



MEETING AGENDA
Monthly Meeting of the North Carolina Board of Transportation
1 South Wilmington Street Raleigh, North Carolina 27601
October 7-8, 2015

WEDNESDAY, OCTOBER 7, 2015

10:30AM – 12:00PM

Multi-Modal Committee	EIC
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11:00AM – 12:00PM

Highway Committee	Room 150
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12:00PM LUNCH IS AVAILABLE

12:00PM – 12:15PM BREAK

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

• Chief Financial Officer Update	David Tyeryar
• Product Evaluation Program Awareness	Jimmy Travis
• P3.0 STIP Amendment Update	Calvin Leggett

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

Audit Committee	Room 160
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3:30PM – 4:00PM

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

General Meeting Time	Various Locations
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NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

- Call to Order
- Invocation
- Ethics Declaration
- Approval of September Board Meeting Minutes

Chairman Curran
 Malcolm Fearing
 Chairman Curran
 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

Legislative Update
 Performance Metrics Overview

Bobby Lewis
 Ehren Meister

ACTION

Chairman Curran

Approval of Projects

- (Item G) Additions and Abandonments 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) TIP Amendments
 (Item O) Municipal and Special Agreements
 (Item R) Right of Way Resolutions and Ordinances
 (Item S) Recommended Allocation of Highway Maintenance Appropriations
 Fiscal Year 2015 – 2016 Supplemental Allocation

Committee Reports

Chairman Curran

Other Business

Adjourn

PROJECTS LIST
NORTH CAROLINA BOARD OF TRANSPORTATION
RALEIGH, NORTH CAROLINA
October 7 - 8, 2015

Delegated Authority Secretary Tennyson

- (Item C) Award of Highway Construction Contracts from September 15, 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 R) Right of Way Resolutions and Ordinances
- (Item S) Recommended Allocation of Highway Maintenance Appropriations
Fiscal Year 2015 – 2016 Supplemental Allocation

NCDOT Board of Transportation Agenda

ITEM C

September 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.
SEPTEMBER 15, 2015
DIVISION 00002

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C203745
50070.3.31
BRSTP-0070(191)
CRAVEN
BP-5500FF

PROPOSAL LENGTH 2.760 MILES

TYPE OF WORK BRIDGE PRESERVATION.

LOCATION BRGS #83 & #84 ON US-70 AND BRG #222 ON NC-55/US-17 OVER TRENT RIVER AND BRG #231 ON NC-55/US-17 OVER NEUSE RIVER.

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

RPN 001 2 BIDDER(S) DBE GOAL 3.00 %
ESTIMATE 3,834,804.25

DATE AVAILABLE MAR 01 2016

FINAL COMPLETION JUN 15 2016

	\$ TOTALS	% DIFF
RAM CONSTRUCTION SERVICES OF MICHIGAN INC LIVONIA, MI	3,824,239.57	-0.3
AMERICAN CONTRACTING & SERVICES INC JEFFERSONVILLE, IN	4,134,909.08	+7.8

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
SEPTEMBER 15, 2015
DIVISION 00002

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C203757
2016CPT.02.04.10741.2
STATE FUNDED
PITT

PROPOSAL LENGTH 6.018 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION 1 SECTION OF US-13 FROM NC-903 TO SR-1512, 1 SECTION OF NC-903 FROM US-13 TO RR CROSSING.

EST CONST PROGRESS.... FY-2016..89% OF BID
FY-2017..11% OF BID

RPN 002 3 BIDDER(S) MBE GOAL 4.00 % WBE GOAL 1.00%
ESTIMATE 3,603,205.20

DATE AVAILABLE NOV 02 2015

FINAL COMPLETION AUG 31 2016

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	3,289,197.20	-8.7
S. T. WOOTEN CORPORATION WILSON, NC	3,295,954.66	-8.5
ROSE BROTHERS PAVING CO INC AHOSKIE, NC	3,361,165.90	-6.7

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
SEPTEMBER 15, 2015
DIVISION 00003

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C203755
2016CPT.03.03.10651, 41867.3.2
STATE FUNDED, STPNHS-0421(46)
NEW HANOVER
W-5103A

PROPOSAL LENGTH 8.245 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING & SIGNALS.

LOCATION US-421 FROM BRIDGE #30 TO NORTH OF GEORGE ANDERSON DRIVE.

EST CONST PROGRESS.... FY-2016..56% OF BID
FY-2017..44% OF BID

RPN 003 2 BIDDER(S) DBE GOAL 14.00 %
ESTIMATE 12,580,142.19

DATE AVAILABLE OCT 26 2015

INTER COMPLETION MAY 25 2017 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
MAR 11 2016 COMPLETE INSTALLATION OF SIGNAL SYSTEM AT INTERSECTION OF US
421 & SR 1276
JUN 01 2016 COMPLETE L-1 NB FROM STA. -L1- 90+07 TO 124+00 & SB FROM -L1- 94+00
TO 124+00, Y-68 & Y-69

FINAL COMPLETION NOV 21 2017

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	12,641,948.72	+0.5
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	14,195,283.13	+12.8

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
SEPTEMBER 15, 2015
DIVISION 00009

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C203652
44105.3.FD1
HSIP-1221(18)
ROWAN
W-5516

PROPOSAL LENGTH 2.390 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING & STRUCTURES.

LOCATION SR-1221 (OLD BEATTY FORD RD) FROM SR-1210/SR-1221 TO SR-1337 (LANTZ RD).

EST CONST PROGRESS.... FY-2016..55% OF BID
FY-2017..45% OF BID

RPN 004 10 BIDDER(S) DBE GOAL 14.00 %
ESTIMATE 11,117,562.89

DATE AVAILABLE OCT 26 2015

INTER COMPLETION JUN 15 2017 COMPLETE ALL WORK EXCEPT FOR PLANTING, REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
MAY 01 2017 COMPLETE ALL WORK REQUIRED OF PHASE I, STEP #1 THRU PHASE III,
STEP #2

FINAL COMPLETION DEC 12 2017

	\$ TOTALS	% DIFF
SMITH-ROWE, LLC MOUNT AIRY, NC	10,276,446.41	-7.6
MOUNTAIN CREEK CONTRACTORS INC NORTH CHARLESTON, SC	10,742,081.60	-3.4
HAYMES BROTHERS, INC. CHATHAM, VA	10,893,094.90	-2.0
E.S. WAGNER COMPANY, LLC - SOUTH CA PIEDMONT, SC	10,946,240.75	-1.5
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	11,254,953.75	+1.2
BLYTHE DEVELOPMENT CO. CHARLOTTE, NC	11,546,846.66	+3.9
THE LANE CONSTRUCTION CORP CHESHIRE, CT	11,616,439.24	+4.5
JIMMY R. LYNCH & SONS, INC. PILOT MOUNTAIN, NC	11,972,392.40	+7.7
ZACHRY CONSTRUCTION CORPORATION SAN ANTONIO, TX	13,359,483.19	+20.2
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	13,370,242.28	+20.3

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
SEPTEMBER 15, 2015
DIVISION 00011

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NOTE: THIS PROPOSAL COULD BE BID SEPARATELY OR IN COMBINATION WITH ONE OTHER PROPOSAL(S)

C203593
34518.3.6
STATE FUNDED
ASHE, WATAUGA
R-2915A

PROPOSAL LENGTH 2.841 MILES

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

LOCATION US-221 FROM US-421 IN WATAUGA COUNTY TO SR-1003 (IDLEWOOD RD) IN ASHE COUNTY.

EST CONST PROGRESS.... FY-2016..08% OF BID
FY-2017..34% OF BID
FY-2018..26% OF BID
FY-2019..20% OF BID
FY-2020..12% OF BID

RPN 005 3 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 8.00%
ESTIMATE 27,840,772.57

DATE AVAILABLE APR 01 2016
INTER COMPLETION JUN 01 2020 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION NOV 27 2020

	\$ TOTALS	% DIFF
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	27,740,430.25	-0.4
W. C. ENGLISH, INC. LYNCHBURG, VA	33,856,996.98	+21.6
MAYMEAD, INC. MOUNTAIN CITY, TN	35,636,191.70	+28.0

**** THIS PROJECT IS NOT PART OF THE LOW BID ****

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
SEPTEMBER 15, 2015
DIVISION 00011

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NOTE: THIS PROPOSAL COULD BE BID SEPARATELY OR IN COMBINATION WITH ONE OTHER PROPOSAL(S)

C203594
34518.3.7
STATE FUNDED
ASHE
R-2915B

PROPOSAL LENGTH 1.769 MILES

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

LOCATION US-221 FROM SR-1003 (IDLEWOOD RD) TO NORTH OF SOUTH FORK NEW RIVER.

EST CONST PROGRESS.... FY-2016..08% OF BID
FY-2017..34% OF BID
FY-2018..26% OF BID
FY-2019..20% OF BID
FY-2020..12% OF BID

RPN 006 3 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 8.00%
ESTIMATE 23,131,115.36

DATE AVAILABLE APR 01 2016
INTER COMPLETION JUN 01 2020 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION NOV 27 2020

	\$ TOTALS	% DIFF
JAMES R. VANNOY & SONS CONSTRUCTION COMPANY, INC JEFFERSON, NC	22,179,802.47	-4.1
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	22,507,807.97	-2.7
VECELLIO & GROGAN INC BECKLEY, WV	25,895,556.50	+12.0

**** THIS PROJECT IS NOT PART OF THE LOW BID ****

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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RALEIGH N.C.
SEPTEMBER 15, 2015
DIVISION 00011

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NOTE: THIS PROPOSAL IS A COMBINATION OF THE ABOVE TWO PROPOSALS, ALLOWING THE CONTRACTOR THE OPTION OF BIDDING THE WORK SEPARATELY AND/OR COMBINED

C203758
34518.3.6, 34518.3.7
STATE FUNDED
ASHE, WATAUGA
R-2915A, R-2915B

PROPOSAL LENGTH 4.610 MILES

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

LOCATION US-221 FROM US-421 IN WATAUGA COUNTY TO NORTH OF SOUTH FORK NEW RIVER.

EST CONST PROGRESS.... FY-2016..08% OF BID
FY-2017..34% OF BID
FY-2018..26% OF BID
FY-2019..20% OF BID
FY-2020..12% OF BID

RPN 007 6 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 8.00%
ESTIMATE 50,525,443.67

DATE AVAILABLE APR 01 2016
INTER COMPLETION JUN 01 2020 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION NOV 27 2020

	\$ TOTALS	% DIFF
JAMES R. VANNOY & SONS CONSTRUCTION COMPANY, INC JEFFERSON, NC	46,450,521.25	-8.1
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	48,605,737.85	-3.8
GLF CONSTRUCTION CORPORATION MIAMI, FL	57,059,633.60	+12.9
W. C. ENGLISH, INC. LYNCHBURG, VA	57,940,715.14	+14.7
VECELLIO & GROGAN INC BECKLEY, WV	61,678,545.61	+22.1
BRANCH HIGHWAYS, INC. ROANOKE, VA	62,213,130.42	+23.1

**** THIS IS A COMBINATION BID AND IS THE LOW BID ****

***** SUMMARY OF LOW BID TOTAL FOR THE ABOVE COMBINATION *****

		INDIVIDUAL LOW BID	COMBINATION LOW BID
C203593	RPN 005	27,740,430.25	
C203594	RPN 006	22,179,802.47	

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
SEPTEMBER 15, 2015

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***** SUMMARY OF LOW BID TOTAL FOR THE ABOVE COMBINATION *****

		INDIVIDUAL LOW BID	COMBINATION LOW BID
C203758	RPN 007		46,450,521.25
	TOTALS	49,920,232.72	46,450,521.25

(NOTE: "RPN" IS AN ABBREVIATION FOR "REVISED PROJECT NUMBER".
EACH PROJECT IS ASSIGNED AN RPN FOR DATA PROCESSING.)

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
SEPTEMBER 15, 2015
DIVISION 00011

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C203580
36001.3.2
STATE FUNDED
WILKES
R-2603

PROPOSAL LENGTH 3.496 MILES

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

LOCATION NC-268 FROM MULTI-LANES EAST OF NC-18 TO SR-1966.

EST CONST PROGRESS.... FY-2016..07% OF BID
FY-2017..40% OF BID
FY-2018..30% OF BID
FY-2019..19% OF BID
FY-2020..04% OF BID

RPN 008 7 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 8.00%
ESTIMATE 24,219,396.50

DATE AVAILABLE MAY 02 2016
INTER COMPLETION OCT 01 2019 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION MAR 27 2020

	\$ TOTALS	% DIFF
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	25,918,247.37	+7.0
SMITH-ROWE, LLC MOUNT AIRY, NC	27,395,258.30	+13.1
GLF CONSTRUCTION CORPORATION MIAMI, FL	29,778,108.26	+23.0
BLYTHE DEVELOPMENT CO. CHARLOTTE, NC	29,874,696.40	+23.4
BRANCH HIGHWAYS, INC. ROANOKE, VA	31,532,227.88	+30.2
VECELLIO & GROGAN INC BECKLEY, WV	32,075,155.29	+32.4
JAMES R. VANNOY & SONS CONSTRUCTION COMPANY, INC JEFFERSON, NC	32,087,563.72	+32.5

ESTIMATE TOTAL	105,880,554.70	
LETTING TOTAL	102,400,600.52	-3.3

NCDOT October 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

Project Development and Environmental Analysis – Human Environment

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Historic Architectural and Landscape Analyses on an as needed basis for various federal-aid and state funded projects to support the Project Development and Environmental Analysis Unit. These contracts will expire two (2) years (with a possible one (1) year extension) after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	ACME Preservation Services, LLC, Asheville, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	AECOM Technical Services of North Carolina, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Cardno, Inc., Charlotte, NC
Maximum Engineering Fee:	\$100,000.00
SPSF Utilization:	Edwards- Pitman Environmental, Inc. \$40,000.00 40%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Commonwealth Cultural Resources Group, Inc., Tarboro, NC
Maximum Engineering Fee:	\$300,000.00
SPSF Utilization:	100%

October 8, 2015

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Cultural Resource Analysts, Inc., Lexington, KY
Maximum Engineering Fee:	\$300,000.00
SPSF Utilization:	100%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Dovetail Cultural Resource Group, Inc., Fredericksburg, VA
Maximum Engineering Fee:	\$300,000.00
DBE/WBE/SPSF Utilization:	100%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Environmental Corporation of North Carolina, Inc., Asheville, NC
Maximum Engineering Fee:	\$100,000.00
SPSF Utilization:	100%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Environmental Services, Inc., Raleigh, NC
Maximum Engineering Fee:	\$100,000.00
SPSF Utilization:	100%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Johnson, Mirmiran & Thompson, Inc., Virginia Beach, VA
Maximum Engineering Fee:	\$100,000.00
SPSF Utilization:	0%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	The Louis Berger Group, Inc., Raleigh, NC
Maximum Engineering Fee:	\$100,000.00
SPSF Utilization:	0%
Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Mattson, Alexander and Associates, Inc., Charlotte, NC
Maximum Engineering Fee:	\$500,000.00
DBE/WBE/SPSF Utilization:	100%

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	MdM Historical Consultants, Inc., Durham, NC
Maximum Engineering Fee:	\$300,000.00
DBE/WBE/SPSF Utilization:	100%

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Mulkey, Inc., Raleigh, NC
Maximum Engineering Fee:	\$300,000.00
SPSF Utilization:	100%

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Sand County Studios, Smyrna, GA
Maximum Engineering Fee:	\$100,000.00
SPSF Utilization:	0%

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	New South Associates, Inc., Stone Mountain, GA
Maximum Engineering Fee:	\$500,000.00
DBE/WBE/SPSF Utilization:	100%

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	S&ME, Inc., Raleigh, NC
Maximum Engineering Fee:	\$300,000.00
SPSF Utilization:	0%

Description of Work:	2015 Historic Architectural and Landscape Analyses LSC
Firm:	Vaughn & Melton Consulting Engineers, Asheville, NC
Maximum Engineering Fee:	\$100,000.00
SPSF Utilization:	0%

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 2

Project:	46015.1.1 (B-5301) Pitt County Bridge 87 over the Norfolk Southern Railroad on NC 33
Scope of Work:	Roadway and Hydraulic Design
Estimated Construction Cost:	\$1,950,000.00
Firm:	Sepi Engineering & Construction, Inc., Raleigh, NC
Original Engineering Fee:	\$42,254.47
Supplemental Fee:	\$22,063.45
Supplemental Work:	Roadway and Hydraulic Design due to raising the grade more than 4 feet and reducing the side slope in areas from 3:1 to 2:1
SPSF Utilization:	0%

DIVISION 3

Project:	40191.1.2 (U-4751) New Hanover County Wilmington – New Route from Military Cutoff to the Proposed Wilmington Bypass (R-2405)
Scope of Work:	Roadway and Hydraulic Design
Estimated Construction Cost:	\$85,000,000.00
Firm:	STV/Ralph Whitehead Associates, Charlotte, NC
Original Engineering Fee:	\$808,600.38
Previous Supplemental Fee:	\$120,681.46
Supplemental Fee:	\$ 14,184.18
Supplemental Work:	Additional Roadway and Hydraulic Design
SPSF Utilization:	0%

Transit

Rail

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

STATEWIDE

Description of Work:	Rail Operations and Facilities Design and Management Services
Firm:	Simpson Engineers & Associates, PC, Cary, NC
Maximum Engineering Fee:	\$2,000,000.00
DBE/MBE/SPSF Utilization:	100%

Description of Work:	Rail Operations and Facilities Design and Management Services	
Firm:	Moffatt & Nichol, Inc., Raleigh, NC	
Maximum Engineering Fee:	\$1,500,000.00	
SPSF Utilization:	0%	
Description of Work:	Rail Operations and Facilities Design and Management Services	
Firm:	Parsons Brinckerhoff, Inc., Raleigh, NC	
Maximum Engineering Fee:	\$1,500,000.00	
DBE/WBE/SPSF Utilization:	Mattson, Alexander and Associates, Inc. \$75,000.00 5%	
Description of Work:	Rail Operations and Facilities Design and Management Services	
Firm:	Stantec Consulting Services, Inc., Raleigh, NC	
Maximum Engineering Fee:	\$1,000,000.00	
SPSF Utilization:	Anderson & Associates of Virginia, Inc. \$30,000.00 3%	
DBE/MBE/SPSF Utilization:	Bree & Associates, Inc.	\$30,000.00
DBE/WBE/SPSF Utilization:	Mattson, Alexander and Associates, Inc.	\$30,000.00 3%
Description of Work:	Rail Operations and Facilities Design and Management Services	
Firm:	Gannett Fleming, Inc., Raleigh, NC	
Maximum Engineering Fee:	\$1,000,000.00	
SPSF Utilization:	Thompson Gordon Shook Engineers, Inc. \$50,000.00 5%	
Description of Work:	Rail Operations and Facilities Design and Management Services	
Firm:	AECOM Technical Services of North Carolina, Inc., Raleigh, NC	
Maximum Engineering Fee:	\$1,000,000.00	
DBE/WBE/SPSF Utilization:	CH Engineering, PLLC	\$50,000.00 5%

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for the State Oversight Program of Rail Fixed Guideway Systems on an as needed basis for various federal-aid, Federal Transit Administration Grant and state funded projects to support the Rail Division. This contract will expire 3 years after the date of execution with possible (2) one-year extensions or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

Description of Work:	Provide assistance to the Rail Division for the Implementation of the State Safety Oversight Program for Rail Fixed Guideway Systems
Firm:	ADS System Safety Consulting, LLC, Brookeville, MD
Maximum Fee:	\$1,500,000.00
DBE/MBE Utilization:	100%

Bicycle and Pedestrian

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Bicycle and Pedestrian Planning Studies on an as needed basis for various federal-aid and state funded projects to support the Bicycle and Pedestrian Division. These contracts will expire (3) years after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work:	Bicycle and Pedestrian Planning Studies
Firm:	AECOM Technical Services of NC, Inc., Raleigh, NC
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%

Description of Work:	Bicycle and Pedestrian Planning Studies
Firm:	Alta Planning + Design, Inc., Durham, NC
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%

Description of Work:	Bicycle and Pedestrian Planning Studies
Firm:	Holland Consulting Planners, Inc., Wilmington, NC
Maximum Engineering Fee:	\$200,000.00
SPSF Utilization:	100%

Description of Work:	Bicycle and Pedestrian Planning Studies
Firm:	J. M. Teague Engineering, PLLC, Waynesville, NC
Maximum Engineering Fee:	\$200,000.00
SPSF Utilization:	100%

Description of Work:	Bicycle and Pedestrian Planning Studies
Firm:	Kimley-Horn & Associates, Inc., Cary, NC
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%

Description of Work:	Bicycle and Pedestrian Planning Studies
Firm:	Stantec Consulting Services, Inc., Raleigh, NC
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%

Description of Work:	Bicycle and Pedestrian Planning Studies
Firm:	VHB Engineering NC, PC, Watertown, MA
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Bicycle and Pedestrian Feasibility Studies on an as needed basis for various federal-aid and state funded projects to support the Bicycle and Pedestrian Division. These contracts will expire three (3) years after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work:	Bicycle and Pedestrian Feasibility Studies
Firm:	Kimley-Horn & Associates, Inc., Cary, NC
Maximum Engineering Fee:	\$400,000.00
DBE/MBE/SPSF Utilization:	CMW Design Strategies, PLLC \$40,000.00 10%

Description of Work:	Bicycle and Pedestrian Feasibility Studies
Firm:	AECOM Technical Services of NC, Inc., Raleigh, NC
Maximum Engineering Fee:	\$400,000.00
DBE/WBE/SPSF Utilization:	CH Engineering, PLLC \$40,000.00 10%

Description of Work:	Bicycle and Pedestrian Feasibility Studies
Firm:	Stantec Consulting Services, Inc., Raleigh, NC
Maximum Engineering Fee:	\$400,000.00
DBE/WBE/SPSF Utilization :	Toole Design Group, LLC, \$100,000.00 25%

Description of Work:	Bicycle and Pedestrian Feasibility Studies
Firm:	Stewart Engineering, Inc., Raleigh, NC
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	100%

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Description of Work:	Bicycle and Pedestrian Feasibility Studies
Firm:	VHB Engineering NC, PC, Raleigh, NC
Maximum Engineering Fee:	\$200,000.00
SPSF Utilization:	0%

Description of Work:	Bicycle and Pedestrian Feasibility Studies
Firm:	HNTB of North Carolina, PC, Raleigh, NC
Maximum Engineering Fee:	\$200,000.00
SPSF Utilization:	0%

Description of Work:	Bicycle and Pedestrian Feasibility Studies
Firm:	A. Morton Thomas & Associates, Raleigh, NC
Maximum Engineering Fee:	\$200,000.00
SPSF Utilization:	0%

Technical Services

Photogrammetry

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Aerial Imaging Acquisition Services on an as needed basis for various federal-aid and state funded projects to support the Photogrammetry Unit. These contracts will expire two (2) years after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work:	2015 Aerial Imaging Acquisition Services
Firm:	Spatial Data Consultants, Inc., High Point, NC
Maximum Engineering Fee:	\$250,000.00
SPSF Utilization:	100%

Description of Work:	2015 Aerial Imaging Acquisition Services
Firm:	The Sanborn Map Company, Inc., Charlotte, NC
Maximum Engineering Fee:	\$250,000.00
SPSF Utilization:	0%

Description of Work:	2015 Aerial Imaging Acquisition Services
Firm:	MA Engineering Consultants, Inc., Cary, NC
Maximum Engineering Fee:	\$250,000.00
DBE/MBE/SPSF Utilization :	100%

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

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STATEWIDE

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	Spatial Data Consultants, Inc., High Point, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	The Sanborn Map Company, Inc., Charlotte, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	Geodata Corp, Zebulon, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	MA Engineering Consultants, Inc., Cary, NC
Maximum Engineering Fee:	\$250,000.00
DBE/MBE/SPSF Utilization:	100%

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	WSP USA Corp, Cary, NC
Maximum Engineering Fee:	\$250,000.00
SPSF Utilization:	0%

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	Triangle Aerial Surveys, Inc., Raleigh, NC
Maximum Engineering Fee:	\$250,000.00
DBE/MBE Utilization:	100%

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	Greenman-Pedersen, Inc., Greensboro, NC
Maximum Engineering Fee:	\$250,000.00
SPSF Utilization:	0%

Description of Work:	2015 Photogrammetric Mapping Services LSC
Firm:	Tuck Mapping Solutions, Inc., Big Stone Gap, VA
Maximum Engineering Fee:	\$250,000.00
SPSF Utilization:	0%

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract is 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:	2014-2015 Mapping Photogrammetry LSC
Firm:	Spatial Data Consultants, Inc., High Point, NC
Original Engineering Fee:	\$200,000.00
Supplemental Fee:	\$75,000.00
SPSF Utilization:	100%

Location & Surveys

The following are supplemental contracts to a 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.

STATEWIDE

Description of Work:	Location and Surveys Limited Services
Firm:	Allied Associates PA, Winston-Salem, NC
Original Engineering Fee:	\$1,500,000.00
Supplemental Fee:	\$1,000,000.00
SPSF Utilization:	100%

Description of Work:	Location and Surveys Limited Services
Firm:	ESP Associates, P.A., Charlotte, NC
Original Engineering Fee:	\$6,000,000.00
Previous Supplemental Fee:	\$3,000,000.00
Supplemental Fee:	\$3,000,000.00
SPSF Utilization:	0%

Description of Work:	Location and Surveys Limited Services
Firm:	Greenman-Pedersen, Inc., Greensboro, NC
Original Engineering Fee:	\$500,000.00
Supplemental Fee:	\$500,000.00
SPSF Utilization:	0%

Description of Work:	Location and Surveys Limited Services
Firm:	Joyner Keeny, PLLC, Rocky Mount, NC
Original Engineering Fee:	\$1,500,000.00
Supplemental Fee:	\$1,500,000.00
SPSF Utilization:	100%

Description of Work:	Location and Surveys Limited Services
Firm:	Mulkey, Inc., Raleigh, NC
Original Engineering Fee:	\$3,000,000.00
Previous Supplemental Fee:	\$1,000,000.00
Supplemental Fee:	\$2,000,000.00
SPSF Utilization:	0%

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Description of Work:	Location and Surveys Limited Services
Firm:	SEPI Engineering & Construction, Inc., Raleigh, NC
Original Engineering Fee:	\$1,000,000.00
Supplemental Fee:	\$1,000,000.00
SPSF Utilization:	0%
Description of Work:	Location and Surveys Limited Services
Firm:	Thompson Gordon Shook Engineers, Inc., Shelby, NC
Original Engineering Fee:	\$2,000,000.00
Supplemental Fee:	\$2,000,000.00
SPSF Utilization:	100%
Description of Work:	Location and Surveys Limited Services
Firm:	Vaughn & Melton Consulting Engineers, Asheville, NC
Original Engineering Fee:	\$4,000,000.00
Supplemental Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	Location and Surveys Limited Services
Firm:	Wadelynn Geospatial, LLC, Garner, NC
Original Engineering Fee:	\$500,000.00
Supplemental Fee:	\$500,000.00
SPSF Utilization:	100%

Chief Engineer

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.

DIVISION 10

Project:	34187.3.GV2 (I-3803B) Mecklenburg - Cabarrus Counties I-85 from south of SR 2894 (Speedway- Concord Mills Boulevard) in Mecklenburg County to NC 73 in Cabarrus County
Scope of Work:	Construction Engineering and Inspection Services
Estimated Construction Cost:	\$111,989,000.00
Firm:	Kisinger Campo & Associates, Corp., Kannapolis, NC
Original Engineering Fee:	\$10,000,000.00
Previous Supplemental Fee:	\$ 825,000.00
Supplemental Fee:	\$ 270,000.00
Supplemental Work:	Construction Engineering and Inspection Services
DBE/WBE/SPSF Utilization:	Sepi Engineering \$43,200.00 16%

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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:	Kimley-Horn & Associates, Inc., Cary , NC
Original Engineering Fee:	\$2,000,000.00
Supplemental Fee:	\$ 400,000.00
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
Supplemental Fee:	\$ 500,000.00
SPSF Utilization:	0%

Field Support

Materials & Tests

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Inspection and Testing Services for Various Products (Prestressed Concrete; Structural Steel & Various Other Metal Products; Timber and Wood Products) on an as needed basis for various federal-aid and state funded projects to support the Materials and Tests Unit. These contracts will expire two (2) years after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work:	Inspection and Testing Services for Structural Steel & Various Other Metal Products
Firm:	AMEC Foster Wheeler Environment & Infrastructure, Inc., Durham, NC
Maximum Engineering Fee:	\$750,000.00
SPSF Utilization:	0%

Description of Work:	Inspection and Testing Services for Prestressed Concrete
Firm:	Brannan Inspection Services, Inc., Selma, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%

Description of Work:	Inspection and Testing Services for Prestressed Concrete, Structural Steel & Various Other Metal Products, and Timber and Wood Products
Firm:	Bureau Veritas North America, Inc., Pittsburgh, PA
Maximum Engineering Fee:	\$1,850,000.00
SPSF Utilization:	0%
Description of Work:	Inspection and Testing Services for Structural Steel & Various Other Metal Products
Firm:	Greenman-Pedersen, Inc., Scranton, PA
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	Inspection and Testing Services for Prestressed Concrete, Structural Steel & Various Other Metal Products, and Timber and Wood Products
Firm:	HRV Conformance Verification Associates, Inc., Moon Township, PA
Maximum Engineering Fee:	\$1,600,000.00
DBE/WBE/SPSF Utilization:	100%
Description of Work:	Inspection and Testing Services for Prestressed Concrete, and Structural Steel & Various Other Metal Products
Firm:	KTA-Tator, Inc., Pittsburgh, PA
Maximum Engineering Fee:	\$1,250,000.00
SPSF Utilization:	0%
Description of Work:	Inspection and Testing Services for Prestressed Concrete, Structural Steel & Various Other Metal Products, and Timber and Wood Products
Firm:	Pennoni Associates, Inc., Philadelphia, PA
Maximum Engineering Fee:	\$2,100,000.00
SPSF Utilization:	0%
Description of Work:	Inspection and Testing Services for Prestressed Concrete, and Structural Steel & Various Other Metal Products
Firm:	S&ME, Inc., Raleigh, NC
Maximum Engineering Fee:	\$4,200,000.00
SPSF Utilization:	0%

Description of Work:	Inspection and Testing Services for Prestressed Concrete, and Structural Steel & Various Other Metal Products
Firm:	Terracon Consultants, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%

Description of Work:	Inspection and Testing Services for Prestressed Concrete, and Structural Steel & Various Other Metal Products
Firm:	TRC Engineers, Inc., Pittsburgh, PA
Maximum Engineering Fee:	\$3,700,000.00
SPSF Utilization:	0%

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.

STATEWIDE

Description of work:	Inspection of Prestressed Concrete Products Limited Services (2012 Contract)
Firm:	TRC Engineers, Inc., Pittsburgh, PA
Original Engineering Fee:	\$300,000.00
Previous Supplemental Fee:	\$750,000.00
Supplemental Fee:	\$300,000.00
SPSF Utilization:	0%

Description of work:	Inspection and Testing Services for Prestressed Concrete (2012 Contract)
Firm:	S&ME, Inc., Raleigh, NC
Original Engineering Fee:	\$300,000.00
Previous Supplemental Fee:	\$750,000.00
Supplemental Fee:	\$600,000.00
SPSF Utilization:	0%

Description of work:	Materials and Tests Limited Services
Firm:	ICA Engineering, Inc., Raleigh, NC
Original Engineering Fee:	\$500,000.00
Supplemental Fee:	\$3,750,000.00
SPSF Utilization:	0%

Utilities

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:	Utility Coordination Limited Services
Firm:	Utility Coordination Consultants, Inc., Mineral Springs, NC
Original Engineering Fee:	\$150,000.00
Previous Supplemental Fee:	\$115,000.00
Supplemental Fee:	\$ 20,000.00
SPSF Utilization:	100%

Construction

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.

STATEWIDE

Description of Work:	Construction Engineering and Inspection Limited Services
Firm:	KCI Associates of North Carolina P.A., Raleigh, NC
Original Engineering Fee:	\$10,000,000.00
Supplemental Fee:	\$ 5,000,000.00
SPSF Utilization:	0%

Description of Work:	Construction Engineering and Inspection Limited Services
Firm:	Rummel, Klepper & Kahl, LLP, Raleigh, NC
Original Engineering Fee:	\$10,000,000.00
Supplemental Fee:	\$ 5,000,000.00
SPSF Utilization:	0%

Description of Work:	Construction Engineering and Inspection Limited Services
Firm:	Sepi Engineering & Construction, Inc., Raleigh, NC
Original Engineering Fee:	\$10,000,000.00
Supplemental Fee:	\$ 5,000,000.00
SPSF Utilization:	100%

Description of Work:	Construction Engineering and Inspection Limited Services
Firm:	Summit Design and Engineering Services, PLLC, Hillsborough, NC
Original Engineering Fee:	\$10,000,000.00
Supplemental Fee:	\$ 5,000,000.00
SPSF Utilization:	100%

Description of Work:	Construction Engineering and Inspection Limited Services
Firm:	Vaughn & Melton Consulting Engineers, Asheville, NC
Original Engineering Fee:	\$10,000,000.00
Supplemental Fee:	\$ 5,000,000.00
SPSF Utilization:	0%

NCDOT October 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
Chatham Div. 8	SR 2169 Zeb Ferguson Road	GDB&P. Increase Funds. WBS 8C.019114	\$146,946.02
Yadkin Div. 11	NC 67 at PVH Way	Construct Roundabout. Increase Funds. WBS 43682	\$410,000.00

Deletions

County	SR No.	Reason	Amount
Durham Div. 5	Various	Paved Road Improvements. Funds To Be Used Elsewhere WBS 5C.032075	-\$102,122.78
Davie Div. 9	SR 1149 Walker Road	GDB&P. To Be Built at a Later Date. WBS 9C.030062	-\$61,308.15
Henderson Div. 14	SR 1226 Temon Street	GDB&P. Unavailable Right of Way. WBS 14C.045159	-\$6,556.67
Transylvania Div. 14	SR 1126 Otto Alexander Road	GDB&P. Unavailable Right of Way. WBS 14C.088082	-\$2,956.90
Transylvania Div. 14	SR 1343 Carl Norris Road	GDB&P. Unavailable Right of Way. WBS 14C.088084	-\$14,671.39

October 2015 Item E Summary:

5	Projects to Increase Funds	Amount:	\$556,946.00
0	Projects to Increase and Close	Amount:	\$0.00
2	Projects to Delete	Amount:	-\$187,615.89

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North Carolina Department of Transportation Secondary Roads Statewide Paving Program

House Bill 817, Section 2.6(d) provides \$12M recurring funds for the paving of unpaved secondary roads. Section 2.5 requires the Department to develop a statewide paving priority list for the paving of unpaved secondary roads.

Roads listed under Section I are the next priority non-hold list roads on the Statewide Paving Priority list. Roads from this list where property owners refuse to donate right-of-way will be placed on a statewide hold list. Roads from this list where property owners donate right-of-way will be eligible for preliminary engineering and construction funding. Roads currently on the hold-list in the 1 to 808 priority range having right-of-way issues resolved will be listed in future Item-E Board Agendas.

FY 2015-2016 Appropriation

Highway Fund (HB 817) **\$12,000,000.00**

I. Funds for Preliminary Engineering, Right-of-Ray Acquisition and Construction: **\$7,155,000.00**

The following **non-hold list roads** ranked in the priority range of the statewide paving list are presented for approval of secondary road program funds:

Division	County	Length (Miles)	SR #	Description
2	CRAVEN	0.26	1707	SALTER HARRIS FARM FROM END OF PVMT TO END OF PVMT
3	BRUNSWICK	0.40	1131	FOOT CUMBEE ROAD FROM END OF PVMT TO SR 1130
5	DURHAM	0.24	2151	CHICKASAW ROAD FROM SR-2052 TO SR-1910
5	GRANVILLE	1.00	1313A	LESTER MCFARLAND RD FROM SR 1315 TO PERSON CNTY LINE
5	GRANVILLE	1.80	1401	WOLF PIT-VIRGILINA RD FROM VIRGINIA TO VIRGINIA
5	WAKE	0.82	1400	BALLENTINE DAIRY RD FROM SR-1301 TO SR-1401
5	WARREN	1.30	1611	OLD MILL ROAD FROM SR-1625 TO DEAD END
7	GUILFORD	0.15	2565	HICONE ROAD FROM SR-2526 TO DEAD END
7	GUILFORD	0.15	2020	UNION GROVE ROAD FROM END OF PVMT TO END OF MAINT
9	DAVIDSON	0.41	2788M	HIATT DR/ALBECK ROAD FROM SR-2852 TO SR-2024
9	DAVIDSON	0.21	2514	SURRATT ROAD/DOT ST FROM NC-109 TO SR2513
9	DAVIDSON	0.40	1106	BECKNER ROAD FROM END OF PVMT TO SR 1106
9	DAVIDSON	0.28	2848	PANTHER LANE FROM SR 2025 TO DEAD END
9	DAVIDSON	0.38	2026	HILL MYERS ROAD FROM SR-2024 TO DEAD END
9	DAVIDSON	0.15	1125	BROADUS SMITH ROAD FROM SR-1323 TO DEAD END
9	FORSYTH	0.15	1921	BRAY ROAD FROM END OF PVMT TO DEAD END
9	FORSYTH	0.24	2010	HOMELAND CIRCLE FROM SR-1965 TO SR-1965

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Division	County	Length (Miles)	SR #	Description
10	STANLY	0.14	1838	KIRK RD FROM NC 740 TO END OF MAINT
11	CALDWELL	2.30	1513A	INDIAN GRAVE #2 FROM END OF PVMT TO 1514
11	CALDWELL	1.50	1373	ROCKY KNOB FROM US 321 TO DEAD END
11	CALDWELL	0.9	1518	RICH HOLLAR RD FROM SR-1513 TO DEAD END
11	WATAUGA	1.00	1541	PAYNE BRANCH FROM END OF PVMT TO SR-1549
11	WATAUGA	1.00	1132	UPPER CRAB ORCHARD FROM 1122 TO DEAD END
11	WATAUGA	1.50	1218B	LAUREL BRANCH FROM END OF PVMT TO 1201
11	WATAUGA	0.65	1152	LOWER CRAB ORCHARD FROM NC 194 TO DEAD END
11	WATAUGA	0.86	1176	TRIVETTE CIRCLE FROM US 321 TO US 321
11	WATAUGA	0.64	1141	RUBIN WALKER FROM 1113 TO DEAD END
11	WATAUGA	1.10	1335A	LONG HOPE FROM NC194 TO END OF PVMT
11	WATAUGA	0.6	1170	OLD MOUNTAIN RD FROM SR-1128 TO DEAD END
12	ALEXANDER	0.17	1587	SPRING AVE. FROM 1420 TO 1562
12	CLEVELAND	0.50	1911	EAKER RD FROM 1910 TO DEAD END
13	BUNCOMBE	0.10	1518	DARCUS LANE FROM NC 68 TO END OF MAINT
13	BUNCOMBE	0.50	2167	WHITTEMORE DRIVE FROM END OF PVMT TO END OF MAINT
13	BUNCOMBE	0.30	3228	FOX BRANCH FROM 3141 TO END OF MAINT
13	BUNCOMBE	0.35	2120	ANDERSON COVE FROM SR 2199 TO END OF MAINT
13	BUNCOMBE	0.25	2166	RIDDLE RD FROM NC 91 TO END OF MAINT
13	MITCHELL	0.41	1331A	GREASY CREEK RD FROM 1355 TO STA. 21+46

* In the event that any of the roads listed have to be placed on the “Hold List” due to unavailable right of way or environmental review, or if additional funding becomes available, funds will be applied to the roads listed in priority order of the statewide paving priority list.

II. Funds for completion on previously funded projects: \$3,735,000.00

The following roads were initially funded previous FY Allocations and require additional program funds for completion of Preliminary Engineering and Construction activity:

Division	County	Length (Miles)	SR #	Description
11	CALDWELL	2.70	1369	MULBERRY CREEK FROM SR-1368 TO END OF MAINT
11	WATAUGA	1.20	1137	JUSTUS FROM 1136 TO DEAD END
14	CHEROKEE	0.90	1318-M	CAMP CREEK ROAD END OF PVMT TO END OF PVMT
14	HAYWOOD	1.70	1338-A	WHITE OAK ROAD FROM END OF PVMT TO SR-1346
14	JACKSON	0.39	1584	TIMBUKTU ROAD FROM SR-1308 TO END OF MAINT
14	MACON	0.26	1736	WEST SIDE DUCK MNT ROAD FROM NC106 TO END OF MAINT
14	TRANSYLVANIA	0.18	1350	PINNACLE ROAD FROM END OF PVMT TO DEAD END

III. Funding for Contingencies and Overruns**\$ 1,100,000.00****Total Programmed funds for October 2015****\$ 12,000,000.00**

NCDOT October 2015 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 3				
New Hanover	50887		Vineyard Plantation Subdivision	8/6/15
		0.29	Reisling Avenue	
		0.45	Winery Way	
		0.10	Chablis Way	
Onslow	50888		Burton Park Subdivision	7/31/15
		0.38	Burton Park Boulevard	
Onslow	50889		Bradford Estates Subdivision	7/1/15
		0.08	Prospect Drive, SR 2575 Ext.	
		0.14	Duncan Drive South	
Pender	50890		Belvedere Subdivision	7/23/15
		0.17	Hickory Lane, SR 1682 Ext.	
Division 4				
Johnston	50891		Taft Woods East Subdivision	7/27/15
		0.14	Rockport Drive	
		0.14	Hadley Lane	
Johnston	50892		Northfield Subdivision	3/11/15
		0.12	Northfield Drive	
		0.14	Broadhead Court	
		0.18	Gray Squirrel Drive	
		0.09	Fieldmouse Circle	
Johnston	50893		Maplewood Run Subdivision	8/10/15
		0.25	Hazelnut Lane	
		0.18	Roasted Nut Lane	
		0.05	Peanut Circle	
Division 6				
Cumberland	50894		McCall South Subdivision	9/1/15
		0.34	McCall Drive	
Cumberland	50895		Rockfish Crossing Subdivision	6/11/15
		0.25	Laurelwood Place	
		0.09	Lowbranch Court	
		0.13	Matchwood Court	
Cumberland	50896		Roslin Farms West Subdivision	6/26/15
		0.90	Pecan Grove, SR 4530 Ext.	
		0.12	Stillwood Drive	
		0.05	Brentmoor Court	

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NCDOT October 2015 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 6				
Cumberland	50897		Silverhill at Springfield Subdivision	6/22/15
		0.11	Batesfield Drive	
		0.29	Crystobal Road	
		0.09	Eclipse Drive	
Cumberland	50898		Southern Meadows Subdivision	8/21/15
		0.14	Crepe Myrtle Drive, SR 4129 Ext.	
Harnett	50899		Tingen Pointe Subdivision	7/2/15
		0.18	Omaha Drive, SR 2527 Ext.	
		0.05	Pointe Du Hol Court	
Harnett	50900		Senter Hills Subdivision	6/29/15
		0.45	Senter Lane	
Harnett	50901		Popes Landing Subdivision	7/2/15
		0.07	Swan Lane	
Harnett	50902		The Meadows at Buies Creek Subdivision	9/2/15
		0.20	Anna Street, SR 1623 Ext.	
Harnett	50903		Brightwater Medical Center	6/22/15
		0.23	Brightwater Drive	
		0.12	Amber Leaf Trail	
		0.24	Crested Iris Drive	
Division 7				
Guilford	50904		Hunters Mark/Pepper Ridge Subdivision	8/5/15
		0.06	East pepper Court	
		0.17	Pepper Road, SR 2026 Ext.	
		0.06	West Pepper Court	
Division 8				
Hoke	50905		Riverbrooke Subdivision	7/28/15
		0.09	Edisto Court	
		0.64	Broad Drive	
		0.41	Roanoke Drive	
		0.63	Cape Fear Road	
		0.09	Lumber Street	
		0.07	Chowan Court	

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NCDOT October 2015 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 10				
Cabarrus	50906		St. Andrews Place Subdivision	6/29/15
		0.13	St. Andrews Place	
		0.17	Highlander Court	
		0.21	Carly Court	
		0.26	Hildreth Court	
		0.11	Meredith Court	
		0.23	Adamshire Avenue	
		0.20	Gerry Court	
		0.13	Ellie Court	
		0.86	Piney Church Road, SR 1154 Ext.	
Division 12				
Iredell	50907		Cedar Woods Subdivision	12/16/14
		0.33	Old Springs Way	
Lincoln	50908		Fairfield Forest Subdivision	8/7/15
		0.18	Pine Glade Drive	
		0.31	Shiny Leaf Drive	
Division 14				
Henderson	50909	0.27	Summerwind Road	8/11/15

Road Abandonments:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 2				
Beaufort	50910	0.17	Portion of SR 1166 Whichards Beach Road	4/5/06
Beaufort	50911	0.10	Portion of SR 1182 Bayside Shore Drive	4/5/06
Division 3				
Onslow	50912	0.30	SR 1552 F.F.A. Camp Road	8/10/15
Onslow	50913	0.26	Portion of SR 1243 Meadowview Road	8/11/15
Division 8				
Chatham	50914	0.40	SR 2183 Raymond Sharpe Road	7/13/15

October 8, 2015

Correction:

Division 1 – Petition # 50878 was listed on the September 2015 BOT Agenda as Currituck County. It should be Martin County.

