding Items (PTD, Rail, Aviation)	Transit Directors	10:35-10:40
Transit Update	Keith Weatherly	10:40-10:45
Ferry Division Update	Ed Goodwin	10:45-10:50
Public Transportation Division Update	Debbie Collins	10:50-10:55
Rail Division Update	Paul Worley	10:55-11:00
Bike & Pedestrian Division Update	Lauren Blackburn	11:00-11:05
Aviation Update Presentation	Bobby Walston	11:05-11:25
Durham/Orange Co Light Rail	Jeff Mann	11:25-12:00



Aviation Project Budget
SFY2016

Bobby Walston, PE



North Carolina Airport System Plan

Includes NC's 72 publicly owned airports

- 62 General Aviation airports
- 10 Commercial Service airports

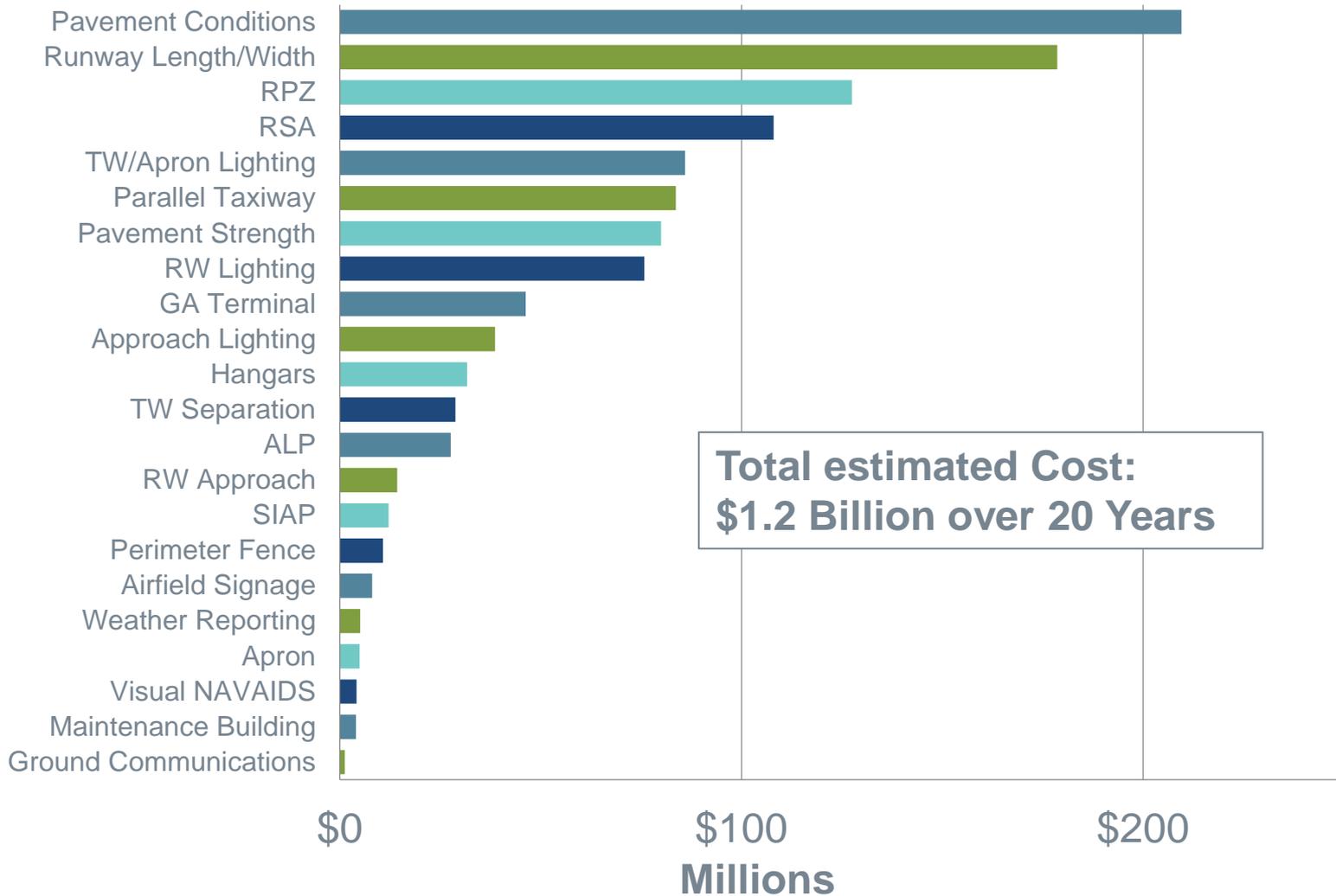
Provides a statewide system plan (top-down approach) for publicly owned airports in support of North Carolina's goals and objectives

FAA/State Funded

Oversight and involvement by an established NC Airport System Plan Steering Committee