Summary: Number of Roads Petitioned for Addition – 57
Number of Roads Petitioned for Abandonment – 5

NCDOT OCTOBER 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 Chowan	Town of Edenton – WBS 44307 was established (12/14) to Widen and resurface SR 1325 (Peanut Dr) from US-17 Bus to dead end	Contingency	\$120,000.00
	Increase funds	<u>TOTAL</u>	<u>\$120,000.00</u>
Div 2 Pitt	Construct and pave driveway at Winterville Community Rural Fire Association	Public Access	\$25,000.00
	WBS 48118	<u>TOTAL</u>	<u>\$25,000.00</u>
Div 4 Johnston	Remove and replace existing "USS North Carolina Battleship Memorial / Southern NC Beaches" signs on northbound I-95 at I-40	Small Construction	\$15,000.00
	WBS 80014	<u>TOTAL</u>	<u>\$15,000.00</u>
Div 4 Johnston	Town of Clayton – Add signal heads and adjust signal timing at SR 1902 (Glen Laurel Rd) and CAT entrance to improve safety and mobility along NC-42	Small Construction	\$30,000.00
	WBS 80016	<u>TOTAL</u>	<u>\$30,000.00</u>
Div 4 Nash	City of Nashville – Remove and replace existing curb and gutter along SR 1001 including installation of concrete curb and gutter, concrete sidewalks, full depth asphalt, and relocate utilities and traffic control	Small Construction	\$30,000.00
	WBS 80015	<u>TOTAL</u>	<u>\$30,000.00</u>
Div 4 Nash	City of Rocky Mount – Lower driveway grade on Winstead Ave to access existing parcel not addressed during the Winstead Ave widening project	Small Construction	\$12,500.00
	WBS 80017	<u>TOTAL</u>	<u>\$12,500.00</u>
Div 5 Wake	Town of Cary – Construct turn lane on SR 1789 (Pleasant Grove Church Rd) west of I-540	Econ Development	\$425,000.00
	WBS 44563	<u>TOTAL</u>	<u>\$425,000.00</u>

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

County	Description	Type	Amount
Div 6 Harnett	Construct and pave driveway from SR 1418 to parking bay and SR 1403 to parking bay at new Northwest Harnett VFD Station #2 WBS 46442	Public Access TOTAL	\$25,000.00 \$25,000.00
Div 6 Harnett	Town of Angier – Pipe and ditch section along Church St WBS 45855	Contingency TOTAL	\$59,000.00 \$59,000.00
Dev 6 Robeson	Construct driveway to Smith's Volunteer Fire Dept on SR 1312 (Oxendine School Rd) WBS 46443	Public Access TOTAL	\$25,000.00 \$25,000.00
Div 7 Alamance	Town of Elon – WBS 43830 was established (03/13) for Improvements for pedestrian crossing and construct curb & gutter along the west side of North Oak St between E Lebanon Ave (non-system) and E Haggard Ave <i>Reduce funds; transfer to 43831</i> WBS 43831 was established (03/13) for pedestrian crossing improvements along the west side of SR 1301 (South Williamson Ave) between Ball Park Rd (non-system) and Sunset Dr (non-system) <i>Increase funds; transfer from 43830</i>	Small Construction Contingency Small Construction Contingency TOTAL	(\$101,673.57) (\$50,000.00) \$101,673.57 \$50,000.00 \$0.00
Div 10 Mecklenburg	Town of Huntersville – Develop plans, purchase ROW, coordinate utility relocation, and construct a left turn lane for proposed manufacturing site located at 11810 Mt Holly-Huntersville Rd WBS 44536	Econ Development TOTAL	\$400,000.00 \$400,000.00
Div 11 Caldwell	Bring Washboard Lane up to minimum state standards WBS 44594	Contingency TOTAL	\$60,000.00 \$60,000.00

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

County	Description	Type	Amount
Div 11 Caldwell	Install approximately a 200 ft guardrail addition on SR 1115 (Dry Pond Rd)	Contingency	\$5,601.00
	WBS 44595	<u>TOTAL</u>	<u>\$5,601.00</u>
Div 14 Polk	Realignment of SR 1326 (Pea Ridge Rd) and John Shehan Rd and construct a roundabout at the intersection with US-74; Companion funds to R-5756 and 2016CPT.14.20751.1	Contingency	\$250,000.00
	WBS 44569	<u>TOTAL</u>	<u>\$250,000.00</u>

Deletion:

Div 9, Rowan County – WBS 44209 was established (06/14) for intersection striping modifications to accommodate dual left turn movement on US-70/601 (Jake Alexander Blvd) at NC-150 (Mooresville Rd); Funded by alternate source

Summary:	Number of Projects	15
	Number of Divisions	9
	Small Construction Commitment	\$87,500.00
	Public Access Commitment	\$75,000.00
	Contingency Commitment	\$494,601.00
	Economic Development	\$825,000.00
	TOTAL	<u>\$1,482,101.00</u>

NCDOT October 2015 Board of Transportation Agenda

Public Transportation Program

Town/County Division	Demonstration Grant	Estimated Cost	
7	16-DG-025 - The City of High Point in conjunction with the High Point Market Authority requests funds to support transportation for the Fall and Spring furniture markets in High Point. The funds will be used to provide free shuttle services for Market attendees from Piedmont Triad area hotels and designated park and ride lots to/from the Home Furnishings Market, and circulator services in the High Point showroom district. The circulator and shuttle services will be procured through private transportation providers and organized by the High Point Market Authority. This request is to disburse up to \$600,000 for each market (Fall 2015 and Spring 2016), subject to appropriations by the Legislature.	\$1,200,000	Total
		\$0	Federal
		\$1,200,000	State
		\$0	Local

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

MODIFICATIONS to the Transit 2012-2018 STIP

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)
TT-5204	Fayetteville Area System of Transit	Technology Replacement Upgrades	FUZ	5307		52		40			
			State	S		7		5			
			Local	L		7		5			
		CONTINUED			FY22						
					40						
					5						
					5						
TG-4321A	Triangle Transit	Routine Capital: Associated Transit Improvements	STPDA	STPDA		145					
			Local	L		36					

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-4321A	Triangle Transit	Routine Capital: Associated Transit Improvements	STPDA	STPDA	145						
			Local	L	36						

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)
TT-5204	Fayetteville Area System of Transit	Technology Replacement Upgrades	FUZ	5307	52		40				40
			State	S	7		5				5
			Local	L	7		5				5

DELETIONS 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-5224B	Fayetteville Area System of Transit	Operating-ADA Services	FUZ	5307	293	293	293	293	293	293	293
			Local	L	22	24	42	42	42	42	42
		CONTINUED			FY23						
			FUZ	5307	293						
			Local	L	42						

Item I-1A, 5 Projects , Total Federal/State funds \$588,000

NCDOT October 2015 Board of Transportation Agenda

Rail Program

Town/County Division	Project Description	Estimated Cost
Statewide	This project is part of the Piedmont Improvement Program. The Rail Division requests approval to award a contract to "Higher Power Industries", the most responsive bidder for the rebuilding of two used NCDOT F59PH passenger locomotives to like new condition and the conversion of two used F59PH locomotives into new Cab Control Units (CCUs) for use in daily Piedmont passenger service. CCUs are non-powered vehicles that are used in push-pull passenger train service. \$5,430,821 in ARRA funding has been provided by the Federal Railroad Administration (FRA) for this project. The project will be paid for with 100% Federal funds. The rebuilt locomotives will have a 20 year life cycle. The two Cab Control Units will have 20 year life cycles. All of the equipment will be rebuilt to current Amtrak, FRA and EPA standards. TIP P2918	\$5,430,821
Moore County Division 8	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the improvement of two Aberdeen, Carolina and Western crossings on NC-5 in Aberdeen. Both crossings are approximately 116 feet each and are currently asphalt and rail. These crossings are in poor condition. The intent is to improve both crossings by installing a concrete tub style surface to replace the existing crossing surfaces. The crossing numbers are 722 518C and 722 523Y at milepost ACWR 55.60 and 55.90 respectively. The Department's estimated cost for the two crossings is \$197,849.00 The funding will be transferred from the completed FRRCSI project for the Clinton Terminal Railroad Company (CTR) and the canceled project for the Thermal Belt Railway (TBRY). The CTR completed a smaller project than was originally applied for, and the TBRY could not develop its project due to right of way conflicts. WBS 80000.1.4.7 \$139,367 WBS 80000.1.4.11 \$58,482	\$197,849

ITEM I-2 SUMMARY – 2 PROJECTS – (TOTAL FEDERAL AND STATE) \$5,628,670

NCDOT October 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 October 8, 2015 Board of Transportation meeting.

ITEM I-3 SUMMARY – NO PROJECTS

NCDOT October 2015 Board of Transportation Agenda

Aviation Program

Town/County Division	Project Description	Estimated Cost	
Greenville, NC Pitt County Division 2	Pitt-Greenville Airport – Hangar Area Site Prep & Access Road Rehabilitation	\$ 366,300	Total
		\$ 366,300	State
Winston-Salem, NC Forsyth County Division 9	Smith Reynolds Airport – Drainage Improvements (Amendment)	\$ 80,415	Total
		\$ 80,415	State
Monroe, NC Union County Division 10	Charlotte-Monroe Executive Airport – Runway 5 Medium Intensity Approach Lighting System	\$ 1,133,553	Total
		\$ 1,133,553	Fed
Mount-Airy, NC Surry County Division 11	Mount Airy / Surry County Airport – Runway & Taxiway Extension – Site Preparation (Amendment)	\$ 900,000	Total
		\$ 900,000	Fed

ITEM I-4 SUMMARY – 4 PROJECTS - (TOTAL FEDERAL AND STATE) \$ 2,480,268

NCDOT October 2015 Board of Transportation Agenda
Approval of Specific State Funds for Construction Projects
(For projects previously identified as Specific State Funds for Construction projects
Now being funded under Strategic Transportation Investments)

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Raleigh/ Wake Co. Div. 5 U-4432 DIVISION	WBS 35029.1.2 SR 1370 (Tryon Road) from west of Bridge No. 259 over the Norfolk Southern Railway to US 70-401/NC 50 (Wilmington Street). \$1,194,293.00 has previously been approved for preliminary engineering. Additional funds are requested. This is a Strategic Transportation Investments Transition project.	\$10,000.00
Statewide M-0194 STATEWIDE	WBS 34263.1.1 Feasibility Studies by Program Development Branch. \$23,300,381.00 has previously been approved for feasibility studies. Additional funds are requested.	\$2,000,000.00
ITEM J SUMMARY	2 PROJECTS	\$2,010,000.00

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

UPDATED
10/5/15

K-1

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
New Hanover Co. Div. 3 U-4902B REGIONAL	WBS 40238.1.2 US 17 Business (Market Street) from Colonial Drive to Martin Luther King Jr. Boulevard. Initial funds are requested for preliminary engineering.	\$1,000,000.00
New Hanover Co. Div. 3 U-4902C STATEWIDE	WBS 40238.1.3 US 17 Business (Market Street) from Martin Luther King Jr. Boulevard to Station Road. Initial funds are requested for preliminary engineering.	\$500,000.00
New Hanover Co. Div. 3 U-4902D STATEWIDE	WBS 40238.1.4 US 17 Business (Market Street) from Lendire Road to SR 2734 (Marsh Oaks Drive). Initial funds are requested for preliminary engineering.	\$500,000.00
New Hanover Co. Div. 3 U-5729 REGIONAL	WBS 54020.1.1 US 421 (Carolina Beach Road) from US 421 (Burnett Avenue) to US 117 (Shipyard Boulevard) in Wilmington. Initial funds are requested for preliminary engineering.	\$1,500,000.00
Onslow Co. Div. 3 U-5728 REGIONAL	WBS 54019.1.1 US 17 Business (Marine Boulevard) at SR 1308 (Bell Fork Road) in Jacksonville. Initial funds are requested for preliminary engineering.	\$75,000.00

October 8, 2015

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Onslow Co. Div. 3 U-5739 REGIONAL	WBS 54028.1.1 US 258 (Richlands Highway) from SR 1212 (Pony Farm Road) to NC 53 (Burgaw Highway). Initial funds are requested for preliminary engineering.	\$1,270,000.00
Onslow Co. Div. 3 U-5789 DIVISION	WBS 44361.1.1 NC 53 (Western Boulevard) at SR 2714 (Jacksonville Parkway). Initial funds are requested for preliminary engineering.	\$100,000.00
Pender Co. Div. 3 R-5701 REGIONAL	WBS 46373.1.1 NC 53 at US 117 Business (Walker/Wilmington Street). Initial funds are requested for preliminary engineering.	\$150,000.00
Statewide Div. 3 M-0488H STATEWIDE	WBS 46404.1.8 Military Cutoff - Map Act Lawsuit. Initial funds are requested for preliminary engineering/legal services.	\$50,000.00
Smithfield/ Johnston Co. Div. 4 U-3334B DIVISION	WBS 34929.2.6 SR 1923 Extension (Booker Dairy Road) from SR 1003 (Buffalo Road) to US 301 (Brightleaf Boulevard). Initial funds are needed for utilities.	\$500,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Rocky Mount/ Nash Co. Div. 4 U-3621A DIVISION	WBS 34964.3.4 SR 1604 (Hunter Hill Road) from SR 1613 (North Winstead Avenue) to SR 1616 (Country Club Road). Initial funds are needed for utilities.	\$700,000.00
Durham/ Durham Co. Div. 5 U-5717 STATEWIDE	WBS 50400.1.1 US 15/501 at SR 1116 (Garrett Road) in Durham. Initial funds are requested for preliminary engineering.	\$2,400,000.00
Creedmoor/ Granville Co. Div. 5 R-5707 REGIONAL	WBS 46379.1.1 NC 56 at US 15 and NC 50 in Creedmoor. Initial funds are requested for preliminary engineering.	\$230,000.00
Wake Co. Div. 5 U-2901 REGIONAL	WBS 34877.1.6 NC 55 (Williams Street) from US 1 to Bryan Drive in Apex. Initial funds are requested for preliminary engineering.	\$500,000.00
Wake Co. Div. 5 U-5302 REGIONAL	WBS 48000.1.1 US 401 from south of Legend Road to US 70. Initial funds are requested for preliminary engineering.	\$295,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Fayetteville/ Cumberland Co. Div. 6 U-2519BA REGIONAL	WBS 34817.2.23 Fayetteville Outer Loop from south of SR 1003 (Camden Road) to south of SR 1104 (Strickland Bridge Road). \$729,908.00 has previously been approved for appraisal of specific parcels. Additional funds are requested for appraisal of Specific Parcel 900.	\$25,000.00
Fayetteville/ Cumberland Co. Div. 6 X-0002B STATEWIDE	WBS 35196.3.23 Fayetteville Outer Loop (combined with U-2519E), from west of NC 24 (Bragg Boulevard) to east of NC 210 - 87 (Murchison Road). Initial funds are requested for construction.	\$40,000.00
Guilford Co. Div. 7 B-4961 DIVISION	WBS 40152.2.2 Replace Bridge #208 over Little Alamance Creek on SR 3051 (Knox Road). Initial funds are needed for utilities.	\$40,000.00
Guilford Co. Div. 7 U-5851 DIVISION	WBS 50240.1.1 SR 1001 (Church Street) from US 220 (Wendover Avenue) to East Cone Boulevard in Greensboro. Initial funds are requested for preliminary engineering.	\$500,000.00
Hoke Co. Div. 8 B-5755 DIVISION	WBS 45711.1.1 Replace Bridge #57 over Puppy Creek on SR 1406 (Rockfish Road). Initial funds are requested for preliminary engineering.	\$100,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Hoke Co. Div. 8 U-5753 DIVISION	WBS 51078.1.1 SR 1305 (Wayside Road) from Plank Road to US 401. Initial funds are requested for preliminary engineering.	\$800,000.00
Hoke Co. Div. 8 U-5857 DIVISION	WBS 46384.1.1 SR 1406 (Rockfish Road) from SR 1418 (Lindsay Road) to SR 1003 (Camden Road) near Fayetteville. Initial funds are requested for preliminary engineering.	\$800,000.00
Hoke Co. Div. 8 U-5858 DIVISION	WBS 46385.1.1 SR 1418 (Lindsay Road) from SR 1406 (Rockfish Road) to US 401 near Fayetteville. Initial funds are requested for preliminary engineering.	\$800,000.00
Davie Co. Div. 9 R-5728 REGIONAL	WBS 50220.1.1 US 601 at South Salisbury Street in Mocksville. Initial funds are requested for preliminary engineering.	\$350,000.00
Winston-Salem/ Forsyth Co. Div. 9 U-2827B STATEWIDE	WBS 34872.2.S5 US 158 /US 421/ NC 150 / Business 40, west of Fourth Street to east of Church Street; pavement rehab, replace bridges: 178, 269, 278, 286, 288, 291, 293, 305, 312, 313, 336. \$25,000.00 has previously been approved for appraisal of a specific parcel. Additional funds are requested for advanced acquisition of Specific Parcel 900 (Property of Branch Banking & Trust, for Protective Purchase of The Downtown Middle School) for \$1,425,772.00.	\$1,425,772.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Rowan Co. Div. 9 U-5820 DIVISION	WBS 44392.1.1 New route- from Bendix Drive to US 52 at Newsome Road in Salisbury. Initial funds are requested for preliminary engineering.	\$300,000.00
Anson Co. Div. 10 R-5708 REGIONAL	WBS 46380.1.1 US 74 at intersection of US 74 and SR 1714 (Stanback Ferry Road). Initial funds are requested for preliminary engineering.	\$100,000.00
Cabarrus Co. Div. 10 U-5761 REGIONAL	WBS 50174.1.1 NC 3 (Dale Earnhardt Boulevard) at intersection of NC 3 and US 29/601 (Cannon Boulevard). Initial funds are requested for preliminary engineering.	\$100,000.00
Mecklenburg Co. Div. 10 U-5762 REGIONAL	WBS 50175.1.1 NC 160 (Steele Creek Road) at intersection of NC 160 (Steele Creek Road) and SR 1106 (Hamilton Road). Initial funds are requested for preliminary engineering.	\$150,000.00
Alleghany Co. Div. 11 R-4060 DIVISION	WBS 34605.2.2 US 21 (Sparta Western Loop) from SR 1172 (Grandview Drive) to US 21. \$25,000.00 has previously been approved for appraisal of a specific property. Initial funds are requested for full right of way.	\$2,200,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Ashe Co. Div. 11 B-5147 DIVISION	WBS 42308.2.2 Replace Bridge #327 over Little Buffalo Creek on SR 1509 (Claybank Road). Initial funds are needed for utilities.	\$140,000.00
Surry Co. Div. 11 R-5714 REGIONAL	WBS 50210.1.1 US 601 from US 52 to SR 1365 (Forrest Drive). Initial funds are requested for preliminary engineering.	\$500,000.00
Watauga Co. Div. 11 U-5810 DIVISION	WBS 44383.1.1 SR 1514 (Bamboo Road) from US 421/US 221 to SR 1522 (Deerfield Road). Initial funds are requested for preliminary engineering.	\$500,000.00
Watauga Co. Div. 11 U-5867 DIVISION	WBS 46391.1.1 NC 194 from US 421 (King Street) to SR 1306 (Howards Creek Road). Initial funds are requested for preliminary engineering.	\$500,000.00
Yadkin Co. Div. 11 R-5730 DIVISION	WBS 50222.1.1 SR 1605 (Old US 421) from SR 1146 (Shacktown Road) to SR 1711 (Speer Bridge Road). Initial funds are requested for preliminary engineering.	\$250,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Yadkin Co. Div. 11 U-5809 DIVISION	WBS 44382.1.1 US 601 (State Street) from US 421 to SR 1146 (Lee Avenue). Initial funds are requested for preliminary engineering.	\$750,000.00
Iredell Co. Div. 12 B-4766 REGIONAL	WBS 38538.2.2 Replace Bridge #69 over Rocky Creek on NC 115. Initial funds are needed for utilities.	\$100,000.00
Buncombe Co. Div. 13 U-4715B DIVISION	WBS 39079.1.2 Citywide signal improvements. Initial funds are requested for preliminary engineering.	\$1,875,000.00
Henderson Co. Div. 14 I-5758A STATEWIDE	WBS 52036.3.2 I-26/US 74 from Milemarker 40 to Milemarker 45. Initial funds are requested for construction.	\$400,000.00
Polk Co. Div. 14 I-4729 DIVISION	WBS 34243.1.3 I-26, US 74, & NC 108 interchange. \$250,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$250,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Polk Co. Div. 14 R-5756 DIVISION	WBS 46441.1.1 Realignment of SR 1326 (Pea Ridge Road) and John Sheehan Road and construction of a roundabout at the intersection with US 74. Initial funds are requested for preliminary engineering.	\$100,000.00
Polk Co. Div. 14 R-5756 DIVISION	WBS 46441.2.1 Realignment of SR 1326 (Pea Ridge Road) and John Sheehan Road and construction of a roundabout at the intersection with US 74. Initial funds are requested for full right of way and utilities.	\$100,000.00
Statewide R-9999WM STATEWIDE	WBS 34634.3.S1 Improvements to NCDOT's Wetland Prediction Model. Rainfall Monitoring, Multi-Sensor Precipitation Estimate. \$40,000.00 has previously been approved for project mitigation. Additional funds are requested.	\$40,255.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	8 PPROEJCTS	\$5,356,027.00
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	15 PROJECTS	\$6,035,000.00
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	20 PROJECTS	\$11,615,000.00
STRATEGIC TRANSPORTATION INVESTMENTS	43 PROJECTS	\$23,006.027.00

UPDATED
10/5/15

K-10

**NCDOT October 2015 Board of Transportation Agenda
Approval of State Highway Trust Funds - Urban Loops**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Winston- Salem/ Forsyth Co. Div. 9 U-2579AB REGIONAL	WBS 34839.2.4 Winston-Salem Northern Beltway Eastern Section (Future I-74) from I-40 to I-40 Business / US 421. \$28,852,750.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are requested for advanced acquisition of Specific Parcel 902 (Property of Alice Lavonne Austin) for \$125,276.00	\$125,276.00
TRUST FUND URBAN LOOP	1 PROJECT	\$125,276.00
STRATEGIC TRANSPORTATION INVESTMENTS	43 PROJECTS	\$23,006,027.00
TRUST FUND URBAN LOOP	1 PROJECT	\$125,276.00
SUMMARY OF FUNDS	44 PROJECTS	\$23,131,303.00

October 8, 2015

**NCDOT October 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
Lenoir Co. Div. 2 SS-4902BX	WBS 44591.2.1 NC 11 between SR 1735 (Ferrell Road) and SR 1835 (Grainger Station Road). Initial right of way and utilities funds are needed for safety improvements. File 02-15-35623R	\$32,420.00
Lenoir Co. Div. 2 SS-4902BX	WBS 44591.3.1 NC 11 between SR 1735 (Ferrell Road) and SR 1835 (Grainger Station Road). Initial construction funds are needed for safety improvements. File 02-15-35623C	\$261,000.00
Pitt Co. Div. 2 SS-4902BP	WBS 44258.3.1 NC 222 at SR 1401 (Old River Road). \$52,000.00 in construction funds has previously been approved for widening, splitter island construction with supplemental stop signs and sign revisions. Additional funds are needed due to an increase in construction costs. File 02-14-28429-1	\$24,900.00
Stokes Co. Div. 9 SS-4909BM	WBS 44592.3.1 NC 8 between NC 89 and Virginia State Line, north of Danbury. Initial construction funds are needed for widening and pavement marking installations. File 09-15-003C	\$175,000.00
Cabarrus Co. Div. 10 SS-4910AZ	WBS 43577.3.1 NC 73 (Davidson Highway) at Chadbourn Avenue. \$189,120.00 in construction funds has previously been approved for turn lane construction. Additional funds are needed due to an increase in construction costs. File 10-09-229-4	\$31,275.00

October 8, 2015

**NCDOT October 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
Cherokee Co. Div. 14 SS-4914BP	WBS 43996.3.1 NC 141 from south of SR 1554 to north of SR 1554. \$208,000.00 in construction funds has previously been approved for turn lane construction and superelevation improvements. Additional funds are needed due to an increase in construction costs. File 14-13-209-1	\$149,000.00
Transylvania Co. Div. 14 SS-4914CE	WBS 44556.3.1 NC 280 from approximately 400 feet east of SR 1511 to approximately 0.1 mile east of SR 1510, near Brevard. Initial construction funds are needed for rumble strips installation. File 14-15-213C	\$27,000.00
ITEM L SUMMARY	7 PROJECTS	\$700,595.00

October 8, 2015

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

Division 1

National Highway

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Dare Co. R-3116B REGIONAL	34525.1.5, NHF-12(010) NC 12 from SR 1272 in Hatteras Village extending northward to Second National Park service parking lot on east side of NC 12 (Hatteras Village). \$648,588.00 has previously been approved for preliminary engineering. Additional funds are needed to complete engineering studies.	\$1,000,000.00 \$800,000.00 \$200,000.00	Cost Fed. State
Hyde Co. R-3116A REGIONAL	34525.1.3, NHF-12(009) NC 12 from 0.5 mile south of Hatteras Ferry Terminal extending 4.0 miles southward on Ocracoke Island in Hyde County (Ocracoke Island). \$955,330.00 has previously been approved for preliminary engineering. Additional funds are needed to complete engineering studies.	\$1,000,000.00 \$800,000.00 \$200,000.00	Cost Fed. State

Bridge

Bertie Co. B-5106 DIVISION	42243.2.1, BRSTP-1200(007) Replace Bridge #148 over Wahton Creek on SR 1200. Funds are needed for full right of way and utilities.	\$7,500.00 \$6,000.00 \$1,500.00	Cost Fed. State
Dare Co. B-2500AB REGIONAL	32635.3.9, BRNHF-0012(062) Phase II-Short term improvements at Pea Island. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 4, 2015.	\$28,200,000.00 \$22,560,000.00 \$5,640,000.00	Cost Fed. State

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

Division 1 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Pasquotank Co.	44570.1.1, HSIP-000S(838)	\$30,000.00 Cost
SS-4901AS	US 17 / 158 at Medical Drive at SR 1383 (Cora Drive), at Food	\$27,000.00 Fed.
REGIONAL	Lion / Hall Ford Road, at SR 1346 (Culpepper Lane / Fairway Terrace), and at SR 1306 (Forest Park Road). Funds are needed for preliminary engineering.	\$3,000.00 State

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

Division 2

National Highway

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Pitt Co.	54021.1.1, NHP-0013(045)	\$131,200.00	Cost
U-5730	US 13 (Memorial Drive) at NC 43 (5th Street). \$18,800.00	\$104,960.00	Fed.
REGIONAL	has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$26,240.00	State

Enhancement

Pitt Co.	46305.1.2, STP-0013(046)	\$25,000.00	Cost
ER-5600BA	North Memorial Boulevard on US 13 in Greenville.	\$20,000.00	Fed.
REGIONAL	Funds are needed for preliminary engineering.	\$5,000.00	State

Safety

Craven Co.	44572.1.1, HSIP-1309(013)	\$5,000.00	Cost
SS-4902BZ	SR 1309 (Glenburnie Road) at Brunswick Avenue. Funds	\$4,500.00	Fed.
DIVISION	are needed for preliminary engineering.	\$500.00	State
Craven Co.	50138.1.105, HSIP-0070(195)	\$5,000.00	Cost
W-5601CZ	US 70 at SR 1922 (Taberna Way / Commercial Drive).	\$4,500.00	Fed.
STATEWIDE	Funds are needed for preliminary engineering.	\$500.00	State

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

Division 2 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Lenior SS-4902BX REGIONAL	44591.1.1, HSIP-0011(033) NC 11 between SR 1735 (Ferrell Road) and SR 1835 (Grainger Station Road). Funds are needed for preliminary engineering.	\$45,000.00 \$40,500.00 \$4,500.00	Cost Fed. State
Lenior SS-4902BY REGIONAL	44571.1.1, HSIP-0058(018) NC 58 between the Jones County Line and SR 1900 (Collier Loftin Road). Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State
Pitt Co. SS-4902CA REGIONAL	44573.1.1, HSIP-0031(047) US 13 / NC 11 between NC 903 and SR 1512 (Hollowell Road). Funds are needed for preliminary engineering.	\$2,500.00 \$2,250.00 \$250.00	Cost Fed. State
Pitt Co. W-5601CJ REGIONAL	50138.1.89, HSIP-0043(025) NC 43 between just north of SR 1792 (Bess Farm Road) approximately 0.1 mile south of SR 1793 (Ivan Harris Road); and NC 43 at SR 2241 (Ivey Road). Funds are needed for preliminary engineering.	\$80,000.00 \$72,000.00 \$8,000.00	Cost Fed. State

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

Division 2 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Pitt Co. W-5601CX DIVISION	50138.1.103, HSIP-1755(010) SR 1755 (Black Jack-Simpson Road) between 0.2 mile south and 0.35 mile north of SR 1761 (Beddard Road); and SR 1755 (Black Jack-Simpson Road) at SR 1774 (Mills Road). Funds are needed for preliminary engineering.	\$70,000.00 \$63,000.00 \$7,000.00	Cost Fed. State
Pitt Co. W-5601CY REGIONAL	50138.1.104, HSIP-0264(060) US 264 Alternate (Greenville Boulevard) at SR 1135 (Williams Road) / Koinonia Church Western Driveway in Greenville. Funds are needed for preliminary engineering.	\$60,000.00 \$54,000.00 \$6,000.00	Cost Fed. State

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

Division 3

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
New Hanover Co. I-5760 STATEWIDE	52038.1.1, NHPP-0040(017) I-140 - I-40 to US 421. Funds are needed for preliminary engineering.	\$20,000.00 \$16,000.00 \$4,000.00	Cost Fed. State
Pender Co. I-5722 STATEWIDE	53003.1.1, NHPP-0040(016)393 I-40 west of SR 1318 (Camp Kirkwood Road) to east of NC 210. Funds are needed for preliminary engineering.	\$20,000.00 \$16,000.00 \$4,000.00	Cost Fed. State

Surface Transportation

Brunswick Co. R-5021 DIVISION	41582.2.2, STP-0211(021) NC 211 from SR 1500 (Midway Road) to NC 87. Funds are needed for utilities.	\$1,600,000.00 \$1,280,000.00 \$320,000.00	Cost Fed. State
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Enhancement

New Hanover Co. EB-4411C DIVISION	36333.3.FD3, STPEB-1492(002) SR 1411 (Wrightsville Avenue) from Greenville Avenue to US 76 (Oleander Drive). \$896,000.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$490,000.00 \$392,000.00 \$98,000.00	Cost Fed. State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 3 (Continued)

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wilmington/ New Hanover Co. U-5534B DIVISION	44096.3.3, STPDA-0332(044) The Heidi Trask Drawbridge across US 74 (Wrightsville Avenue) to construct a public walkway. \$358,400.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$252,000.00 \$201,600.00 \$50,400.00	Cost Fed. Local
Wilmington/ New Hanover Co. U-5534C DIVISION	44096.2.F4, STPDA-0332(045) Wrightsville Avenue / Greenville Avenue to Hinton Avenue. Funds are needed for full right of way and utilities.	\$36,027.00 \$28,822.00 \$7,205.00	Cost Fed. Local
New Hanover Co. U-5790 DIVISION	44362.1.FD1, NHP-0421(086) US 421 (Carolina Beach Road) from NC 132 (South College Road) to Sanders Road. \$500,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$500,000.00). Project is to be State Funded.	-\$500,000.00 -\$400,000.00 -\$100,000.00	Cost Fed. State

Safety

Brunswick Co. W-5601DA REGIONAL	50138.1.106, HSIP-0017(153) US 17 and SR 1357 (Smith Avenue). Funds are needed for preliminary engineering.	\$195,000.00 \$175,500.00 \$19,500.00	Cost Fed. State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 3 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Duplin Co.	44575.1.1, HSIP-0024(071)	\$2,500.00	Cost
SS-4903CA	NC 24-903 / NC 903 (Kenansville Bypass) at NC 24 / NC 24	\$2,250.00	Fed.
STATEWIDE	Business. Funds are needed for preliminary engineering.	\$250.00	State
Duplin Co.	44576.1.1, HSIP-0024(072)	\$2,000.00	Cost
SS-4903CB	NC 24 / 903 (Kenansville Bypass) and NC 50. Funds are	\$1,800.00	Fed.
STATEWIDE	needed for preliminary engineering.	\$200.00	State
New Hanover	44574.1.1, HSIP-0017(152)	\$2,100.00	Cost
SS-4903BZ	US 17 Business (Market Street) and Covil / Montgomery	\$1,890.00	Fed.
REGIONAL	Avenue. Funds are needed for preliminary engineering.	\$210.00	State
New Hanover	45333.1.FS27, HSIP-0117(029)	\$55,000.00	Cost
Co.	US 117 / NC 132 (College Road) at Hoggard Drive / Hurst	\$49,500.00	Fed.
W-5203AA	Drive. \$95,000 has previously been approved for preliminary	\$5,500.00	State
STATEWIDE	engineering. Additional funds are needed based on the latest estimate.		

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

Division 3 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
New Hanover Co. W-5601CK STATEWIDE	50138.1.90, HSIP-0074(179) Safety Improvements on Drawbridge #12 over the Intercoastal Waterway at US 74 / 76, Wrightsville Beach. Funds are needed for preliminary engineering.	\$7,000.00 \$6,300.00 \$700.00	Cost Fed. State
New Hanover Co. W-5601DH DIVISION	50138.1.113, HSIP-0017(154) Intersection of US 17 Business (3rd Street) and Dock Street in Wilmington. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State
Onslow Co. W-5601DB REGIONAL	50138.1.107, HSIP-0053(019) NC 53 (Western Boulevard) (Formerly SR 1470) and Cross Point / Lowe's Entrance (Now SR 2716 Exchange Drive) in Jacksonville. Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Cost Fed. State
Pender Co. SS-4903CC REGIONAL	44577.1.1, HSIP-0053(018) NC 53 and NC 50. Funds are needed for preliminary engineering.	\$9,000.00 \$8,100.00 \$900.00	Cost Fed. State

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

Division 3 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Sampson Co. SS-4903CD DIVISION	44578.1.1, HSIP-1233(007) SR 1233 (Autryville / Bonnettsville Road) from western municipal limits of Salemburg to NC 24 in Autryville. Funds are needed for preliminary engineering.	\$55,000.00 \$49,500.00 \$5,500.00	Cost Fed. State
Statewide W-5601DG STATEWIDE	50138.1.112, HSIP-0040(018) I-40, I-140, and US 74 / 76. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State

**NCDOT October 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 Co. I-5786 STATEWIDE	53026.1.FS1, NHPP-0095(031) I-95 from 0.4 mile north of US 70 Bypass to 0.2 mile north of NC 222. Funds are needed for preliminary engineering.	\$200,000.00 \$160,000.00 \$40,000.00	Cost Fed. State
Nash Co. I-5725 STATEWIDE	52003.3.1, NHPP-0095(020)136 I-95 from 1 mile north of NC 58 to SR 1700 (Oak Level Road). Funds are needed for construction for pavement rehabilitation.	\$1,130,000.00 \$904,000.00 \$226,000.00	Cost Fed. State
Nash Co. I-5761 STATEWIDE	53004.3.1, NHPP-0095(025)137 I-95, SR 1700 (Oak Level Road) (Milepost 135.7) to SR 1770 (Sunset Avenue) (Milepost 137.4). Funds are needed for construction for pavement rehabilitation.	\$720,000.00 \$576,000.00 \$144,000.00	Cost Fed. State

Bridge

Nash Co. BP-5500I REGIONAL	50070.3.9, BRSTP-0064(183) Bridge #189 and Bridge #195 on US 64 Business in Rocky Mount. Funds are needed for construction for bridge preservation.	\$667,000.00 \$533,600.00 \$133,400.00	Cost Fed. State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4 (Continued)

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wayne Co.	50070.3.34, BRSTP-0581(028)	\$598,000.00	Cost
BP-5500HH	Bridge #18 over the Neuse River, NC 581 in Wayne County.	\$478,400.00	Fed.
REGIONAL	Funds are needed for construction for bridge preservation.	\$119,600.00	State

Safety

Edgecombe Co.	44579.1.1, HSIP-0064(185)	\$1,500.00	Cost
SS-4904DM	US 64 between Exit 485 overhead sign guardrail and the Tar	\$1,350.00	Fed.
STATEWIDE	River Bridge guardrail, a distance of 0.14 mile. Funds are needed for preliminary engineering.	\$150.00	State
Nash Co.	50138.1.93, HSIP-0095(030)	\$10,000.00	Cost
W-5601CN	I-95; Replace Guardrail End Units at approximately 37 locations	\$9,000.00	Fed.
STATEWIDE	on I-95 in Nash County and replace approximately 1 Guardrail End Unit in Wilson County. Funds are needed for preliminary engineering.	\$1,000.00	State
Wayne Co.	50138.1.92, HSIP-1003(143)	\$4,000.00	Cost
W-5601CM	SR 1003 (New Hope Road) at SR 1565 (Cuyler Best Road).	\$3,600.00	Fed.
DIVISION	Funds are needed for preliminary engineering.	\$400.00	State

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

Division 4 (Continued)

Rail Program

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Johnston Co. Z-5400DA DIVISION	43600.3.33, STPRR-2302(001) Railway-Highway Grade Crossing Safety Project at the intersection of SR 2302 (Ricks Road) and the CSX Transportation Tracks, Crossing #629 956C in Selma. Funds are needed for construction to upgrade Railway-Highway Grade Crossing.	\$527,249.00 \$474,524.00 \$52,725.00	Cost Fed. State
Nash Co. Y-4804A STATEWIDE	40325.2.7, STP-0431(015) Rocky Mount Traffic Separation Study. Funds are needed for full right of way.	\$5,000.00 \$5,000.00	Cost Fed.