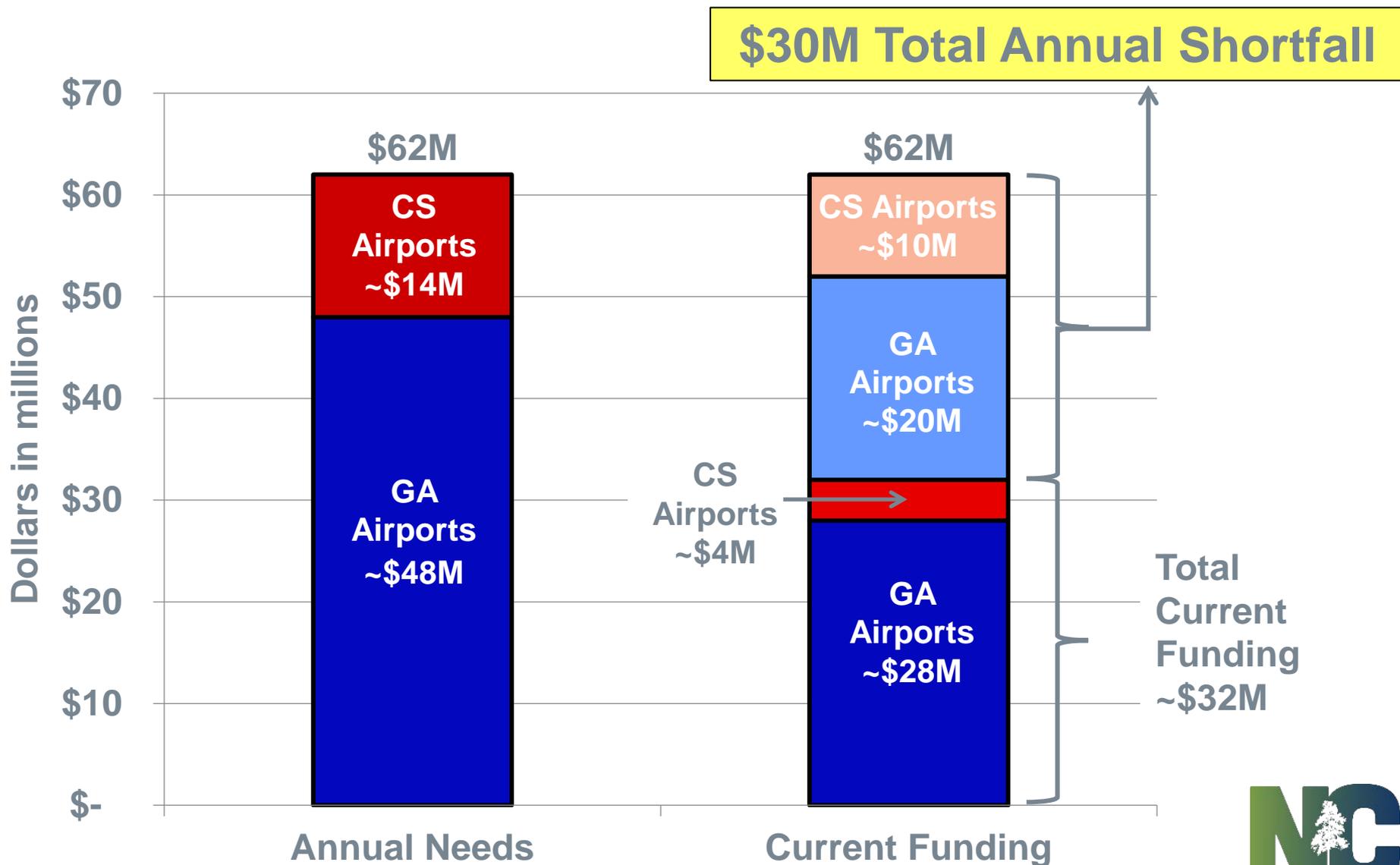
Cost by Airport Development Plan Category



Source: 2014 North Carolina Airports System Plan Update



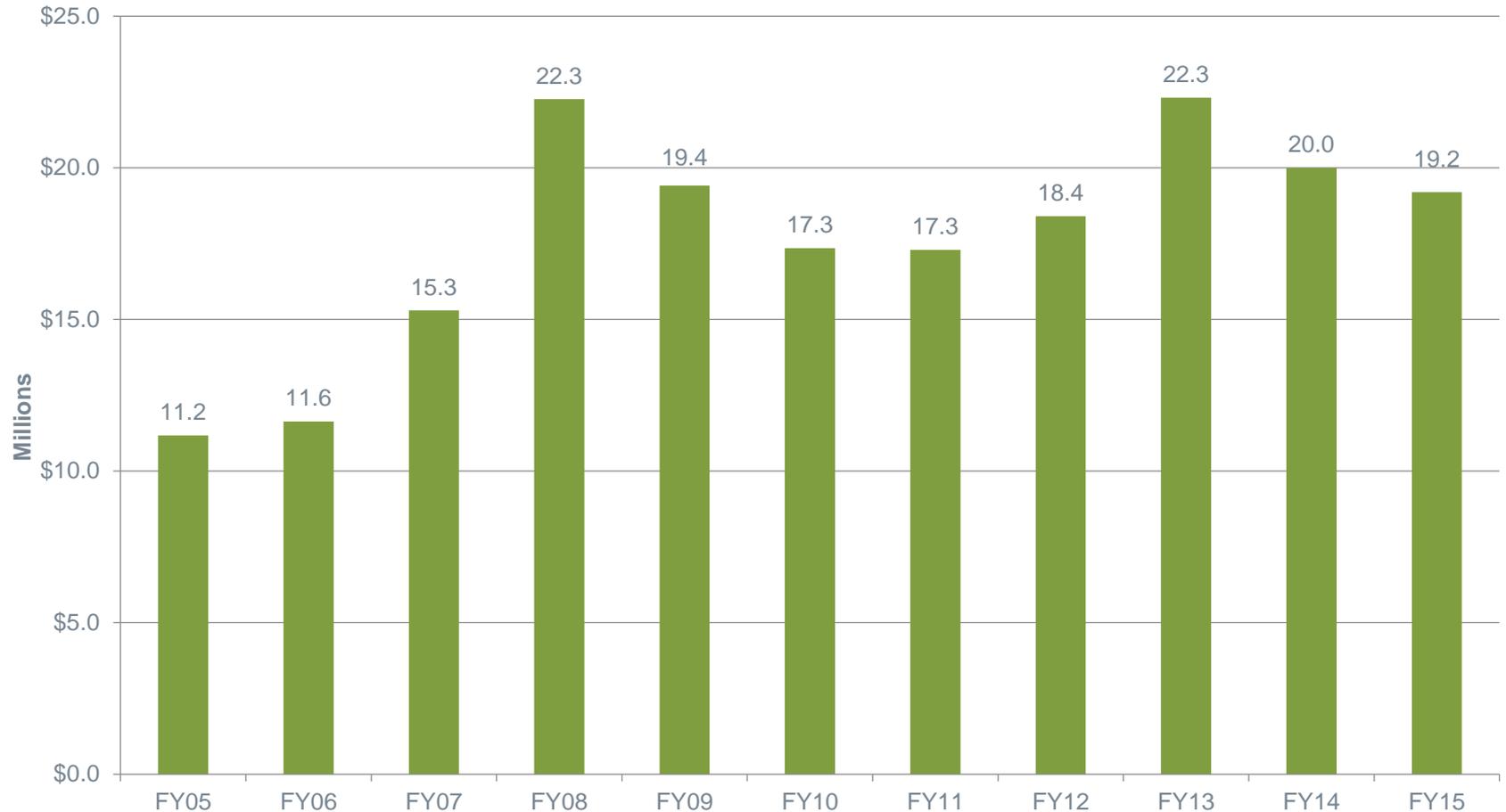
NC Airports Annual Funding Level Challenges



Source: 2014 North Carolina Airports System Plan Update



State Airport Funding 2005 - 2015



Source: NCDOT - Division of Aviation



FY 2016 State Funding

Total SFY2016 Aviation Budget
\$38,260,952

Legislative Directed Projects

\$3,500,000 for Airport Improvement at
Cape Fear Regional Jetport

\$2,000,000 toward a new Air Traffic
Control Tower at Albert J Ellis Airport

Legislative Directed Programs

\$2,500,000 in support of the NC
Unmanned Aerial Systems (UAS)
Program

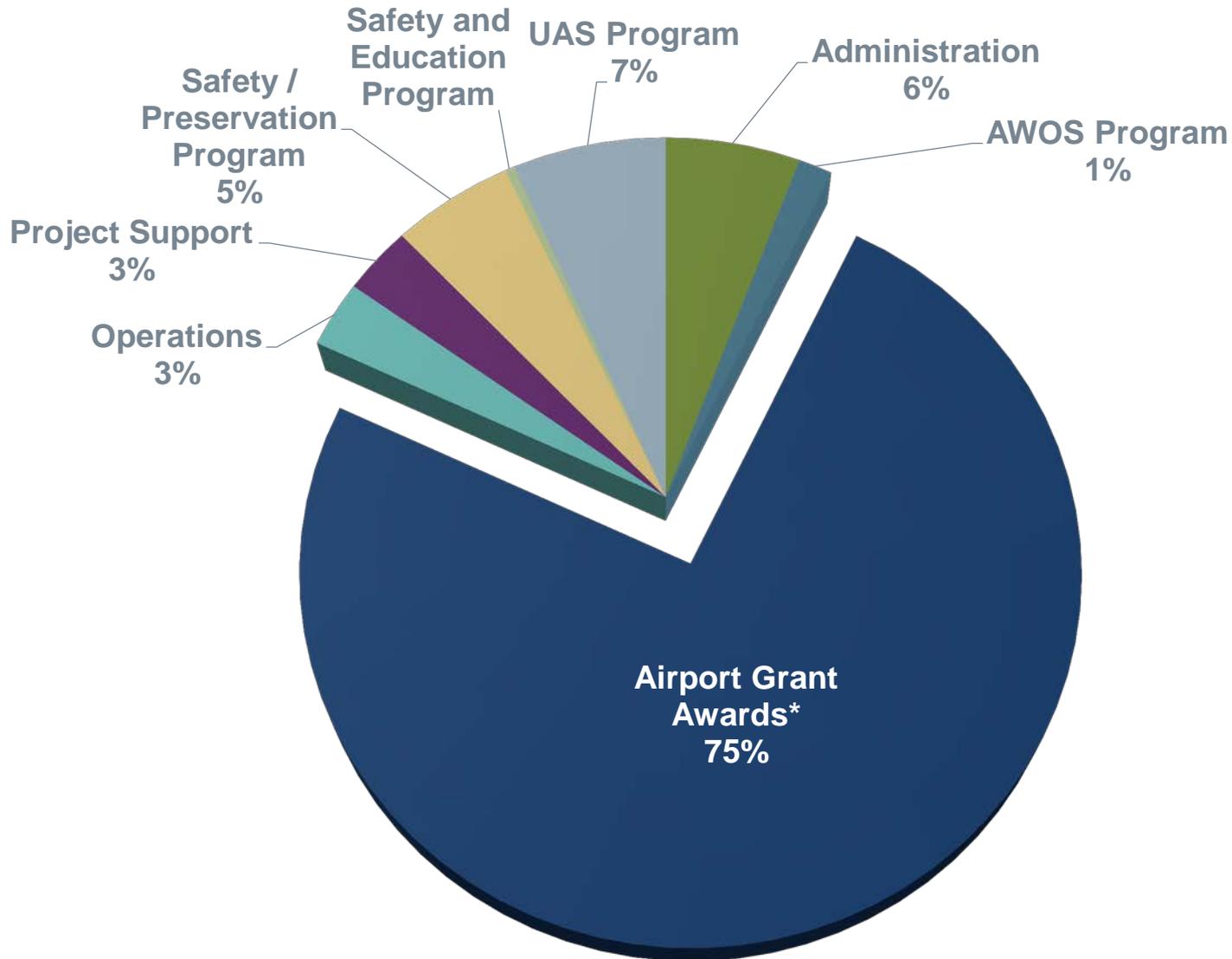


Aviation Operations and Programs

Administration	\$2,200,000
Operations	\$1,115,000
AWOS Program	\$550,000
Project Support	\$1,145,000
Safety / Preservation Program	\$2,000,000
UAS Program	\$2,500,000
Safety and Education Program	\$155,000
Airport Grant Awards*	\$ 28,600,000

*Includes legislative directed projects and projects already programmed for funding

Aviation Budget



Source: NCDOT – Division of Aviation



Project Selection Process

883 Project records in database

Filters

- Legislative Directed
- FAA Non-Primary Airport Entitlement Program Grants available for project costs estimated at or less than \$150,000
- Year Airport Sponsor desires project
Projects requested beyond 2018 not considered this cycle
- System Plan Objectives by airport category
STI: Projects exceeding system plan objectives will be scored in SPOT Online

291 Projects considered for FY2016 State funding

Source: NCDOT – Division of Aviation



Project Selection Results



Source: NCDOT – Division of Aviation

Planning and Design: \$ 1.25 M

Approach and Safety Areas: \$ 3 M

Pavement Condition and Length: \$ 11.8 M

Lighting and Navaid: \$ 4.6 M

Terminal Area: \$ 1.8 M

Directed by Legislature*: \$ 5.5 M

Programmed*: \$.65 M

*Includes projects and projects already programmed for funding

The Way Ahead

Continued Coordination With the Airport Sponsors

- Validate estimated costs
- Refine scope of work

Initiate BOT Approval for Individual Projects

Issue Grant Award Letters

Sponsor May Then Initiate Project and Grant Execution Process



Questions?



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November 2015

PROGRAMS AND INITIATIVES

Ed Goodwin—Director

Period Comparison

Expenditures

September 2014 \$ 3,836,600

September 2015 \$ 3,391,581

Capital Reserves are not included in Period Comparison.

Capital Reserve Credits

September 2015 \$ 240,329

Vessel Replacement \$ 5,350,379*

*Through FY16 Period 3

Shipyard Projects

September 2015

Yard Improvements \$ *

*Through FY16 Period 3 (Est. 9/15)

DISTRICT 1, DISTRICT 2 & DISTRICT 3 PERFORMANCE SNAPSHOT						
NCDOT FERRY DIVISION SEP 2015						
Ridership: Vehicles						
	SEP 2015	SEP 2014	Δ	FY16 FYTD	FY15 FYTD	Δ
DISTRICT 1	32,411	33,049	-2%	116,616	115,690	1%
DISTRICT 2	36,859	40,109	-8%	140,093	141,267	-1%
DISTRICT 3	6,196	9,137	-32%	22,399	31,661	-41%
TOTAL	75,466	82,295	-8%	279,108	288,618	-3%