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

Division 5

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Granville Co. C-5166A EXEMPT	46232.2.F1, CMS-0504(003) NC 56 Greenway in Creedmoor. Funds are needed for full right of way and utilities.	\$64,371.00 Cost \$51,497.00 Fed. \$12,874.00 Local
Granville Co. C-5166B EXEMPT	46232.2.F2, CMS-0504(004) NC 56 Greenway in Creedmoor. Funds are needed for full right of way and utilities.	\$101,032.00 Cost \$80,826.00 Fed. \$20,206.00 Local

Enhancement

Durham Co. EB-4707A DIVISION	38664.2.FD1, STPDA-0537(002) SR 1838 (Junction Road) / SR 2220 (Chapel Hill Road) from US 15 / 501 in Orange County to SR 1113 (Pope Road) in Durham County. Funds are needed for full right of way and utilities.	\$1,053,000.00 Cost \$842,400.00 Fed. \$210,600.00 Local
Wake Co./Raleigh EL-5100AD DIVISION	41821.2.38, STPDA-0527(015) SR 1931 (West Oak Avenue) and NC 98 Business (Wait Avenue). Funds are needed for full right of way.	\$93,000.00 Cost \$74,400.00 Fed. \$18,600.00 Local

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

Division 5 (Continued)

Enhancement

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wake Co. EL-5100AE DIVISION	41821.3.F41, STPDA-0527(016) Dunn Creek Greenway Downtown Connector in Wake Forest. Funds are needed for construction.	\$332,600.00 \$266,080.00 \$66,520.00	Cost Fed. Local

Urban

Wake Co./Raleigh U-5514 STATEWIDE	55055.3.1, STPDA-0520(048) Capital Boulevard from SR 2041 (Spring Forest Road) to SR 3555 (Old Wake Forest Road) 1.1 mile. Funds are needed for construction for street improvements.	\$516,250.00 \$413,000.00 \$103,250.00	Cost Fed. Local
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Bridge

Person Co. B-5102 STATEWIDE	42237.2.2, BRSTP-0158(037) Replace Bridge #11 over South Hyco Creek on US 158. Funds are needed for utilities.	\$80,000.00 \$64,000.00 \$16,000.00	Cost Fed. State
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Safety

Wake Co. SS-4905DA REGIONAL	44580.1.1, HSIP-0064(186) US 64 Business in the vicinity of SR 2655 (Three Sisters Road). Funds are needed for preliminary engineering.	\$2,000.00 \$1,800.00 \$200.00	Cost Fed. State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wake Co. W-5205E REGIONAL	45335.3.5, HSIP-0050(013) NC 50 from I-540 to SR 1831 (Old Creedmoor Road). Funds are needed for construction to install guardrail.	\$945,000.00 \$850,500.00 \$94,500.00	Cost Fed. State
Wake Co. W-5601AY STATEWIDE	50138.3.52, HSIP-0540(031) US 64 from I-540 to SR 1011 (Salem Street) / SR 1613 (Davis Drive) in Wake County. Funds are needed for construction for safety improvements.	\$250,000.00 \$225,000.00 \$25,000.00	Cost Fed. State
Wake Co. W-5601CO DIVISION	50138.1.94, HSIP-1301(008) SR 1301 (Sunset Lake Road) at SR 1393 (Bass Lake Road / Hilltop Needmore Road) in Fuquay-Varina. Funds are needed for preliminary engineering.	\$65,000.00 \$58,500.00 \$6,500.00	Cost Fed. State
Wake Co. W-5601CP STATEWIDE	50138.1.95, HSIP-0040(016) I-40, I-440, and NC 55. Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State

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

Division 5 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wake Co.	50138.3.95, HSIP-0040(016)	\$140,000.00	Cost
W-5601CP	I-40, I-440, and NC 55. Funds are needed for construction for	\$126,000.00	Fed.
STATEWIDE	safety improvements.	\$14,000.00	State
Wake Co.	50138.1.96, HSIP-2012(001)	\$1,000.00	Cost
W-5601CQ	SR 2012 (Litchford Road) at Hunting Ridge Road / Rowland	\$900.00	Fed.
DIVISION	Road. Funds are needed for preliminary engineering.	\$100.00	State
Wake Co.	50138.1.97, HSIP-0070(194)	\$95,000.00	Cost
W-5601CR	US 70 Business at SR 2555 (Raynor Road / Auburn-Knightdale	\$85,500.00	Fed.
DIVISION	Road). Funds are needed for preliminary engineering.	\$9,500.00	State

Rail Program

Wake Co.	43600.3.47, RR-3014(003)	\$57,000.00	Cost
Z-5400ED	Railway-Highway Grade Crossing Safety Project at SR 3014	\$45,600.00	Fed.
DIVISION	(Morrisville-Carpenter Road) and the Norfolk Southern Railway Tracks; Crossing #734 753J. Funds are needed for construction to install a Vehicle Detection System.	\$11,400.00	State

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

Division 5 (Continued)

Rail Program

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wake Co. Z-5400ED DIVISION	43600.1.47, RR-3014(003) Railway-Highway Grade Crossing Safety Project at SR 3014 (Morrisville-Carpenter Road) and the Norfolk Southern Railway Tracks; Crossing #734 753J. Funds are needed for preliminary engineering.	\$18,000.00 \$14,400.00 \$3,600.00	Cost Fed. State
Wake Co. Z-5400EE DIVISION	43600.3.50, RR-2683(001) Railway-Highway Grade Crossing Safety Project at SR 2683 (Rush Street) and the Norfolk Southern Railway Tracks; Crossing #735 480V. Funds are needed for construction for the upgrade of existing signals and gates.	\$501,000.00 \$400,800.00 \$100,200.00	Cost Fed. State
Wake Co. Z-5400EE DIVISION	43600.1.50, RR-2683(001) Railway-Highway Grade Crossing Safety Project at SR 2683 (Rush Street) and the Norfolk Southern Railway Tracks; Crossing #735 480V. Funds are needed for preliminary engineering.	\$74,000.00 \$59,200.00 \$14,800.00	Cost Fed. State

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

Division 6

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Harnett Co. I-5877 DIVISION	53077.1.1, NHPP-0095(032)69 I-95 at SR 1811 (Bud Hawkins Road). Funds are needed for preliminary engineering.	\$500,000.00 \$400,000.00 \$100,000.00	Cost Fed. State
Harnett Co. I-5883 DIVISION	53083.1.1, NHPP-0095(033)74 I-95 at SR 1808 (Jonesboro Road). Funds are needed for preliminary engineering.	\$500,000.00 \$400,000.00 \$100,000.00	Cost Fed. State

Enhancement

Columbus Co. ER-5600FA STATEWIDE	46305.1.4, STP-0701(032) Ornamental Planting along US 701, Tabor City in Columbus County. Funds are needed for preliminary engineering.	\$10,000.00 \$8,000.00 \$2,000.00	Cost Fed. State
Harnett Co. EL-5100LC DIVISION	41821.3.F38, STPDA-0602(012) Angier, Lillington, Will and Roy Street Sidewalk Project; sidewalk along Willow Street in the Town's Community Pool; along Roy Street from Willow Street to Broad Street; and along West Lillington Street from South Raleigh Street to Park Street. \$376,300.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$177,676.00 \$88,838.00 \$88,838.00	Cost Fed. Local

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

Division 6 (Continued)

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Columbus Co. BD-5106L DIVISION	45352.2.12, BRSTP-0904(008) Replace Bridge #79 over a Flood Control Canal on NC 904. \$30,000.00 has previously been approved for right of way and utilities. Additional funds are needed based on the latest estimate.	\$75,000.00 \$60,000.00 \$15,000.00	Cost Fed. State

Safety

Cumberland Co. W-5206AF DIVISION	45336.3.32, HSIP-1400(009) SR 1400 (Cliffdale Road) at McPherson Church Road in Fayetteville. Funds are needed for construction for safety improvements.	\$485,000.00 \$436,500.00 \$48,500.00	Cost Fed. State
Cumberland Co. W-5601AG REGIONAL	50138.2.34, HSIP-0053(017) NC 53 (Cedar Creek Road) from west of I-95 to east of I-95. Funds are needed for full right of way and utilities.	\$125,000.00 \$112,500.00 \$12,500.00	Cost Fed. State
Cumberland Co. W-5601AN DIVISION	50138.3.41, HSIP-1113(011) SR 1113 (Waldo's Beach Road) at SR 1112 (Rockfish Road) and SR 1113 (Waldo's Beach Road) at SR 1003 (Camden Road). Funds are needed for construction for safety improvements.	\$135,500.00 \$121,950.00 \$13,550.00	Cost Fed. State

**NCDOT October 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	
Cumberland Co. W-5601DD DIVISION	50138.1.109, HSIP-1600(016) SR 1600 (McCormick Bridge / McArthur Road) curve at SR 1605 (Johnson Farm Road), and adjacent curve located south of SR 1605 (Johnson Farm Road) in Fayetteville and Fort Bragg. Funds are needed for preliminary engineering.	\$110,000.00 \$99,000.00 \$11,000.00	Cost Fed. State
Cumberland Co. W-5601DE DIVISION	50138.1.110, HSIP-1141(028) SR 1141 (Cumberland Road) from SR 1219 (Ireland Drive) to SR 1149 (Boone Trail). Funds are needed for preliminary engineering.	\$30,000.00 \$27,000.00 \$3,000.00	Cost Fed. State
Harnett Co. W-5601AF DIVISION	50138.2.33, HSIP-1115(021) SR 1115 (Buffalo Lake Road) from north of SR 2530 (Cameron Pines Drive) to south of SR 1114 (Blanchard Road). Funds are needed for full right of way and utilities.	\$50,000.00 \$45,000.00 \$5,000.00	Cost Fed. State
Robeson Co. SS-4906CH DIVISION	44581.1.1, HSIP-1318(015) SR 1318 (Mount Zion Church) 1.4 miles southwest of SR 1784 (Coy Road). Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Cost Fed. State

**NCDOT October 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-5601DC DIVISION	50138.1.108, HSIP-1527(009) SR 1527 (Pine Log) at SR 1528 (Carthage) near the City of Lumberton. Funds are needed for preliminary engineering.	\$175,000.00 \$157,500.00 \$17,500.00	Cost Fed. State
Robeson Co. W-5601DF DIVISION	50138.1.111, HSIP-1709(003) SR 1709 (Chason Road) in Robeson County from NC 71 to the Hoke County Line; and SR 1440 (Everitte Road) in Hoke County from the Robeson County Line to SR 1003 (Chicken Road). Funds are needed for preliminary engineering.	\$110,000.00 \$99,000.00 \$11,000.00	Cost Fed. State

Rail Program

Bladen Co. Z-5400FG DIVISION	43600.3.42, STPRR-1136(011) Railway-Highway Grade Crossing Safety Project at the intersection of SR 1136 (White-McEwen Road) and the CSX Transportation Tracks; Crossing #623 990N in Abbottsburg. Funds are needed for construction to upgrade highway / railway grade crossing, flashers and gates.	\$256,711.00 \$231,040.00 \$25,671.00	Cost Fed. State
Robeson Co. Z-5400FF DIVISION	43600.1.30, STPRR-1752(004) SR 1752 (Rennert Road) at Crossing #629 583F near the Town of Rex. \$22,500.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State

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

Division 7

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Alamance Co. I-5711 STATEWIDE	50401.1.FS1, NHPP-040-4(161) 220 I-40 / I-85 and SR 1107 (Mebane-Oaks Road) intersection in Mebane. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$500,000.00 Cost \$400,000.00 Fed. \$100,000.00 State

Congestion Mitigation

Guilford Co. C-5558 EXEMPT	55063.3.F1, CMS-0710(029) City of High Point Signal System 80 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 4, 2015.	\$8,300,000.00 Cost \$6,640,000.00 Fed. \$1,411,000.00 State \$249,000.00 Local
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Enhancement

Durham Co. ER-5600GA STATEWIDE	46305.1.3, STP-0537(007) US 15-501 Wooden Noise Wall in Chapel Hill. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,000.00 Fed. \$1,000.00 State
Guilford Co. EB-5519 DIVISION	50035.3.1, STPEB-0712(004) Lydia Greenway Trail from the Jamestown Municipal Building to Guilford Technical Community College Jamestown Campus / Ragsdale High School Complex. Funds are needed for Greenway construction.	\$850,000.00 Cost \$680,000.00 Fed. \$170,000.00 State

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

Division 7 (Continued)

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Alamance Co. B-5346 DIVISION	46060.1.1, BRZ-1529(010) Replace Bridge #3 over a Creek on SR 1529. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$200,000.00 \$160,000.00 \$40,000.00	Cost Fed. State
Guilford Co. B-5717 DIVISION	45673.1.1, NHP-4240(001) Replace Bridge #121 over Buffalo Creek on SR 4240 (East Lee Street). Funds are needed for preliminary engineering.	\$500,000.00 \$400,000.00 \$100,000.00	Cost Fed. State
Orange Co. B-4962 REGIONAL	40174.1.1, BRSTP-0070(120) Replace Bridge #46 over Eno River on US 70 Bypass. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$300,000.00 \$240,000.00 \$60,000.00	Cost Fed. State
Rockingham Co. B-4802 DIVISION	38572.1.1, BRZ-1002(024) Replace Bridge #18 over the Haw River on SR 1002. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$250,000.00 \$200,000.00 \$50,000.00	Cost Fed. State

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

Division 7 (Continued)

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Rockingham Co. B-5716 DIVISION	45672.1.1, BRZ-1138(021) Replace Bridge #140 over Dan River in Madison on SR 1138 (Lindsey Bridge Road). Funds are needed for preliminary engineering.	\$300,000.00 \$240,000.00 \$60,000.00	Cost Fed. State

Planning and Research

Guilford Co. M-0503 STATEWIDE	44559.1.1, SHRP-0710(035) Multi-Modal Transportation Facility Vision / Concept Plan High Point MPO. Funds are needed for preliminary engineering for FY 2015 allocation.	\$50,000.00 \$50,000.00	Cost Fed.
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Rail Program

Guilford Co. Z-5400GE DIVISION	43600.3.38, STPRR-0708(065) Railway-Highway Grade Crossing Safety Project at the intersection of Yanceyville Street and the Norfolk Southern Railway Tracks; Crossing #722 542D in Greensboro. \$103,000.00 has previously been approved for construction. Funds are needed for construction based on the latest estimate.	\$445,000.00 \$400,500.00 \$44,500.00	Cost Fed. State
Guilford Co. Z-5400GJ DIVISION	43600.3.FD46, STPRR-0710(030) Highway-Railway Grade Crossing Safety Project, Pendleton Street and the Norfolk Southern Railroad Tracks; Crossing #736 238R in High Point. \$400,000.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$88,000.00 \$79,200.00 \$8,800.00	Cost Fed. State

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

Division 8

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
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 in Pittsboro. \$102,440.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$15,160.00 Cost \$12,128.00 Fed. \$3,032.00 Local

Enhancement

Moore Co. ER-5600HA REGIONAL	46305.3.2, STP-0829(006) The Pinehurst Traffic Circle for Fall 2015 and Spring 2016. Funds are needed for planting annual flowers.	\$45,000.00 Cost \$36,000.00 Fed. \$9,000.00 State
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Bridge

Montgomery Co. B-4780 DIVISION	38551.3.FD1, BRZ-1111(008) Replace Bridge #22 over Richland Creek on SR 1111 (Lilly's Bridge Road). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 4, 2015.	\$525,000.00 Cost \$420,000.00 Fed. \$105,000.00 State
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Safety

Chatham Co. W-5601CL STATEWIDE	50138.1.91, HSIP-0064(184) US 64 at SR 1716 (Big Woods Road) / SR 1941 (Seaforth Road). Funds are needed for preliminary engineering.	\$70,000.00 Cost \$63,000.00 Fed. \$7,000.00 State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 8 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Scotland Co. W-5208MA REGIONAL	45338.1.14, HSIP-0015(049) US 15 / 501 at the intersection of US 15 / 501 and NC 144. Funds are needed for preliminary engineering.	\$65,000.00 \$58,500.00 \$6,500.00	Cost Fed. State
Scotland Co. W-5601BD REGIONAL	50138.2.57, HSIP-0074(175) US 74 at NC 144 and SR 1305 (Ida Mill Road). Funds are needed for full right of way and utilities.	\$50,000.00 \$45,000.00 \$5,000.00	Cost Fed. State

Rail Program

Randolph Co. Z-5400HB DIVISION	43600.3.51, STPRR-0803(008) Railway-Highway Grade Safety Project at the intersection of SR 1504 (Spero Road) and the Norfolk Southern Railway Tracks; Crossing #722 407C in Asheboro. Funds are needed for construction to upgrade Railway-Highway Grade Crossing.	\$275,000.00 \$247,500.00 \$27,500.00	Cost Fed. State
Scotland Co. Z-5400HA DIVISION	43600.3.48, STPRR-1643(003) Railway-Highway Grade Crossing Safety Project at the intersection of SR 1643 (Biggs Street) and the CSX Transportation Tracks; Crossing #630 925A in Laurinburg. Funds are needed for construction to upgrade Railway-Highway Grade Crossing.	\$220,800.00 \$198,720.00 \$22,080.00	Cost Fed. State

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

Division 9

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Davidson Co. B-3159 REGIONAL	38331.3.FR1, STPNHS-0052(031) Replace Bridge #27 over US 29-64-70 / I-85 Business Loop on US 52 / NC 8, 0.289 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 4, 2015.	\$12,900,000.00 \$10,320,000.00 \$2,580,000.00	Cost Fed. State

Safety

Davidson Co. SS-4909BL DIVISION	44582.1.1, HSIP-2932(001) SR 2932 (Old Highway 52) at US 52 northbound Ramps / SR 1815 (Thomas Road) northeast of Welcome. Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State
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Rail Program

Rowan Co. P-5206A STATEWIDE	43217.3.2, STP-000S(837) Proposed Private Crossing closure at Reid Farm Drive, Crossing #724 366P, Railroad Milepost Main 337.52 in Salisbury. Funds are needed for construction for safety improvements.	\$750,000.00 \$750,000.00	Cost Fed.
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**NCDOT October 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-5405 STATEWIDE	45454.1.5, NHP-077-1(228)9 I-77 from I-277 (Brookshire Freeway) to West Catawba Avenue (Exit 28). Additional funds are needed for preliminary engineering.	\$100,000.00 \$80,000.00 \$20,000.00	Cost Fed. State
Mecklenburg Co. I-5405 STATEWIDE	45454.3.5, NHF-077-1(229)9 I-77 from I-277 (Brookshire Freeway) to West Catawba Avenue (Exit 28). Funds are needed for construction to construct High Occupancy Toll (HOT) Lanes.	\$81,000,000.00 \$64,800,000.00 \$16,200,000.00	Cost Fed. State
Mecklenburg Co. I-5405 STATEWIDE	45454.2.FS1, NFH-077-1(209)9 I-77 from I-277 (Brookshire Freeway) to West Catawba Avenue (Exit 28). Funds are needed for full right of way.	\$4,000,000.00 \$3,200,000.00 \$800,000.00	Cost Fed. State
Mecklenburg Co. I-5405A EXEMPT	45454.1.6, NHP-077-1(255)17 I-77 at Lakeview Road Interchange. Funds are needed for preliminary engineering. This is a Strategic Transportation Investments Bonus Allocation project.	\$300,000.00 \$240,000.00 \$60,000.00	Cost Fed. State

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

Division 10 (Continued)

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Mecklenburg Co. I-5405B EXEMPT	45454.1.7, NHP-077-1(226)20 I-77 at Hambright Road Interchange. Funds are needed for preliminary engineering. This is a Strategic Transportation Investments Bonus Allocation project.	\$300,000.00 \$240,000.00 \$60,000.00	Cost Fed. State

Bridge

Anson Co. B-2506 DIVISION	32638.2.2, BRZ-1627(013) Replace Bridge #8 over Brown Creek on SR 1627. Funds are needed for full right of way and utilities.	\$75,000.00 \$60,000.00 \$15,000.00	Cost Fed. State
Anson Co. B-5009 DIVISION	41538.3.F1, BRZ-1027(002) Replace Bridge #90 on East Wade Street over Moss Creek in Wadesboro. \$475,000.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$107,575.00 \$86,060.00 \$21,515.00	Cost Fed. Local
Anson Co. B-5935 DIVISION	46439.3.1, BRZ-1600(015) Replace Bridge #201 over Big Branch Creek on SR 1600 (Rocky Mount Church Road). Funds are needed for construction.	\$500,000.00 \$400,000.00 \$100,000.00	Cost Fed. State

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

Division 10 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Cabarrus Co. W-5601CW DIVISION	50138.1.102, HSIP-0049(034) NC 49 and SR 1309 (Stough Road). Funds are needed for preliminary engineering.	\$50,000.00 \$45,000.00 \$5,000.00	Cost Fed. State
Union Co. SS-4910BY DIVISION	44583.1.1, HSIP-1315(015) SR 1315 (New Town Road) in the vicinity of SR 3644 (Crooked River Drive) near Weddington. Funds are needed for preliminary engineering.	\$45,000.00 \$40,500.00 \$4,500.00	Cost Fed. State
Union Co. W-5601AC REGIONAL	50138.1.FR30, HSIP-0075(004) NC 75 (Waxhaw Highway) and SR 1007 (Rocky River Road) / SR 1150 (Old Waxhaw Monroe Road) near Monroe. \$130,000 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$65,000.00 \$58,500.00 \$6,500.00	Cost Fed. State
Union Co. W-5601CS DIVISION	50138.1.98, HSIP-1315(016) SR 1315 (New Town Road) from SR 1008 (Waxhaw-Indian Trail Road) to SR 1388 (Will Plyler Road) in Wesley Chapel; SR 1315 (New Town Road) and SR 1336 (Chambwood Road) near Wesley Chapel. Funds are needed for preliminary engineering.	\$120,000.00 \$108,000.00 \$12,000.00	Cost Fed. State

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

Division 10 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Union Co.	50138.1.99, HSIP-0074(180)	\$150,000.00	Cost
W-5601CT	US 74 at SR 1941 (Old Pageland-Monroe Road) in Monroe.	\$135,000.00	Fed.
STATEWIDE	Funds are needed for preliminary engineering.	\$15,000.00	State

Planning and Research

Mecklenburg Co.	44560.1.1, SHRP-1003(142)	\$200,000.00	Cost
M-0504	Charlotte Regional Transportation Planning Organization	\$200,000.00	Fed.
STATEWIDE	(CRTPO) Greater Regional Freight Mobility Plan in North Carolina and South Carolina. Funds are needed for preliminary engineering for FY 2015 allocation.		

Rail Program

Mecklenburg Co.	43600.1.59, RR-2459(002)	\$20,000.00	Cost
Z-5400JH	Railway-Highway Grade Crossing Safety Project at SR 2459	\$18,000.00	Fed.
DIVISION	(Independence Hill Road) at Norfolk Southern Railway Tracks; Crossing #721 756S. Funds are needed for preliminary engineering.	\$2,000.00	State

Congestion Mitigation

Cabarrus Co.	46222.1.F1, CMS-1099(004)	\$91,000.00	Cost
C-5157	Construct sidewalks on Tom Query Road, Robinson Church	\$72,800.00	Fed.
EXEMPT	Road and Stallings Road in Harrisburg. Funds are needed for preliminary engineering.	\$18,200.00	Local

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

Division 11

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Surry Co. I-5749 STATEWIDE	52027.1.1, NHPP-0077(003)98 I-77 from SR 1341 (White Dirt Road) to 1.3 miles north of SR 1345 (Beulah Road). Funds are needed for preliminary engineering.	\$50,000.00 \$40,000.00 \$10,000.00	Cost Fed. State
Surry Co. I-5801 STATEWIDE	50444.1.1, NHPP-0077(004)86 I-77 from 1.2 miles north of US 21 to 0.4 mile north of SR 1136 (Ebenezer Church Road). Funds are needed for preliminary engineering.	\$50,000.00 \$40,000.00 \$10,000.00	Cost Fed. State
Surry Co. I-5802 STATEWIDE	50445.1.1, NHPP-0077(005)86 I-77 from SR 1131 (Fax Welborn Road) to 1 mile north of SR 1131 (Fax Welborn Road). Funds are needed for preliminary engineering.	\$50,000.00 \$40,000.00 \$10,000.00	Cost Fed. State

Bridge

Yadkin Co. BD-5111AB DIVISION	45357.3.FD28, BRZ-1546(020) Replace Bridge #98 over Hall Creek on SR 1546. Funds are needed for construction for bridge replacement.	\$775,000.00 \$620,000.00 \$155,000.00	Cost Fed. State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Iredell Co. I-4750AC EXEMPT	40099.1.9, NHP-077-1(227)30 I-77 at Exit 30 (Griffith Street) Interchange. Funds are needed for preliminary engineering. This is a Strategic Transportation Investments Bonus Allocation project.	\$200,000.00 \$160,000.00 \$40,000.00	Cost Fed. State

Enhancement

Catawba Co. EB-3314 H DIVISION	33935.2.FD8, STPEB-0070(178) Highway 70 and NC 16 Business in Conover. Funds are needed for construction of sidewalks.	\$250,000.00 \$200,000.00 \$50,000.00	Cost Fed. State
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Urban

Gaston Co. U-3633 REGIONAL	37649.1.1, STP-0273(001) NC 273 (South Main Street) from Tuckaseege Road at (Beatty Drive) to Highland Street. \$1,733,451.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$50,000.00 \$40,000.00 \$10,000.00	Cost Fed. State
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Bridge

Alexander Co. B-4405 DIVISION	38355.1.FD1, BRZ-1605(005) Replace Bridge #130 over Elk Shoals Creek on SR 1605. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$200,000.00 \$160,000.00 \$40,000.00	Cost Fed. State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12 (Continued)

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Cleveland Co. B-5391 DIVISION	46106.1.1, BRZ-1609(002) Replace Bridge # 139 over Glade Creek on SR 1609. \$150,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on latest estimate.	\$250,000.00 \$200,000.00 \$50,000.00	Cost Fed. State

Safety

Catawba Co. SS-4912BR REGIONAL	44585.1.1, HSIP-0127(014) NC 127 at 3rd Avenue SE. Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State
Catawba Co. W-5212M DIVISION	45342.2.13, HSIP-1005(035) SR 1005 (Startown Road) at SR 1165 (Settlemyre Bridge Road). Funds are needed for full right of way and utilities.	\$180,000.00 \$162,000.00 \$18,000.00	Cost Fed. State

Rail Program

Gaston Co. Z-5400LD DIVISION	43600.3.56, RR-2717(002) SR 2717 Parkdale Drive in Belmont, Crossing #716 188K / Norfolk Southern. Funds are needed for construction of railway crossing signals and gates.	\$337,000.00 \$303,300.00 \$33,700.00	Cost Fed. State
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**NCDOT October 2015 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12 (Continued)

Rail Program

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Gaston Co.	43600.1.61, RR-2466(001)	\$20,000.00	Cost
Z-5400LF	Railway-Highway Grade Crossing Safety Project at SR 2466	\$18,000.00	Fed.
DIVISION	(Garrison Boulevard) at Norfolk Southern Railway Tracks; Crossing #729 950M in Gastonia. Funds are needed for preliminary engineering.	\$2,000.00	State

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

Division 13

Enhancement

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Buncombe Co. E-5504 DIVISION	44115.3.1, STPE-000S(766) Zebulon B. Vance Birthplace State Historic Site renovation of Visitor Center to include updated exhibits, improved theater space, expanded gift shop, and related amenities with exhibits focusing on transportation issues in the 19th Century. Funds are needed for construction.	\$75,020.00 Cost \$60,016.00 Fed. \$15,004.00 Local

Safety

Buncombe Co. SS-4913CA REGIONAL	44586.1.1, HSIP-0025(036) US 25 (Biltmore Avenue) at Hilliard Avenue / Market Street in Asheville. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Burke Co. SS-4913CB STATEWIDE	44587.1.1, HSIP-0040(015) I-40 at various narrow bridges in Burke County (12 total) near Morganton. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

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

Division 14

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Haywood Co. I-5756 STATEWIDE	52034.1.1, NHPP-0040(018)23 I-40 from 0.4 miles east of SR 1366 (Orchard Cove Road) to 0.2 miles east of SR 1513 (Hyder Mountain Road). Funds are needed for preliminary engineering.	\$800,000.00 \$640,000.00 \$160,000.00	Cost Fed. State
Henderson Co. I-5758 STATEWIDE	52036.1.1, NHPP-0026(002)40 I-26 / US 74 from Buncombe County line to 1 mile east of SR 1534 (South Naples Road). Funds are needed for preliminary engineering.	\$550,000.00 \$440,000.00 \$110,000.00	Cost Fed. State
Henderson Co. I-5759 STATEWIDE	52037.1.1, NHPP-0026(006)21 I-26 from 1 mile east of SR 1793 (Tracy Grove Road) to 0.2 mile east of US 25. Funds are needed for preliminary engineering.	\$600,000.00 \$480,000.00 \$120,000.00	Cost Fed. State

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

Division 14 (Continued)

Appalachian

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Swain Co. A-0009 STATEWIDE	32572.1.FS10, APD-0074(178) Regional Planning-Project Administered by the Southwestern Commission. Corridor K (Future US 74). Funds are needed for preliminary engineering.	\$500,000.00 \$400,000.00 \$100,000.00	Cost Fed. State

Urban

Transylvania Co. U-5104 REGIONAL	41902.3.FR1, STP-064B(003) US 64 Business / Caldwell Street from US 64 (Rosman Highway) to SR 1348 (Probart Street), 0.666 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 4, 2015.	\$2,000,000.00 \$1,600,000.00 \$400,000.00	Cost Fed. State
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Safety

Clay Co. W-5601CV DIVISION	50138.1.101, HSIP-1330(011) SR 1330 (Cold Branch Road) from SR 1307 (Woods Road) to SR 1328 (Peckerwood Road), near Hayesville. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State
Graham Co. SS-4914CF REGIONAL	44588.1.1, HSIP-0028(009) NC 28 from NC 143 to a point 1.05 miles west of SR 1245. Funds are needed for preliminary engineering.	\$25,000.00 \$22,500.00 \$2,500.00	Cost Fed. State

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

Division 14 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Henderson Co. SS-4914CH REGIONAL	44590.1.1, HSIP-0176(007) US 176 (Spartanburg Highway) at SR 1758 (Glover Street) in Hendersonville. Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State
Jackson Co. W-5601CA REGIONAL	50138.3.80, HSIP-0107(014) NC 107 at SR 1325 (Long Branch Road) and SR 1330 (North Country Club Drive) in Cullowhee. Funds are needed for construction for safety improvements.	\$25,000.00 \$22,500.00 \$2,500.00	Cost Fed. State
Polk Co. W-5601BP REGIONAL	50138.3.69, HSIP-0009(007) NC 9 from the South Carolina state line to the Rutherford County line, near Columbus. Funds are needed for construction for safety improvements.	\$225,000.00 \$202,500.00 \$22,500.00	Cost Fed. State
Polk Co. W-5601CU REGIONAL	50138.1.100, HSIP-0108(005) NC 108, 0.5 mile east of SR 1556 (Industrial Park Road) near Columbus. Funds are needed for preliminary engineering.	\$3,000.00 \$2,700.00 \$300.00	Cost Fed. State

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

Division 14 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Transylvania Co.	44589.1.1, HSIP-0276(015)	\$15,000.00	Cost
SS-4914CG	US 276 from the South Carolina State Line to SR 1207 near	\$13,500.00	Fed.
REGIONAL	Brevard. Funds are needed for preliminary engineering.	\$1,500.00	State

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

Statewide

Enhancement

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Statewide E-4975 DIVISION	39831.3.F1, STP-000S(430) Divisions 11, 13, and 14 - Blue Ridge National Heritage Area Trails Program. \$112,000.00 has previously been approved for construction. Additional funds are needed for the installation of Interpretive Signage in Western Carolina.	\$134,291.00 \$107,433.00 \$26,858.00	Cost Fed. Local
Statewide EB-4411 STATEWIDE	36333.3.1, STP-000S(368) Statewide Roadway Improvements for Bicycle Safety on State and Local Designated Bike Routes. \$5,298,200.00 has previously been approved for construction. Funds need to be reduced \$490,000.00 based on the latest estimate.	-\$490,000.00 -\$392,000.00 -\$98,000.00	Cost Fed. State

Safety

Statewide W-5601BN STATEWIDE	50138.3.67, HSIP-000S(836) Multiple locations identified throughout Divisions 1 and 5 for safety improvements using pavement markings. Funds are needed for construction.	\$2,000,000.00 \$1,800,000.00 \$200,000.00	Cost Fed. State
Statewide W-5601BO STATEWIDE	50138.3.68, HSIP-000S(834) Multiple locations identified throughout Divisions 7 and 11 for safety improvements using pavement markings. Funds are needed for construction.	\$2,488,000.00 \$2,239,200.00 \$248,800.00	Cost Fed. State

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

Statewide (Continued)

Planning and Research

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Statewide	44509.1.25, PL-00PL(060)	\$847,165.00	Cost
M-0499	French Broad River Metropolitan Planning Organization	\$655,231.00	Fed.
DIVISION	FY 2016. Funds are needed for preliminary engineering.	\$191,934.00	Local

Rail Program

Statewide	45533.1.FS1, RR-000S(773)	\$250,000.00	Cost
Y-5500	Traffic Separation Study Implementation and Closure.	\$225,000.00	Fed.
STATEWIDE	\$150,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$25,000.00	State

ITEM M SUMMARY - 152 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$170,172,941.00

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

\$640,000.00 of funds for these projects are excluded from the Transportation Investment Strategy Formula as part of a Bonus Allocation available to this local area.

REVISIONS TO THE 2012-2020 AND 2016-2025 STIPS

HIGHWAY PROGRAM

STIP ADDITIONS

DIVISION 13

* EB-5790	ASHEVILLE, ON-STREET CROSSINGS AND	CONSTRUCTION	FY 2016 -	\$100,000	(TAPDA)
BUNCOMBE	CONNECTIONS FOR BICYCLISTS AND PEDESTRIANS IN		FY 2016 -	\$25,000	(L)
PROJ.CATEGORY	ASHEVILLE'S EAST OF THE RIVERWAY.			\$125,000	
DIVISION	<u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>				

STIP MODIFICATIONS

DIVISION 1

R-4467	US 17 BUSINESS/ NC 37, EAST OF PERQUIMANS RIVER	RIGHT-OF-WAY	FY 2018 -	\$900,000	(T)
PERQUIMANS	BRIDGE TO NC 37 IN HERTFORD. REPLACE BRIDGE	UTILITIES	FY 2018 -	\$130,000	(T)
PROJ.CATEGORY	710008.	CONSTRUCTION	FY 2020 -	\$9,000,000	(T)
REGIONAL	<u>DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND</u>		FY 2021 -	\$9,000,000	(T)
	<u>CONSTRUCTION FROM FY 19 TO FY 20 TO ALLOW</u>			\$19,030,000	
	<u>ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>				

DIVISION 5

* B-5130	SR 1321 (AVENT FERRY ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2016 -	\$247,000	(STPON)
WAKE	910318 OVER LAKE JOHNSON IN RALEIGH.	UTILITIES	FY 2016 -	\$67,000	(STPON)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 AND</u>	CONSTRUCTION	FY 2017 -	\$2,100,000	(STPON)
DIVISION	<u>CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW</u>			\$2,414,000	
	<u>ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>				

U-5315A	MORRISVILLE PARKWAY EXTENSION, WEST OF	CONSTRUCTION	FY 2017 -	\$3,000,000	(STPDA)
WAKE	HIGHCROFT DRIVE TO EAST OF MILLS PARK DRIVE IN		FY 2017 -	\$3,000,000	(L)
PROJ.CATEGORY	CARY. CONSTRUCT 2-LANE FACILITY ON 4-LANE			\$6,000,000	
DIVISION	RIGHT OF WAY.				
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO</u>				
	<u>ALLOW TOWN ADDITIONAL TIME FOR PLANNING AND</u>				
	<u>DESIGN.</u>				

DIVISION 10

* B-5242	BARRINGER DRIVE, REPLACE BRIDGE 590376 OVER	RIGHT-OF-WAY	FY 2016 -	\$48,000	(STPOFF)
MECKLENBURG	IRWIN CREEK IN CHARLOTTE.		FY 2016 -	\$12,000	(L)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16.</u>	CONSTRUCTION	FY 2017 -	\$1,600,000	(STPOFF)
DIVISION	<u>ADDITIONAL TIME REQUESTED BY THE CITY OF</u>		FY 2017 -	\$400,000	(L)
	<u>CHARLOTTE FOR PLANNING.</u>			\$2,060,000	

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 2015

REVISIONS TO THE 2012-2020 AND 2016-2025 STIPS

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 10

EB-5775	CORNELIUS, SOUTH PRONG ROCKY RIVER	RIGHT-OF-WAY	FY 2016 -	\$180,000	(STPDA)
MECKLENBURG	GREENWAY (SOUTH STREET - MAIN STREET).		FY 2016 -	\$45,000	(L)
PROJ.CATEGORY	CONSTRUCT GREENWAY.	CONSTRUCTION	FY 2017 -	\$541,000	(STPDA)
DIVISION	<u>FUNDING AMOUNTS CHANGED AT THE REQUEST OF THE MPO.</u>		FY 2017 -	\$135,000	(L)
				\$901,000	

EB-5776	CORNELIUS, NC 115 SIDEWALK AND BIKE LANE	CONSTRUCTION	FY 2018 -	\$246,000	(STPDA)
MECKLENBURG	MODERNIZATION (SMITH ROAD - POTTS STREET).		FY 2018 -	\$61,000	(L)
PROJ.CATEGORY	<u>FUNDING AMOUNTS INCREASED AT THE REQUEST OF THE MPO.</u>			\$307,000	
DIVISION					

EB-5780	CHARLOTTE, MALLARD CREEK GREENWAY	RIGHT-OF-WAY	FY 2016 -	\$51,000	(STPDA)
MECKLENBURG	CONNECTOR TO CATS PARK AND RIDE IN		FY 2016 -	\$13,000	(L)
PROJ.CATEGORY	CHARLOTTE. CONSTRUCT GREENWAY.	CONSTRUCTION	FY 2017 -	\$81,000	(STPDA)
DIVISION	<u>FUNDING AMOUNTS INCREASED AT THE REQUEST OF THE MPO.</u>		FY 2017 -	\$20,000	(L)
				\$165,000	

DIVISION 11

* B-4676	SR 1001 (OAKWOODS ROAD), REPLACE BRIDGE 960029	CONSTRUCTION	FY 2016 -	\$1,850,000	(STPOFF)
WILKES	OVER CUB CREEK.			\$1,850,000	
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 14 TO FY 16 TO</u>				
DIVISION	<u>ALLOW ADDITIONAL TIME FOR PLANNING.</u>				

* EB-5529	YADKINVILLE, NORTH LEE AVENUE, MAIN STREET TO	CONSTRUCTION	FY 2016 -	\$545,000	(STPEB)
YADKIN	US 601 IN YADKINVILLE. CONSTRUCT SIDEWALK ON			\$545,000	
PROJ.CATEGORY	NORTH SIDE OF ROAD.				
TRANSITION	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO</u>				
	<u>ALLOW ADDITIONAL TIME FOR ADVERTISEMENT.</u>				

DIVISION 13

* U-5019A	CLINGMAN FOREST AND TOWN BRANCH GREENWAYS	CONSTRUCTION	FY 2017 -	\$1,950,000	(DP)
BUNCOMBE	<u>BREAK PROJECT U-5019 INTO SEGMENTS AND ADD</u>		FY 2017 -	\$1,950,000	(L)
PROJ.CATEGORY	<u>CONSTRUCTION FUNDING.</u>			\$3,900,000	
DIVISION					

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 2015

REVISIONS TO THE 2012-2020 AND 2016-2025 STIPS

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 13

* U-5019B	FRENCH BROAD RIVER WEST GREENWAY	CONSTRUCTION	FY 2017 -	\$550,000	(DP)
BUNCOMBE	<u>BREAK PROJECT U-5019 INTO SEGMENTS AND ADD</u>		FY 2017 -	\$550,000	(L)
PROJ.CATEGORY	<u>CONSTRUCTION FUNDING.</u>			\$1,100,000	
DIVISION					
* U-5019C	WILMA DIKEMAN RIVERWAY - RADTIP AND FIVE	RIGHT-OF-WAY	FY 2016 -	\$4,880,000	(STPDA)
BUNCOMBE	POINTS ROUNDABOUT		FY 2016 -	\$1,220,000	(L)
PROJ.CATEGORY	<u>BREAK PROJECT U-5019 INTO SEGMENTS AND ADD</u>	CONSTRUCTION	FY 2017 -	\$11,350,000	(DP)
DIVISION	<u>CONSTRUCTION FUNDING.</u>		FY 2017 -	\$11,350,000	(L)
				\$28,800,000	
* U-5019D	LIVINGSTON STREET COMPLETE STREETS	CONSTRUCTION	FY 2017 -	\$750,000	(DP)
BUNCOMBE	IMPROVEMENTS		FY 2017 -	\$750,000	(L)
PROJ.CATEGORY	<u>BREAK PROJECT U-5019 INTO SEGMENTS AND ADD</u>			\$1,500,000	
DIVISION	<u>CONSTRUCTION FUNDING.</u>				
U-5190	NEW LEICESTER HIGHWAY, CITY LIMITS TO PATTON	ENGINEERING	FY 2016 -	\$53,000	(STPDA)
BUNCOMBE	AVENUE IN ASHEVILLE. CONSTRUCT SIDEWALK AND		FY 2016 -	\$13,000	(L)
PROJ.CATEGORY	CROSSING IMPROVEMENTS.	RIGHT-OF-WAY	FY 2016 -	\$193,000	(STPDA)
TRANSITION	<u>ADD ENGINEERING AND RIGHT-OF-WAY PHASES AND</u>		FY 2016 -	\$48,000	(L)
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 AT THE</u>	CONSTRUCTION	FY 2017 -	\$2,658,000	(STPDA)
	<u>REQUEST OF THE MPO.</u>		FY 2017 -	\$664,000	(L)
				\$3,629,000	

DIVISION 14

C-5564	VARIOUS, LAND OF SKY RPO TO WORK WITH	IMPLEMENTATION	FY 2016 -	\$50,000	(CMAQ)
TRANSYLVANIA	REGIONAL CLEAN AIR CAMPAIGN AND CLEAN VEHICLE		FY 2016 -	\$13,000	(L)
MADISON	COALITION TO IMPLEMENT AN EDUCATIONAL AND			\$63,000	
BUNCOMBE	OUTREACH PROGRAM IN COMMUNITIES ADJACENT TO				
HAYWOOD	GREAT SMOKY MOUNTAINS NATIONAL PARK.				
PROJ.CATEGORY	<u>INCREASE FUNDING AT THE REQUEST OF THE RPO.</u>				
EXEMPT					

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 2015

REVISIONS TO THE 2012-2020 AND 2016-2025 STIPS

HIGHWAY PROGRAM

STIP DELETIONS

DIVISION 10

* U-5712	NC 160 (WEST BOULEVARD), SR 5901 (BILLY GRAHAM PARKWAY) INTERSECTION. UPGRADE INTERSECTION TO INTERCHANGE.	RIGHT-OF-WAY CONSTRUCTION	FY 2023 - \$1,600,000 (T)
MECKLENBURG			FY 2025 - \$6,750,000 (T)
PROJ.CATEGORY			\$8,350,000
STATEWIDE	<u>DELETE PROJECT DUE TO CONFLICTS BETWEEN THE PROJECT AND PROPOSED EXPANSION OF THE CHARLOTTE-DOUGLAS INTERNATIONAL AIRPORT.</u>		

* U-5714	SR 5901 (BILLY GRAHAM PARKWAY), MORRIS FIELD DRIVE INTERSECTION. CONSTRUCT GRADE SEPARATION.	RIGHT-OF-WAY CONSTRUCTION	FY 2023 - \$2,200,000 (T)
MECKLENBURG			FY 2025 - \$9,100,000 (T)
PROJ.CATEGORY			\$11,300,000
STATEWIDE	<u>DELETE PROJECT DUE TO CONFLICTS BETWEEN THE PROJECT AND PROPOSED EXPANSION OF THE CHARLOTTE-DOUGLAS INTERNATIONAL AIRPORT.</u>		

DIVISION 12

* I-5773	2 MILES NORTH OF SR 1001 (OSWALT AMITY ROAD) TO 0.3 MILE NORTH OF SR 2321 (EAST BROAD STREET). PAVEMENT REHABILITATION.	CONSTRUCTION	FY 2017 - \$4,100,000 (NHPIM)
IREDELL			\$4,100,000
PROJ.CATEGORY	<u>DELETE PROJECT - WORK TO BE ACCOMPLISHED IN I-5606.</u>		
STATEWIDE			

ITEM N SUMMARY

ADDITION S	1	PROJECTS	\$125,000
MODIFICATION S	15	PROJECTS	
DELETION S	3	PROJECTS	\$23,750,000
	19	PROJECTS	(\$23,625,000)

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 2015

NCDOT October 8, 2015 Board of Transportation Agenda

SUMMARY: There are a total of 32 Agreements for approval by the Board of Transportation.

Statewide

R.J. Corman Railroad
Company/Carolina Lines, LLC
(RJC)

This Rail Agreement is a Master Agreement which details the terms and conditions by which the Department and RJC will perform improvements upon roads and streets located within the operating right-of-way owned by RJC. The Projects may include, but not be limited to, improvements to railroad at-grade crossings or to roads and streets encroaching into the railroad right-of-way. Project costs to the Department will be determined on a Project-by-Project basis.

Division 1

County of Tyrrell
Tyrrell County
1B.208911

This Project consists of designing a storm drainage system, including hydraulic analysis and permit drawings, in accordance with the recommendations of the study performed by Rivers and Associates, Inc. in 2014 in the vicinity of SR 1209 (North Road Street) and North Boundary Canal in the Town of Columbia. All existing utilities must be located and accounted for in design. This Supplemental Agreement is for additional funding to include actual engineering fee estimates. The estimated costs are \$9,100.

U.S. Fish and Wildlife Service,
Great Dismal Swamp National
Wildlife Refuge
Tyrrell County
R-2545
35492.4.S1

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. USFWS will reimburse the Department \$2,000 for the relocation of the RCW's.

Division 3

Town of Leland
Brunswick County
U-5534 D
44096.1.F5
44096.2.F5
44096.3.F5

This Project consists of the construction of a multi-use path, beginning at or around the corner of the Leland Town Hall Campus and ending at the driveway of the North Brunswick High School. This Supplemental Agreement is for additional STP-DA funding approved by the Wilmington MPO in the amount of \$163,000. The Department shall allocate an amount not to exceed 65% (\$353,000) from the STP-DA funds allocation. The Municipality will be responsible for providing 35% (\$190,000) matching funds for the STP-DA funds authorized and all costs that exceed the total estimated cost of the Project.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 3, con't.

Town of Belville
Brunswick County
44483

The Project consists of the installation of approximately 630 LF of 4" concrete sidewalk along the west side of NC 133 in front of the Belville Elementary School. Installation of mid-block crossing between the Belville Elementary School and the Belville River walk. The Department shall be responsible for the cost of the project. The estimated cost is \$66,000.00. All costs over the estimated cost will be the responsibility of the Municipality.

Division 4

Halifax County
County of Halifax
75009
4CR.10421.23

The Project consists of construction of left turn and right deceleration lanes on US 301 and construction of 0.4 miles of new access road located approximately 1.5 miles north of the intersection of US 301 and NC 481 near Enfield. The original estimated participation was \$950,000. This Supplemental Agreement is to provide additional funding in the amount of \$250,000. The Department will reimburse the County the total estimated cost of \$1,200,000.

Town of Clayton
Johnston County
EL-5100 OB
41821.1.33
41821.2.33
41821.3.33

This Project consists of the construction for the Clayton Community Center Pedestrian Connector in Johnston County. This Supplemental Agreement is for additional construction funding for the Project. The Department's original participation was \$906,770. The Department shall participate in an additional amount not to exceed 50% (\$289,816) from STPDA funds. The Municipality will be responsible for providing 50% (\$289,816) matching funds and all costs that exceed the total estimated cost of the Project.

Division 5

NC Department of Environment
and Natural Resources (DENR)
Wake County
34613

This Agreement is for DENR and NCDOT to review former Asphalt Testing Laboratory (ATL) sites on an as-needed, mutually agreed upon basis, to determine the prioritization and scheduling of clean-up activities for the ATL candidate sites. The Department shall reimburse DENR actual costs up to a maximum amount of \$250,000 over a five (5)-year period.

National Railroad Passenger
Corporation (Amtrak)
Wake County

This Rail Agreement is for the subleasing of space at the Cary Depot by Amtrak. The Department will pay the rental costs imposed by the Town of Cary for the space utilized by Amtrak, and Amtrak will reimburse the Department for said cost. The initial term is for 20 years with renewable options.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 5, con't.