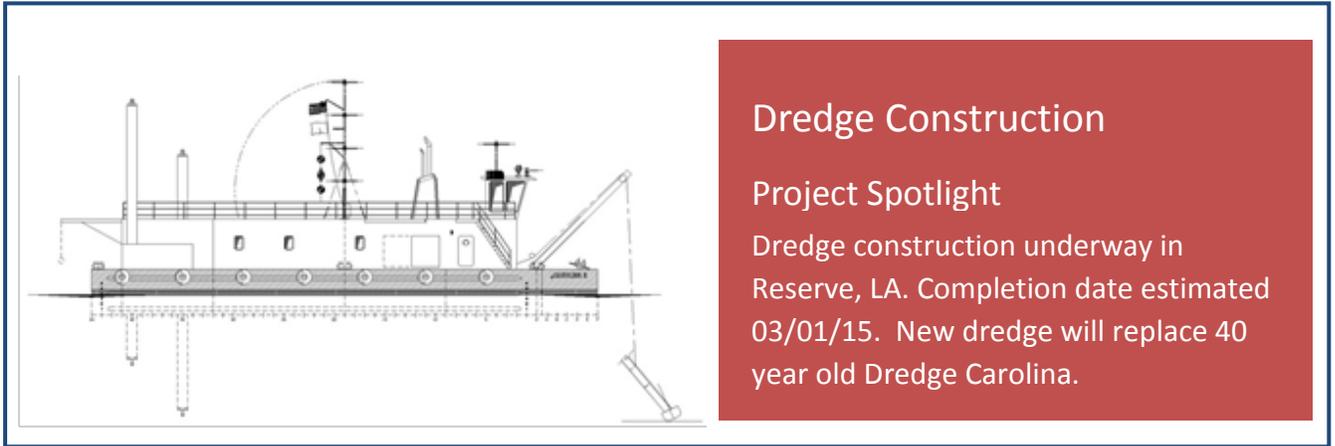
District 1: Hatteras Inlet and Currituck – Knotts Island

District 2: Bayview – Aurora, Cherry Branch – Minnesott and Southport – Fort Fisher

District 3: Swan Quarter – Ocracoke and Ocracoke – Cedar Island*

***Presented in this manner to avoid separating a route between districts.**

RELIABILITY: Departures	Scheduled	Missed	% Complete
SEPTEMBER 2015	5,878	460	92.2%
Calendar Year to Date	48,824	1,590	96.7%



OTHERS FERRY ACTIVITIES IN PROGRESS:

To expand equipment maintenance cost reporting, NCDOT Ferry will be implementing the SAP Plant Maintenance (PM) module for Ferry equipment. This accounting/maintenance design is similar to the one utilized by other DOT Equipment units. The design will enhance tracking costs specific to each vessel and the installed equipment. The PM solution for Equipment will provide additional tools for identifying and analyzing maintenance and repair trends, fluctuations in fuel consumption, and aid in repair vs. replacement decisions. Training is expected to commence during March, with full implementation by the end of this Fiscal Year.

DIVISION ACTIVITIES AND IN-HOUSE PROJECTS

- The NC Ferry Division has been contracted by Dare Co to perform dredging outside the ferry channel in Hatteras Inlet. This work is being funded by the Shallow Draft Users fund and a local match. Work is anticipated to last 1-2 months.
- On October 21st the Ferry Division presented to the Albamarle RPO. During that meeting a motion was made to consider ferry tolls for the Hatteras/Ocracoke route. The final vote was tabled until their next meeting.
- All routes are operating on the winter schedule.

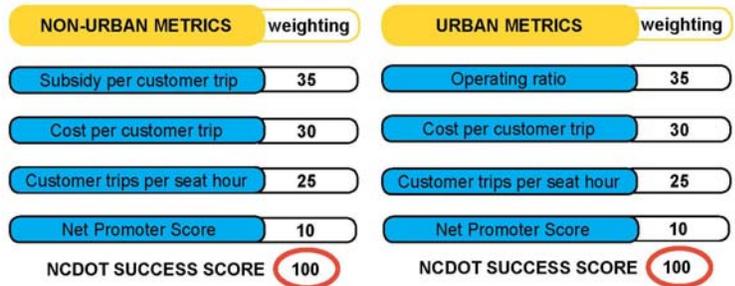


Public Transportation News November 2015

First Performance Awards Given

The **NCDOT Public Transportation Conference: Accelerating Proficiency, Performance, Professionalism** drew more than 210 people from around North Carolina to be engaged in topics such as The Pathway to Performance, FTA Update, Reshaping Community Transportation, 21st Century Engagement, Americans with Disabilities Act, Reshaping Community Transportation and many more.

The first-ever Performance Excellence Awards were also given during an awards ceremony. Awards were given (using the metrics listed to the right) to the first place winners by Category and Peer Groups. Categories recognized were Community Transportation and Urban. The peer groups were created using criteria focused on the best opportunity for success.



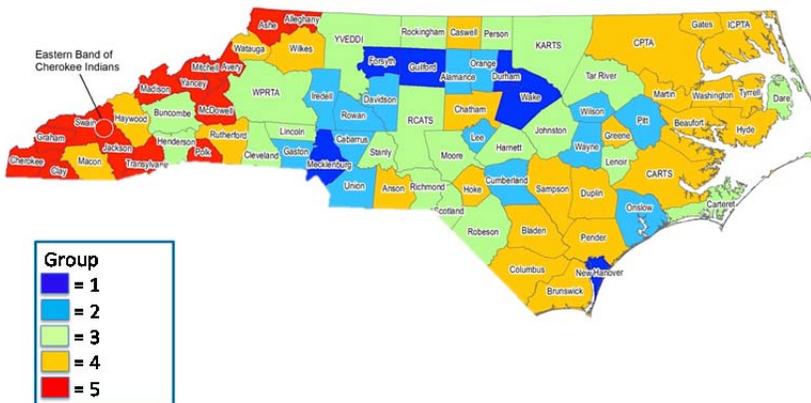
2015 Urban Performance Excellence Award Winners

Peer Group 1
Charlotte (CATS)
Raleigh (CAT)
Chapel Hill (Chapel Hill Transit)
Winston-Salem (WSTA)
Greensboro (GTA)
Durham (DATA)
Asheville (ATA)
Wilmington (Wave Transit)
High Point (HiTran)
Fayetteville (FAST)
NCSU (Woffline)

Peer Group 2	
Gastonia (Gastonia Transit)	Greenville (GREAT)
Rocky Mount (Tar River Transit)	Goldboro (Gateway Transit)
Concord/Kannapolis (CK Rider)	Henderson County (Apple Country Transit)
Cary (C-Tran)	Salisbury (Salisbury Transit System)
Wilson (Wilson Transit)	Jacksonville (Jacksonville Transit)
Western Piedmont Regional Transportation Authority	Burlington

Peer Group 1 – NCSU (11 systems)
Peer Group 2 – Tar River Transit (13 systems)

2015 Community Transportation Performance Excellence Award Winners



Peer Group 1 – Durham County ACCESS (5 systems)
Peer Group 2 – Davidson County Transportation (12 Systems)
Peer Group 3 – Lincoln County Transportation (20 Systems)
Peer Group 4 – AppalCART (25 systems)
Peer Group 5 – Swain County Focal Point on Aging (14 systems)





PTD Activities Underway

October Training:

- Disadvantaged Business Enterprise
- SPOT Online
- Training Conference (October 12-14)
- TDM Innovations III Quarterly Meeting

Meetings Attended:

- Intercity Bus consultation meeting
- ACEC/NCDOT
- NCDOT Research Proposals
- Funding Study Bi-weekly calls
- Connect Our Future
- Wilson and Orange Plans
- Transit Advisory Board meetings
- North South Corridor Study
- Safety Management System (SMS) workgroup

Upcoming:

- DBE training / Urban meeting
- Transportation Leadership Development

Calendar of activities underway:

- Funding Study alternatives / implementation planning
- Scheduling DBE trainings for transit systems – construction projects and a requirements overview
- Issue FY 17 Call for projects – 5310, 5311, 5339
- Issue 5311F – Intercity Bus – request for proposal for services
- Distribute FY 2016 state program funds – December BOT items
- Finalize planning activities – statewide strategic plan, planning scopes for Community Transportation systems, MPO performance based planning requirements
- Launch Safety Management System Review project

2015 Accelerating Proficiency, Performance, Professionalism October 12-14, 2015



More than 210 NC transit professionals joined us October 12-14 in Raleigh. Dr. Yvette Taylor (FTA Region IV Administrator), Keith Weatherly (NCDOT Deputy Secretary for Transit), Chris Chung (CEO, Economic Development Partnership of NC), Mark Aesch (CEO, TransPro), Dan Burden and many others engaged us by sharing their passion and knowledge.



PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT

NCDOT RAIL DIVISION for the Month of AUGUST 2015

Ridership

	FFY15 AUG	FFY14 AUG	Δ	FFY15 YTD	FFY14 YTD	Δ
Carolinian	27,845	29,823	-7%	277,266	280,391	-1%
Piedmont	12,948	14,867	-13%	149,190	157,167	-5%
Total	40,793	44,690	-9%	426,456	437,558	-3%
# of Trains	Average number of passengers per train			FFY15 AUG	FFY14 AUG	Δ
62	Carolinian			449	481	-7%
122	Piedmont			106	120	-11%

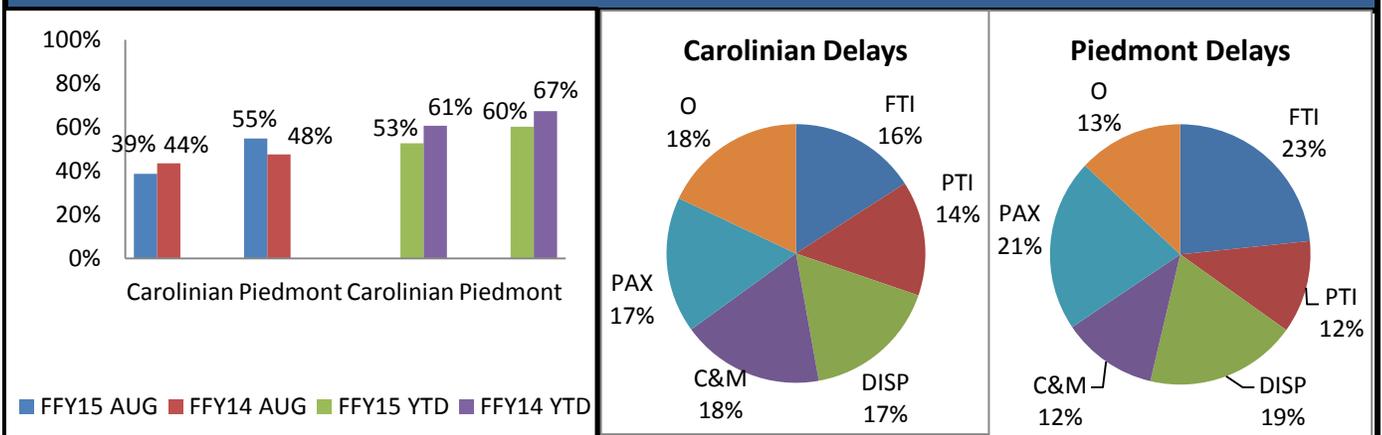
Revenue

	FFY15 AUG	FFY14 AUG	Δ	FFY15 YTD	FFY14 YTD	Δ
Carolinian	\$1,897,949	\$2,140,850	-11%	\$17,896,625	\$17,806,380	1%
Piedmont	\$256,499	\$294,911	-13%	\$3,045,455	\$3,130,927	-3%
Total	\$2,154,448	\$2,435,761	-12%	\$20,942,080	\$20,937,307	0%

Amenities	Mo. Surcharge	\$17,707	Mo. Expense	\$2,092	Mo. Surplus	\$15,614
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***August 2015 service modifications and annulments impacted four Piedmont trains due to PIP construction.** On August 31, two trains, 74 and 75, were annulled. Also on August 31, 73 terminated in Salisbury with connecting bus service to Kannapolis and Charlotte, and 76 originated in Salisbury, with connecting bus service from Charlotte and Kannapolis. In 2014, there were no annulments in August. Looking ahead: Four to five service disruptions impacting midday trains are expected between September and December 2015. Gasoline prices in August, 2015 averaged \$2.53/gallon and \$3.48/gallon in August, 2014 (EIA Weekly Retail Gasoline for Lower Atlantic region).

On-time Performance



*Carolinian and Piedmont delays were 7,827 and 3,198 minutes, respectively. FTI - Freight Train Interference; PTI - Passenger Train Interference; DISP - Dispatch Related; C&M - Construction, Maintenance; PAX - Any Passenger Related; O - All Other Delays (e.g. weather, mechanical). Carolinian trains arriving within 20 minutes and Piedmont trains within 10 minutes of schedule are considered on time.

Overall Customer Satisfaction

	FFY15 JULY	FFY14 YEAR-END	Δ
Carolinian	66%	75%	-9%
Piedmont	88%	88%	0%

*The customer satisfaction index (eCSI) is calculated from rider survey data conducted on line and is for one month prior to the current report month. Overall satisfaction is defined as average scores greater than or equal to 80. Customer satisfaction goals for FFY 2014 were 82% for the Carolinian and 92% for the Piedmont; and for FFY 2015 are 79% for the Carolinian and 90% for the Piedmont. Overall July eCSI for all Amtrak services was 75%.