Town of Cary
CSX Transportation, Inc. (CSXT)
Wake County
Y-4805C

On April 20, 2007, the Department, CSXT, and the Municipality entered into a Crossing Closure Agreement for the closure of the railroad at-grade crossings on state-maintained Reedy Creek Road (SR 1650, Crossing # 630 662N, milepost S164.47), municipal-maintained West Street (Crossing # 630 667X, milepost S165.54), and the construction and opening of a new railroad at-grade crossing on Morrisville Parkway at milepost SDS14.70. This Supplemental Agreement amends the Crossing Closure Agreement executed on April 20, 2007, to remove traffic movement restrictions pertaining to the intersection of Carpenter-Upchurch Road and Morrisville Parkway.

Division 6

City of Fayetteville
Cumberland County
B-4490
33727.1.1

This Project consists of replacement of Bridge No. 116 over CSX Railroad, Norfolk Southern RR, and Hillsboro Street on NC 24/210 in Fayetteville. The Department shall prepare the environmental and/or planning document, plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall include pavement and traffic betterments in the Project. The Municipality shall reimburse the Department 100% of the actual cost of the betterments. The estimated reimbursement is \$44,000.

Fayetteville Public Works
Commission
Cumberland County
B-4490
33727.3.FS1

This Project consists of improvements to Bridge No. 116 over CSX RR, Norfolk Southern RR, and Hillsboro Street on NC 24/210. At the request of the Agency, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Agency shall reimburse the Department the entire cost of said utility work. The estimated reimbursement is \$865,000.

CSX Transportation Inc.
Cumberland County
B-4490
33727.1.1

This Agreement between CSX Transportation Inc. and the Department is for the realignment of two bridges on NC 24-210 Bragg Boulevard/Rowan Street beginning at Station 12+35.00 -L- running in a easterly direction over the tracks of CSX Transportation, Inc. to Station 42+75.00 -L- across the Railroad's right of way, tracks and other facilities near Railroad Milepost AE-210.9 and Highway Survey Station 29+57.01 -L- and Railroad Milepost A-209.3 and Highway Survey Station 34+92.18 -L- in Cumberland County.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 6, con't.

City of Fayetteville
Cumberland County
Y-4806A
40325.1.4
80000.2.1.5

The Municipality and the Department entered into a Rail Municipal Agreement on June 6, 2005, for recommended crossing improvements. A supplemental Agreement was entered into on August 1, 2013, that allowed the Municipality to perform the streetscape improvements. This Supplemental Agreement reflects an increase of \$555,000 to cover the cost of construction in excess of the Department's commitment of \$1,230,000 for this Project. The Department's total estimated cost is \$1,785,000.

Town of Angier
Harnett County
ER-2971F
45855

This Project consists of the construction of sidewalk along NC 55 from Lillington Street to Church Street and along the Hess Station frontage on NC 55 & NC 210, programmed under WBS Element 3606.3.19. This Supplemental Agreement expands the Project Scope to include piping a ditch and to increase the funding for the Project. The Department will reimburse 100% (\$59,000) in contingency funds for the additional work.

Fayetteville Public Works
Commission
Cumberland County
W-5519
45849.3.FR1

This Project consists of improvements on I-95 Bus/US 301 from NC 87 South to NC 59 in Cumberland County. At the request of the Agency, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Agency shall reimburse the Department the entire cost of said utility work. The estimated cost to the Agency is \$112,773.00.

Fayetteville Public Works
Commission
Cumberland County
36052.103

The Department has undertaken emergency repairs for storm drainage on SR 2299 in Fayetteville due to extensive cracking in drainage pipes. This Agreement is at the request of the Agency for the Department to also replace existing water and sewer lines in the vicinity of Russell Street from SR 2311 (Gillespie Street) to Cross Creek Street (City Street). The Agency shall reimburse the Department 100% of the actual cost of the replacement work performed by the Department. The estimated cost to the Agency is \$322,851.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 7

Town of Jamestown
Guilford County
C-5700
46416.1.1
46416.2.1
46416.3.1

This Project consists of the construction of 5' wide sidewalk that will connect residential neighborhoods to downtown Jamestown businesses while providing a safe walking route across railroad tracks. The Municipality is responsible for all phases of the Project. The Department shall participate in an amount not to exceed 80% (\$160,000) from CMAQ funds. The Municipality will be responsible for providing 20% (\$40,000) matching funds and all costs that exceed the total estimated cost of \$200,000.

City of Greensboro
Guilford County
U-5532 A
46297.1.F2
46297.2.F2
46297.3.F2

This Project consists of reducing the northbound roadway cross section of Aycock Street north from Walker Avenue, for 450 feet. This Supplemental Agreement is to include additional work to the scope and increase the funding for the Project. The additional work includes the installation of raised median, and reconstruction of sidewalk on the east side of Aycock Street from south of Walker Avenue to north of Spring Garden Street. The Department's original participation was \$138,400, to be increased with an additional \$852,080 of TAP funds. The Municipality's original participation was \$34,600. The Municipality will provide an additional \$178,420, for a total cost of \$213,020 and all costs that exceed the total estimated cost.

Town of Hillsborough
Research Triangle Regional
Public Transportation Authority
d/b/a Go Triangle (Authority)
Orange County
P-5701
46395

This Preliminary Engineering Reimbursement Agreement (PERA) covers the preparation of the environmental documents necessary to construct the proposed Hillsborough Train Station. At the request of the Municipality, the Department will perform all work associated with preparation and approval of the environmental documentation, including any environmental permits. The Municipality and the Authority will reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost of the work is \$150,000, with anticipated reimbursement by the Authority in the amount of \$116,000 and by the Municipality in the amount of \$34,000.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 8

Aberdeen Carolina and Western
Railway (ACWR)
Moore County

This Rail Agreement covers ACWR's material cost to upgrade crossings 722 518C and 722 523Y at NC 5 in Aberdeen at milepost ACWR 55.60 and 55.90. The upgrade will involve removing the existing crossing surfaces and replace with concrete tub crossings. The Department is to be responsible for all material costs incurred by ACWR for the crossing improvements. The estimated cost is \$197,000.00.

Division 9

Village of Clemmons
Forsyth County
U-5551
46310

This Project consists of the construction of a new access road of SR 1103 (Lewisville-Clemmons Rd) to serve the Village Point development in Clemmons. The Village is providing updated plans and relocating utilities. The Department is constructing and maintaining the Project. The Department has allocated \$1.9 million to be used towards updated plans and construction. The Municipality will participate in the amount of \$1.9 million, plus any costs that exceed the total available funding of \$3.8 million. This agenda item supersedes the item Approved by the BOT on June 4, 2015.

Norfolk Southern Railway
Company
Forsyth County
B-4490
33727.1.1

This Agreement between Norfolk Southern Railway Company and the Department is for the realignment of one bridge on NC 24-210 Bragg Boulevard/Rowan Street beginning at Station 12+35.00 -L- running in a easterly direction over the tracks of Norfolk Southern Railway Company to Station 42+75.00 -L- across the Railroad's right of way, tracks and other facilities near Railroad Milepost VF-42.61 and Highway Survey Station 29+57.01L- in Forsyth County.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 10

City of Charlotte
Mecklenburg County
U-2507A
34811.3.FD5

This Project consists of the design and installation of traffic signalization and related equipment required for U-2507A, the extension of Graham Street and improvements to Mallard Creek Road (SR 2467) between Sugar Creek Road (SR 2480) and Harris Boulevard (SR 2665) in Charlotte. A Supplemental Agreement expanded the scope and funding to include pedestrian accommodations at each intersection, fiber interconnect between all signals and an increase in administrative costs to meet Federal requirements. The Department shall reimburse the Municipality an additional \$718,325 for a total of \$1,114,325. This agenda item supersedes the item that was approved by the BOT on August 6, 2015.

Federal Railroad Administration
(FRA)
City of Charlotte
Mecklenburg County

This Rail Agreement between the Department and the FRA covers the development of a small area study of the downtown area near the proposed Charlotte Gateway Station. On September 12, 2014, the Department received notification of a \$200,000 award as a result of a TIGER VI grant application. This study is to be conducted by the Department in collaboration with the Municipality.

Division 12

Town of Mooresville
Iredell County
C-5531
45508.3.F1

This Project consists of the construction of Mooresville Middle School Sidewalk Network. The Municipality is responsible for all aspects of the Project. The Department shall reimburse the Municipality 79% of eligible costs up to \$801,996 of CMAQ funds. The Municipality shall provide the 21% non-federal match of \$207,754, and all costs that exceed the total available funding. This agenda item supersedes the item that was approved by the BOT on September 3, 2015.

Town of Cramerton
Gaston County
C-5623
46400.1.1
46400.2.1
46400.3.1

This Project consists of the construction of the Cramer Mountain Road Sidewalk. The Municipality is responsible for all aspects of the Project. The Department shall reimburse the Municipality 75% of eligible costs up to \$320,000 of CMAQ funds. The Municipality shall provide the 25% non-federal match of \$107,000, and all costs that exceed the total available funding.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 13

Town of Black Mountain
Buncombe County
EB-5547
51045.1.F1

This Project consists of the design of the Riverwalk Phase II Greenway. 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 \$120,000. The Municipality will be responsible for providing the 20% (\$30,000) non-federal match and all costs that exceed the total estimated cost. This agenda item supersedes the item that was approved by the BOT on August 6, 2015.

Division 14

Land of Sky Regional Council
Haywood and Swain Counties
C-5564
44110.3.1

This Project consists of the implementation of a regional education and outreach program in the Smoky Mountain Region and adjacent communities to reduce emissions from mobile sources. This supplemental Agreement provides an additional \$20,000 in CMAQ funds and extends the completion date of the Project. The Agency shall be responsible for the 20% match, or \$5,000 and shall complete the Project by June 30, 2017 in lieu of December 17, 2016.

Western Carolina University
Jackson County
B-4159
33507.2.FD1

This Project consists of replacing Bridge No. 108 on SR 1002 over the Tuckasegee River in Jackson County, including 1,410 linear feet of sidewalk along SR 1002 and SR 1336 (Monteith Gap Road). The Department shall be responsible for all phases of the Project. The Agency shall assume all maintenance responsibilities for the sidewalk.

Tuckasegee Water and Sewer
Authority
Jackson County
B-4159
33507.2.FD1

This Project consists of replacing Bridge No. 108 over Tuckasegee River on SR 1002 in Jackson County. At the request of the Agency, the Department shall include provisions in the construction contract for the contractor to install water and sewer lines. The Agency shall reimburse the Department the entire cost of said utility work. The estimated cost to the Municipality is \$31,404.

Town of Waynesville
Haywood County
U-5548
50156.1.F1
50156.3.F1

This Project consists of the realignment of Brown 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 \$440,000. The Municipality will be responsible for providing the 20% (\$110,000) non-federal match for the STP-DA funds authorized and all costs that exceed the total estimated cost.

NCDOT October 8, 2015 Board of Transportation Agenda

SUMMARY: There are a total of 28 Agreements for informational purposes only.

Division 1

Outer Banks Sporting Events
Dare County
36249.3536

The Project consists of providing traffic control for the Outer Banks Marathon in Dare County, including but not limited to cones, signs, barricades, changeable message signs, and the associated labor to install and maintain them. The Developer shall reimburse the Department (100%) of the cost. The estimated total cost of Project is \$17,000.

Outer Banks Scenic Byway
Committee for Dare
Dare County
45554.1.1
45554.3.1

The Project consists of the development of a wayshowing signage system including design, fabrication, installation of byway route signs, signs to byway attractions, and orientation stops at existing facilities, programmed under Project S-5501. This Supplemental Agreement is to extend the Project complete date to 9/30/2017, in lieu of 8/14/2014.

City of Elizabeth City
Pasquotank County
35742.3.2

The Project consists of planting shrubs, perennials and trees along US 158 from Harney Street to N. Water Street in Elizabeth City. The Department shall develop the landscape design, prepare plans and site and install the plantings. The Municipality shall assume maintenance of the plantings after three years.

Division 2

Pamlico County
County of Pamlico

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.

Town of Belhaven
Beaufort County

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

NCDOT October 8, 2015 Board of Transportation Agenda

Division 3

Town of North Topsail Beach
Onslow County
36249.3533

This Project consists of the installation of crosswalk and related signs on NC 210 at 3623 Island Drive and on SR 1568 (New River Inlet Road) at Jefferys Beach Access multi-use path. The Department shall be responsible for all phases of the Project. The Municipality shall reimburse the Department (100%) for work performed by the Department. The estimated total cost of Project is \$2,600.

Summerwalk Development, LLC
New Hanover County
36249.3535

The Project consists of the signal review and inspection for a signal modifications at US 76 (Oleander Drive) & Greenville Lop Road / Greenville Ave [SIN 03-0052]. Developer shall reimburse the Department one hundred percent (100%) of the actual cost of the review and inspection work performed by the Department. The estimated reimbursement is \$5,000.

Belvedere Plantation
Management
Brunswick County
36249.3541

The Project consists of the revision and removal of pavement markings on NC 133 to eliminate left turns into Plantation Road due to it being closed by Developer. Developer will reimburse the Department 100% of actual cost. The estimated cost is \$4,500.

North Carolina Department of
Cultural Resources
New Hanover County
3.206511

The Project consists of repairs to the parking lot of Fort Fisher Historic Museum, near the intersection of US 421 (Fort Fisher Blvd. S) and the Fort Fisher Historic Museum's Driveway. The Agency shall reimburse the Department 100% of the actual cost of all work performed. The estimated Project cost is \$4,160.

Division 5

City of Creedmoor
Granville County
EB-5513

This Project consists of the construction of a 10 ft wide asphalt and concrete sidewalk/path for 0.7 miles including pedestrian accommodations and improvements from Hillsboro Street to Lake Road (NC 56) in Granville County. This Project is to be implemented concurrently with C-5166 A & B, programmed under Project EB-5513. This Supplemental Agreement is to extend time for the Project preliminary engineering and to establish a new Project completion date of March 4, 2018.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 5, con't.

Town of Knightdale
Wake County

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

City of Durham
Durham County
36249.3540

This Project consists of the installation of two "American Tobacco Trail/East Coast Greenway" signs on I-40 near the Pedestrian Bridge in Durham. The Municipality shall reimburse the Department one hundred percent (100%) of the actual cost of work performed by the Department. The estimated cost to the Municipality is \$5,000.

East Coast Greenway
Durham County
36249.3540

This Project consists of the installation of two "American Tobacco Trail/East Coast Greenway" signs on I-40 near the Pedestrian Bridge in Durham. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of work performed by the Department. The estimated cost to the Developer is \$1,000.

Town of Morrisville
Wake County
36249.3542

This Project consists of the Department's review of the Municipality's design plans and environmental documents for the widening of SR 3014 (Morrisville Carpenter Road) from Old Savannah Drive to NC 54 and restriping to Davis Drive. The Municipality shall reimburse the Department one hundred percent (100%) of the actual cost of the Review performed by the Department, including administrative costs. The estimated cost to the Municipality is \$15,000.

GoTriangle
Durham County
36249.3543

This Project consists of design plan review for the Durham-Orange Light Rail Project. Based on the estimated cost, GoTriangle shall submit a check for \$20,000 upon execution of the Agreement.

LRCV LLC
Durham County
36249.3544

This Project consists of an upgrade to the signal at NC 54 (Chapel Hill Road) at SR 1110 (Farrington Road/Watkins Road). 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 work performed. The estimated Project cost is \$5,000.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 6

The Chemours Company FC,
LLC
Bladen County
36249.3538

The Project consists of the fabrication and installation of Industrial Park directional signs for truck traffic going to the Fayetteville Works plants located off of NC 87 in Bladen County. The Developer will reimburse the Department 100% of the actual cost of materials and work performed. The estimated Project Cost is \$2,000.

City of Fayetteville
Cumberland County
36249.3063

This Agreement is to provide de-icing salt to the Municipality for the safe and efficient utilization of transportation systems in the City of Fayetteville. The Municipality shall reimburse the Department 100% of the actual cost of the de-icing salt. The estimated reimbursement to the Department is \$90.00 per ton.

Town of Hope Mills
Cumberland County
36249.2932

This Agreement is to provide de-icing salt to the Municipality for the safe and efficient utilization of transportation systems in the Town of Hope Mills. The Municipality shall reimburse the Department 100% of the actual cost of the de-icing salt. The estimated reimbursement to the Department is \$90.00 per ton.

Division 8

NC Wildlife Resources
Commission
Chatham County
36249.3537

This Project consists of resurfacing and restriping the Farrington Point Boat Access on Jordan Lake in Chatham County. The Agency shall reimburse the Department 100% of the actual cost of the work performed by the Department. The estimated reimbursement is \$144,000.

Town of Southern Pines
Moore County
36249.3545

This Project consists of painting the signal and pedestrian poles black in color at the intersection of SR 1309 (Morganton Road) and Fire Lane in Southern Pines. The Municipality shall reimburse the Department 100% of the actual cost of the work performed by the Department. The estimated reimbursement is \$3,000.

Division 10

Cabarrus County Schools
Cabarrus County
36249.3534

This Project consists of the design and installation of a new traffic signal on Davidson Highway (NC 73) at Odell School Road Elementary School. The County shall reimburse the Department 100% of the actual cost of the review and inspection work performed by the Department. The estimated reimbursement is \$5,000.

NCDOT October 8, 2015 Board of Transportation Agenda

Division 10, con't.

Nutec Fibratex, S.A. DE C.V.
Mecklenburg County
44536

This Project consists of the construction of a left turn lane at 118410 Mount Holly-Huntersville Road in Huntersville to facilitate traffic flow at the Developer's proposed manufacturing plant site. The Developer shall reimburse the Department 100% of the actual cost of right of way acquisition. The total estimated reimbursement is \$35,000.

Division 11

Town of Jonesville
County of Yadkin
ER-2973K
3711.3.22

This Project consists of landscape design and plantings at the roundabout on NC 67 at SR 1432 in Jonesville. The Department shall develop the landscape design, prepare plans and site and install the plantings. The Municipality shall assume maintenance of the plantings after one year.

Publix Super Markets, Inc.
Watauga County
36249.3539

The Project consists of the installation of a new traffic signal at US 221/US 321 at the entrance to 1620 Blowing Rock Road. The new traffic signal will be included in an existing closed loop system that will require system timing and pedestrian signals. The Developer shall reimburse the Department 100% of the actual cost of work performed. The estimated cost is \$10,000.

Division 14

Jackson County
44558

This Project consists of construction of 1600 linear feet of sidewalk along US 441 from US 441 Business to a point 0.3 miles south in Jackson County. The Department shall be responsible for all phases of the Project. The estimated cost is \$100,000. The County will maintain the sidewalk upon completion of the Project.

Town of Franklin
Macon County
55201.1.3

The Project consists of planning and production of a Comprehensive Bicycle and Pedestrian Plan. The Department's funding participation shall be restricted to development of the Plan. The estimated cost is \$32,400. This Supplemental Agreement is to correct an error identified in the funding from the original agreement.

NCDOT October 2015 Board of Transportation Agenda

Approval of Municipal Street System Changes

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

NCDOT October 2015 Board of Transportation Agenda

<u>No.</u>		<u>Enacted Page No.</u>
1	Preliminary Right of Way Plans	R-1 & R-2
2	Final Right of Way Plans	R-3
3	Revisions of Final Right of Way Plans	R-4
4	Approval of Conveyance of Highway Right of Way Residues	R-5
5	Approval of Conveyance of Surplus Highway Right of Way	R-6
6	Authorization to Condemn Right of Way for Secondary Road Project	R-7

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 3)

Pender County; I.D. No. B-4929; Project No. 40233.2.1:
Bridge No. 16 over Inter Coastal Waterway on NC 50/210

New Hanover County; I.D. No. U-5534C; Project No. 44096.2.F4:
Wrightsville Avenue / Greenville Avenue to Hinton Avenue

(Division 5)

Wake County; I.D. No. EL-5100AD; Project No. 41821.2.3:
Wake Forest – Pedestrian Connection along SR 1931 (West Oak Avenue) and NC 98 Business (Wait Avenue)

Wake County; I.D. No. W-5601G; Project No. 50138.2.FD9:
SR 1007 (Poole Road) at SR 2967 (New Hope Road)

Wake County; I.D. No. B-5121; Project No. 42263.2.1:
Bridge No. 227 over Peace Street on US 70

(Division 6)

Cumberland County; I.D. No. W-5601AG; Project No. 50138.2.34:
NC 53 (Cedar Creek Road) from West of I-95 to East of I-95

Preliminary Right of Way Plans (continued)

(Division 7)

Guilford County; I.D. No. C-5558; Project No. 55063.2.U1:
City of High Point (Utilities Only)

Rockingham County; I.D. No. B-4964; Project No. 40242.2.1:
Bridge No. 85 over Southern Railroad on SR 2600 (Mizpah Church Road)

(Division 9)

Rowan County; I.D. No. U-5608; Project No. 45836.2.1:
China Grove / Landis-New Route from SR 1211 (Kimball Road) Extension, North Chapel Street to SR 1221 (Bostian Road)

Forsyth County; I.D. No. BD-5109X; Project No. 45355.2.24:
Bridge No. 73 over Abbotts Creek on SR 2624

Forsyth County; I.D. No. U-2579C; Project No. 34839.2.16:
Winston-Salem Northern Beltway Eastern Section (Future I-74) from US 158 to US 311 (Utilities)

(Division 10)

Anson County; I.D. No. B-2506; Project No. 32638.2.2:
Bridge No. 08 over Brown Creek on SR 1627

(Division 11)

Ashe County; I.D. No. B-5147; Project No. 42308.2.1:
Bridge No. 327 over Little Buffalo Creek on SR 1509 (Claybank Road)

(Division 12)

Gaston County; I.D. No. I-5000; Project No. 41153.2.FS1:
I-85 / US 321 Geometric Safety Improvements to Interchange

(Division 14)

Haywood County; I.D. No. W-5601CB; Project No. 50138.2.1:
US 276 at Bridges No. 32, 125 and 93 near Canton

Final Right of Way Plans

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

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

(Division 7)**Project No. 40151.2.FD1; Guilford County; I.D. No. B-4959:**

Grading, drainage, paving and structure on Bridge No. 193 over Buffalo Creek on SR 2719 (High Rock Road) with the right of way indicated upon the final plans for said project.

(Division 8)**Project No. 38551.2.FD1; Montgomery County; I.D. No. B-4780:**

Grading, drainage, paving and culvert on Bridge No. 22 over Richland Creek on SR 1111 (Lilly's Bridge Road) with the right of way indicated upon the final plans for said project.

(Division 9)**Project No. 38331.2.FR1; Davidson County; I.D. No. B-3159:**

Grading, drainage, paving, structure, retaining wall, signals and noise wall on Bridge No. 27 over US 29-64-70/I-85 Business Loop on US 52/NC 8 with the right of way indicated upon the final plans for said project.

(Division 14)**Project No. 41902.2.1; Transylvania County; I.D. No. U-5104:**

Grading, drainage, paving, widening, signals and retaining wall on US 64 Business from SR 1349 (West Main Street) to US 64 with the right of way indicated upon the final plans for said project.

Revisions of the Final Right of Way Plans

Right of way acquisition in accordance with the final right of way plans for the following projects has been determined to be necessary and authorized by the Board. Plans are on file at the Office of the Secretary to the Board of Transportation as an addendum to the minutes of the meetings hereinafter indicated.

Certain changes in right of way, construction and drainage easements, and control of access have been necessitated by alterations in the construction plans of these projects. Amended plan sheets for these projects have been prepared which provide for changes of certain right of way areas, construction and drainage easements and control of access.

The Board finds that the revised areas of right of way, construction and drainage easements and control of access, as shown on the amended plan sheets hereinafter set out, are for a public purpose and are necessary for the construction of projects.

The right of way, construction and drainage easements and control of access are hereby revised as shown on the plan sheets incorporated herein as an addendum, said projects, date of original final approval, and revised right of way, easements and access being as follows:

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

Final Right of Way plans approved on the minutes of the August 6, 2015 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 36 as presented at the October 8, 2015 Board of Transportation Meeting.

(Division 6)**Project No. 35024.2.3; I.D. No. U-4422; Cumberland County:**

Final Right of Way plans approved on the minutes of the July 12, 2012 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 4 as presented at the October 8, 2015 Board of Transportation Meeting.

(Division 10)**Project No. 38063.2.1; I.D. No. I-4733; Mecklenburg County:**

Final Right of Way plans approved on the minutes of the October 3, 2013 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 4 as presented at the October 8, 2015 Board of Transportation Meeting.

REVISION FINAL ROW PLANS**3 PROJECT(S)****\$0.00**

Approval of conveyance of Highway Right of Way Residues

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

(Division 9)

**Project 6.801814, Parcel 012, US 52 from Winston-Salem to Lexington
Davidson County**

Conveyance of an approximate 0.370-acre residue area to Easter Creek Partners, LLC, the only interested adjacent owner, for the appraised value of \$900.00.

(Division 10)

**Project 6.678007B, Parcel R-2248D 000, I-485 (Charlotte Outer Loop) from East of
SR 2042 (Oakdale Road) to East of NC 115 (Old Statesville Road)
Mecklenburg County**

Conveyance of an approximate 0.130-acre residue area to Ronald J. Withrow and William R. Culp, Jr., Trustees for the Withrow Children's GST Irrevocable Trust One f/b/o Ronald J. Withrow dated February 18, 2000; the only interested adjacent owner, for the appraised value of \$5,000.00.

CONVEYANCE ROW RESIDUE

2 PROJECT(S)

\$5,900.00

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 11)

Project 9.8110419, Parcel U-214A 047, US 321 (Blowing Rock Road) near NC 105 in Boone

Watauga County

Abandonment of an approximate 0.014-acre permanent drainage easement area to Clement Blowing Rock, LLC for no monetary consideration.

(Division 13)

Project 8.1901402, Parcel 141, US 74 Connector to I-40 East of Asheville

Buncombe County

Conveyance of an approximate 3.080-acre surplus right of way area to Bob J, LLC; Steve H, LLC; Harley D, LLC; and Bill B, LLC for the appraised enhancement value of \$131,000.00.

CONVEYANCE OF SURPLUS RIGHT OF WAY

2 PROJECT(S)

\$131,000.00

The Department has been unsuccessful in acquiring certain right of way for Secondary Roads; and the indemnity bond for the cost of any condemnation proceeding required is being secured in keeping with the Secondary Roads Policy of the Department.

Upon recommendation of the Chief Engineer, the Board finds and hereby authorizes the Right of Way Unit to acquire right of way by condemnation through the Attorney General's office for the following parcel(s):

CLAIM OF: Sapphire Properties Limited PT
WBS #: 14C 088023
PARCEL #: 009
COUNTY: Transylvania
SR #: SR 1152 Upper Whitewater Road

APPROVAL OF CONDEMN ROW ON SECONDARY ROAD	1 PROJECT(S)	\$0.00
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R-ITEM SUMMARY	27 PROJECT(S)	TOTAL: \$136,900.00
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**NORTH CAROLINA BOARD OF TRANSPORTATION
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS
FISCAL YEAR 2015 – 2016 SUPPLEMENTAL ALLOCATION**

At the time of preparation of the August 6, 2015 agenda item, the 2015 General Assembly had not ratified the current appropriations act. Accordingly, it was recommended that Maintenance, General Maintenance Reserve, Pavement Preservation, and Contract Resurfacing allocations be made in accordance with the Continuing Resolution budget and Bridge Program allocations be made in accordance with the House recommended budget. The Budget Bill has now been ratified resulting in the following adjustments:

<u>Schedule</u>	<u>Adjustment</u>
Primary System	-
Secondary System	38,872,712
General Maintenance Reserve	(45,560,850)
Bridge Program	57,614,431
Pavement Preservation	34,954,976
Contract Resurfacing	57,607,834
Total	\$143,489,103

In addition to the above adjustments, an additional \$55,045,160 in General Maintenance Reserve is available for distribution as a result of credit balance. The staff also recommends allocating \$541,224 of previously undistributed Bridge Program funds to assist with funding of the Ecosystems Enhancement Program for project mitigation.

The staff recommends these funds be allocated to the Divisions based on the existing maintenance formulas approved by the Board of Transportation and in accordance with Pages 2 through 7.

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

<u>SCHEDULE I – PRIMARY SYSTEM</u>	<u>ORIGINAL ALLOCATION</u>	<u>SUPPLEMENTAL ALLOCATION</u>	<u>TOTAL ALLOCATION</u>
Road and Bridge Maintenance	53,540,738	-	53,540,738
State and Federal Obligation	14,427,500	-	14,427,500
Asset Maintenance and Operation	13,275,000	-	13,275,000
Research and Development	950,000	-	950,000
Emergency	66,000,000	-	66,000,000
SUBTOTAL	\$148,193,238	\$0	\$148,193,238
<u>SCHEDULE II – SECONDARY SYSTEM</u>			
Road and Bridge Maintenance	237,318,313	\$38,872,712	276,191,025
State and Federal Obligation	2,582,500	-	2,582,500
Asset Maintenance and Operation	5,850,000	-	5,850,000
Research and Development	600,000	-	600,000
Emergency	25,000,000	-	25,000,000
SUBTOTAL	\$271,350,813	\$38,872,712	\$310,223,525
<u>SCHEDULE III – GENERAL MAINTENANCE RESERVE</u>			
Road and Bridge Maintenance	43,560,850	53,025,160	96,586,010
State and Federal Obligation	-	20,000	20,000
Asset Maintenance and Operation	-	2,000,000	2,000,000
Emergency	2,000,000	-	2,000,000
SUBTOTAL	\$45,560,850	\$55,045,160	\$100,606,010
<u>SCHEDULE IV – BRIDGE PROGRAM</u>	\$154,505,796	\$58,155,655	\$212,661,451
<u>SCHEDULE V – PAVEMENT PRESERVATION</u>	\$65,045,024	\$34,954,976	\$100,000,000
<u>SCHEDULE VI – CONTRACT RESURFACING</u>	\$409,414,780	\$57,607,834	\$467,022,614
GRAND TOTAL	\$1,094,070,501	\$244,636,337	\$1,338,706,838

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

SCHEDULE II – SECONDARY ROAD AND BRIDGE MAINTENANCE

Division	Original Allocation	Supplemental Allocation	Total Allocation
1	10,453,995	1,735,249	12,189,244
2	15,223,342	2,552,072	17,775,414
3	15,829,128	2,632,880	18,462,008
4	14,621,695	2,407,877	17,029,572
5	18,298,430	2,708,706	21,007,136
6	14,936,568	2,487,151	17,423,719
7	21,067,799	3,303,076	24,370,875
8	18,966,944	3,179,687	22,146,631
9	16,197,653	2,675,673	18,873,326
10	18,526,830	2,903,512	21,430,342
11	19,960,528	3,372,807	23,333,335
12	18,115,283	2,953,892	21,069,175
13	17,792,099	3,029,792	20,821,891
14	17,328,019	2,930,338	20,258,357
Subtotal	\$237,318,313	\$38,872,712	\$276,191,025
State and Federal Obligation	2,582,500	-	2,582,500
Asset Maintenance & Operations	5,850,000	-	5,850,000
Research and Development	600,000	-	600,000
Emergencies	25,000,000	-	25,000,000
Subtotal	\$34,032,500	\$0	\$34,032,500
Grand Total	\$271,350,813	\$38,872,712	\$310,223,525

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

SCHEDULE III – GENERAL MAINTENANCE RESERVE

General Maintenance Reserve was eliminated from the budget as illustrated on page 1. However, as a result of a credit balance an additional \$55,045,160 is available for distribution. Of the total available funds, it is recommended that \$125,000 be disbursed to Division 2 for the operation and maintenance of an additional moveable span bridge, \$20,000 be allocated to cover a Historical Marker overdraft and FY 2016 operational cost, and \$2,000,000 be allocated for Rest Area facility renovation. The staff recommends the remainder of the funds be disbursed based on the existing needs based formula.

Further detail regarding recommended allocations of these funds is addressed in the table below:

Division	Original Allocation	Supplemental Allocation	Total Allocation
1	3,413,254	3,781,232	7,194,486
2	2,904,796	3,378,186	6,282,982
3	3,825,059	3,544,697	7,369,756
4	2,662,290	3,371,589	6,033,879
5	3,301,333	4,180,889	7,482,222
6	2,694,451	3,412,319	6,106,770
7	3,317,320	4,201,135	7,518,455
8	3,239,826	4,102,994	7,342,820
9	3,075,011	3,894,269	6,969,280
10	3,021,338	3,826,297	6,847,635
11	2,613,950	3,310,371	5,924,321
12	3,206,083	4,060,262	7,266,345
13	3,442,624	4,359,823	7,802,447
14	2,843,515	3,601,097	6,444,612
Subtotal	\$43,560,850	\$53,025,160	\$96,586,010
State and Federal Obligation	-	20,000	20,000
Asset Maintenance & Operations	-	2,000,000	2,000,000
Research and Development	-	-	-
Emergencies	2,000,000	-	2,000,000
Subtotal	\$2,000,000	\$2,020,000	\$4,020,000
Grand Total	\$45,560,850	\$55,045,160	\$100,606,010

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

SCHEDULE IV – BRIDGE PROGRAM

Of the total \$57,614,431 additional funds made available, it is recommended that \$8,200,000 be allocated for Preliminary Engineering activities starting in 2016. Also, it is recommended that \$2,922,000 be allocated for Right-of-Way acquisition in 2016 and \$1,745,000 be allocated for Construction of bridge projects in 2016. Of the remaining funds, a uniform allocation per Division totaling \$8,092,015 is recommended to address needs that occur on a cyclical basis in each Division, leaving a balance of \$36,655,416 to be allocated based on need. It is recommended that ten percent of the total allocation be distributed for the improvement of culverts 54 inches or greater that are rated in poor condition with the remainder being distributed based on bridge need.

In addition, the staff recommends \$541,224 of previous year's undistributed balances be allocated to assist with funding of project mitigation associated with the Ecosystems Enhancement Program.

Further detail regarding recommended allocations of these funds is addressed in the table below:

Division	Original Allocation	Supplemental Allocation	Total Allocation
1	5,130,568	2,133,829	7,264,397
2	4,976,280	2,124,817	7,101,097
3	7,459,751	3,838,758	11,298,509
4	4,292,681	2,177,225	6,469,906
5	3,418,112	3,264,639	6,682,751
6	3,007,506	2,547,206	5,554,712
7	9,510,745	4,035,214	13,545,959
8	4,188,149	2,153,396	6,341,545
9	5,664,705	3,964,337	9,629,042
10	3,143,406	2,334,061	5,477,467
11	21,710,806	5,812,603	27,523,409
12	7,880,246	3,548,618	11,428,864
13	12,197,386	4,021,499	16,218,885
14	11,092,455	3,332,453	14,424,908
Statewide	50,833,000	12,867,000	63,700,000
Grand Total	\$154,505,796	\$58,155,655	\$212,661,451

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

SCHEDULE V – PAVEMENT PRESERVATION

Division	Original Allocation	Supplemental Allocation	Total Allocation
1	3,410,736	1,838,571	5,249,307
2	3,381,636	1,822,885	5,204,521
3	3,988,542	2,150,040	6,138,582
4	4,308,422	2,322,472	6,630,894
5	3,677,982	1,982,631	5,660,613
6	4,170,839	2,248,308	6,419,147
7	3,768,023	2,031,168	5,799,191
8	5,536,892	2,984,685	8,521,577
9	5,267,632	2,839,539	8,107,171
10	4,817,116	2,596,686	7,413,802
11	8,264,309	4,454,909	12,719,218
12	4,935,306	2,660,397	7,595,703
13	4,069,214	2,193,527	6,262,741
14	5,248,375	2,829,158	8,077,533
Statewide	200,000	-	200,000
Grand Total	\$65,045,024	\$34,954,976	\$100,000,000

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

SCHEDULE VI – CONTRACT RESURFACING

House Bill 97 states that \$57,607,834 for FY 2016 shall, to the extent practicable, be allocated equally to each County in the state. Therefore, the additional funds made available are to being distributed based on each Division's proportionate share of the total number of counties.

Further detail regarding recommended allocations of these funds is addressed in the table below:

Division	Original Allocation	Supplemental Allocation	Total Allocation
1	25,015,023	8,065,096	33,080,119
2	31,029,714	4,608,627	35,638,341
3	35,114,342	3,456,470	38,570,812
4	26,266,624	3,456,470	29,723,094
5	44,201,573	4,032,548	48,234,121
6	23,275,450	2,880,392	26,155,842
7	30,217,784	2,880,392	33,098,176
8	32,821,334	4,608,627	37,429,961
9	14,318,522	2,880,392	17,198,914
10	34,409,278	2,880,392	37,289,670
11	22,214,033	4,608,627	26,822,660
12	29,809,296	3,456,470	33,265,766
13	29,991,335	4,032,548	34,023,883
14	27,905,472	5,760,783	33,666,255
Statewide	2,825,000	-	2,825,000
Grand Total	\$409,414,780	\$57,607,834	\$467,022,614

Item S Summary: 5 Actions totaling \$244,636,337

ITEM T-1

There are no Comprehensive Transportation Plans to be presented for approval at the October 8, 2015 Board of Transportation Meeting.

RESOLUTION FOR GEORGE HAMILTON, IV

WHEREAS, George Hamilton IV was born in Winston-Salem and raised in the Moravian Church, graduated from R.J. Reynolds High School and attended UNC Chapel Hill. While a student there he recorded the teen pop ballad, “A Rose and a Baby Ruth” for Chapel Hill’s Colonial Records. The recording became so popular on the radio that it was bought by ABC-Paramount Records for national distribution and radio promotion, becoming ABC-Paramount’s first million selling hit record; and

WHEREAS, George Hamilton, IV was soon invited to move to Washington, D.C. to become a member of the cast of the Jimmy Dean TV Show where he performed regularly with Jimmy Dean and Patsy Cline; he also appeared on Dick Clark’s “American Bandstand,” Arthur Godfrey’s “Talent Scouts,” “The Perry Como Show,” and hosted his own National Television Musical/Variety Shows on both CBS and ABC TV in the 1950s; and

WHEREAS, in 1959 Mr. Hamilton made history by becoming the first “pop” singer to “Go Country”, he moved his family to Nashville, TN where he recorded the country hit “Before This Day Ends” and his signature country (and pop) hit, “Abilene”; and

WHEREAS, in 1972, Mr. Hamilton and his family moved back to North Carolina and in 1974, he became the first country music performer to go “Behind the Iron Curtain” where he gave a lecture/concert at Moscow University and headlined sold-out concerts in Prague and Czechoslovakia. For all of his international achievements in promoting American Country Music globally, Billboard Magazine gave Mr. Hamilton the title, “The International Ambassador of Country Music”; and

WHEREAS, Mr. Hamilton became a member of the Grand Ole Opry where he performed regularly for 54 years; his final performance there was September 6, 2014; he passed away on September 17, 2014. He recorded over 100 albums during his 58-year music career and throughout his career he always claimed Winston-Salem as his hometown; and

WHEREAS, the Mayor and City Council of Winston-Salem and the Forsyth County Board of Commissioners request to name the U.S. 421/Business 40 Bridge over Salem Avenue and Research Parkway in honor of George Hamilton, IV.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation name the U.S. 421/Business 40 Bridge (#345) over Salem Avenue and Research Parkway as the ***George Hamilton, IV Bridge***.

That appropriate signs be erected at a suitable time.

Adopted, this the eighth day of October 2015 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation

RESOLUTION FOR REVEREND DR. M. B. ROBINSON

WHEREAS, Reverend Dr. M. B. Robinson and his wife raised eleven children near the bridge over Floyd's Creek; and

WHEREAS, Reverend Dr. Robinson and his wife made such that each of their children had the opportunity to gain a higher education; and

WHEREAS, Reverend Dr. Robinson was a member of the Isothermal Community College Board of Trustees and also a member of the Board of Trustees of Winston-Salem State University; and

WHEREAS, Reverend Dr. Robinson created a newspaper called "The Harris Herald" which was the first black newspaper published in Western North Carolina; and

WHEREAS, Reverend Dr. Robinson, a General Officer as editor of "The Star of Zion", the national organ, of the AME Zion Church, whose membership totals more than 7 million people throughout the world; and

WHEREAS, Reverend Dr. Robinson served as pastor and presiding elder of churches and districts in Western and Eastern North and South Carolina; and

WHEREAS, Reverend Dr. Robinson taught brick masonry at Carver High School in Rutherford County which enabled many of the men to develop thriving careers; and

WHEREAS, these are only a few of the accomplishments of reverend Dr. M. B. Robinson; and

WHEREAS, the Rutherford County Board of Commissioners request to name the bridge across Floyd's Creek in honor of Reverend Dr. M. B. Robinson.

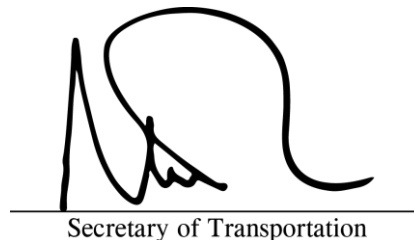
NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the bridge across Floyd's Creek on US Highway 221 in Rutherford County as the ***Reverend Dr. M. B. Robinson Bridge***.

That appropriate signs be erected at a suitable time.