North Carolina City Pairs with Largest Ridership

	Carolinian	Piedmont
1	Charlotte - Raleigh	Charlotte - Raleigh
2	Raleigh - Washington	Charlotte - Cary
3	Charlotte - New York	Charlotte - Greensboro
4	New York - Raleigh	Charlotte - Durham
5	Greensboro - Washington	Greensboro - Raleigh
6	Charlotte - Durham	Durham - Greensboro
7	New York - Wilson	Cary - Greensboro
8	Charlotte - Washington	Charlotte - HighPoint
9	Durham - New York	Cary - Durham
10	Greensboro - New York	Burlington - Charlotte

*Of the ten city pairs with the highest ridership, from the previous FFY month Greensboro - New York had the largest increase of 18% and Charlotte - Washington the largest decrease of 12% for the Carolinian; Charlotte - High Point had the largest increase of 14% and Charlotte - Raleigh the largest decrease of 18% for the Piedmont.

Carolinian and Piedmont Total Ons-Offs at North Carolina Stations

	FFY15 AUG	FFY14 AUG	Δ
Charlotte	13,482	15,269	-12%
Raleigh	9,958	11,018	-10%
Greensboro	8,600	9,647	-11%
Durham	6,884	7,526	-9%
Cary	5,193	5,697	-9%
Wilson	2,944	3,188	-8%
High Point	2,679	2,858	-6%
Burlington	2,178	2,554	-15%
Rocky Mount	1,838	2,136	-14%
Salisbury	1,811	2,127	-15%
Kannapolis	1,605	1,728	-7%
Selma-Smithfield	739	928	-20%

*The values represent passenger ons and offs at North Carolina stations for only state-supported routes and do not include those of other Amtrak services. The values should not be construed as total ridership.

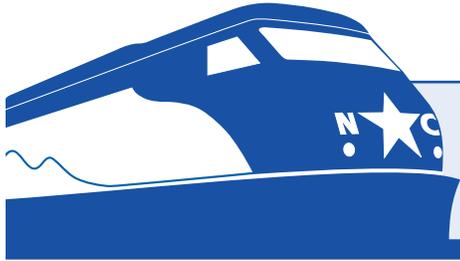
North Carolina Train Host Association

	FFY15 AUG	FFY15 YTD
Train Host Volunteer Hours	1,117	11,661



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NCDOT Rail Division

The Rail Report



November 2015



Great Smoky Mountains Railroad, NCDOT and Local Planning Officials Discuss Improvements and Economic Development Opportunities

In October, the Rail Planning Branch met with representatives of the Great Smoky Mountains Railroad (GSMR), the N.C. Board of Transportation, and Southwest Rural Planning Organization in Bryson City to review recent improvements to the line and discuss economic development opportunities. Great Smoky Mountains Railroad is a heritage railroad that primarily operates passenger excursions in scenic Jackson and Swain counties. NCDOT has partnered with GSMR to provide funding for improvements to the line including bridge and tunnel maintenance, switch and crosstie replacements, and crossing safety upgrades.



Final 2014 crossties await installation

At the time of the meeting, GSMR workers were installing the final 40 crossties for a track upgrade project funded through the Short Line Infrastructure Assistance Program in 2014. Freight Rail & Rail Crossing Safety (FRRCSI) program funds were recently used to provide matching funds for upgrades to the at-grade crossing surface on Governors Island Road.

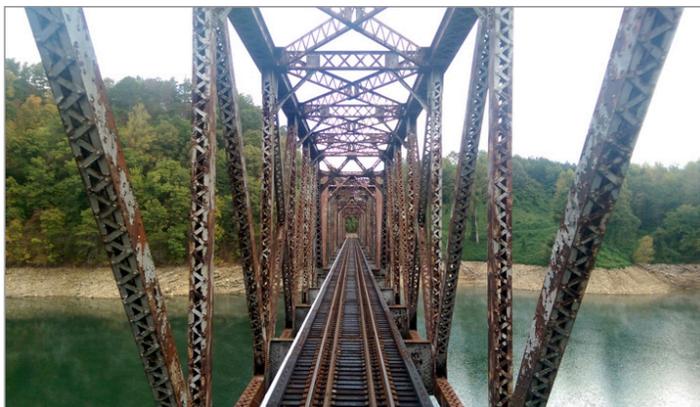


Improved Governor's Island Rd. Crossing



Restoration of the Consolidation #1702 underway

Until 2004, the Great Smoky Mountains Railroad operated the historic Consolidation #1702 steam engine on their excursions. Partnering with Swain County, GSMR is currently restoring the #1702 locomotive which was originally built in the 1940s. To accommodate its use, a turn table was recently constructed in Bryson City allowing the locomotive to be quickly turned around in preparation for the next journey. So far in 2015 GSMR has experienced a 20% increase in customers over the previous year and many future improvements have been identified to continue growing the business which is central to the tourism economy of the area. Great Smoky Mountains Railroad connects Bryson City with Asheville via the Blue Ridge Southern Railroad. Although there is no freight customer currently occupying the roughly 53 mile line between Dillsboro and Andrews, GSMR is equipped with 4 diesel locomotives and has experience handling freight. Sticks of rail and other track material for upcoming upgrades to sections of curved track will be imported by GSMR via rail. NCDOT continues to support GSMR in their efforts to preserve this historic corridor and return rail freight traffic to the region.



Past projects have included funds to re-deck bridges



Bryson City Turntable



Short Line Infrastructure Assistance Program Call for Applications

The North Carolina Department of Transportation is soliciting applications for the 2016 Short Line Infrastructure Assistance Program (SIAP). This program provides state grants to assist short line railroads in the upgrade and modernization of their track and infrastructure.

Funded through the Freight Rail & Rail Crossing Safety Improvement Program (FRRCSI) authorized by the 2015 session of the North Carolina General Assembly, approximately \$1 million will be available for SIAP grants to short line railroads in Fiscal Year 2016. Grant awards are based on need and the project's economic and transportation benefits to North Carolina.

Eligible projects include track and structure rehabilitation, improvements, and new construction, as well as engineering inspection of railroad bridges. NCDOT is focusing this round of FRRCSI on bridge rehabilitation and related improvements. Grant funding may also be used to help defray the costs of preparing or obtaining Railroad Rehabilitation and Improvement Financing loans from the Federal Railroad Administration. Applications are due by 5:00pm on November 10, 2015.

In addition, the Rail Division has identified rail crossing safety projects statewide totaling approximately \$1.8 million for closures and surface improvements.

The FRRCSI program of projects for 2016 will be recommended to the Board of Transportation at their December 2015 meeting.



Mr. Drew Thomas, Rail Division Data Analysis & Inventory Manager, presents on the past and future of passenger rail service in Western North Carolina at the Mountain Gateway Museum's Historical Railroad Exhibit in Old Fort on September 19, 2015.

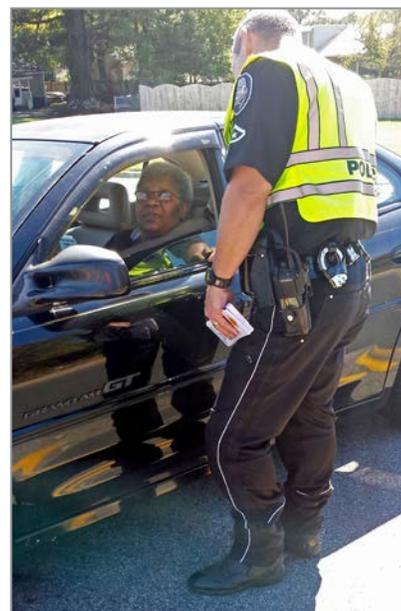
NCDOT and Operation Lifesaver Teach Pedestrians and Motorists about Rail Safety at Crossing Blitz in Greensboro



The N.C. Department of Transportation's BeRailSafe education initiative has teamed up with rail safety advocacy group North Carolina Operation Lifesaver and the Greensboro Police Department to educate motorists and pedestrians about rail safety.

A Crossing Safety Blitz was held on Wednesday, Oct. 7, on Gillespie Street near the railroad tracks in downtown Greensboro. Representatives from all three organizations distributed safety tips to an estimated 1,000 pedestrians and motorists.

There have been more than 20 train-related fatalities and 88 injuries in North Carolina since January. The high number of injuries resulted in part from a train derailment caused by a train striking an oversized-load tractor trailer in Halifax County in March. Last year, there were 26 fatalities and 33 injuries in the state.



"The City of Greensboro is dedicating resources, time and energy to making a positive impact on the issue of rail trespassing," said N.C. Operation Lifesaver state coordinator Margaret Cannell. "It's an ongoing issue that I believe can be improved through the help of our Guilford County residents."

"The tragedy of one train-related death, whether it's from a person trespassing or a motor vehicle crash, has a significant impact on the railroad and the community it serves," said NCDOT Rail Division Director Paul Worley. "We are pleased to collaborate with partners like N.C. Operation Lifesaver and campus police departments to focus efforts towards prevention."



Hop on Board the Piedmont to the Carolina Panthers Games

The *Piedmont* train schedule coincides with the remaining 1 p.m. home games this season:

November 8, November 22, December 13, January 3



North Carolina's Amtrak provides a convenient way to watch the Carolina Panthers play, without the hassle of driving and parking.

Piedmont 73 departs the Raleigh Amtrak station at 7 a.m. on game days with stops in Cary, Durham, Burlington, Greensboro, High Point, Salisbury and Kannapolis before pulling into the Charlotte Amtrak Station at 10:10 a.m. This arrival time leaves plenty of opportunity for grabbing a bite to eat or checking out the tailgating scene prior to the 1 p.m. game!

Visit www.ncbytrain.org for details on transportation between the Charlotte Amtrak Station and the stadium and to book your ticket.

Kick off the Holiday Season on North Carolina's Amtrak Santa Trains

Santa will make a special appearance on the mid-day *Piedmont* Trains on Saturday, December 5. NCDOT is offering a Santa Train Excursion from both the Raleigh and Charlotte stations.



From Raleigh: Santa Train

Raleigh travels to Greensboro and back with a brief layover. To get on board, book a seat on the *Piedmont* #75 departing Raleigh at 11:45 a.m., and a return trip on the *Piedmont* #74 departing Greensboro at 1:34 p.m. and arrive back in Raleigh at 3:11 p.m.

From Charlotte: Santa Train Charlotte travels to High Point and back with a brief layover. To get on board, book a seat on the *Piedmont* #74 departing Charlotte at noon, and a return trip on the *Piedmont* #75 departing High Point at 1:34 p.m. and arrive back in Charlotte at 2:55p.m.

Visit ncbytrain.org to purchase your tickets today, and enjoy visiting with Santa on board the trains.

Ridership & Revenue on NC's Amtrak Service – *August 2015 vs. 2014

Icon: People and Money	RIDERSHIP			REVENUE		
	2015	2014	% +/-	2015	2014	% +/-
Piedmont	12,948	14,867	-13%	\$256,499	\$294,911	-13%
Carolinian	27,845	29,823	-7%	\$1,897,949	\$2,435,761	-11%

*August 2015 service modifications and annulments impacted four *Piedmont* trains due to PIP construction. On August 31, two trains, 74 and 75, were annulled. Also on August 31, 73 terminated in Salisbury with connecting bus service to Kannapolis and Charlotte, and 76 originated in Salisbury, with connecting bus service from Charlotte and Kannapolis. In 2014, there were no annulments in August. Looking ahead: Four to five service disruptions impacting midday trains are expected between September and December 2015. Gasoline prices in August, 2015 averaged \$2.53/gallon and \$3.48/gallon in August, 2014 (EIA Weekly Retail Gasoline for Lower Atlantic region).



Out and About with North Carolina's Amtrak

NCDOT and Rail Staff have been out spreading the word about North Carolina's passenger train service.

- Bluegrass Wide Open, Raleigh
- NC State Fair
- The National Folk Festival, Greensboro
- Lexington Barbecue Festival
- Hamlet Seaboard Festival
- Lazy Daze Festival, Cary
- Cary Scavenger Hunt
- Queen City Battle of the Bands
- Caniac Carnival for Carolina Hurricanes
- Carolina Hurricanes Hockey games
- Neuse River Model Railroad Show
- UNC Charlotte Transportation Fair
- NC State Fan Zone
- Duke University Rec Fest
- Durham Bulls games
- Carolina Mudcats games
- Kannapolis Intimidators games
- Charlotte Knights games
- Greensboro Grasshoppers Playoff Game