Adopted, this the eighth day of October 2015 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation

DBE / MB / WB LETTING SUMMARY

Federal Contract Awards Summary

Oct 2014 let through Sep 2015 let

Close Out Federal Fiscal Year 2014/2015

	Value Of Contract	DBE Goals Set		DBE Participation Submitted		DBE Participation Split			
						MB		WB	
	\$	\$	%	\$	%	\$	%	\$	%
Monthly	26,742,634.70	3,323,302.51	12.4	3,064,316.70	11.5	88,000.00	0.3	2,976,316.70	11.1
FY to Date	688,233,211.23	76,767,239.71	11.2	77,902,954.38	11.4	11,981,248.80	1.7	65,921,705.80	9.6

State Contract Awards Summary

Jul 2015 let through Sep 2015 let

State Fiscal Year 2015/2016

	Value Of Contract	MB Goals Set		MB Participation Submitted		WB Goals Set		WB Participation Submitted	
	\$	\$	%	\$	%	\$	%	\$	%
Monthly	75,657,965.82	3,750,006.32	5.0	2,575,258.10	3.4	5,822,393.46	7.7	6,337,939.15	8.4
FY to Date	160,470,338.36	6,969,005.50	4.3	5,418,600.40	3.4	9,167,872.95	5.7	11,110,970.81	6.9

Letting Date(s): September 15th, 2015

Award Date: October 8th, 2015

Award Subject to Secretary's Approval

LETTING DATES: September 15, 2015
 AWARD DATE: October 8, 2015

Contract Information	County	Work Description	Prime Contractor	ADVERTISED GOALS SET			PARTICIPATION SUBMITTED			GOOD FAITH EFFORT AWARDED		AWARDED BY SECRETARY	
				YES	NO		YES	NO		YES	NO	YES	NO
50070.3.31 BRSTP-0070(191) BP-5500FF C203745	CRAVEN	BRIDGE PRESERVATION.	RAM CONSTRUCTION SERVICES OF MICHIGAN INC	3.0			3.0					X	
2016CPT.02.04.10741.2 C203757	PITT	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	BARNHILL CONTRACTING COMPANY	4.0	1.0		4.0	1.0				X	
2016CPT.03.03.10651, 41867.3.2 STPNHS-0421(46) W-5103A C203755	NEW HANOVER	GRADING, DRAINAGE, PAVING & SIGNALS.	S. T. WOOTEN CORPORATION	14.0			7.3			X		X	
44105.3.FD1 HSIP-1221(18) W-5516 C203652	ROWAN	GRADING, DRAINAGE, PAVING & STRUCTURES.	SMITH-ROWE, LLC	14.0			14.0					X	
34518.3.6 R-2915A C203593	ASHE, WATAUGA	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.	Cluster Project with C203594 & C203758	N/A	N/A		N/A	N/A					
34518.3.7 R-2915B C203594	ASHE, WATAUGA	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.	Cluster Project with C203593 & C203758	N/A	N/A		N/A	N/A					
34518.3.6, 34518.3.7 R-2915A, R-2915B C203758	ASHE, WATAUGA	GRADING, DRAINAGE, PAVING, WALLS, AND STRUCTURES.	JAMES R. VANNOY & SONS CONSTRUCTION COMPANY, INC	5.0	8.0		3.6	8.0		X		X	
36001.3.2 R-2603 C203580	WILKES	GRADING, DRAINAGE, PAVING, AND STRUCTURES.	YOUNG & MCQUEEN GRADING CO INC	5.0	8.0		3.0	4.2		X		X	



Financial Update

David Tyeryar, Chief Financial Officer
October 7, 2015

Financial Update

SFYTD 2016 as compared SFYTD 2015

Dollars in Millions	<u>August 15</u>	<u>August 14</u>	<u>August 15</u>	<u>August 14</u>	<u>% Change</u>
Revenue Collections	\$ 423	\$ 377	\$ 787	\$ 784	0.4%
Expenditures	<u>405</u>	<u>463</u>	<u>804</u>	<u>797</u>	0.9%
Net Change	\$ 18	\$ (86)	\$ (17)	\$ (13)	
	<u>August 15</u>	<u>August 14</u>			
Cash Balances:					
Trust Fund	\$ 1,177	\$ 902			
Highway Fund*	<u>206</u>	<u>212</u>			
Totals	<u>\$ 1,383</u>	<u>\$ 1,114</u>			

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

Revenue Summary August 2015

(\$ in Millions)

	August 2015	August 2014	Year Over Year			
			2015-2016 Actual	2014-2015 Actual	\$	%
State & Federal Receipts:						
Highway Fund *	\$ 178.5	\$ 179.1	\$ 349.2	\$ 350.0	\$ (0.8)	0%
Highway Trust Fund *	112.8	101.7	228.2	204.0	24.2	12%
Total State Funds	291.3	280.8	577.4	554.0	23.4	4%
Federal Funds/Participation	101.2	68.6	176.6	200.0	(23.5)	-12%
GARVEE Reimbursement/NCTA	30.5	27.8	32.8	30.4	2.4	8%
Total	\$ 423.0	\$ 377.2	\$ 786.8	\$ 784.4	\$ 2.3	0%
	August 2015	August 2014	Year Over Year			
			2015-2016 Actual	2014-2015 Actual	\$	%
* Memo						
Highway Fund & Trust Fund Details						
Motor Fuel Taxes	\$ 168.6	\$ 162.4	\$ 330.6	\$ 323.0	\$ 7.6	2%
Highway Use Tax	60.7	52.3	122.1	105.4	16.7	16%
DMV/Other Revenue	61.2	65.6	124.0	125.1	(1.1)	-1%
Investment Income	0.7	0.5	0.7	0.5	0.2	49%
Total	\$ 291.3	\$ 280.8	\$ 577.4	\$ 554.0	\$ 23.4	4%

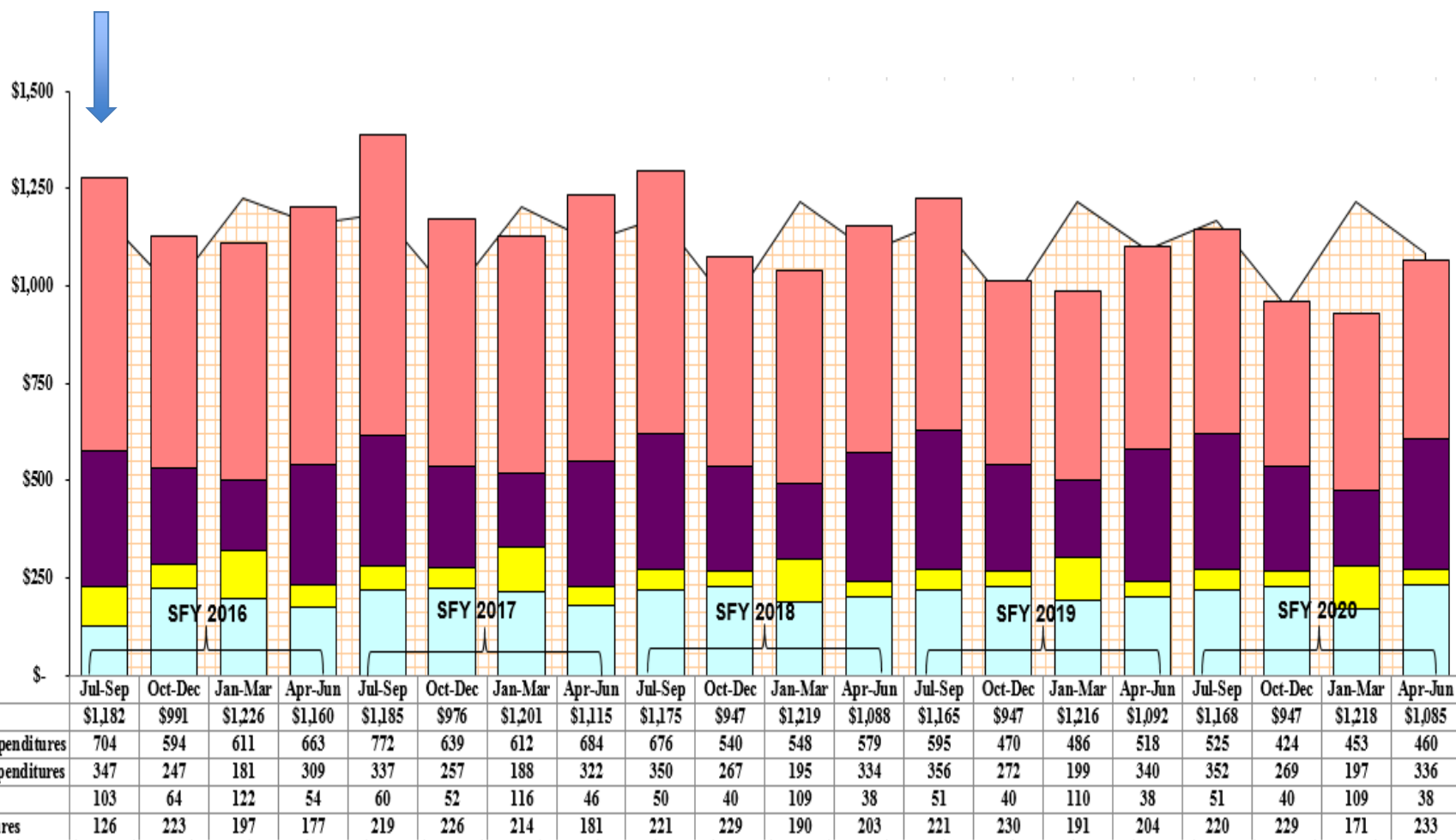
Expenditure Summary August 2015

(\$ in millions)

			Year Over Year			
	Aug-15	Aug-14	2015-2016	2014-2015	\$	%
			Actual	Actual		
State & Federal Funded Programs:						
Construction	\$ 180.8	\$ 209.8	\$ 388.9	\$ 379.3	\$ 9.6	3%
Maintenance	125.9	115.6	238.6	221.3	17.4	8%
Public Transportation	6.5	3.7	13.5	7.8	5.7	74%
Other Modal/Other Programs	10.0	13.9	23.3	24.9	(1.6)	-6%
Administration	20.9	28.5	0.9	14.9	(14.0)	-94%
Municipal Aid	-	-	-	-	-	0%
Transfers to Other Agencies	0.9	56.5	1.5	56.5	(55.0)	NA
GARVEE/NCTA/Special Initiatives	59.8	34.9	137.2	92.2	45.0	49%
Total Expenditures	\$ 404.7	\$ 462.9	\$ 803.9	\$ 796.9	\$ 7.0	1%

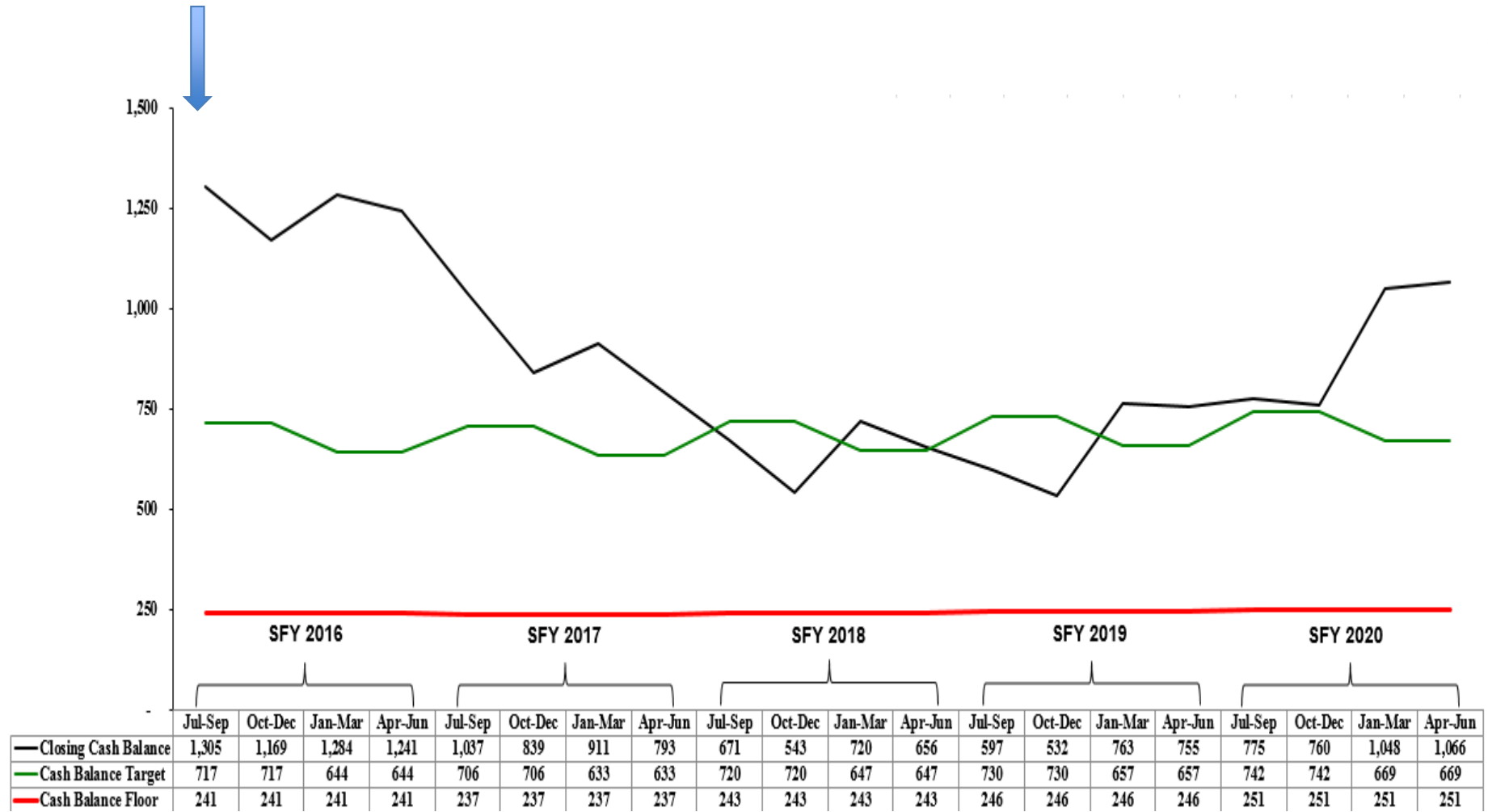
60 Month Cash Model

Revenue & Expenditure Projections as of August 2015

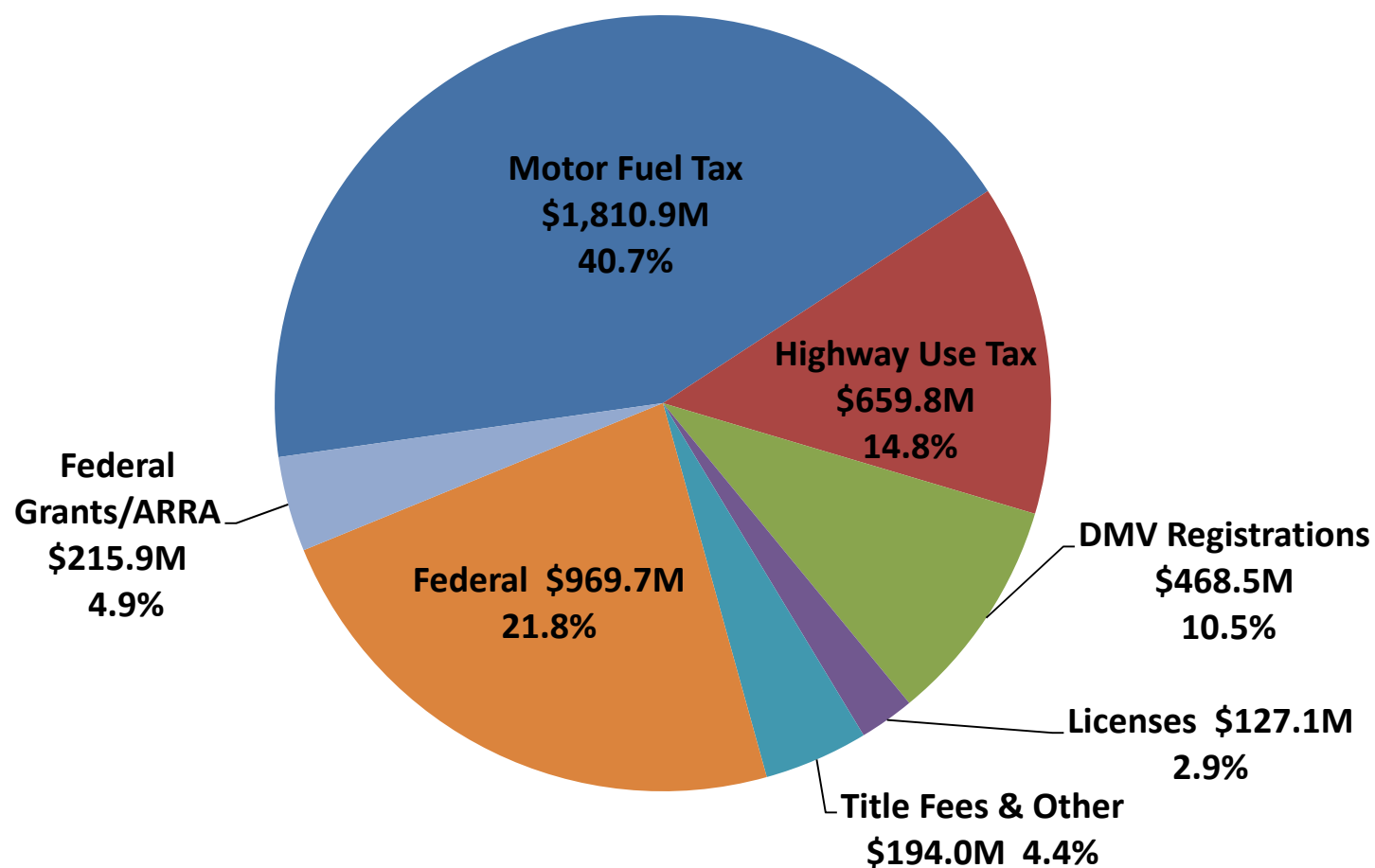


60 Month Cash Model

Cash Projections as of August 2015



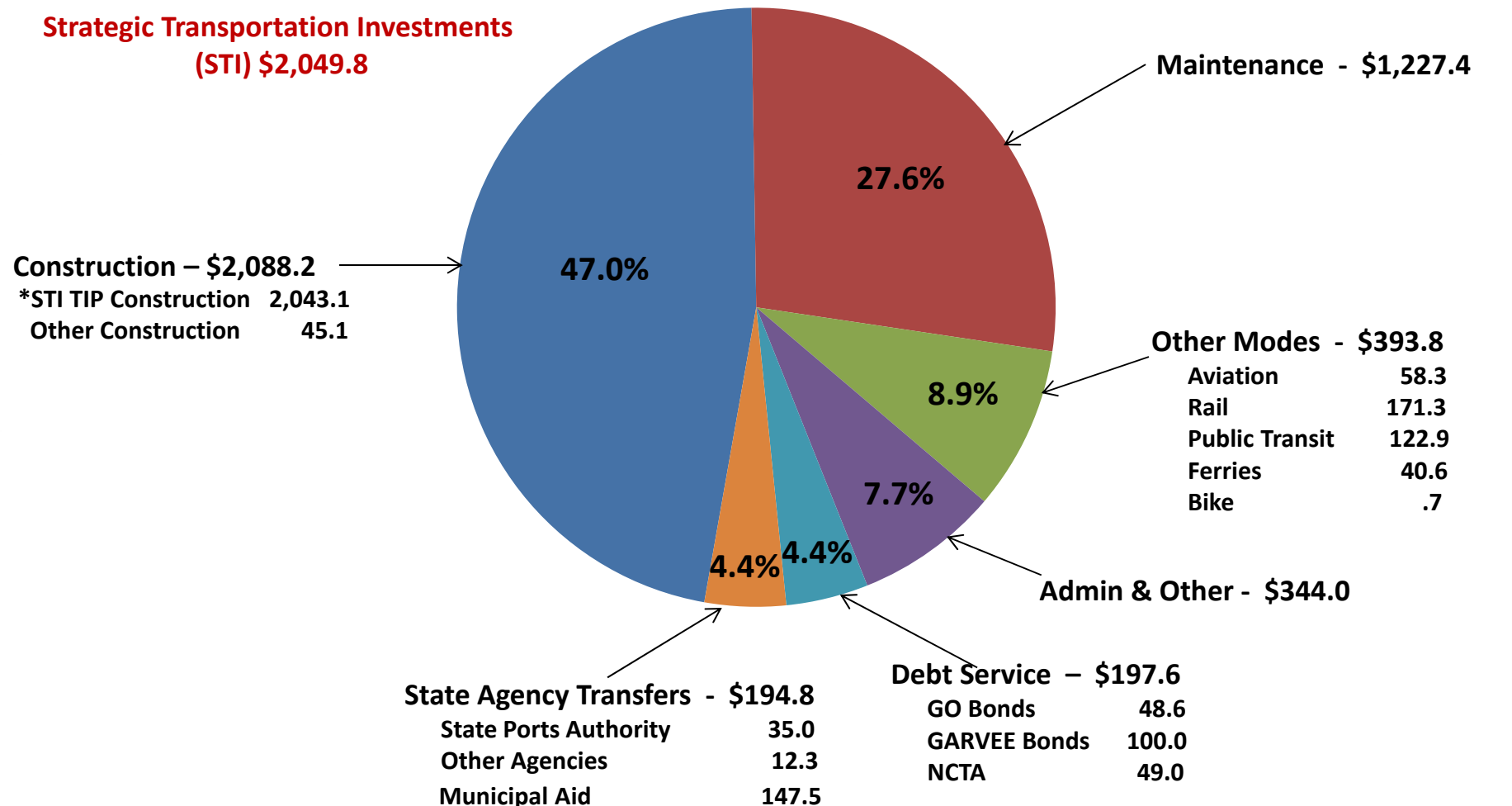
NCDOT Revenue Sources SFY2016 - \$4.4 Billion



Uses of 2015-16 NCDOT Appropriations

Total Funding = \$4.4 Billion

(Excludes Receipt Supported Funding of \$0.1B)



(\$ in millions)

Right of Way & Preliminary Engineering Expenditures

SFY 2016 Period Ending August 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)	\$ 76.6				\$ 76.6	\$ 300.0	26%
Garvee Projects (GV)	2.5				2.5	62.6	4%
Total TIP Projects	\$ 79.1	\$ -	\$ -	\$ -	\$ 79.1	\$ 362.6	
Preliminary Engineering:							
TIP Projects (excluding TA)	\$ 32.6				\$ 32.6	\$ 165.0	20%
Toll Authority (TA) Projects	0.5				0.5	6.5	8%
Total TIP Projects	\$ 33.1	\$ -	\$ -	\$ -	\$ 33.1	\$ 171.5	

MEMO: State Fiscal YTD Totals Exclude Specific Allocations

(\$ in Millions)

FFY 2015 Federal Rail Scorecard

As of August 31, 2015

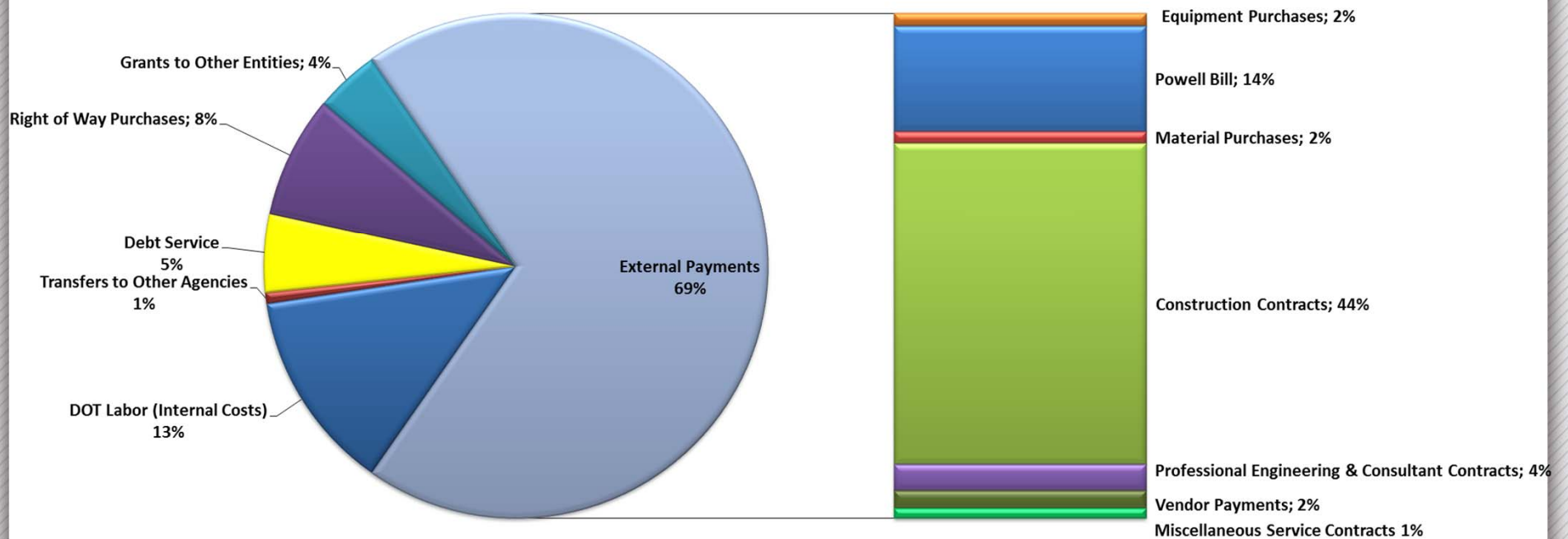
ARRA Rail Grant Awards (Inception to Date)

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	\$ 518,910,596	\$ 317,264,847	\$ 285,237,006	\$ -	\$ 32,027,841	
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	\$ 3,878,404	\$ -	\$ 6,655	
NCDOT Intercity Passenger Rail Congestion Mitigation Period of Performance End Date 8-30-2014	\$ 26,560,839	\$ 26,560,839	\$ 4,605,727	\$ 4,099,897	\$ -	\$ 505,830	
TOTAL ARRA	\$ 550,560,839	\$ 549,471,435	\$ 325,755,633	\$ 293,215,307	\$ -	\$ 32,540,326	\$ 3,576,025

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)

NCDOT Expenditures SFY2016 as of August 31, 2015



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	
	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>				
EXEMPT				\$9,000,000	

* 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</u>	CONSTRUCTION	FY 2018 -	\$1,520,000	(STP)
EXEMPT	<u>FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT IS</u>		FY 2018 -	\$380,000	(L)
	<u>BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>			\$2,200,000	

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 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	HUNTERSVILLE 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	<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>		FY 2018 -	\$4,000,000	(L)
				\$10,000,000	

DIVISION 12

* C-5701	MOORESVILLE, INTERSECTION OF NC 801 AND NC 150. CONSTRUCT INTERSECTION IMPROVEMENTS.	RIGHT-OF-WAY	FY 2016 -	\$110,600	(CMAQ)
IREDELL	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION IN FY 16 NOT PREVIOUSLY PROGRAMMED AT THE REQUEST OF THE MPO.</u>		FY 2016 -	\$29,400	(L)
PROJ.CATEGORY		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	<u>ADD CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED. PROJECT IS BEING FUNDED WITH BONUS ALLOCATION FUNDING.</u>			\$650,000	
PROJ.CATEGORY					
EXEMPT					

STIP MODIFICATIONS

DIVISION 3

AV-5702	WILMINGTON INTERNATIONAL (ILM), REHABILITATE GA APRON NORTH.	CONSTRUCTION	FY 2016 -	\$500,000	(T)
NEW HANOVER	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO COINCIDE WITH LOCAL FEDERAL AVIATION GRANT.</u>		FY 2016 -	\$3,000,000	(O)
PROJ.CATEGORY				\$3,500,000	
STATEWIDE					
R-5023B	NC 53 (BURGAU HIGHWAY), SR 1116 (ONSLow PINES ROAD) TO SR 1105 (HAWs RUN ROAD)	CONSTRUCTION	FY 2017 -	\$1,140,000	(STP)
ONSLow	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>			\$1,140,000	
PROJ.CATEGORY					
TRANSITION					

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 3

R-5023C ON SLOW PROJ.CATEGORY TRANSITION	NC 53 (BURGAW HIGHWAY), SR 1105 (HAWS RUN ROAD) TO WEST OF SR 1109 (HOLLY SHELTER ROAD) <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	CONSTRUCTION	FY 2017 -	\$760,000 \$760,000	(STP)
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DIVISION 4

* C-5546 NASH PROJ.CATEGORY EXEMPT	ROCKY MOUNT, BENVENUE ROAD (NC 43/NC 48) AT JEFFERYS ROAD. INTERSECTION IMPROVEMENTS. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW CITY OF ROCKY MOUNT ADDITIONAL TIME FOR DESIGN.</u>	CONSTRUCTION	FY 2016 -	\$130,000 \$130,000	(CMAQ)
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C-5548 NASH PROJ.CATEGORY EXEMPT	ROCKY MOUNT, BENVENUE STREET, TARBORO STREET, FALLS ROAD, FRANKLIN STREET, LEGETT ROAD, AND CHURCH STREET. CONSTRUCT SIDEWALKS. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW CITY OF ROCKY MOUNT ADDITIONAL TIME FOR DESIGN.</u>	CONSTRUCTION	FY 2016 -	\$422,000 \$422,000	(CMAQ)
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* 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. <u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME TO IDENTIFY UTILITY IMPACTS.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2016 -	\$1,428,000 \$1,505,000 \$2,933,000	(HSIP) (HSIP)
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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. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 AT REQUEST OF TRANSPORTATION PLANNING BRANCH.</u>	CONSTRUCTION	FY 2016 - FY 2016 -	\$3,630,000 \$908,000 \$4,538,000	(CMAQ) (L)
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* C-5168 WAKE PROJ.CATEGORY EXEMPT	CRABTREE CREEK GREENWAY, CONSTRUCT GREENWAY CONNECTING EXISTING GREENWAY IN CARY THROUGH MORRISVILLE, INCLUDING REPLACEMENT OF TRAIN TRESTLE. <u>MODIFY DESCRIPTION AND DELAY CONSTRUCTION 15 TO 16 AT REQUEST OF MPO AND TRANSPORTATION PLANNING BRANCH.</u>	CONSTRUCTION	FY 2016 - FY 2016 -	\$2,954,000 \$738,000 \$3,692,000	(CMAQ) (L)
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* INDICATES FEDERAL AMENDMENT

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>				

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 7

* C-5555E	SR 1546 (COLLEGE ROAD) AND SR 2179 (NEW GARDEN ROAD) IN GREENSBORO. CONSTRUCT SIDEWALKS.	RIGHT-OF-WAY	FY 2016 -	\$40,000	(CMAQ)
GUILFORD			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>				

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

DIVISION 8

* W-5208MA	US 15 / US 501, NC 144 INTERSECTION. CONSTRUCT ROUNDABOUT.	RIGHT OF WAY	FY 2016 -	\$100,000	HSIP
SCOTLAND		UTILITIES	FY 2016 -	\$60,000	HSIP
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION IN FY 16</u>	CONSTRUCTION	FY 2016 -	\$750,000	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-CONCORD ROAD) TO US 29. WIDEN TO MULTI-LANES.
MECKLENBURG	<u>CHANGE WESTERN PROJECT LIMITS FROM SR 1394</u>
CABARRUS	<u>(POPLAR TENT ROAD) TO SR 2693 (DAVIDSON-</u>
PROJ.CATEGORY	<u>CONCORD ROAD) AT THE REQUEST OF MPO.</u>
REGIONAL	

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 10

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	

* U-5115	MATTHEWS MINT HILL, INTERSECTION OF NC 51 AND	CONSTRUCTION	FY 2016 -	\$1,200,000	(STPDA)
MECKLENBURG	IDLEWILD ROAD. CONSTRUCT INTERSECTION		FY 2016 -	<u>\$300,000</u>	(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	

* INDICATES FEDERAL AMENDMENT

Thursday, October 08, 2015

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 11

* 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>				

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, October 08, 2015

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.

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-1B, 1 Project , Total Federal/State funds \$69,000



P3.0 STIP Amendments

BOT Meeting

Calvin Leggett, PE, Planning and Program Division

October 7, 2015

Updated STIP with Additional Revenue

2016-2025 STIP developed based on a 2014 forecast budget

A large blue downward-pointing arrow connecting the first box to the second box.

Last month, HB 97 passed, so we now have an updated budget with additional revenues

A large blue downward-pointing arrow connecting the second box to the third box.

How does this affect the STIP?

Legislative Session 2015 – Biennium Funding

Timeline		Biennium* (\$ Millions)
September	Session Law 2015-241 (HB 97) - Increases most DMV fees by 30% - Adjust DMV fees every 4 years based on CPI - Increased some Highway Use Tax Caps - Reduces motor fuel tax deductions <i>Stops General Fund Transfer which increases budget availability (not revenues)</i>	273 435
Total	Increased Revenues <i>and Budget Authority</i>	708

Legislative Session 2015 – Funding (cont.)

Changes Motor Fuel Tax Revenue Distribution

From 75% to Highway Fund* and 25% to
Highway Trust Fund**



To 71% Highway Fund and
29% to Highway Trust Fund

Increases State Transportation Revenues used for Transportation

From 85% in 2008



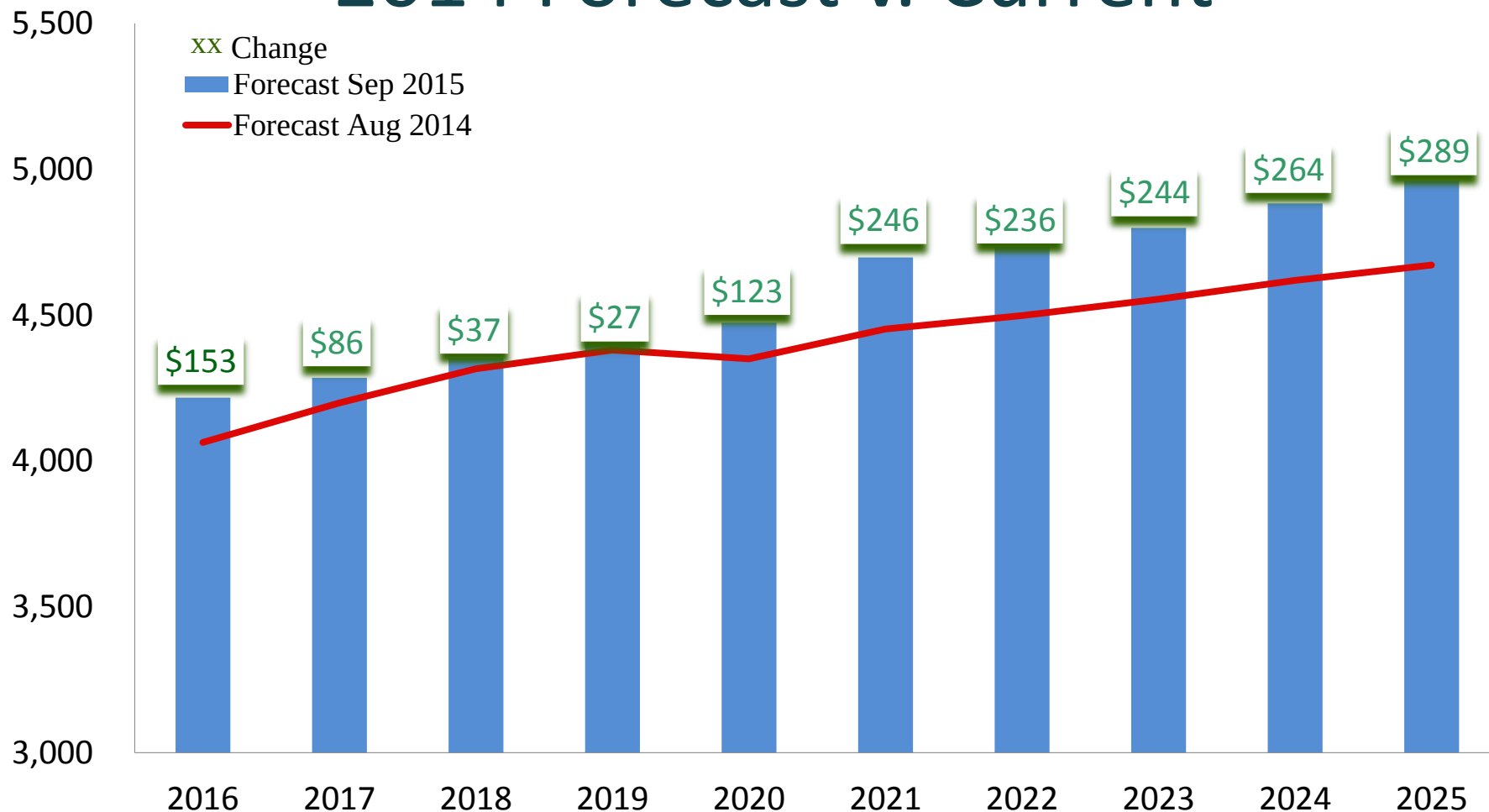
To 99.5% in 2016 forward

* Highway Fund is for Maintenance and Operations activities

** Highway Trust Fund is for Capital Projects

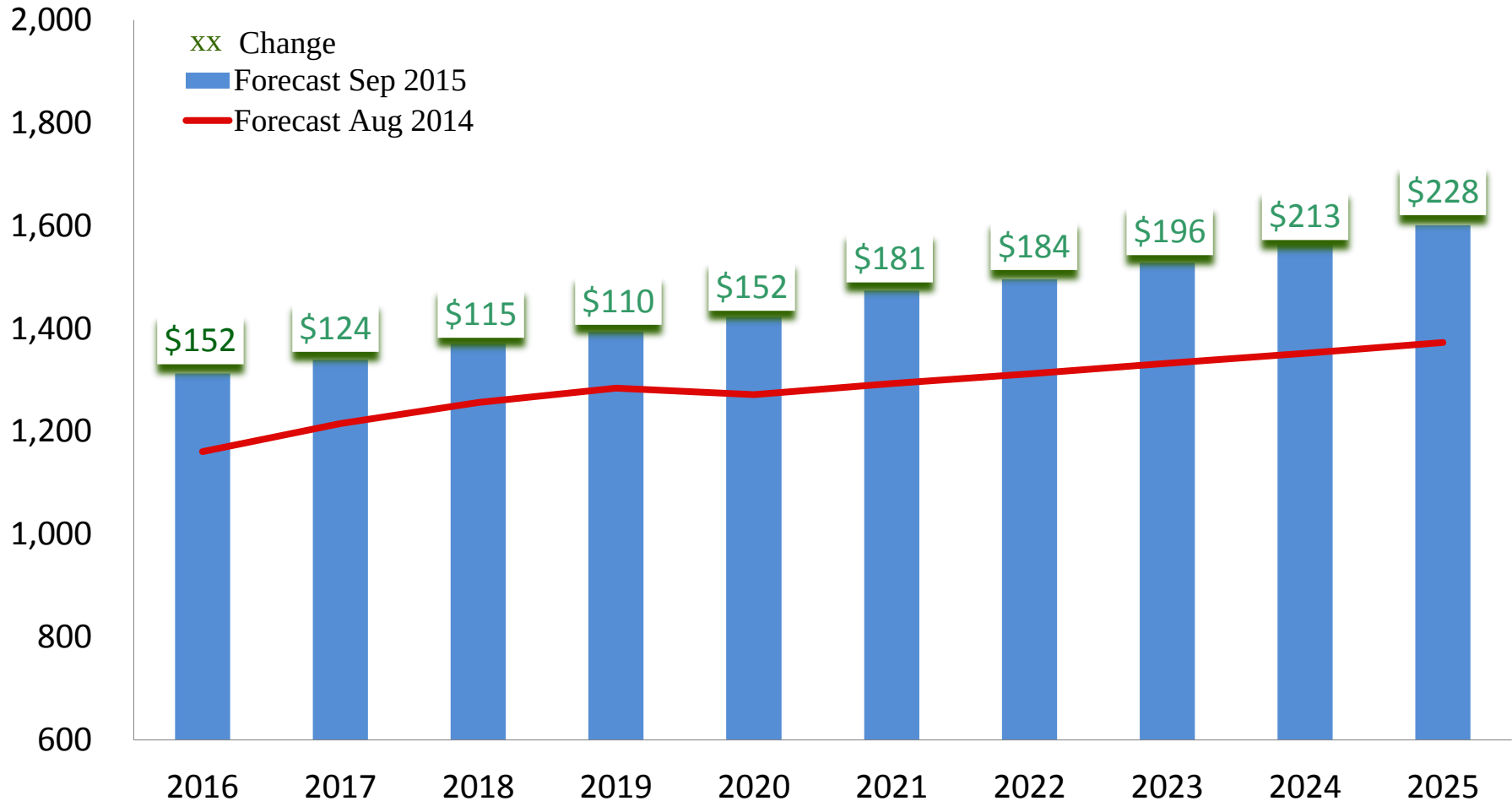
State Revenue Comparison (\$ in Millions)

2014 Forecast v. Current



State STIP Budget Availability (\$ in Millions)

2014 Forecast v. Current



STI Allocations for STIP (\$ in millions)

	2016-2025 STIP June 2015	2016-2025 STIP Additional Revenue (HB 97) Sept 2015	
	10 YR ALLOCATION (1000'S)	10 YR ALLOCATION (1000'S)	CHANGE (1000'S)
Statewide	\$4,948,070	\$5,633,900	\$685,830
Regional	\$3,704,970	\$4,219,350	\$514,380
Region A (Div 1 & 4)	\$319,639	\$364,016	\$44,377
Region B (Div 2 & 3)	\$451,757	\$514,477	\$62,720
Region C (Div 5 & 6)	\$811,026	\$923,625	\$112,599
Region D (Div 7 & 9)	\$626,621	\$713,618	\$86,997
Region E (Div 8 & 10)	\$750,975	\$855,237	\$104,262
Region F (Div 11 & 12)	\$419,766	\$478,044	\$58,278
Region G (Div 13 & 14)	\$325,185	\$370,332	\$45,147
Division	\$3,711,050	\$4,225,430	\$514,380

Updated STIP – Additional Revenue

Assumptions made in STIP adjustment

MORE REVENUE MEANS MORE PROJECTS

Project selection and schedules will be based on P 3.0 Scoring

\$1.6 B additional over 10 years

Adjustments to Bonus Allocation (cap on toll projects changed)

Updated STIP - Amendment Process

UPDATE PROGRAMMING REQUIRES PRECONSTRUCTION & DIVISION SCHEDULE VALIDATION

Re-apply normalization thresholds (4% non-highway/90% highway/6% flex)

Re-apply STI rules...corridor caps, etc.

New Light Rail Transit Cap

Propose the Project Guarantee Window to be effective as of January 2016

Final approval for some projects will require 6-9 months to complete revised AQ determinations. Those projects will be noted in the December BOT handout.

Next Steps

Early October

Federal approval of 2016-2025 STIP (achieved)

**End of October
2015**

Complete preliminary update of program

**November 13,
2015**

Complete Preconstruction/Division/ BOT feedback on preliminary update

**December
2015**

Present amendments to STIP (as handout) to BOT and submit updated fiscal constraint picture to Feds

January 2016

BOT Action Item - Amendments to STIP

**Spring/
Summer 2016**

Prepare for P4.0 programming exercise

Questions?



Performance Metrics & Dashboards

Ehren Meister, MPA
Performance Metrics Director
October 8, 2015

Performance Metrics at NCDOT

Agency Performance
(Dashboards, Reports, Scorecards, etc.)

Business Unit Work Planning

Employee Performance (NCVIP)



NCDOT's Performance Dashboards

What's a Performance Dashboard – just like a car's dashboard, it's a dynamic set of indicators that can tell us how an organization is performing, therefore improving accountability, transparency, and decisions

1. **Organizational Performance Dashboard** (www.ncdot.gov/performance)
 - Public-facing (web)
 - Public-friendly and easy to understand and navigate
2. **NCDOT's Internal Management Dashboard (first in NC!)**
 - Internal-facing (secure access only on our internal portal)
 - Detailed performance data and results by organizational structure

Public Dashboard

www.ncdot.gov/performance



NCDOT

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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

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Organizational Performance

The N.C. Department of Transportation is committed to measuring and improving performance. The department's Organizational Performance Dashboard serves as an indicator of how well we are meeting our mission and goals. Check this page often for updates and real-time information.

Simply roll over a dial to see additional performance data for each goal.

[Fatality Rate](#)



1.17

[Incident Duration](#)



71min

[Infrastructure Health](#)



74%

[Delivery Rate](#)



86%

[Employee Engagement](#)



5.23



Fatality Rate

This is defined as the total number of statewide fatalities on NC roads per 100 million vehicle miles traveled for the calendar year to date. The gauge is accompanied by a trend chart of the total number of fatalities, crashes and injuries by year.

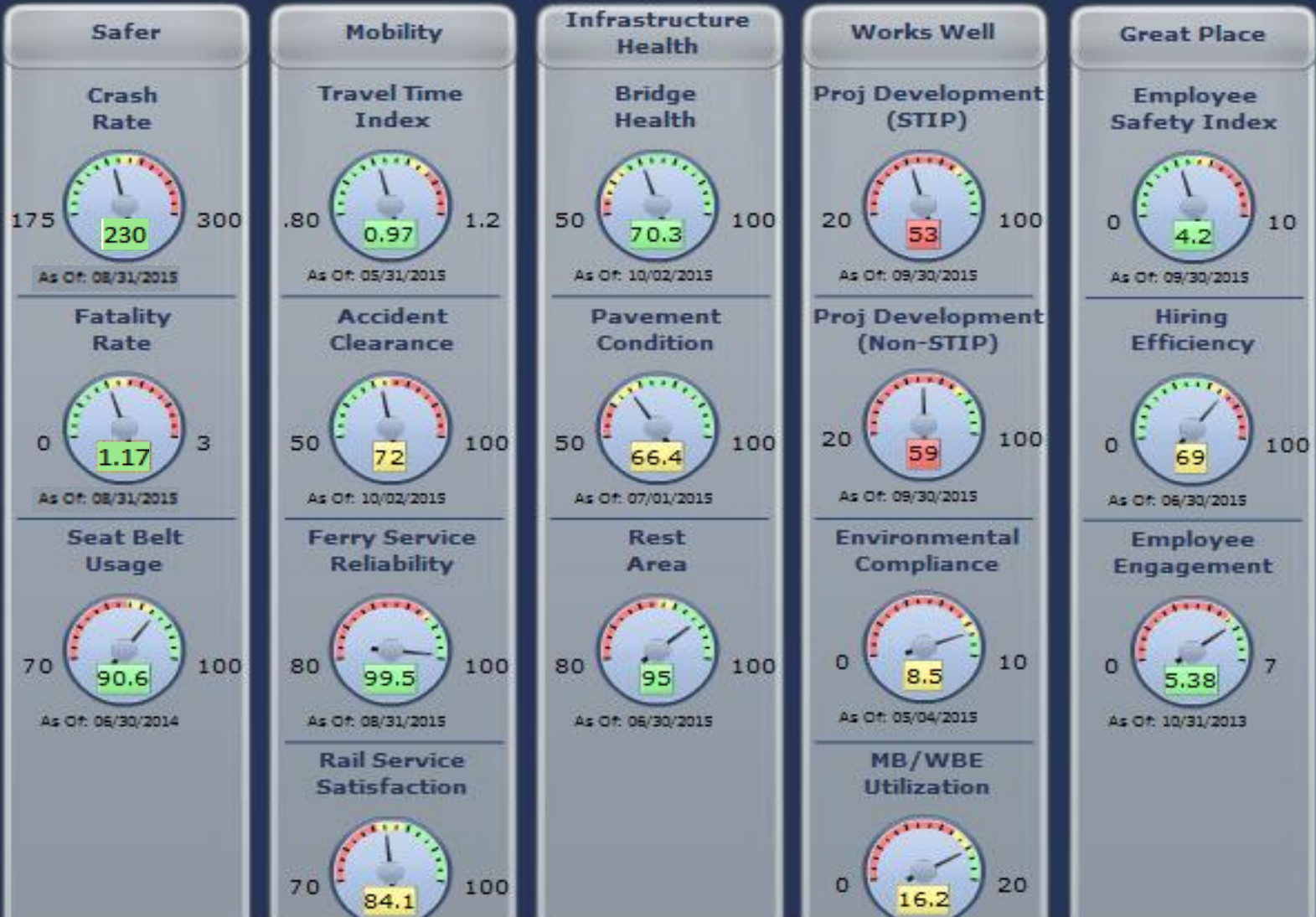
[Click here for additional performance information](#)

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



NCDOT Internal Management Dashboard

 Consultant Utilization 63.3
  Employee Safety Index 4.2
  Hiring Efficiency 69



For illustration only. Not live.

For illustration only. Not live.

Our Strategy



our mission

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

our goals

Make transportation **safer**.

Provide GREAT **customer service**.

Deliver and maintain our infrastructure effectively and efficiently.

Improve the **reliability and connectivity** of the transportation system.

Promote **economic growth** through better use of our infrastructure.

Make our organization a **great place** to work.



Strategic Performance Measures

Goal 1: Safer

- *Reduce fatalities by 2% or greater*

Goal 2: Customer Service

- *Achieve an overall customer satisfaction result of 85 percent or greater*

Goal 3: Deliver & Maintain

- *Let to contract at least 85 percent of our planned projects on schedule*
- *Achieve an infrastructure health composite index of 75 percent or greater*

Strategic Performance Measures (continued)

Goal 4: Reliability & Connectivity

- *Increase the percentage of time when travel times are met based on highway speed limits to 80 percent or greater*
- *Increase the percentage of time when trips with published schedules are met to 80 percent or greater*

Goal 5: Economic Growth

- *Increase the economic vitality of North Carolina*

Goal 6: Great Place to Work

- *Achieve an employee engagement survey score of 5.25 or greater*

Next Steps

- Continued integration and alignment of our strategic plan and metrics
- Dashboard changes and updates coming soon
- Governance Office facilitation
- Monitor results (BOT engagement)



Product Evaluation Program Awareness

Jimmy Travis, PE
Jessica Kuse, PE

Transportation Program Management Unit
Value Management Office

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.

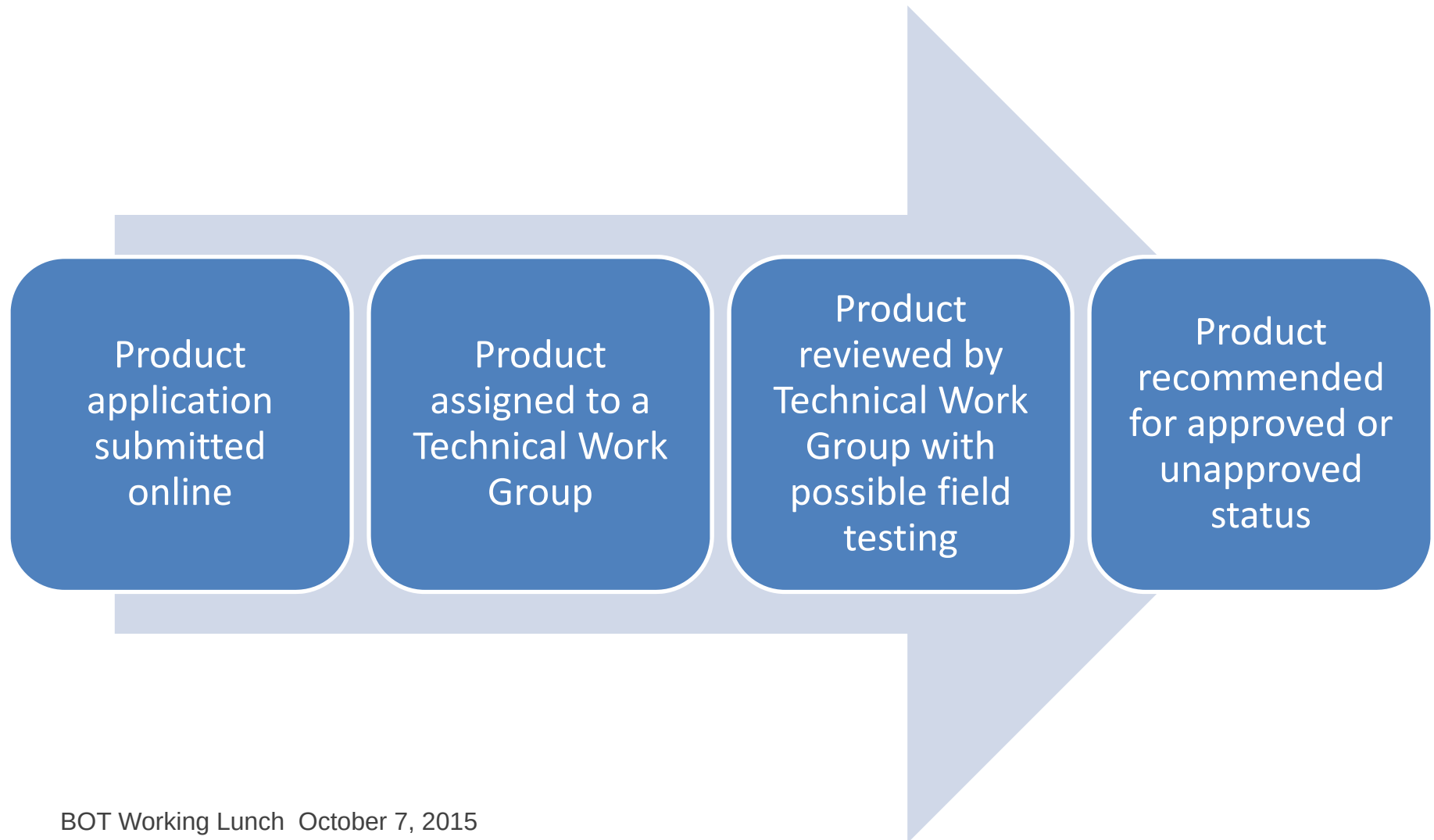
The Product Evaluation Program, or any successor program operated by the Department of Transportation to review and approve or disapprove new and innovative technologies and products for use by the Department, **shall complete its evaluation of a technology or product within one year from the date that 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.

Product Evaluation Program *(Current)*

- Comprehensive Evaluation
- Performance Field Testing
- Multiple Units Involved in Evaluation
 - *Technical Work Groups*
 - *Unit Process*
- Recertification
- APL Utilization
 - *DOT, LGAs, Utilities, Contractors*

Overarching Product Evaluation Process Flow



BOARD DISCUSSION & FEEDBACK

Brainstorming Ideas

✓ Marketing & 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 & Technology Implementation

- *Review of Current Processes & Workflow*
- *PEP Expanded to Address Innovative Technology*

Board Engagement...

- *Looking For What Should be in the Plan...*
- *Looking For What Should not be in the Plan...*
- *Next Steps to Complete a Draft Plan...*

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



ECONOMIC DEVELOPMENT & INTERGOVERNMENTAL RELATIONS COMMITTEE MEETING MINUTES

DATE: 09/02/2015 TIME: 2:37 P.M. LOCATION: Room 150

MEETING CALLED BY	Terry Hutchens, Chair
BOARD ATTENDEES	ED&IR Committee

AGENDA TOPICS

1. APPROVAL OF MAY MEETING MINUTES - VICE CHAIR OVERHOLT	
DISCUSSION SUMMARY	Chair Hutchens made a motion to approve the August 2015 ED&IR Committee Meeting minutes, Board Member Blount seconded the motion and Board Member Alexander approved.
ACTIONS TAKEN	Approval of August Meeting Minutes

2. ECONOMIC DEVELOPMENT FUNDS – ED&IR	
DISCUSSION SUMMARY	The committee heard from the three primary managers of economic development funding at NCDOT. Mike Holder, Chief Engineer, manages the Economic Development, Contingency, Small Construction and Public Access funds. Calvin Leggett, Director of Planning and Program Development, manages the STIP Economic Development fund while Paul Worley, Rail Division Director, manages the Freight Rail & Rail Crossing Safety Improvement Fund. Together, these three major branches at NCDOT manage approximately \$45 million dollars in time sensitive infrastructure investments with the ultimate goal of growing the number of jobs in the state. Each presenter gave an overview of the nomination process to qualify for these funds as well as how each fund is monitored. Each fund has slightly different systems in part due to being created by the General Assembly at different times. However, all funds have a strict approval system which includes votes by either the Secretary of Transportation, the Board of Transportation, the Secretary of Commerce and/or legislative leaders. Board members in attendance then reflected on the presentations and their comments coalesced around two major themes. The first theme focused on the importance of job creation activities in distressed counties and the second theme focused on whether more can be done by NCDOT to assist distressed counties through the use of economic development funds. The resulting question prompted board members to call Calvin Leggett to return next month and provide analysis on the first theme.



ECONOMIC DEVELOPMENT & INTERGOVERNMENTAL RELATIONS COMMITTEE MEETING MINUTES

ACTIONS TAKEN	Based up the presentation, Calvin Leggett has been asked to return and provide answers to board member questions.
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3. MEETING ADJOURNED	
DISCUSSION SUMMARY	Meeting adjourned at 3:45 p.m.
ACTIONS TAKEN	Staff members at NCDOT are preparing analysis of Economic Development fund activities as they relate to distressed counties in the state.



ECONOMIC DEVELOPMENT & INTERGOVERNMENTAL RELATIONS COMMITTEE AGENDA

BOARD OF TRANSPORTATION OCTOBER 7, 2015

TIME: 2:30

LOCATION: Room 150 (Board Room)

TOPIC	PRESENTER	TIME
Welcome	Terry Hutchens, Chair	2:30-2:40
Economic Development Funds Per County Tier Status	Calvin Leggett, Program Development	2:40-3:00
Economic Development Funds Comparative Analysis	Burt Tasaico, State Program Analysis	3:00-3:20
Discussion & Adjourn	All	3:30-3:45

North Carolina

DEPARTMENT OF TRANSPORTATION

How do NCDOT's Economic Development Programs Compare?

For the Economic Development and Intergovernmental Relations Committee Oct 2015
SURVEY DATA NOT UPDATED SINCE 2014

What does NCDOT have?

DATA NOT UPDATED SINCE 2014

Name	Cost (by FY)		Trend
State Transportation Improvement Program - Economic Development Program	FY 2008-09	\$ 39,328,536	
	FY 2009-10	\$ 10,000,000	
	FY 2012	\$ 10,000,000	
	FY 2014 Eligible (Up To)	\$ 10,000,000	
	FY 2015-16	\$ 7,550,000	
Contingency Fund	FY 2011	\$ 12,000,000	
	FY 2012	\$ 12,000,000	
	FY 2013 (Used unallotted Bal)	\$0	
	FY 2014	\$ 12,000,000	
	FY 2015 - 16	\$ 12,000,000	
Public Access Fund	FY 2011	\$ 1,860,000	
	FY 2012	\$ 1,760,000	
	FY 2013	\$ 1,760,000	
	FY 2014	\$ 1,720,000	
	FY 2015 - 16	\$ 1,720,000	
Economic Development Fund	FY 2014	\$ 3,800,000	
	FY 2015	\$ 4,000,000	
	FY 2016	\$ 4,000,000	
Freight Rail & Rail Crossing Safety Improvement Fund (2nd Year)	FY 14	\$ 19,400,000	
	FY 15*	\$ 3,500,000	
	FY 16*	\$ 3,750,000	
	*New Consolidated Fund, Forecasted Amounts used for the survey results		
Small Construction	FY 2011	\$ 7,000,000	
	FY 2012	\$ 7,000,000	
	FY 2013	\$ 7,000,000	
	FY 2014	\$ 5,000,000	
	FY 2015	\$ 2,500,000	

Each Program has a direct and/or indirect “jobs-created” requirement as a qualifier for approval, typically focused on ingress and egress of employees and/or freight to a company

Total, NCDOT has approximately \$ 31 Million – represents 0.7% of budget

NC Department Of Commerce has approximately \$77 Million

Total, the State of North Carolina has approximately \$108 Million eligible for infrastructure projects which are fit within the Economic Development criteria and are reoccurring*

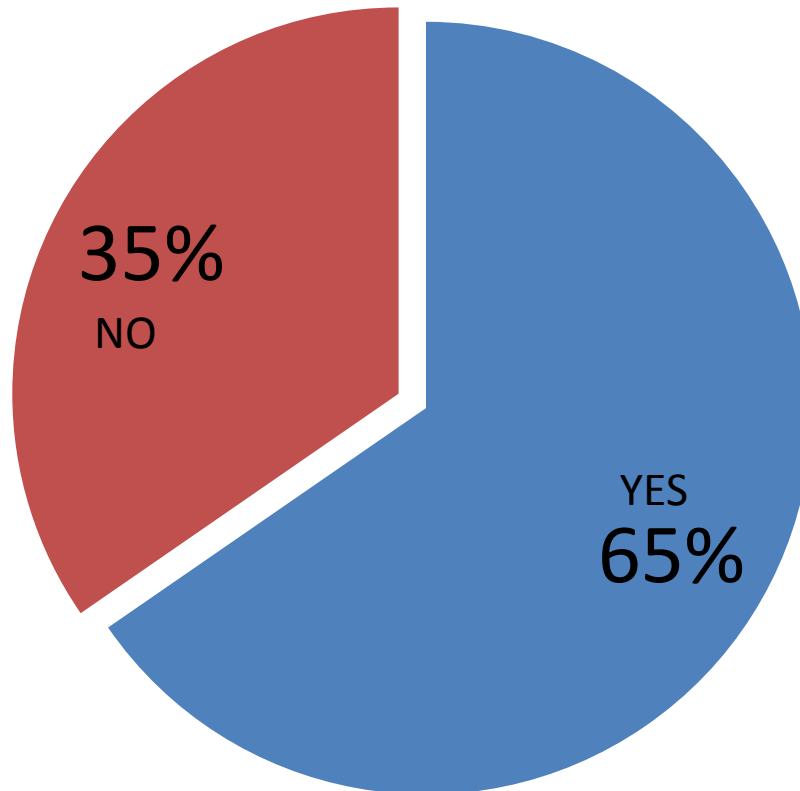
*Separate from \$1.5B a year LET in Capital Improvements, which correlate to 20,000 Jobs
Each Program has a different jobs requirement, but requires jobs to be the end goal

How do our Programs Compare?

Q: Does your state's Department of Transportation presently have a program(s), grant(s) or fund(s) that is reoccurring and serves the purpose of enabling access to job centers (e.g., industrial parks, specific companies, megasites), separate from the state's Transportation Improvement Program, to address time sensitive and job producing challenges.

Result:

Out of 26 States, 17 DOT's have Economic Development Programs



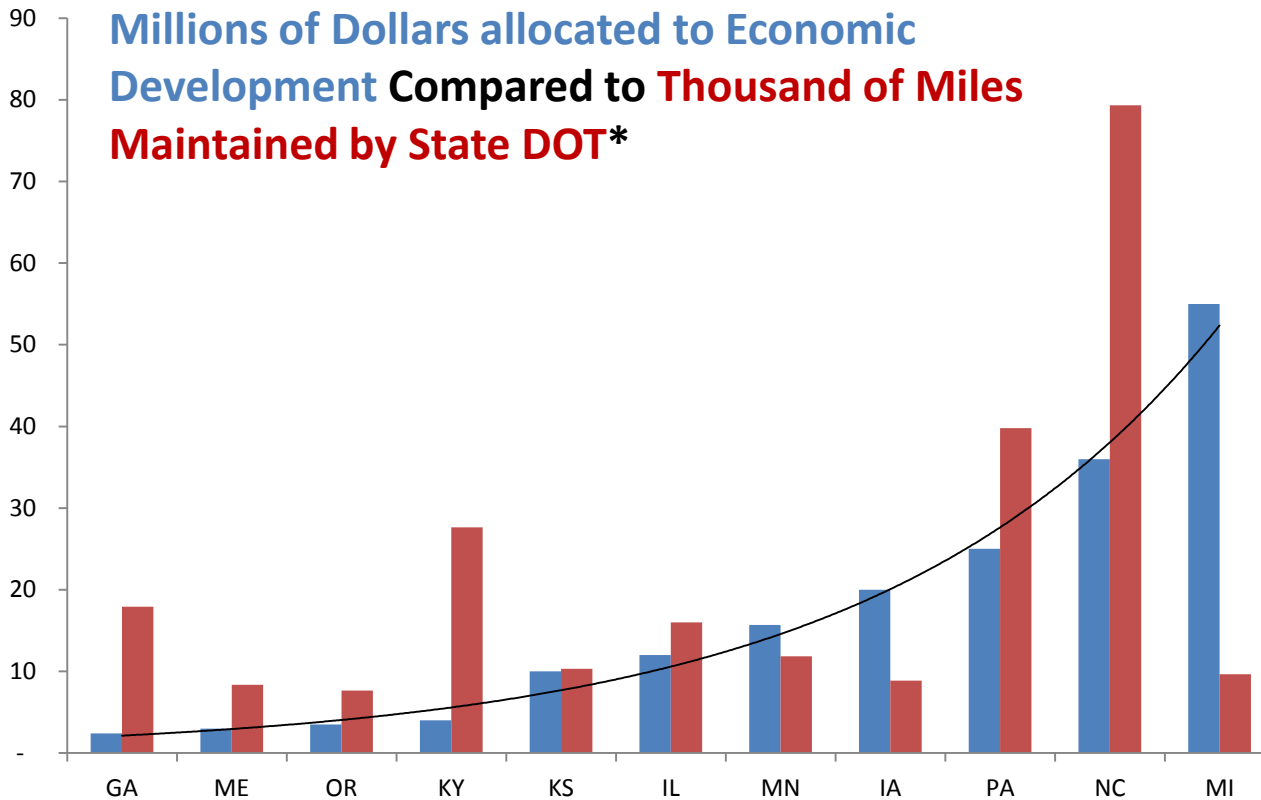
How do our Programs Compare? Part 2

Q: How much money do you have available to spend each year for these economic development programs?

Result

North Carolina's programs were the 2nd highest total amounts in the survey out of 11 respondents

Millions of Dollars allocated to Economic Development Compared to Thousand of Miles Maintained by State DOT*

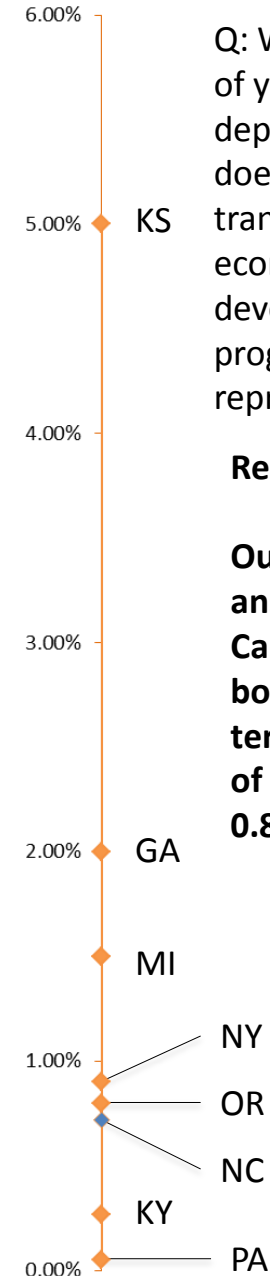


*Total Miles Maintained retrieved from FHWA website at: <http://www.fhwa.dot.gov/policyinformation/statistics/2012/>

Q: What percentage of your total department budget does your transportation economic development program(s) represent?

Result

Out of 9 who answered, North Carolina is the bottom third in terms of percentage of total budget at 0.8%



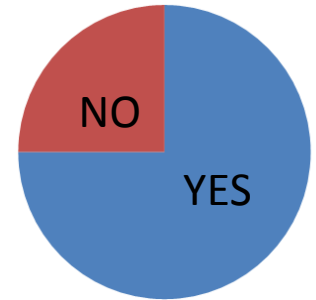
Other Economic Deployment Programs

Q: Does your state have an economic development program in another state agency that can be used for transportation projects?

DATA NOT UPDATED SINCE 2014

Result:

Out of 8 States, 6 States have economic development programs that can create infrastructure outside of their Department of Transportations



NORTH CAROLINA DEPARTMENT OF COMMERCE

The Industrial Development Fund

The use of Utility Account funds are limited to **publicly-owned infrastructure only**, with the goal of creating direct or indirect jobs in either manufacturing and processing, warehousing and distribution, or data processing.



- \$FY '15 – '17 = \$14M
- \$500K Max Award
- 3 Projects in '10, 1 in '11, 2 in '12 and 2 in '14

Rural Development Grants

To construct critical water and wastewater facilities or to provide other infrastructure needs, including, but not limited to, natural gas, broadband, and **rail to sites** where these facilities will generate private job-creating investment.



- FY '15 – '17 = \$31M
- \$500K Max Award
- 4 Projects in '11, 2 in '12

Community Development Block Grants Economic Development

Grants to local government to assist with construction of infrastructure (Water, sewer, **street**, natural gas lines, **rail** or municipal electrical Grants fund up to 75% of the need (100% for 25 most distressed counties) Local 25% cash match can come from private or public funds but must pass through local government CDBG \$ per job is based on level of distress in county where project located.



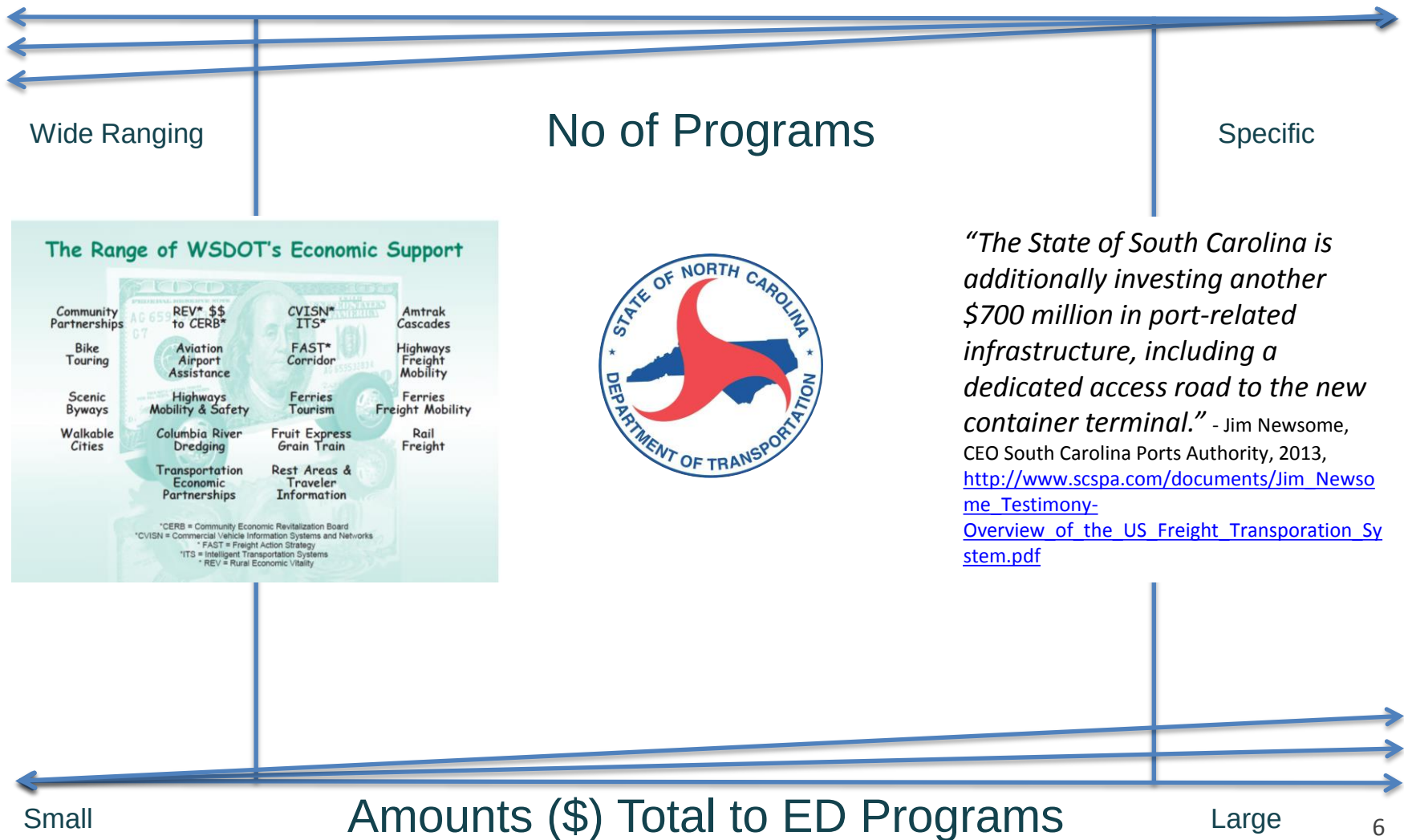
- FY '15 – '17 = \$31M*
- \$500K Max Award
- 3 Projects in '10, 2 in '12, 3 in '13 and 1 in '14

*Subject to Fed Matching

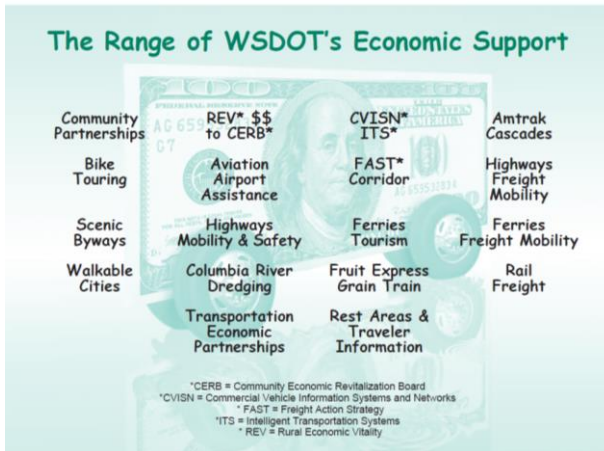
Other Economic Deployment Programs (Part 2)

Philosophical Investment Strategies

*Not to scale



"The State of South Carolina is additionally investing another \$700 million in port-related infrastructure, including a dedicated access road to the new container terminal." - Jim Newsome, CEO South Carolina Ports Authority, 2013, [http://www.scsapa.com/documents/Jim_Newsome_Testimony-Overview_of_the_US_Freight_Transportation System.pdf](http://www.scsapa.com/documents/Jim_Newsome_Testimony-Overview_of_the_US_Freight_Transportation_System.pdf)



Summary

- NCDOT spends less than most States surveyed when compared to percentages of total budget
- NCDOT programs relating to Economic Development are declining in purchasing power and funding
- Some States rely on large, specific economic development investment strategy
- North Carolina has broad, incremental and diverse economic development investment strategy

PRE-STI ECONOMIC DEVELOPMENT PROGRAM (FROM YEAR 2000)						
TIP NO.	INDUSTRY	COUNTY	COST	INDUSTRY INVESTMENT	NEW JOBS	COUNTY TIER (2013)
I-4410	LOWE'S	IREDELL	\$9,537,000	\$150,000,000	8,000	3
I-4411			\$32,231,000			
R-4453	3M	CHATHAM	\$431,000	\$110,000,000	75	3
R-4752	MERCK PHAR.	DURHAM	\$2,756,000	\$256,000,000	200	3
R-5524	SIERRA NEVADA BREWERY	BUNCOMBE	\$2,041,000	\$107,500,000	93	3
U-4026	CISCO DAVIS DRIVE	WAKE DURHAM	\$31,731,000	\$100,000,000	2,000	3
			\$7,100,000			
			\$4,000,000			
			\$13,388,000			
U-4410	CISCO RTP ACCESS	WAKE	\$8,655,000	\$100,000,000	1,500	3
			\$5,888,000			
U-4759	FORSYTH	FORSYTH	\$905,000	\$210,000,000	27,000	3
U-4760	DELL	FORSYTH	\$3,247,000			
U-4918A	PIEDMONT TRIAD RESEARCH PARK	FORSYTH	\$4,000,000	\$20,000,000	350	3
			\$4,000,000			
U-5024	NOVARTIS	WAKE	\$2,696,000	\$107,500,000	93	3
			\$2,650,000			
			\$2,151,000			
		TIER 3 SUBTOTAL	\$137,407,000	\$1,053,500,000	39,218	

R-4439	COMMSCOPE	CLEVELAND	\$1,048,000	\$25,000,000	150	2
R-4460	UNIVERSAL LEAF	NASH	\$840,000	\$80,000,000	1,000	2
R-4461	METALS USA	RANDOLPH	\$463,000	\$8,000,000	45	2
R-4463	BOSCH CORP.	CRAVEN	\$53,227,000	\$220,330,000	1,443	2
R-4905	CERTAINTED	GRANVILLE	\$465,000	\$45,000,000	75	2
R-4906	BPB	PERSON	\$1,854,000	\$100,000,000	200	2
R-5526	ROOMS TO GO	HARNETT	\$3,350,000	\$100,000,000	220	2
U-4915	DOLE	GASTON	\$760,000	\$20,000,000	600	2
			\$225,000			
		TIER 2 SUBTOTAL	\$62,232,000	\$598,330,000	3,733	

R-4442	WAL-MART	VANCE	\$847,000	\$22,000,000	650	1
R-4447	LOWE'S	NORTHAMPTON	\$821,000	\$62,000,000	600	1
R-5501	EMPIRE FOODS	HALIFAX	\$940,000	\$3,000,000	200	1
R-5519	ENVIVA WOODS	NORTHAMPTON	\$3,509,000	\$60,000,000	60	1
R-5527	HARRAH'S GAMING FACILITY	CHEROKEE	\$10,000,000	\$110,000,000	700	1
		TIER 1 SUBTOTAL	\$16,117,000	\$257,000,000	2210	

TOTALS \$215,756,000 \$1,908,830,000 45,161

POST-STI ECONOMIC DEVELOPMENT PROGRAM (APPROVED AS OF AUG 2015)						
TIP NO.	INDUSTRY	COUNTY	COST	INDUSTRY INVESTMENT	NEW JOBS	COUNTY TIER (2015)
U-5551	NOVANT HEALTH	FORSYTH	\$2,000,000	\$72,500,000	112	3
U-5871	VERTEX	NEW HANOVER	\$900,000	\$54,371,000	1343	3
		TIER 3 SUBTOTAL	\$2,900,000	\$126,871,000	1455	

U-5538	WAL-MART DISTB.CENTER (*STI Transition project)	ALAMANCE	\$2,500,000	\$100,200,000	515	2
U-5541	GILDAN YARNS	ROWAN	\$583,000	\$130,000,000	184	2
R-5755	SAMARITAN'S PURSE	WILKES	\$750,000	\$750,000	250	2
R-5756	TRYON EQUESTRIAN CENTER	POLK	\$1,600,000	\$50,000,000	50	2
U-5540	GILDAN YARNS	DAVIE	\$1,850,000	\$112,000,000	290	2
		TIER 2 SUBTOTAL	\$7,283,000	\$392,950,000	699	

R-5754	SANDERSON FARMS	ROBESON	\$1,700,000	\$139,000,000	1,000	1
		TIER 1 SUBTOTAL	\$1,700,000	\$139,000,000	1,000	

TOTALS \$11,883,000 \$658,821,000 3,154

Note: The N.C. Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. This Tier system is incorporated into various state programs to encourage economic activity in the less prosperous areas of the state.

FUNDING & APPROPRIATION STRATEGIES COMMITTEE MEETING MINUTES

DATE: 9/2/2015 TIME: 1:52 LOCATION: 150

MEETING CALLED BY	Chairwoman Cheryl McQueary
BOARD ATTENDEES	Chairwoman Cheryl McQueary, Vice Chairman Jim Crawford, Mr. Andy Perkins, Mr. Malcolm Fearing, Mr. Patrick Molamphy, Mr. Gus Tulloss, Mr. David Tyeryar (staff)

AGENDA TOPICS

1. MEETING CALL TO ORDER AND APPROVAL OF JULY MINUTES	
DISCUSSION SUMMARY	Moved by <u>Mr. Fearing</u> , seconded by <u>Mr. Perkins</u>
ACTIONS TAKEN	Approved unanimously
2. PROCUREMENT PROCESSES – RODGER ROCHELLE +	
DISCUSSION SUMMARY	Discussed the Procurement Processes presentation provided during the Working Lunch. Members discussed a diversity action plan, the possibility for an evaluation process concerning past poor performance from bidders, how much in contracts is awarded by each division.
ACTIONS TAKEN	No action taken. Committee agreed to continue discussion at October FAST.

Adjourned: 2:23



FUNDING & APPROPRIATION STRATEGIES COMMITTEE (FAST) AGENDA

BOARD OF TRANSPORTATION

OCTOBER 7, 2015

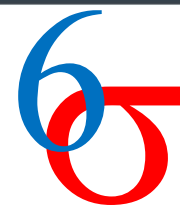
TIME: 2:00 – 3:00 PM

LOCATION: EIC

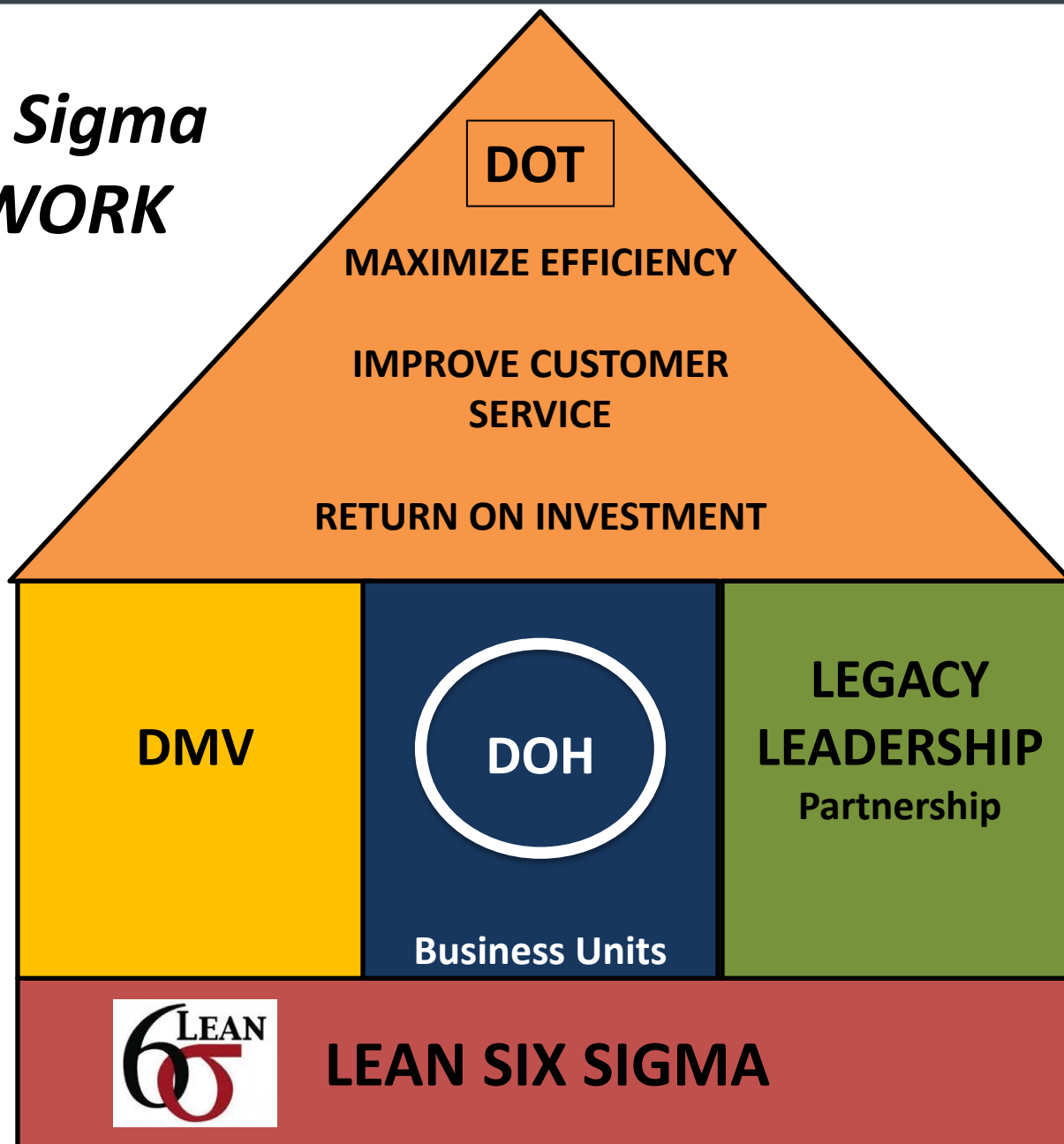
TOPIC	PRESENTER	TIME
Call to Order - Approval of September minutes	Cheryl McQueary, Chair	5 minutes
Improving Efficiency and Customer Service Across the Department	Ann Dishong, Mike Holder	20 minutes
Budget Highlights	David Tyeryar	10 minutes
Comments and Wrap-up	Cheryl McQueary, Chair	5 minutes



*Improving Efficiency & Customer Service
across the Department*



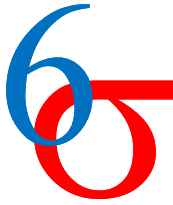
Lean Six Sigma FRAMEWORK



Lean Six Sigma's Problem-Solving Approach (DMAIC)

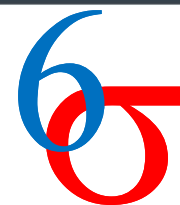


- Define – Develop a project charter based on a problem that is relevant to the customer and that will provide significant benefits to the business.
- Measure – Understand and baseline the current performance of the process using statistical tools and measures.
- Analyze – Find the root causes of the problem and understand/quantify their effect on process performance.
- Improve – Develop, select, and implement the best solutions.
- Control – Ensure the solutions are embedded, that the process has control measures, and that the project has clear closure.



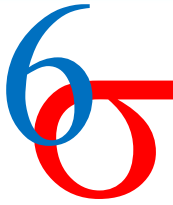
Improving Efficiency & Customer Service across the Department

Division of Highways



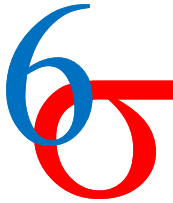
COMPLETED PROJECT

Project Delivery of STIP Projects New Location and Widening



Project Description and Goals

- Examine process flow, cycle time and delay data for new location and widening projects.
- Reduce non-value-added time and keep projects on schedule.
- **Cycle Time** - Reduce the cycle time for new location and widening projects by 25%
- **Schedule** - Improve project delivery schedule stability so managers are better able to plan and execute their work
- **Scope** - Establish the scope of projects appropriately to minimize the number of changes that lead to re-work and lengthen the cycle time
- **Efficiency** - Increase the efficiency of the project delivery process while decreasing the impact on the people who work within or are affected by the process



Project Goals

Cycle Time

Reduce the cycle time for new location and widening projects by 25%

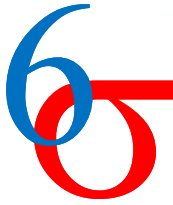
Schedule Improve project delivery schedule stability so managers are better able to plan and execute their work

Cycle Time Results

- Established new project delivery processes that achieve project completion 34 months faster for new location projects and 24 months faster for widening projects.
- This is accomplished by completing more tasks concurrently rather than sequentially, and by beginning designs, utility coordination, and right of way acquisition for complex relocations earlier.

Schedule Results

- Established four intermediate delivery dates for planning and design activities that serve as “finish lines” for completing key phases of work.
- Provides a stable estimate of annual workload and strengthens the ability to manage it.
- Establishes clear delivery responsibility and accountability at each stage.



Project Goals

Scope - Establish the scope of projects appropriately to minimize the number of changes that lead to re-work and lengthen the cycle time

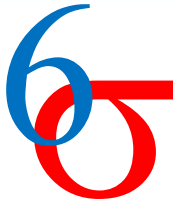
Efficiency - Increase the efficiency of the project delivery process while decreasing the impact on the people who work within or are affected by the process

Scope Results

- Hold more informed internal and external project scoping meetings to identify potential issues and customize the process to reduce risk.
- Enhance collaboration with the Divisions starting with an earlier review of the plans when the preliminary vertical and horizontal alignments are established.

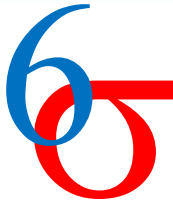
Efficiency Results

- Efficiencies delivered through new processes. Examples include:
- Developing designs with the appropriate level of detail to achieve alternative selection,
- Saving time and labor through strong collaboration between Roadway Design, Hydraulics, Structures Management, and Geotechnical Engineering to combine subsurface investigations,
- Reducing time for plan delivery by adopting a nimble hydraulic design process allowing Hydraulics and Roadway Design to work concurrently,
- Involving utility owners earlier to increase the likelihood that utilities are successfully relocated prior to letting.



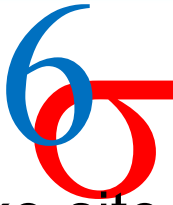
PROJECT IN PROGRESS

Road Maintenance



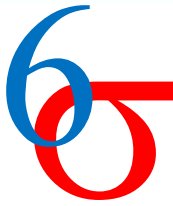
Desired Project Results

- Streamline road maintenance practices and employ statewide considering differences in system, region, current condition and resource availability.
- Standardize tracking and reporting results.
- Improve the efficiency of highway asset maintenance through cost effective maintenance methods and procedures that enhance the long-term condition of the state's highway assets.
- Address legislative mandates.