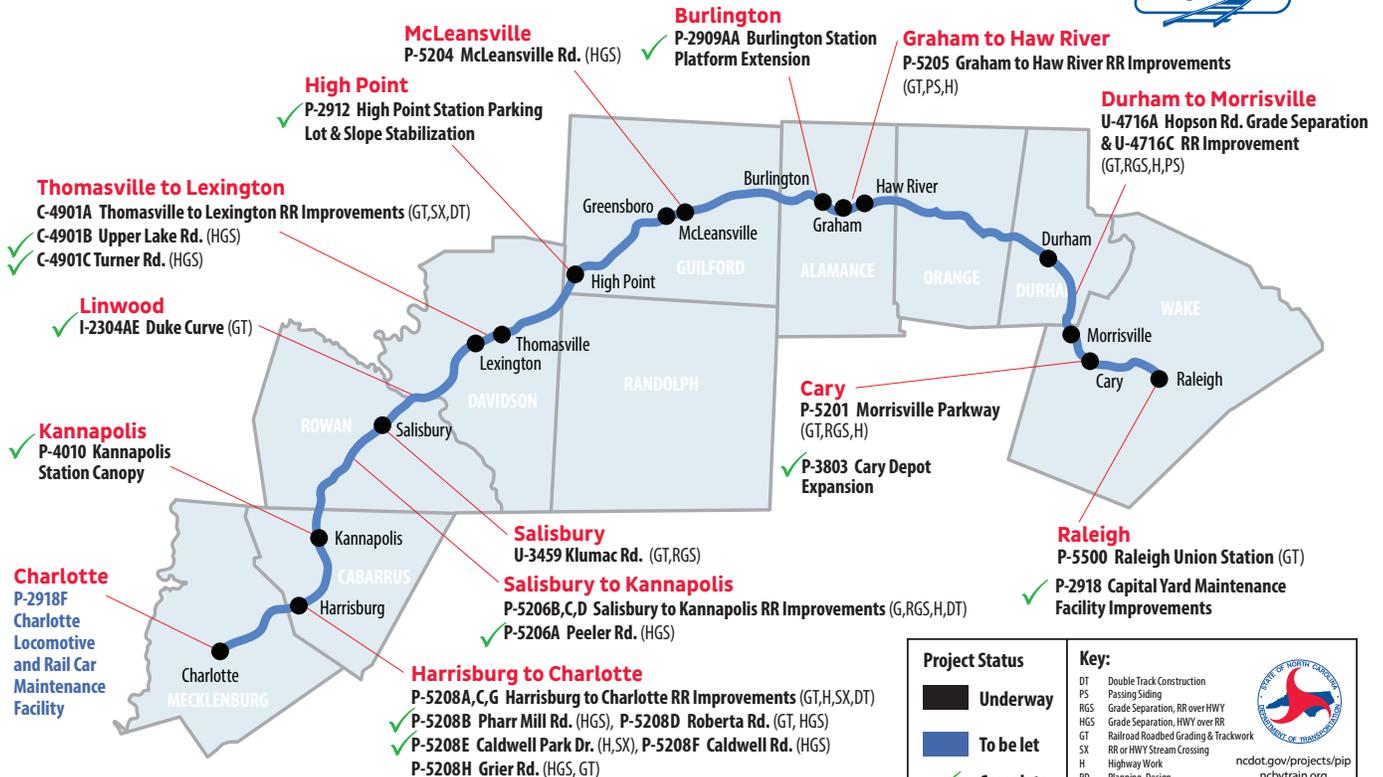


1,117



Hours Volunteered by N.C. Train Hosts in August, supporting North Carolina's Amtrak onboard trains and at events.

Piedmont Improvement Program – October 2015 Status Report



Spent to Date of \$520M (eff. 9/30/2015)

Component	Expenditure
PD&A/ROW	\$47,923,577
Equipment Procurement & Rebuild	\$26,933,812
Stations & Facilities	\$38,333,581
Track & Structures	\$ 206,948,046
CRISP	\$2,180,376
Program Totals	\$322,319,392

Five new contracts totaling \$22,992 were awarded in September.

Commitments to Date of \$520M (eff. 9/30/2015)

Current Commitments		\$471M
Pending Commitments	Anticipated Date	\$42.7M
Charlotte Maintenance Facility Construction	3/16	\$33M
PIDS Construction	1/16	\$1.5M
PD&A	Through '16	\$8.2M
Balance		\$6.3M

PIP Milestones



Graham to Haw River – Cut-in of approximately 3/4 of a mile of mainline track in two locations at Graham to Haw River siding. These cut-ins will allow completion of the siding off-line without future disruption to railroad operations until the siding goes into service.

China Grove – An approximately 1/3 mile curve improvement was cut-in on September 28, 2015 that increased the track speed from 65 mph to 79 mph. This curve is part of the 10-mile Reid to North Kannapolis double track project between Salisbury and Kannapolis.

Piedmont Improvement Program and Congestion Mitigation Project Photos

September 2015



Congestion Mitigation Project, CP Enfield complete



P-5201 Morrisville Parkway, bridge construction



U-4716 Nelson to Clegg Passing Siding, final phase grading



P-5205 Graham to Haw River Passing Siding, track construction



C-4901 Bowers to Lake, paving



U-3459 Klumac Road, final track construction

Piedmont Improvement Program Project Photos

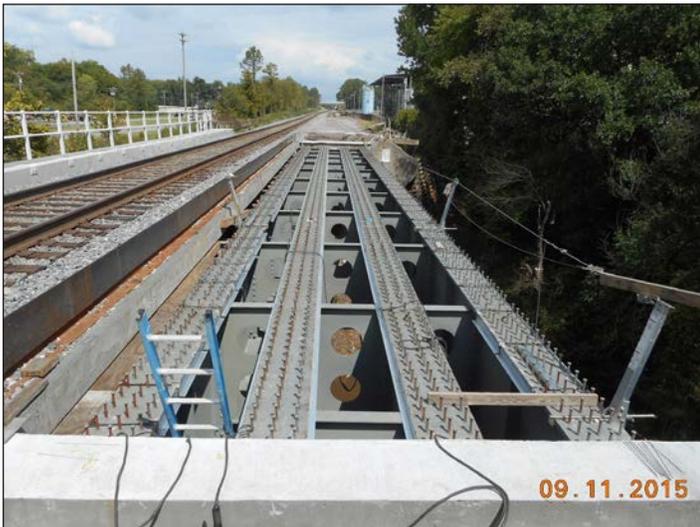
September 2015



P-5206 Reid to North Kannapolis, Peeler Road Bridge open to traffic



P-5206 Reid to North Kannapolis



P-5208A Haydock to Junker, Rocky River Bridge Construction



P-5208 Haydock to Junker, Mallard Creek, railroad bridge construction at Mallard Creek



P-5208 Haydock to Junker, arch culvert construction



P-5500C Tryon Siding, track construction



ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

BOARD OF TRANSPORTATION NOVEMBER 4, 2015

TIME: 3:00 PM

LOCATION: 160

TOPIC	PRESENTER	TIME
Martin Gambill - Bridge on Farmers Fish Camp Road (NC 1345) over the New River, Alleghany County , Div 11 (Palermo)	Leigh Wing	5 min
Other Business	Leigh Wing	10 min