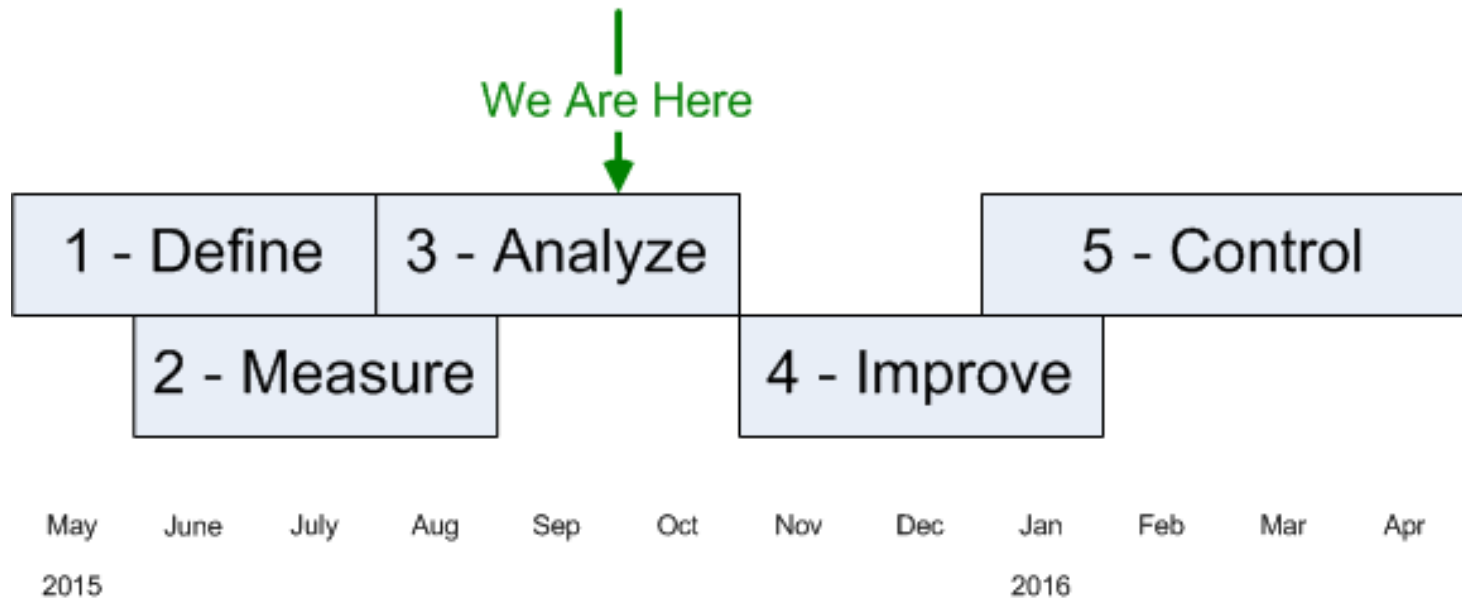
Project Scope (DMAIC)

- Define: Identify “Top 12” work functions and combine into like-site regions, which places divisions into data categories for comparison of similar characteristics.
- Measure: Assemble unit cost data statewide and by region. Survey 100 Counties on current processes, current situation, assets, limitations and resource availability.
- Analyze: Conduct data and process analysis to determine root causes. Examine differences in unit cost, work function processes, and other factors to determine the cause of variation.
- Improve: Eliminate non-value steps and identify most efficient maintenance methods. Pilot process capability and tweak as needed. ($\leq 10\%$ on unit cost is the upper specification)
- Control: Institute processes that meet specifications and standardize efficiency across the state. Monitor the results.



Where Are We In The Process?

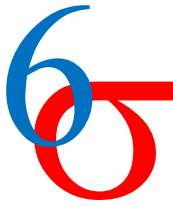
Road Maintenance Efficiency LSS





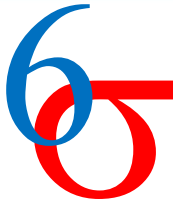
Work Functions Included In Study

- 2818-Full Depth Asphalt Pavement Repair
- 3112-Shoulder Maintenance / Reconstruction
- 3108-Drainage Ditch Maintenance
- 2817-Mechanical Asphalt Patching
- 3126-Install Pipes ($\leq 48''$)
- 3127-Install Driveway Pipe
- 3128-Maintain/Repair Pipes ($\leq 48''$)
- 3130-Install/Maintain/Repair Misc. Drainage Structures
- 3300-Install/Replace Non NBIS $>48''$ to NBIS Structures
- 3102-Removal of Hazards/Debris from ROW
- 2912-Brush and Tree Control/Mechanical/Other
- 2909-Manual Brush and Tree Control



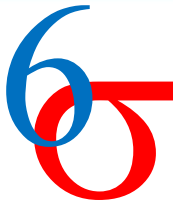
Why These 12 Work Functions?

- Highest Expenditures – 12 work functions represent \$143 million in standing maintenance expenditures based on a three-year average
- Variability



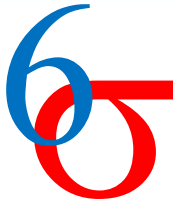
Summary

- Collecting unit cost and process data in all 100 counties on the top 12 work functions
- Analyzing data using three like-site regions set across the state
 - Coast / Sandhills - Divisions 1, 2, 3, 4, 6, 8
 - Piedmont Divisions 5, 7, 9, 10, 12
 - Western Divisions 11, 13, 14
- Upper specification directed by the GA – not to exceed a 10% overage in unit cost.
- Determine most efficient process associated with each work function by region and standardize it.
- Conduct a process capability pilot to double check that the process yields unit pricing that meets the specification set.
- If it does, deploy it. If it doesn't, return to previous steps for further investigation.



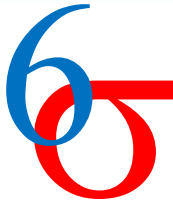
Next Steps

- Analyze Phase - Accelerated
- Provide data and analysis to all Division representatives
- Project team and Division representatives meet regionally to identify improvement opportunities.
 - Coast / Sandhills (Goldsboro) - Divisions 1, 2, 3, 4, 6, 8
 - Piedmont (Winston-Salem) - Divisions 5, 7, 9, 10, 12
 - Western (Marion) - Divisions 11, 13, 14



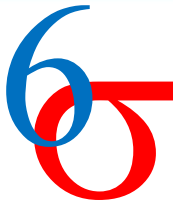
PROJECT IN PROGRESS

Division Managed Projects



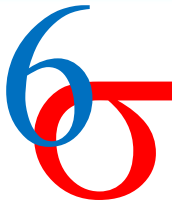
Desired Project Result

- Establish a predictable project delivery process that achieves on time project delivery and can be modified to address regional differences.

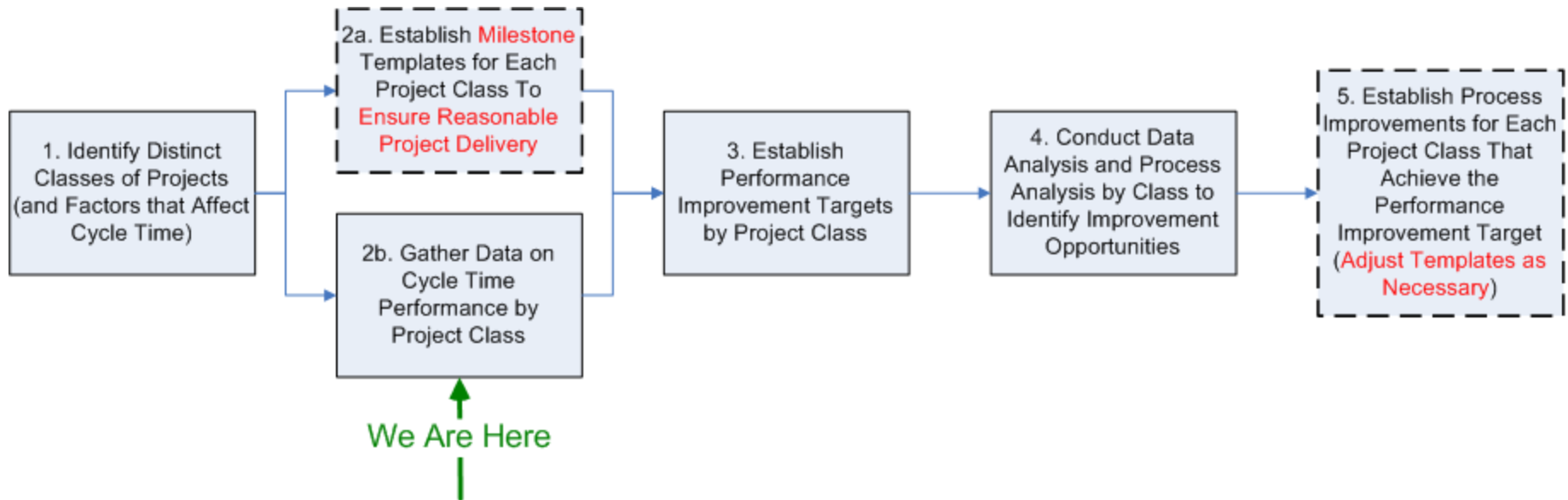


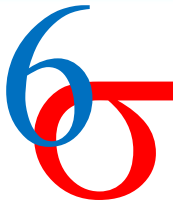
Project Scope

- Define: Identify classes of Division-managed projects, establish a template for each class, and establish high level process maps
- Measure: Determine cycle time performance by project class
- Analyze: Analyze current performance and identify target areas for improvement
- Improve: Pilot proposed solutions, evaluate, modify as needed until cycle time meets target
- Control: Standardize implementation of data-proven solutions/efficiencies, continue monitoring key process metrics



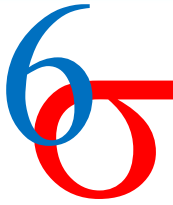
Where Are We In The Process?





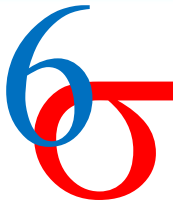
Project Categories

- Division-Managed STIP Projects
 - 1. Interstate (I) - Interstate pavement rehab, maintenance, etc.
 - 2. Rural (R) - Short widening and / or new location
 - 3. Urban (U) - Short widening and / or new location
 - 4. Safety (S) - W, SF



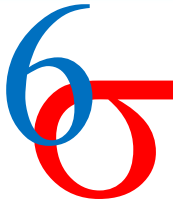
Project Categories

- Division-Managed Non-STIP Projects
 - 5. Spot Safety (SS) - PE federally funded, R/W and Construction state funded
 - 6. Small Construction (SC) - Small construction, contingency projects, public access, industrial access, intersection improvements, signals, etc. (charged to a single WBS number)
- Division-Managed Bridge Projects (STIP and Non-STIP)
 - 7. Bridge Replacement (B) - Low Impact (BD), State Funded (B - HFB), Federal Funded (B – STPOFF, etc.), Low Impact (17BP)



Next Steps

- Project team researches data on a percentage of the original pool of projects identified.
- A higher percentage of STIP projects will be examined.
- The research will be a combination of validating data collected from the system and supplying dates not in the system.



QUESTIONS?

HIGHWAYS COMMITTEE

MEETING MINUTES

DATE: 9-2-2015 TIME: 10:00 AM – 11:00 AM LOCATION: 150

MEETING CALLED BY	Jake Alexander
BOARD ATTENDEES	Committee: Blount, Brown, Crawford, Debnam, Hutchens, Molamphy, Palermo Others: Lennon

AGENDA TOPICS

1. APPROVAL OF JULY MINUTES	
DISCUSSION SUMMARY	
ACTIONS TAKEN	Minutes were approved as written.
2. MEGA SITES - TIM LITTLE, PE, DIVISION 4 ENGINEER & ROB STONE, PE, DIVISION 8 ENGINEER	
DISCUSSION SUMMARY	Tim Little presented information on the 1400 acre Kingsboro Mega Site located in Edgecombe County. With highway and ports access, it's an ideal location for an automotive manufacturer. NCDOT continues to work with the Edgecombe County Economic Developer to bring development to this site. Rob Stone presented on two Mega Sites in Division 8: Chatham Siler City Advanced Manufacturing, an 1800 acre site selected for Duke Energy's Site Readiness Program and Greensboro Liberty, a 1700 acre site with access to rail and a short distance from two major airports. Over the years, this area has lost approximately 3600 manufacturing jobs so acquiring an automotive site at one of these locations could transform the area.
ACTIONS TAKEN	
3. R-3601 – US 17/74/76 (CAUSEWAY PROJECT) - KAREN COLLETTE, PE, DIVISION 3 ENGINEER	
DISCUSSION SUMMARY	Karen Collette presented an update on R-3601, the "Causeway Project" connecting New Hanover and Brunswick Counties. With an estimated contract completion date of November, 2016, the Diverging Diamond Interchange (DDI) will be open to traffic by early November 2015 as work continues on the ramps, signals and traffic shifts to the partially constructed proposed bridge over Brunswick River and Alligator Creek. Karen discussed how the Department was able to provide project information, updates, and answer questions through a Facebook site set up by local citizens. The Division held a public meeting to further answer questions and explain the concept of zipper merging. A video was provided that was posted on the Facebook page as well as run on local TV stations. Providing this information has significantly improved the flow of traffic through the project area. Committee Chair Alexander requested zipper merging to be an agenda topic going forward. Vice Chair Blount requested an update on interstate off ramp signs at the October Highways Committee Meeting.
ACTIONS TAKEN	



HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION OCTOBER 7, 2015

TIME: 11:00 AM – 12:00 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
Notice of Proposed Rulemaking (NPRM) – Safety Performance Measures	J. Kevin Lacy, PE, CPM – State Traffic Engineer	15 min
Notice of Proposed Rulemaking (NPRM) – HSIP	Brian K. Mayhew, PE – Traffic Safety Systems Engineer	15 min
Strategic Highway Safety Plan (SHSP)	Terry Hopkins, PE – State Traffic Safety Engineer	15 min
Interstate Sign Fees Update	J. Kevin Lacy, PE, CPM – State Traffic Engineer	15 min
Adjourn		

Highway Safety Improvement Program Notice of Proposed Rulemaking

Background

MAP-21 continued the Highway Safety Improvement Program as a core federal-aid program with the purpose to achieve a significant reduction in fatalities and serious injuries on all public roads. MAP-21 requires the Secretary to establish several new requirements and removed several provisions that were introduced under SAFETEA-LU. A revision to 23 CFR 924 is necessary to align with the MAP-21 provisions and clarify existing program requirements. The significant changes proposed in the HSIP NPRM are summarized below.

Consistency with MAP-21 Provisions

The FHWA proposes to remove all existing references to the High Risk Rural Roads Program, 10% flexibility provision and transparency reports since these provisions no longer exist under MAP-21. The FHWA proposes the following additions to clarify other MAP-21 provisions:

Non-infrastructure projects: HSIP funds are eligible for any type of highway safety improvement project (i.e. infrastructure or non-infrastructure). FHWA proposes that agencies should use all other eligible funding programs for non-infrastructure projects, prior to using HSIP funds for these purposes.

Performance management requirements: FHWA proposed language throughout the NPRM to be consistent with the performance management requirements under 23 U.S.C. 150, which establishes safety performance measures for the purposes of carrying out the HSIP.

MAP-21 requires the Secretary to establish:

Strategic Highway Safety Plan Update Cycle: The FHWA is proposing a 5-year SHSP update cycle, consistent with current practice in most States.

Content and Schedule of the HSIP Report: The FHWA proposes States continue to submit their HSIP reports on annual basis, by August 31st each year. In addition to existing reporting requirements and changes noted above, the FHWA proposes the annual HSIP report document and describe progress to achieve States annual safety performance targets. The FHWA also proposes States use the HSIP online reporting tool to submit their annual HSIP reports, consistent with the OIGs recommendations in the recent HSIP Audit. Currently, a majority of states use the HSIP online reporting tool to submit their annual HSIP reports. In lieu of the transparency report, FHWA is now required to post States HSIP reports to our website.

Subset of model roadway elements: The subset of model roadway elements are a fundamental set of roadway data elements an agency would need to conduct enhanced safety analyses to improve safety investment decision making through the HSIP. The fundamental roadway elements also have the potential to support other safety and infrastructure programs in addition to the HSIP. FHWA is proposing the fundamental roadway elements consistent with State Safety Data Systems Guidance published December 26, 2012. FHWA is proposing that States complete the collection of the fundamental roadway elements within 5 years of the effective date of HSIP final rule.



North Carolina

DEPARTMENT OF TRANSPORTATION

Notice of Proposed Rulemaking (NPRM) Highway Safety Improvement Program (HSIP) Docket #: FHWA – 2013 - 0019

Brian K. Mayhew, PE
NCDOT Traffic Safety Systems Engineer
October 7, 2015

HSIP Rulemaking

- FHWA published the HSIP Notice of Proposed Rulemaking (NPRM) in the Federal Register (FR) on March 28, 2014.
- North Carolina provided our feedback on the rule by the deadline of June 30, 2014.

HSIP NPRM:

<http://safety.fhwa.dot.gov/hsip/rulemaking/>

Purpose of HSIP Rulemaking (If it is passed as written)

- Align 23 CFR Part 924 with changes made by MAP-21
- 23 CFR Part 924 defines requirements for the Highway Safety Improvement Program (HSIP) in each state.
- The HSIP requires a data-driven, strategic approach to improving highway safety on all public roads that focuses on performance.

Highway Safety Improvement Program Background

- Core Federal-aid program
- Purpose – Achieve a significant reduction in fatalities and serious injuries on all public roads
- Annual apportionment
 - Nationally \$2.4 Billion
 - NC \$66 Million

MAP 21: Changes made to HSIP

MAP-21 Removed several reporting and other requirements

MAP 21 added the requirements:

- Strategic Highway Safety Plan (SHSP) update requirements (5 year cycle)
- HSIP Reporting Content and Schedule (Annual)
- Subset of Model Inventory of Roadway Elements (MIRE) for all public roads

North Carolina's Response

FHWA proposes to add language:

- 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 strongly agree with this proposed clarification

Proposed SHSP Evaluation

FHWA proposes to add language requiring:

- An evaluation of the Strategic Highway Safety Plan as part of the update process:
 - Confirm the validity of the emphasis areas and strategies based on analysis of current safety data
 - Identify issues related to the SHSP's process, implementation and progress that should be considered during each subsequent SHSP update.

North Carolina's Response

We agree with the provision to evaluate the Strategic Highway Safety Plan (SHSP).

Extensive Evaluation Program Exists

- HSIP program is evaluated (14:1)
- Provides detailed results from actual implemented safety projects.

North Carolina's Concerns

MAP 21 statutorily requires additional data collection on all public roads.

- Data is for enhanced safety analysis
- Collected on all roadway segments, intersections, and interchange ramps
- Requires traffic volume collection on all roads

North Carolina's Concerns

- This data collection would incur additional costs; we requested minimizing those impacts to the states
- FHWA estimated present value of the additional data collection and maintenance cost for NC is over \$40 million in a 16 year period

North Carolina's Concerns

- Our response was to **NOT** require the data collection on subdivision and residential streets.
- In NC, it is estimated that less than 1% of our fatal and serious injury crashes occur on these roads

North Carolina's Concerns

- We estimate a greater ROI from funding safety projects than collecting the additional data
- Believe collection of additional data should be limited or focused on roads with higher safety potential

North Carolina's Concerns

\$40 Million for data collection or for Safety Projects?

- We estimate same \$40 million could reduce 106 fatalities, providing over \$680 million in benefits from reduced fatalities.
- FHWA only estimated the reduction in fatalities and injuries needed to exceed a 1:1 ratio and a 2:1 ratio of benefits to costs. Did not consider comparison or opportunity costs

Large amount of our safety dollars could be detoured to collect data than saving lives.

North Carolina's Concerns

- NC does not support a different project selection process for state maintained and non-state maintained public roads.
- We have current competitive prioritization process that considers benefit/cost of each project.

Separate process is not needed nor supported.

Questions ?



North Carolina

DEPARTMENT OF TRANSPORTATION

Notice of Proposed Rulemaking (NPRM) Safety Performance Measures Docket #: FHWA – 2013 - 0020

J. Kevin Lacy, PE, CPM
NCDOT State Traffic Engineer
October 7, 2015

Performance Measures Rulemaking

- FHWA published the Safety Performance Measure notice of proposed rulemaking (NPRM) in the Federal Register (FR) on March 11, 2014.
- North Carolina provided our feedback on the rule by the deadline of June 30, 2014.

Safety Performance Measures NRPM

<http://safety.fhwa.dot.gov/hsip/tpm/>

Purpose of this Rulemaking (If it is passed as written)

- Create national performance management measures and standards to be used by the States to meet the national transportation goals reporting specific annual targets for the purposes of carrying out the HSIP (Highway Safety Improvement Program).
- Establish the process to be used by States to set performance targets that reflect their performance measures.

Safety Performance Measures

- MPOs would also set targets for the same measure for all public roads in the MPO. These targets would be set in coordination with the State, as much as possible.
- The MPO may choose to adopt the state DOT target or set a numerical target specific to the MPO planning area.
- Consequences to actions

Working with MPO's

- Our staff will be available to provide and explain crash data analyses and discuss these performance measures with MPO's and RPO's.
- Provide crash data for last 5 years (as requested) so they can consider safety data when developing projects

Working with MPO's

Local Safety Partnership Pilot Program

- Collaboration with HSRC working with six cities developing an expert skill set in crash analyses, project development, and project evaluation techniques.
- Quarterly conference calls to assess progress and discuss ideas amongst cities

North Carolina's Response

We agree with the four primary performance measures

- Fatal Count (1282 fatalities in 2014)
- Fatal Rate (1.18 – number of fatalities per million vehicle miles traveled) in 2014
- Serious Injury Count
- Serious Injury Rate (Count per VMT)

Safety Performance Management

Additional Legislative Mandates

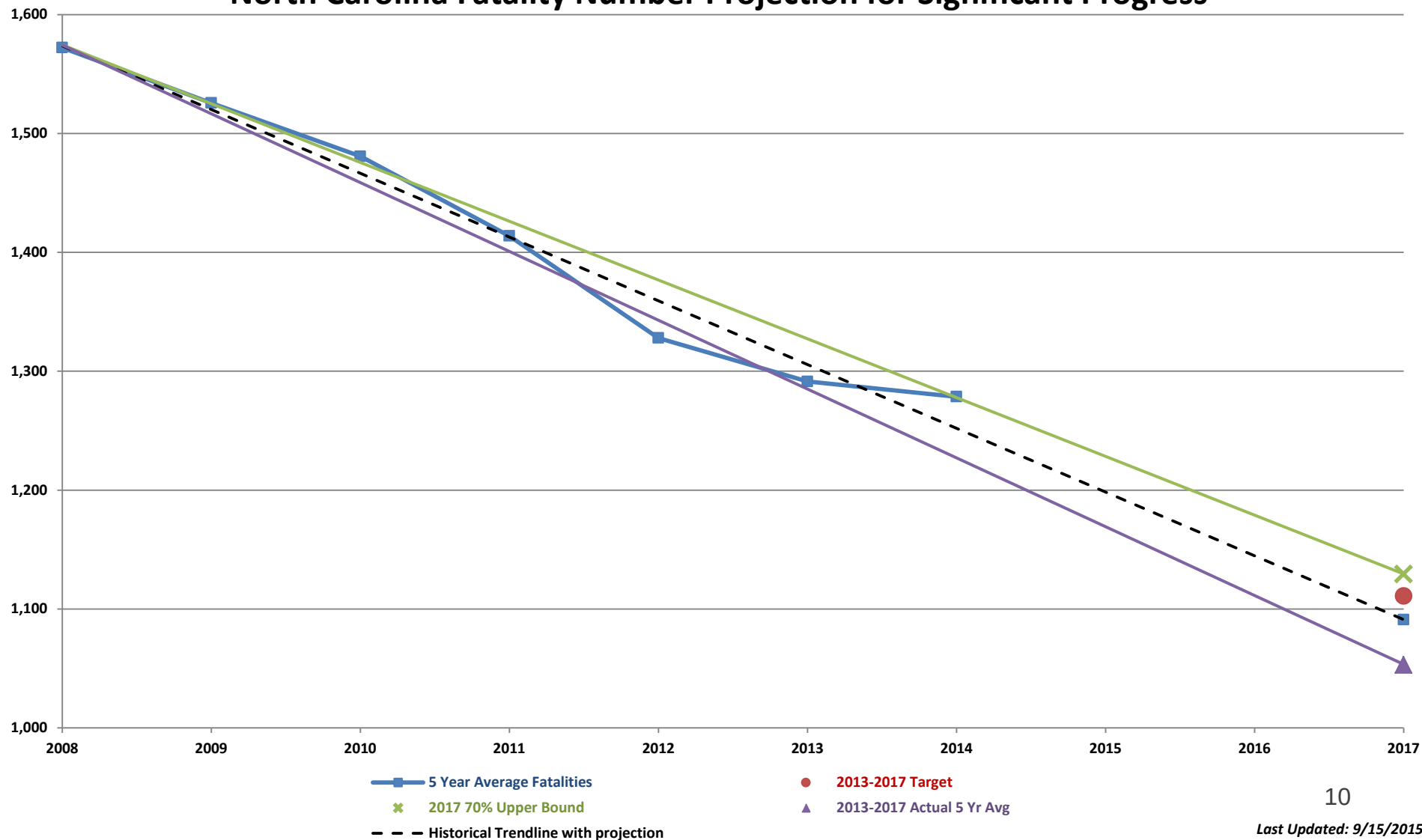
- High-Risk Rural Road (HRRR) Safety: If fatality rate on rural roads increases over 2-year period, State must obligate for projects on HRRRs at least 200% of FY09 HRRR program
- Older Drivers: If fatalities and serious injuries per capita for road users over 65 increases during a 2-year period, we must include strategies in subsequent SHSP, considering Older Driver Handbook recommendations

North Carolina's Response

We agree with the five-year rolling averages as a means to establish trends and allow states to develop longer term plans to address safety needs rather than reacting to statistical anomalies.

Significant Progress

North Carolina Fatality Number Projection for Significant Progress



North Carolina's Response

We agree with the use of our current method for reporting severe injuries.

While it is not a medical examination, it does provide a reasonable scale that law enforcement can apply.

North Carolina's Concerns

- We are concerned about the language that encourages states to prepare to directly link hospital data and crash data.
- If the FHWA intends to require states to establish a direct link between hospital data and crash data, we request states are provided instruction on how to accomplish this without violating HIPPA privacy requirements.

North Carolina's Concerns

- We recommend that the FHWA should have the option to use state data to complete the analyses for both fatal and severe injury analyses. (It is more timely to use the state data)
- The FHWA will be using FARS data for measuring significant progress in fatal crash reductions and this data is typically two years behind.

North Carolina's Concerns

- We do not support the stratification of HSIP spending.
- If we're truly addressing a data driven program, then we are addressing the ***greatest need*** and the ***greatest return on investment***.

North Carolina's Concerns

- If a state's program is a competitively based program that considers return on investment, then projects and programs with proven results in any specific area should effectively compete.
- The use of systemic programs to address safety needs gives states flexibility to consider vulnerable users in their project development and implementation.

Questions ?



Safety Performance Measures Notice of Proposed Rulemaking

Background

MAP-21 requires the development of new regulations (23 CFR 490) to establish Transportation Performance Management (TPM) requirements for the purposes of carrying out the Highway Safety Improvement Program (HSIP). MAP-21 requires the Secretary to establish performance measures for the number and rate of fatalities and serious injuries, for States and MPOs to set targets against those measures, and for FHWA to evaluate whether a State has achieved or made significant progress toward achieving targets. The significant requirements proposed in the Safety PM NPRM are summarized below.

Consistency with MAP-21 Provisions

Measures: Safety PM measures are proposed as the 5-year rolling averages for fatality and serious injury numbers and fatality and serious injury rates by 100 million VMT, and are applicable to all public roads regardless of ownership or functional classification.

Targets: States would set statewide targets against each of these measures and have the option to set one aggregate urbanized area target and one aggregate non-urbanized area target for any or all of the measures. Targets would be established annually beginning one year after the effective date of the rule on a calendar year basis. Targets for equivalent measures in the NHTSA Highway Safety Grants program would be identical to targets set in the HSIP. States would report targets to the FHWA in the HSIP report due in August of each year.

MPOs would set targets for the same measures for all public roads in the MPO within 180 days after the State sets each target. The targets would be set in coordination with the State, to the maximum extent practicable. The MPO could either agree to support the State DOT target or set a numerical target specific to the MPO planning area.

Target Assessment: Two-years after States set targets, and annually thereafter, FHWA would assess target achievement. Targets would be assessed individually for whether a State has achieved or made significant progress toward achieving targets. Significant progress toward achieving targets is proposed as the actual measure outcome at or below a 70% prediction interval based on a historical trend line determined from the 5-year rolling averages of historical data. States that achieve or make significant progress toward achieving targets for 50% or more of the total number of targets it set would be determined to have Overall Made Significant Progress.

If a State has Overall Not Made Significant Progress, then the State would be required to use obligation authority equal to the year prior to the subject target year only for safety projects and develop an implementation plan annually until overall significant progress is achieved.

Safety Performance Measures NPRM

The Safety PM NPRM is available on the [Federal Register](#) at www.regulations.gov Docket: FHWA-2013-0020



North Carolina

DEPARTMENT OF TRANSPORTATION



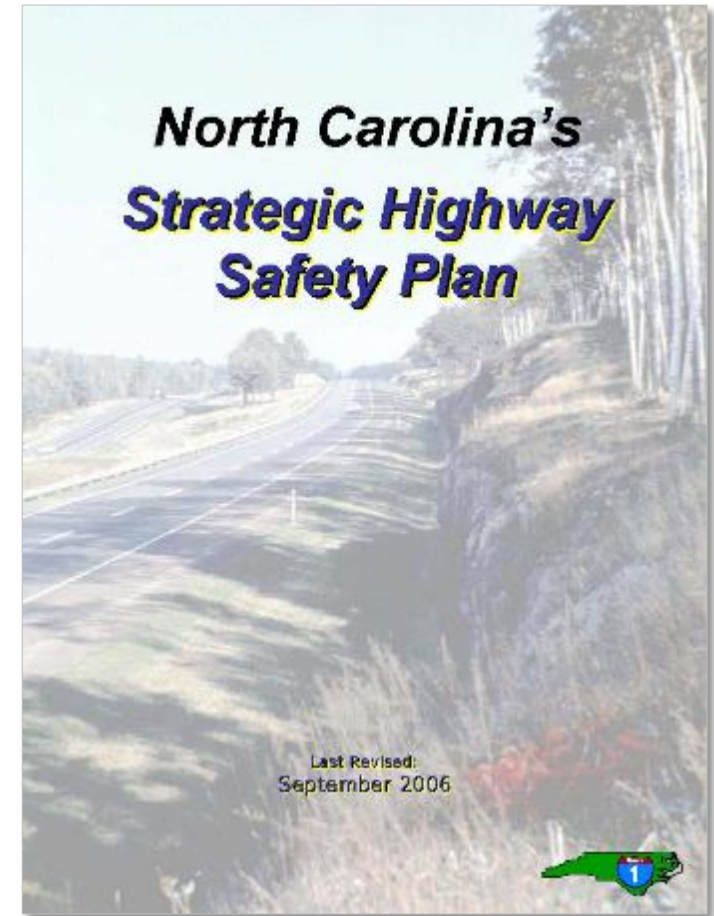
North Carolina Strategic Highway Safety Plan

Terry M. Hopkins, PE
State Traffic Safety Engineer

October 7, 2015

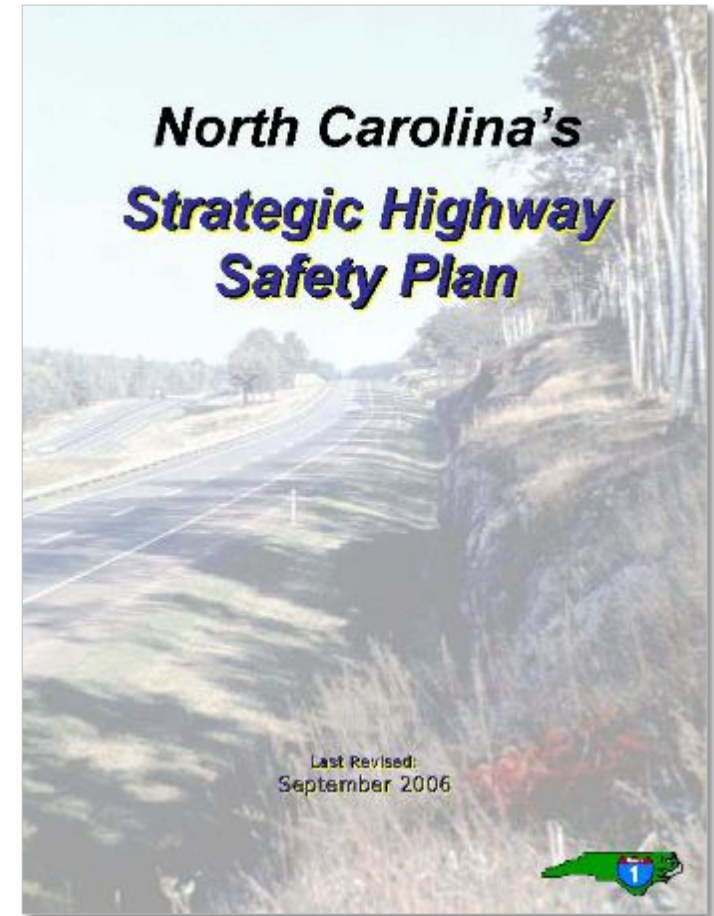
OVERVIEW

- SHSP first developed in 2002
- Living document, with revisions
- Last formal update 2006
- MAP-21
required a formal
update to 2006 version



OVERVIEW

- 2014 update: 9-month process, began in January
 - Data analysis
 - Review of safety partner plans
 - Outreach to safety partners to participate



OVERVIEW



- March 20, 2014 Workshop
 - Over 40 assembled partners
 - 22 partner agencies



The Avery, P.C.



ITRE
Institute for Transportation Research and Education
at North Carolina State University



OVERVIEW



- March 20, 2014 Workshop
 - Reviewed progress since 2006
 - Discussed the fatal and serious injury data
 - Provided inputs for revised mission, vision, and goals for SHSP

VISION, MISSION, GOALS

NC SHSP Vision

Through our partnerships, we foster safety awareness and provide safe access throughout North Carolina for all users and modes of travel such that *everyone arrives safely at their destination.*

VISION, MISSION, GOALS

NC SHSP Mission

Establish a *collaborative*, strategic approach to the identification and *implementation* of safety improvement programs and policies to achieve the statewide goals to reduce fatalities and serious injuries related to crashes on North Carolina's transportation system.



~~ 1282 Fatal Crashes on North Carolina roadways in 2014



VISION, MISSION, GOALS

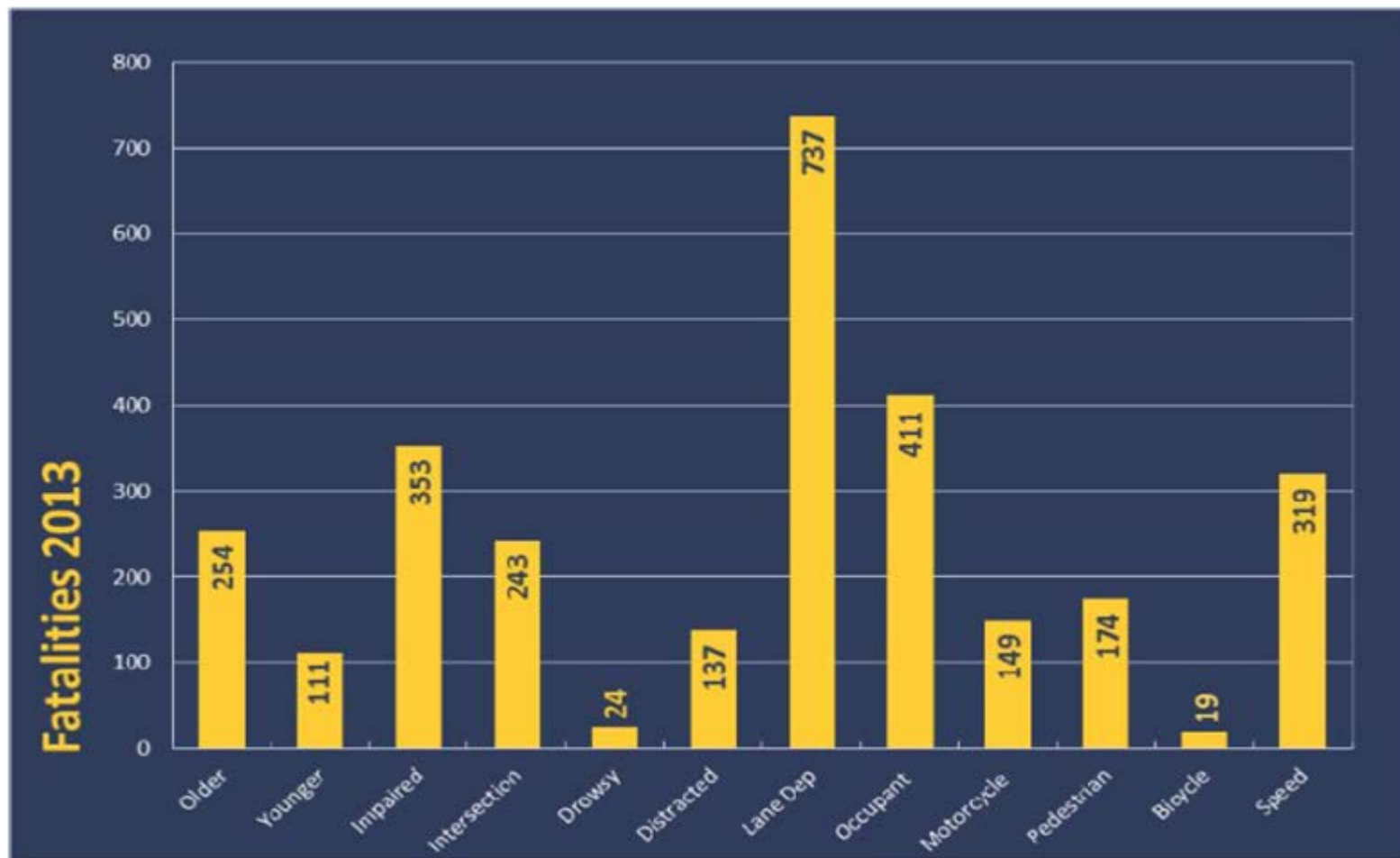
NC SHSP Goals

Cut the fatalities and serious injuries in North Carolina in half

- Reduce the total fatalities
from 1,260 in 2013 to 630 by 2030
- Reduce the total serious injuries
from 2,109 in 2013 to 1,055 by 2030

EMPHASIS AREAS

- Fatality Categories (~1260 total in 2013)



EMPHASIS AREAS

- Selected Nine Emphasis Areas
 - Lane Departure
 - Keeping Drivers Alert
 - Speed
 - Intersection Safety
 - Occupant Protection
(including Motorcycles)
 - Demographic Considerations
 - Pedestrians and Bicyclists
 - Driving While Impaired
 - Emerging Issues & Data

EMPHASIS AREAS

- Emphasis Area (EA) Working Groups
 - Met in April, May, and June
 - Over 65 safety practitioners from 22 agencies actively participated
 - Defined strategies with supporting actions for each emphasis area



MONITORING

- Performance Measures
 - Number of fatalities (SHSP)
 - Number of serious injuries (SHSP)
 - Fatality rate (*Proposed* national metric)
- NC SHSP Website – Progress Dashboard
 - Compare goals to actual
 - Statewide and for 8 emphasis areas
 - Updated on regular interval
 - <http://ncshsp.org/>

MONITORING

North Carolina Strategic Highway Safety Plan

Background

The Way Forward

Emphasis Areas

Implementation

Progress

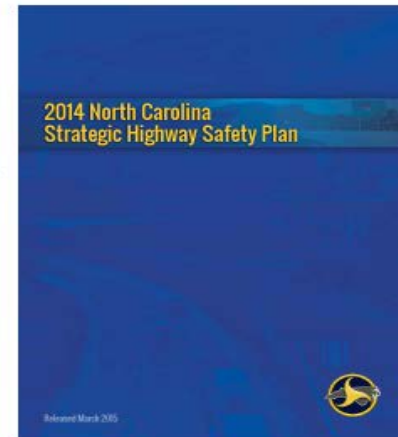
Contact

2014 North Carolina Strategic Highway Safety Plan

North Carolina is a Vision Zero State—even one fatality is too many on our roadways. This Plan articulates the way forward to achieve Vision Zero. The Plan's vision, mission, and goals guide the development and implementation of strategies and actions to achieve Vision Zero.

This website provides public access to information about the 2014 Strategic Highway Safety Plan (SHSP) for the State of North Carolina, as well as a way to quickly view [Progress](#) toward the goals stated within the Plan.

This SHSP is an important component of North Carolina's Highway Safety Improvement Program (HSIP). The need for a SHSP was established by the federal transportation funding legislation, the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), and strengthened by the passage of the Moving Ahead for Progress in the 21st Century Act (MAP-21) in July 2012. MAP-21 specifies that the SHSP must be developed based on safety data on all public roads, be developed in consultation with stakeholders, employ a multidisciplinary approach, describe a program of safety strategies, and consider other highway safety plans and processes.



MONITORING

North Carolina Strategic Highway Safety Plan

Background

The Way Forward

Emphasis Areas

Implementation

Progress

Contact

Progress Dashboard



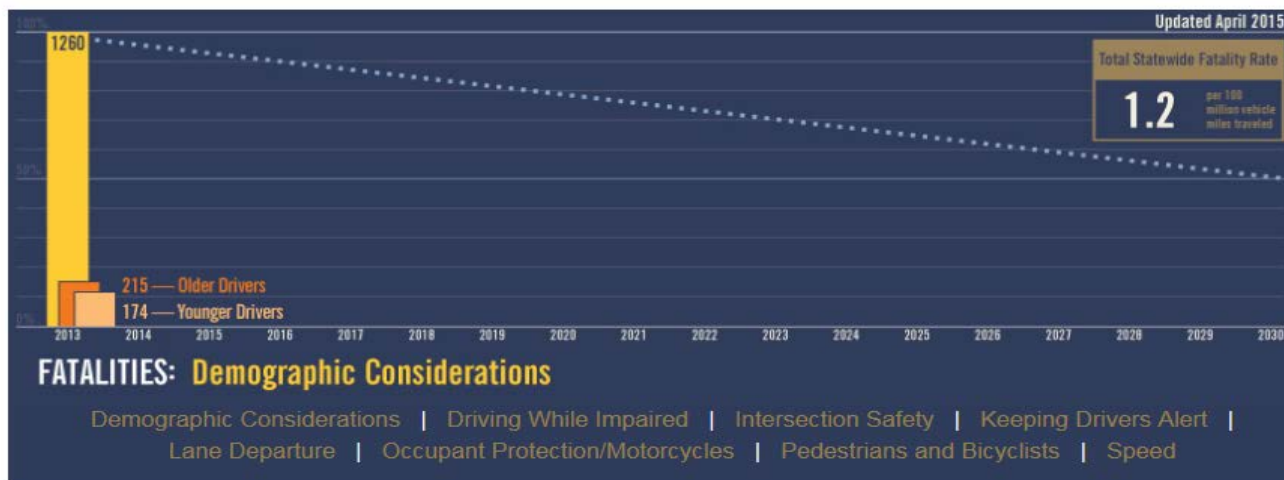
NCDOT monitors fatalities and serious injuries on the State's roadways. The Executive Committee for Highway Safety uses the information to monitor the progress in achieving the goals of the Plan and in implementing the strategies of the emphasis areas.

This chart presents annual fatalities and serious injuries in North Carolina, starting in 2013. The dotted line in the figure represents the Plan goal for reducing those numbers.

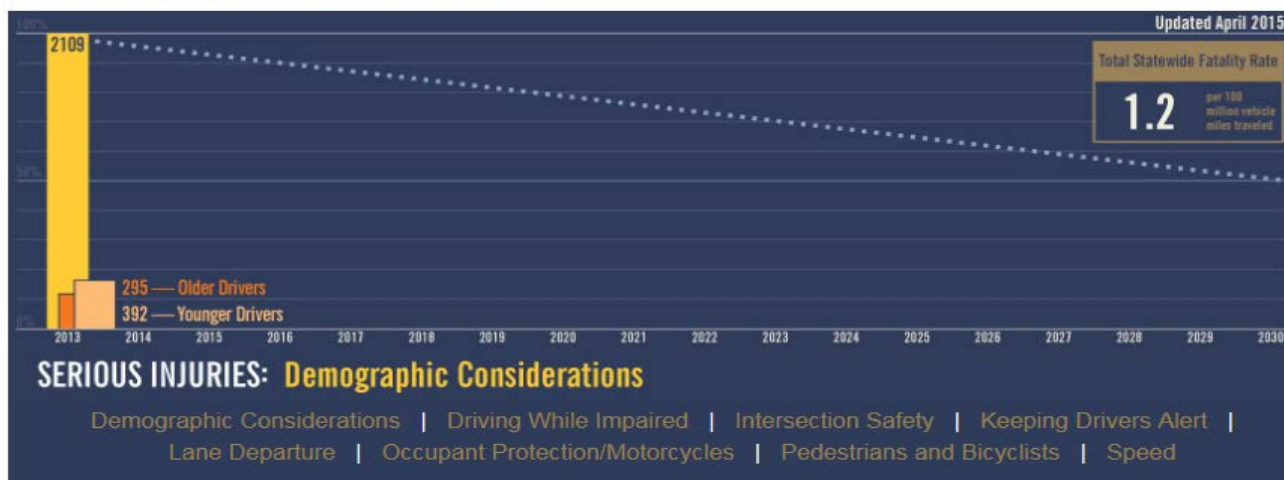
The box in the upper right hand corner presents the total statewide fatality rate. The rate is the number of fatalities represented in relation to the miles traveled on North Carolina roadways in a year (i.e., fatalities per 100 million vehicle miles traveled).

MONITORING

Fatalities by Emphasis Area



Serious Injuries by Emphasis Area





NCDOT

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NCDOT Announces Release of State Highway Safety Plan

Wednesday, July 29, 2015

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Raleigh--The [N.C. Department of Transportation](#), on behalf of the Executive Committee for Highway Safety, has released the [2014 North Carolina Strategic Highway Safety Plan](#), which strives to make the state's roads safer by reducing fatalities and injuries through strategic collaboration with various safety partners.

In 2014, there were 1,277 fatalities on North Carolina's roadways, and 110,552 people were injured. The updated NCSHSP's goal is to reduce these numbers by half before 2030, and to ultimately achieve the vision of zero highway deaths.

"Every fatality or serious injury crash involves someone's family member, co-worker or friend," said Acting Secretary of Transportation Nick Tennyson. "Even one death is too many on our roadways and that is why we have a vision of zero fatalities for the future of our state."

The NCSHSP presents a comprehensive and collaborative approach for reducing fatalities and serious injuries on North Carolina's roadways. The plan was developed through a [diverse partnership of stakeholders](#) representing the users of the North Carolina highway system and encompassing the 4 E's of highway safety — education, enforcement, engineering, and emergency services. These safety stakeholders include state, regional, local, and tribal agencies, as well as other public and private partners.

NCDOT monitors fatalities and serious injuries on the state's roadways, and the Executive Committee for Highway Safety uses the information to monitor the progress in implementing the strategies and achieving the goals of the NCSHSP. The goals provide an aggressive but achievable measure for the safety of all users on North Carolina's highways, and will be achieved through the implementation of strategies and actions in nine safety [emphasis areas](#).

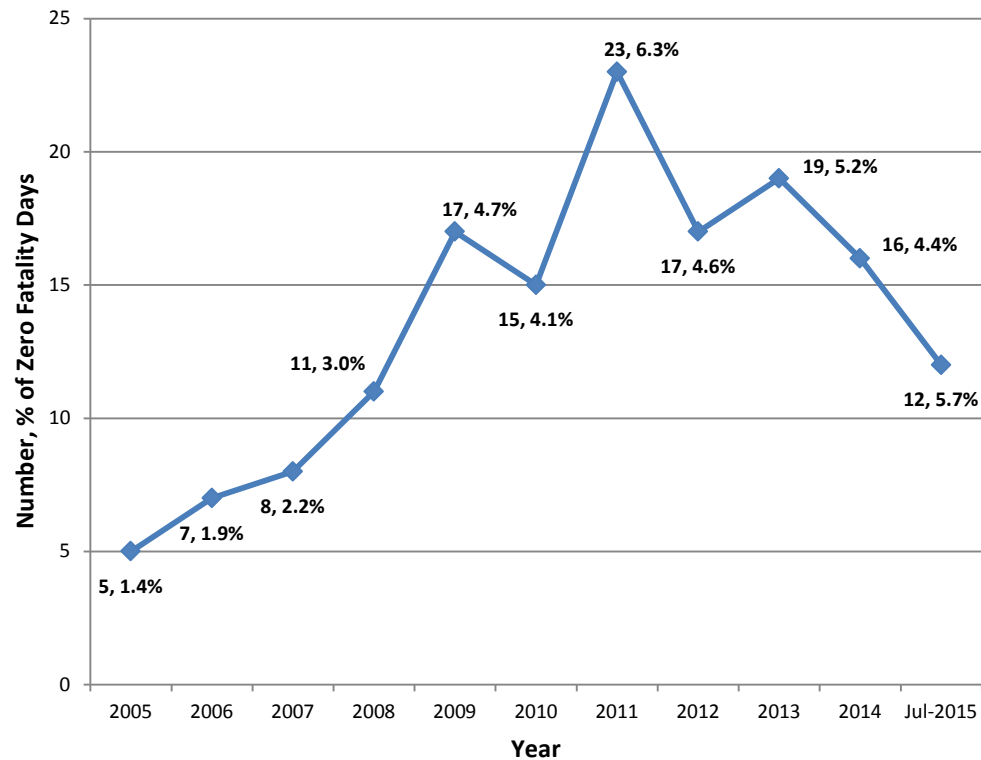
"We need to remind everyone that the most important safety feature in a car is the driver," said State Traffic Engineer Kevin Lacy. "They need to be belted, attentive, and obey all traffic laws. If we can get everyone that drives to adhere to that statement, we will be able to bring our fatalities and injuries down."

For additional information about the NCSHSP, contact Chris Oliver, Traffic Safety Specialist with NCDOT's Traffic Safety Unit, at coliver@ncdot.gov.

VISION ZERO

- North Carolina is a Vision Zero State
 - “Even one death is too many on our roadways”
 - The SHSP articulates the way forward to achieve Vision Zero
 - It’s going to take everyone’s help to achieve this vision

Zero Fatality Days
From January 1, 2005 to July 31, 2015



Last Updated: 9/9/2015

VISION ZERO

To Achieve “Vision Zero”, we need EVERYONE to do the following EVERY DAY

- Wear your Seat Belt
- Obey the Rules of Road (Drive the Speed Limit)
- Pay Attention
 - (Don't Drive Distracted)
 - (Save phone calls until later)
 - (Stay on the road)
 - (Don't Drive under influence of any substances)

Encourage your family and friends to do the same.

MULTIMODAL COMMITTEE MEETING MINUTES

DATE: 9/2/15 **TIME:** 11:00am **LOCATION:** Board Room

MEETING CALLED BY	Andy Perkins
BOARD ATTENDEES	Andy Perkins, Cheryl McQueary, Jeff Sheehan, Sandra Fountain, Lou Wetmore, Tracy Dodson, Gus Tulloss

AGENDA TOPICS

1. AUGUST MINUTES APPROVAL – ANDY PERKINS	
DISCUSSION SUMMARY	Approval of August Minutes.
ACTIONS TAKEN	Motion to approve was made by Lou Wetmore and seconded by Tracey Dodson. Motion was approved.

2. ITEM I-1, I-1A, I-4 – DEBBIE COLLINS AND BOBBY WALSTON	
DISCUSSION SUMMARY	Approval of Public Transportation and Aviation funding items.
ACTIONS TAKEN	Motion to approve was made by Cheryl McQueary and seconded by Sandra Fountain. Motion was approved.

3. TRANSIT UPDATE – KEITH WEATHERLY	
DISCUSSION SUMMARY	Attended the opening of the Vertex facility in Wilmington and discussed importance of this economic development project.
ACTIONS TAKEN	Information Only

4. FERRY DIVISION PRESENTATION – ED GOODWIN	
DISCUSSION SUMMARY	Ferry crew saved father and son when their boat capsized. New dredge construction to be completed in April of 2016.
ACTIONS TAKEN	Informational

MULTIMODAL COMMITTEE MEETING MINUTES

5. PTD UPDATE – DEBBIE COLLINS	
DISCUSSION SUMMARY	Funding Study is 75% completed. Debbie attended the FTA quarterly meeting where they discuss funding, oversight and new initiatives.
ACTIONS TAKEN	Informational

6. RAIL DIVISION PRESENTATION – PAUL WORLEY	
DISCUSSION SUMMARY	Southeastern regional planning study announced by USDOT Secretary Anthony Foxx. New checked bike service being offered on the Carolinian.
ACTIONS TAKEN	Informational

7. BIKE & PEDESTRIAN DIVISION – LAUREN BLACKBURN	
DISCUSSION SUMMARY	Watch4MeNC launched the local campaigns in August. Planning grant application period had begun and will be open through the fall. Cycle NC will be on October 2 nd .
ACTIONS TAKEN	Informational

8. AVIATION UPDATE – BOBBY WALSTON	
DISCUSSION SUMMARY	Aviation update. Highlighted several projects, gave update on UAS law and implementation.
ACTIONS TAKEN	Informational



MULTIMODAL COMMITTEE AGENDA

BOARD OF TRANSPORTATION OCTOBER 7, 2015

TIME: 10:30pm

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order	Malcolm Fearing	10:30
Approval of Minutes	Malcolm Fearing	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	11:05-11:30
EEO Presentation	Marci Wright	11:30-12:00

It's not just how you get there, it's why you go.



Accountability - Responsibility - Respect

ncferry.org

800-BY-FERRY

Real time travel info via twitter: @NCDOT_Ferry



OCTOBER, 2015

PROGRAMS AND INITIATIVES

Ed Goodwin—Director

Period Comparison

Expenditures

August 2014 \$ 3,434,863

August 2015 \$ 3,341,551

Capital Reserves are not included in Period Comparison.

Year to Date Comparison

FY 14/15 \$ 6,886,784

FY 15/16 \$ 6,915,357

Capital Reserves are not included in Period Comparison.

Capital Reserve Credits

August 2015 \$ 291,202

YTD FY 15/16 \$ 613,238

Capital Reserves \$ 5,110,050*

*Total through FY16 Period 2

DISTRICT 1, DISTRICT 2 & DISTRICT 3 PERFORMANCE SNAPSHOT						
NCDOT FERRY DIVISION AUG 2015						
Ridership: Vehicles						
	AUG 2015	JUN 2014	△	FY16 FYTD	FY15 FYTD	△
DISTRICT 1	41,295	43,141	-4%	84,205	82,641	2%
DISTRICT 2	48,968	48,071	2%	103,234	101,158	2%
DISTRICT 3	7,621	10,809	-29%	16,203	22,524	-39%
TOTAL	97,884	102,021	-4%	203,642	206,323	-1%

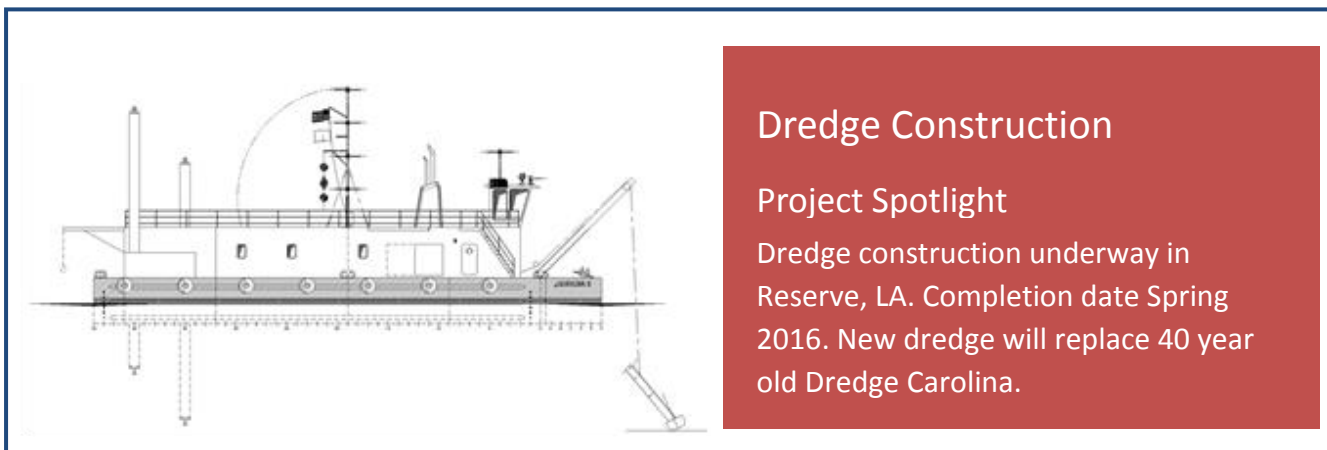
District 1: Hatteras Inlet and Currituck – Knotts Island

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
August 2015	6,202	36	99.4
Calendar Year to Date	41,816	1,130	97.4



Dredge Construction

Project Spotlight

Dredge construction underway in Reserve, LA. Completion date Spring 2016. New dredge will replace 40 year old Dredge Carolina.

OTHERS FERRY ACTIVITIES IN PROGRESS:

Targeted Transit Assistance Program (TTAP) grant under Federal Section 5317 for ADA accessible information kiosks is currently in progress. Award amount \$ 65,000

Port Security Grants have been awarded to NC DOT Ferry for multiple security projects. Primary project involves the procurement and installation of Automated Identification Systems (AIS) aboard all ferries in the fleet. Award amount \$ 359,989

DIVISION ACTIVITIES AND IN-HOUSE PROJECTS

- **September 15** - The Cedar Island-Ocracoke and Swan Quarter-Ocracoke routes will begin their off-season schedules, featuring three round-trip departures daily on both routes.
- **October 5** - The Hatteras-Ocracoke route transitions to its "shoulder season" schedule.
- **September 28** - The Southport-Fort Fisher route goes to its off-season schedule, going from 16 weekday round trips to 14. Weekend schedules go from 15 to 13 daily departures from both sides.
- **November 10** - The Hatteras-Ocracoke route will transition to its off-season winter schedule.

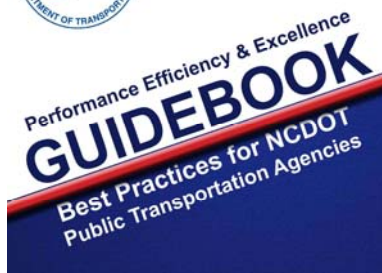


Public Transportation News October 2015

Dedications and Celebrations

The **Goldsboro Wayne Transportation Authority Bus Transfer Center** dedication was held on Saturday, Sep. 19 at 11 am. The Transfer Center is just Phase 1 of the Goldsboro Union Station – a Multimodal Center creating a seamless transportation system that includes urban and rural transit services, Greyhound / Trailways inter city bus services and future passenger and commuter rail services. Debbie Collins and Allan Paul joined Dr. Yvette Taylor, the FTA Region IV Administrator for the ribbon cutting and celebration activities. As a Tiger V project, the multimodal center is a showcase in downtown Goldsboro's revitalization.

Rutherford County Transit celebrated its 25th Anniversary on September 29th. Congratulations to the staff on their accomplishments over the last 25 years.



Performance Based Organizations - Creating Success Plans

The 80 community based transit systems are involved in becoming performance based organizations by defining and measuring their success. This initiative started with summer training. Each training attendee is now involved in completing their success plan by following the steps in this guidebook. Follow up support and training will be held during our October 2015 conference. We are excited about this process and its promise of becoming intentional organizations.





PTD Activities Underway

September Training:

- FTA Safety Management System

Meetings Attended:

- FAA Emergency Response Team Visit
- TRB 22nd Paratransit and Intercity Bus Conference Planning Committee
- Intercity Bus Call for Projects
- Funding Advisory Committee
- CATS Quarterly FTA meeting
- Rutherford County Transit 25th Anniversary
- SHRP2 R10 Technical Assistance Demonstration Workshop
- Southeast Wake Plan
- Wilson and Orange Plans
- McDowell Plan Scoping Meeting
- Transit Advisory Board meetings
- North South Corridor Study

Upcoming:

- TDM Quarterly Meeting
- SMS workgroup

Calendar of activities underway:

- Evaluating Funding Study alternatives
- Scheduling DBE trainings for transit systems – construction projects and a requirements overview
- Communicated with 5310 sub recipients in large UZAs regarding programmatic changes due to census changes
- Issue FY 17 Call for projects – 5310, 5311, 5339
- Issue 5311F – Intercity Bus – request for proposal for services
- Distribute FY 2016 state program funds
- Finalize planning activities – statewide strategic plan, planning scopes for Community Transportation systems, MPO performance based planning requirements
- Launch Safety Management System Review project

2015 PTD Training Conference

- Featured speakers: Secretary Nick Tennyson, Dr Yvette Taylor, Mark Aesch, Dan Burden and Christopher Chung.
- Training opportunities to be offered include: Americans with Disabilities Act (ADA), Title VI and DBE, Safety, Compliance, Drug and Alcohol, best practices, land-use practices in rural areas, labor and employment laws, metropolitan and rural planning organizations and other important topics



PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT

NCDOT RAIL DIVISION for the Month of JULY 2015

Ridership

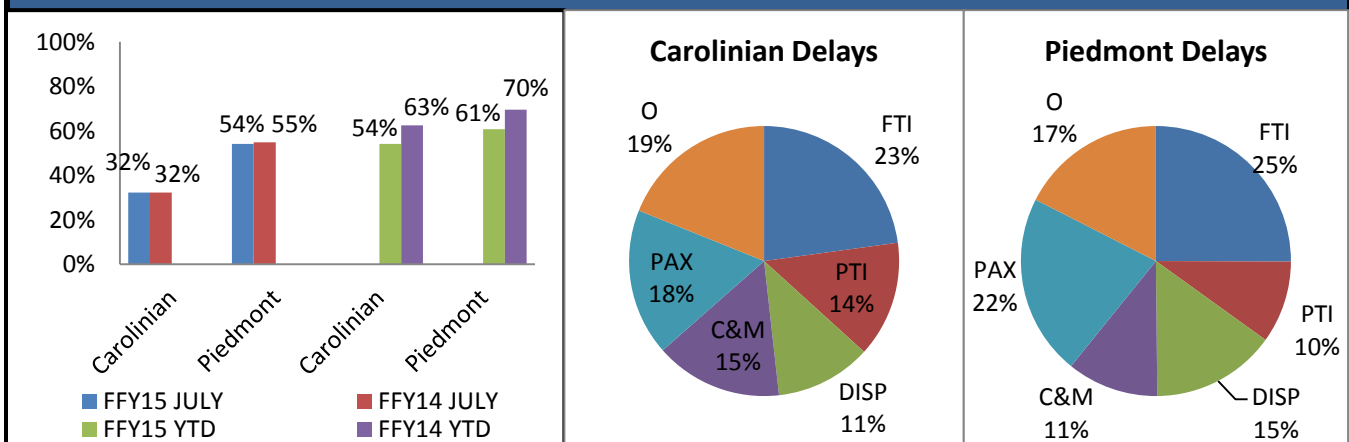
	FFY15 JULY	FFY14 JULY	Δ	FFY15 YTD	FFY14 YTD	Δ
Carolinian	29,357	29,583	-1%	249,421	250,568	0%
Piedmont	14,270	13,977	2%	136,242	142,300	-4%
Total	43,627	43,560	0%	385,663	392,868	-2%
			# of Trains	FFY15 JULY	FFY14 JULY	Δ
Average number of passengers per train		Carolinian	62	474	477	-1%
		Piedmont	122	117	115	2%

Revenue

	FFY15 JULY	FFY14 JULY	Δ	FFY15 YTD	FFY14 YTD	Δ
Carolinian	\$2,072,062	\$2,134,922	-3%	\$15,998,676	\$15,665,530	2%
Piedmont	\$278,597	\$276,516	1%	\$2,788,956	\$2,836,017	-2%
Total	\$2,350,659	\$2,411,438	-3%	\$18,787,632	\$18,501,547	2%
Amenities	Mo. Surcharge	\$18,920	Mo. Expense	\$1,979	Mo. Surplus	\$16,940

***July 2015 service modifications and annulments impacted two trains due to PIP construction.** Two Piedmont trains, 74 and 75, were annulled on July 20. In 2014, Trains 74 and 75 were annulled on July 24, and Trains 79 and 80 did not operate between Charlotte and Raleigh. Looking ahead: Four to five service disruptions impacting midday trains are expected between September and December 2015. Additional analysis finds high correlation between lower retail gas prices and drops in Piedmont ridership.

On-time Performance



*Carolinian and Piedmont delays were 8,919 and 3,144 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 - June 2015

	FFY15 JUNE	FFY14 YEAR-END	Δ
Carolinian	67%	75%	-8%
Piedmont	87%	88%	-1%

*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 June eCSI for all Amtrak services was 76%.

North Carolina City Pairs with Largest Ridership

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

*Of the ten city pairs with the highest ridership, from the previous FFY month Greensboro - New York had the largest increase of 37% and Charlotte - Washington the largest decrease of 7% for the Carolinian; Cary - Durham had the largest increase of 73% and Charlotte - Cary the largest decrease of 8% for the Piedmont.

Carolinian and Piedmont Total Ons-Offs at North Carolina Stations

	FFY15 JULY	FFY14 JULY	Δ
Charlotte	15,104	15,526	-3%
Raleigh	11,191	10,528	6%
Greensboro	8,957	9,275	-3%
Durham	7,006	6,953	1%
Cary	5,727	5,361	7%
Wilson	3,209	3,553	-10%
High Point	2,684	2,818	-5%
Burlington	2,255	2,144	5%
Rocky Mount	1,952	2,005	-3%
Salisbury	1,929	2,115	-9%
Kannapolis	1,609	1,628	-1%
Selma-Smithfield	792	1,075	-26%

*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.

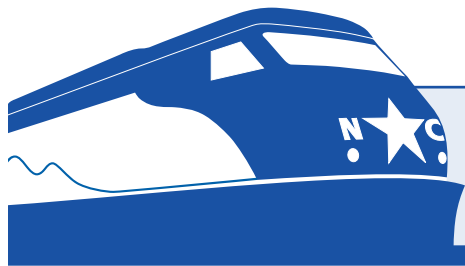
North Carolina Train Host Association

	FFY15 JULY	FFY15 YTD
Train Host Volunteer Hours	1,118	10,544



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NCDOT Rail Division

The Rail Report



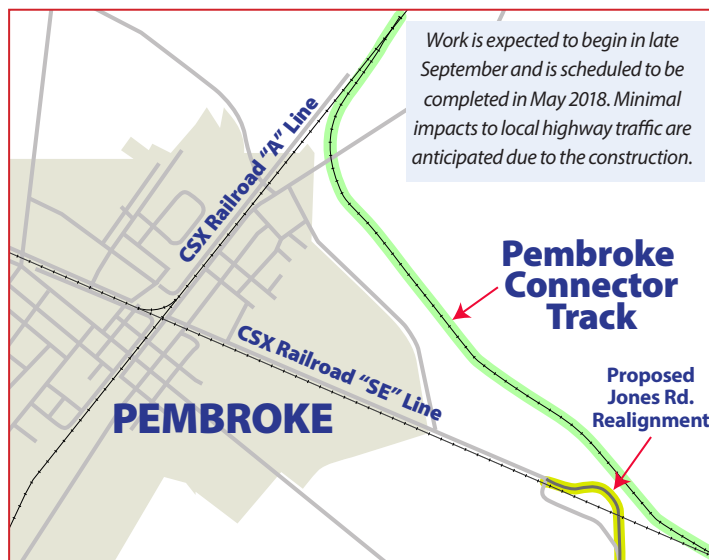
October 2015

Long-needed Infrastructure Projects Start Construction This Fall Improving Railroad Safety, Efficiency and Capacity

Pembroke Connector – Robeson County

The N.C. Department of Transportation awarded a \$10.2 million grading contract to C.M. Lindsay & Sons, Inc., of Lumberton, to create a new 2.4-mile single-track railroad connection in Robeson County. When the grading contract is complete, CSX Transportation will construct the new track and railroad signals. The project will connect the CSX A-line (north-south railroad line) and CSX SE-line (east-west rail line) just north of Pembroke.

This new connection will allow freight trains a direct connection between Wilmington, Fayetteville and points north. The new line will bypass Pembroke to the north, alleviating freight congestion and creating a safer and more efficient route for both general freight trains and military equipment moves that frequently travel through the area.



Sugar Creek Road Grade Separation Project in Charlotte



NCDOT Visualization of Sugar Creek Road Grade Separation

The Sugar Creek Road grade separation project is part of a series of upgrades to the North Carolina Railroad (NCRR) from Raleigh to Charlotte. This rail corridor is one of the busiest sections in the state, currently hosting more than 30 Norfolk Southern Railroad freight trains and eight Amtrak trains per day.

Completion of this \$17 million project, which is funded by the NCDOT, FRA, NCRR, NS and City of Charlotte, will reduce the risk of train/vehicle collisions, improve safety for both vehicle and rail passengers, and reduce traffic congestion in the area.

The project will include permanently closing the existing Craighead Road railroad crossing and constructing a bridge carrying Sugar Creek Road over the existing and future railroad tracks. North Davidson Street will be realigned to the intersection of Sugar Creek Road and Redwood Avenue and the intersection improved. Bearwood Avenue will be extended under the proposed Sugar Creek Road bridge to a new intersection with the realigned N. Davidson Street. A new connector road will be constructed from the existing Greensboro Street/East Sugar Creek Road intersection to Raleigh Street, east of the proposed Sugar Creek Road bridge and the existing Northmore Street/Sugar Creek intersection will be removed.

Work on the grade separation project can begin as soon as October 1. During construction, Sugar Creek Road will be closed from Greensboro Street to Redwood Street. A signed detour route will direct northbound traffic to Eastway Drive, then to Tryon Street. The detour will be reversed for southbound traffic. Sugar Creek Road will not close until the new Eastway Drive bridge reopens.

Charlotte Area Transit Systems (CATS) will close Sugar Creek Road initially for its Blue Line Extension project. After the BLE work is completed, NCDOT will maintain the road closure for its grade separation project.

All work on the grade separation project, except reforestation, is scheduled for completion in September 2018. Blythe Development Company of Charlotte is the project contractor.



CLNA's New Rocky Mount Transload Facility offers Local Companies more Shipping Options

The Carolina Coastal Railway (CLNA) has partnered with the NCDOT Rail Division to construct an approximately 2,000 foot-long spur and transload facility. The recently completed project is in the CLNA yard adjacent to the CSXT yard in Rocky Mount. The grant was provided to CLNA from the Freight Rail & Rail Crossing Safety (FR&RCSI) funds, to create improved access to the railroad network for local industrial users. The initial products handled at the transload facility will include dried distillers grain and whole logs for construction of log homes. Additional business users are being contacted regarding the potential of the facility. CSXT is working with CLNA to direct additional users to the facility.

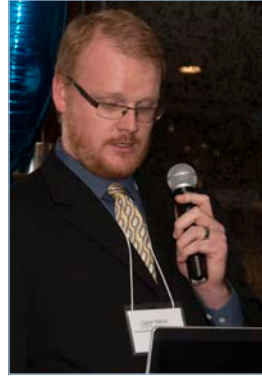


NCDOT officials visit Vertex plant in Wilmington



Secretary Nick Tennyson, Interim Deputy Secretary Keith Weatherly, Rail Director Paul Worley and other state officials visited the Vertex plant for a tour, and to review current design plans and see a full-scale prototype for safety tank cars that will be built at the plant in Wilmington. They estimate the plan will produce 1,400 cars in their first year of operation, and 4,500 in the second year.

NCDOT Rail Division Contractors Participate in EPA's Southeastern Diesel Collaborative



Lynn Harris

On July 17th-19th Lynn Harris from McDowell Engineering, and Dr. Chris Frey from NCSU, attended the 10th annual Southeast Diesel Collaborative (SEDC) in Atlanta, GA, sponsored by the Environmental Protection Agency (EPA) Region 4 office, which serves North Carolina and neighboring states. The conference was attended by representatives of various state agencies, natural gas/alternative fuel vendors, and

several major companies including Volvo and Delta Airlines.

The purpose of the conference was to discuss opportunities for air pollution reduction, with focus on vehicle engine emissions reductions. Lynn Harris gave a presentation regarding the NCDOT Rail Division's current and future emissions improvement projects, with focus on biodiesel fuel testing and the upcoming catalytic reduction system implementation, known as a Blended Aftertreatment System (BATS). Details included a summary of how biodiesel fuel blends have been tested successfully in NCDOT's locomotives from 2011-14, with significant improvement in engine emissions as determined by the NC State Environmental Engineering Department, and also no loss of fuel economy, engine performance, or increased fuel costs. Additional information was provided regarding the Rail Division's plans to implement the BATS emissions aftertreatment system onto one locomotive, which will be the first ever operational system in revenue service on an F59PH locomotive.

Dr. Frey followed with more detailed results on the specific reduction of different types of pollutants from biodiesel fuel vs. standard locomotive diesel fuel. NCDOT's efforts and proactive approach to emissions improvements have brought attention to the important role that passenger rail agencies serve in proving new technologies.



Dr. Chris Frey

Lynn has been invited to participate in future discussions regarding opportunities for air quality improvement in the transportation industry.



Emissions testing demonstration at NCDOT Rail Maintenance Facility.

North Carolina's Amtrak will "drop you off at the Front Door" for the N.C. State Fair and the Lexington BBQ Festival

N.C. State Fair, October 15-25, 2015, where "Nothing Could Be Finer!" than getting off the *Carolinian* across the street from Gate 1 and spending the day sampling food, rides and exhibits.



Be sure to visit NCDOT's BeRailSafe booth located in Safety City at the NC State Fair for giveaways and to learn more about rail safety.

Use station code NSF for this special stop at the fairgrounds which begins October 16.

The 32nd Annual Lexington Barbecue Festival, Saturday October 24. North Carolina's Amtrak makes special stops that day in downtown in the center of the action.

Use station code LEX when booking your ticket.



Hop on Board the Piedmont to the Carolina Panthers Game

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 9:55 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.

The *Piedmont* train schedule coincides with the remaining 1 p.m. home games this season:
November 8, November 22, December 13, January 3

Taking Pictures on Railroad Tracks is Dangerous - and Illegal

The N.C. Department of Transportation Rail Division's BeRailSafe program advises individuals and professional photographers to stop taking photographs on railroad tracks, property and equipment. There are both safety and legal reasons for this message:



- Railroad tracks are not safe. Train schedules vary widely, so you should expect a train to come along at any time, day or night. Trains cannot stop quickly, so you are in serious danger of being severely injured or killed if you cannot get out of their way in time.
- In recent years, there have been too many instances nationwide of photographers and subjects being struck and killed by trains during photo shoots. As recently as July 25 of this year, a professional photographer was killed by a train in Fresno, California, during a photo shoot.
- Railroad tracks and equipment are private railroad company property and trespassers can be charged with a misdemeanor.

This message is especially important at this time of year, when many high school students, often graduating seniors, take yearbook portraits. High school yearbook staff advisers are asked to notify students and professional photographers of the dangers involved in taking photographs on or near railroad tracks and advise them that any such portraits will be rejected.

"By not rejecting railroad-background pictures, schools only encourage other people, including young children and teens, to believe that railroad tracks are safe places to be if they do not hear or see a train close by," said Paul Worley, Rail Division Director. "We need to realize that these pictures, whether in a yearbook or on social media, are extremely dangerous, irresponsible, and unacceptable."

Though they are on the rise, trespassing deaths and injuries in North Carolina are completely avoidable if you stay off the tracks or only cross tracks at designated locations such as highway grade crossings, underpasses and bridges.

NCDOT BeRailSafe works with North Carolina Operation Lifesaver, railroads and other safety stakeholders in programs to educate children, teens and adults on the dangers of trespassing on railroad tracks, property and equipment.

Ridership & Revenue on NC's Amtrak Service - *July 2015 vs. 2014

	RIDERSHIP			REVENUE		
	2015	2014	% +/-	2015	2014	% +/-
Piedmont	14,270	13,977	2%	\$278,597	\$276,516	1%
Carolinian	29,357	29,583	-1%	\$2,072,062	\$2,134,922	-3%

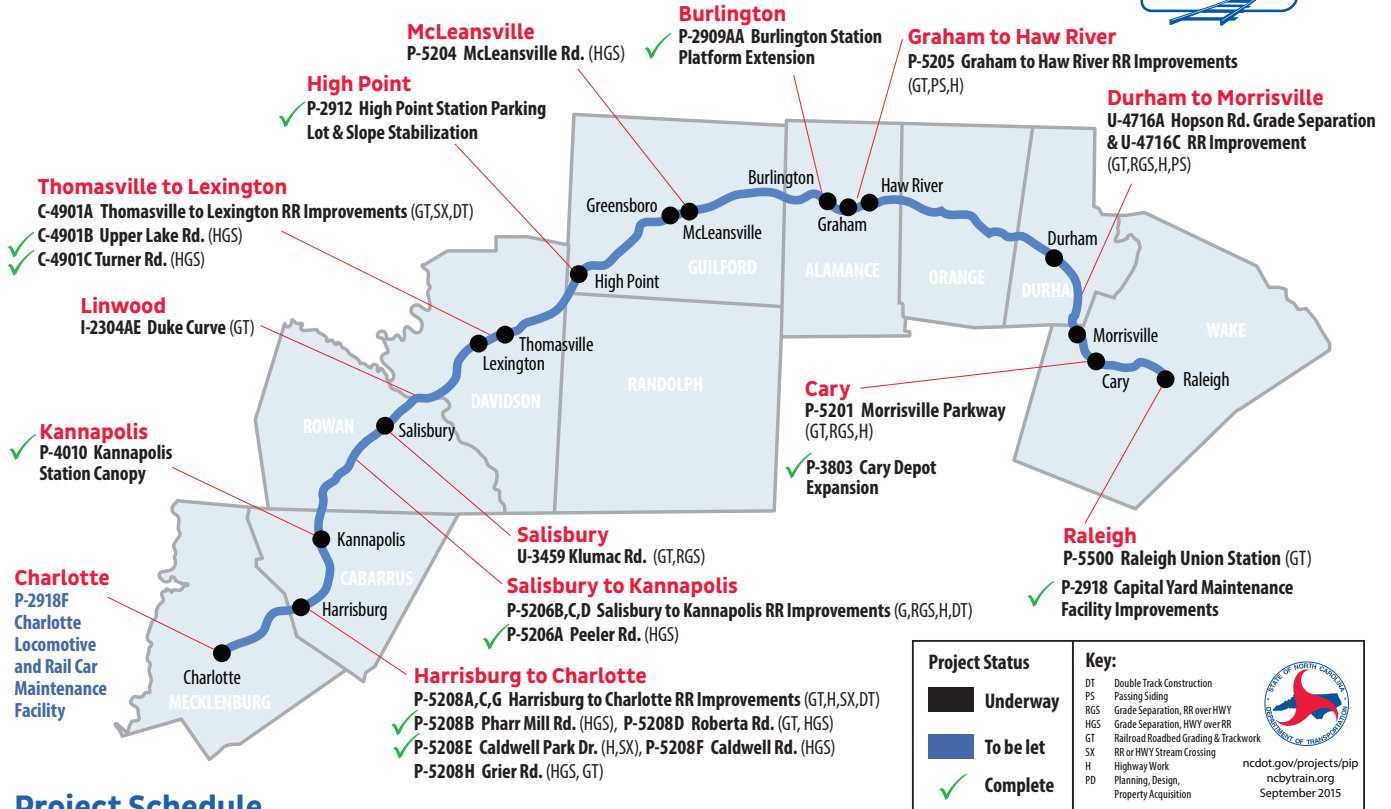
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1,117



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

Piedmont Improvement Program – September 2015 Status Report



Spent to Date of \$520M (eff. 8/31/2015)

Component	Expenditure
PD&A/ROW	\$47,536,448
Equipment Procurement & Rebuild	\$26,933,812
Stations & Facilities	\$38,315,218
Track & Structures	\$ 196,618,009
CRISP	\$2,180,376
Program Totals	\$311,583,863

Four new contracts totaling \$190,981 were awarded in August.

Commitments to Date of \$520M (eff. 8/31/2015)

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

Salisbury – Track construction has started across Klumac Road bridge.

Lexington – On August 31, the first new main track was put into service across the new Hamby Creek railroad bridge within the Bowers to Lake double track project. This final track relocation will facilitate the completion of the adjacent second main track in this area.

Charlotte – At the Grier Road grade separation project within the Haydock to Junker double track, the first new main track was put into service on August 31. The permanent relocation of the track facilitates the completion of the overpass bridge and the adjacent second main track in this area.



Piedmont Improvement Program and Congestion Mitigation Project Photos August 2015



Congestion Mitigation Project, installation CP Armstrong turnouts



P-5201 Morrisville Parkway, bridge construction



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



P-5205 Graham to Haw River Passing Siding, grading for new alignment



C-4901 Bowers to Lake, Rich Fork Creek bridge work



U-3459 Klumac Road, bridge ready for track

Piedmont Improvement Program Project Photos

August 2015



P-5206 Reid to North Kannapolis, grading near Peeler Road



P-5208 Haydock to Junker, Arch culvert construction



P-5208A Haydock to Junker, track construction



P-5208 Haydock to Junker, Roberta Road bridge construction



P-5500C Tryon Siding, track construction



P-5500C Tryon Siding, roadbed ready for track construction



Engineering Aviation Safety: Wildlife Hazard Management/Stormwater Update

Jennifer Fuller, P.E.

October, 7 2015

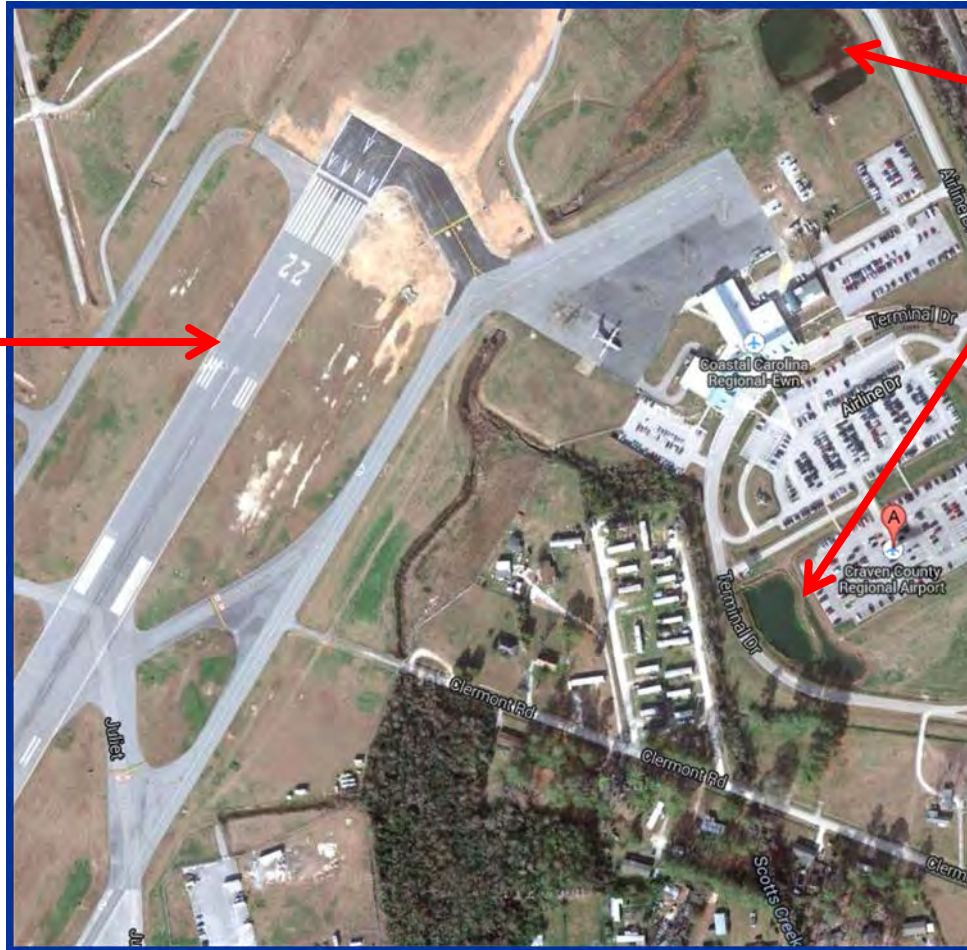


72 Publically Owned Airports in North Carolina



PROBLEM: PONDS AT AIRPORTS

RUNWAY



POND

POND



RUNWAY



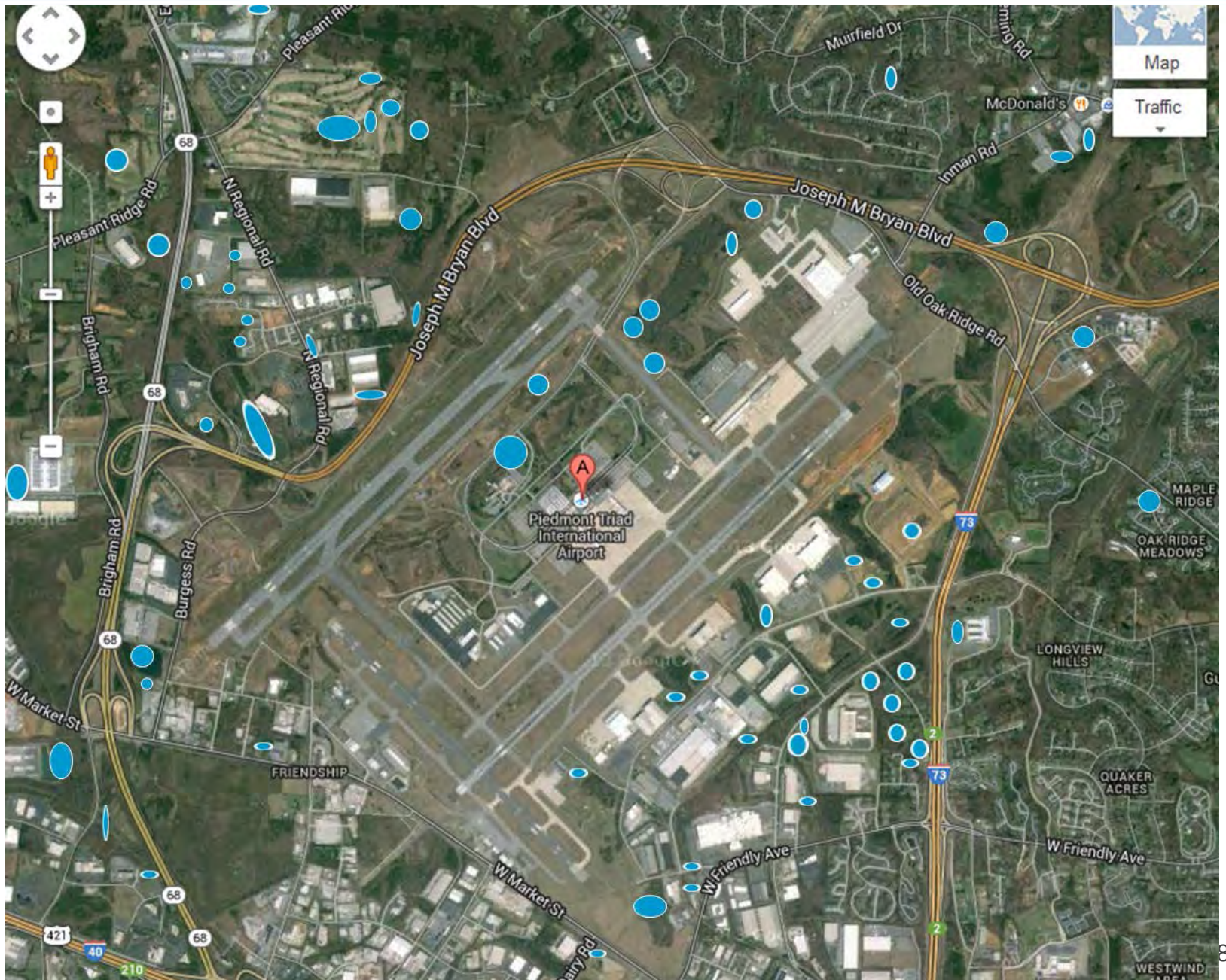
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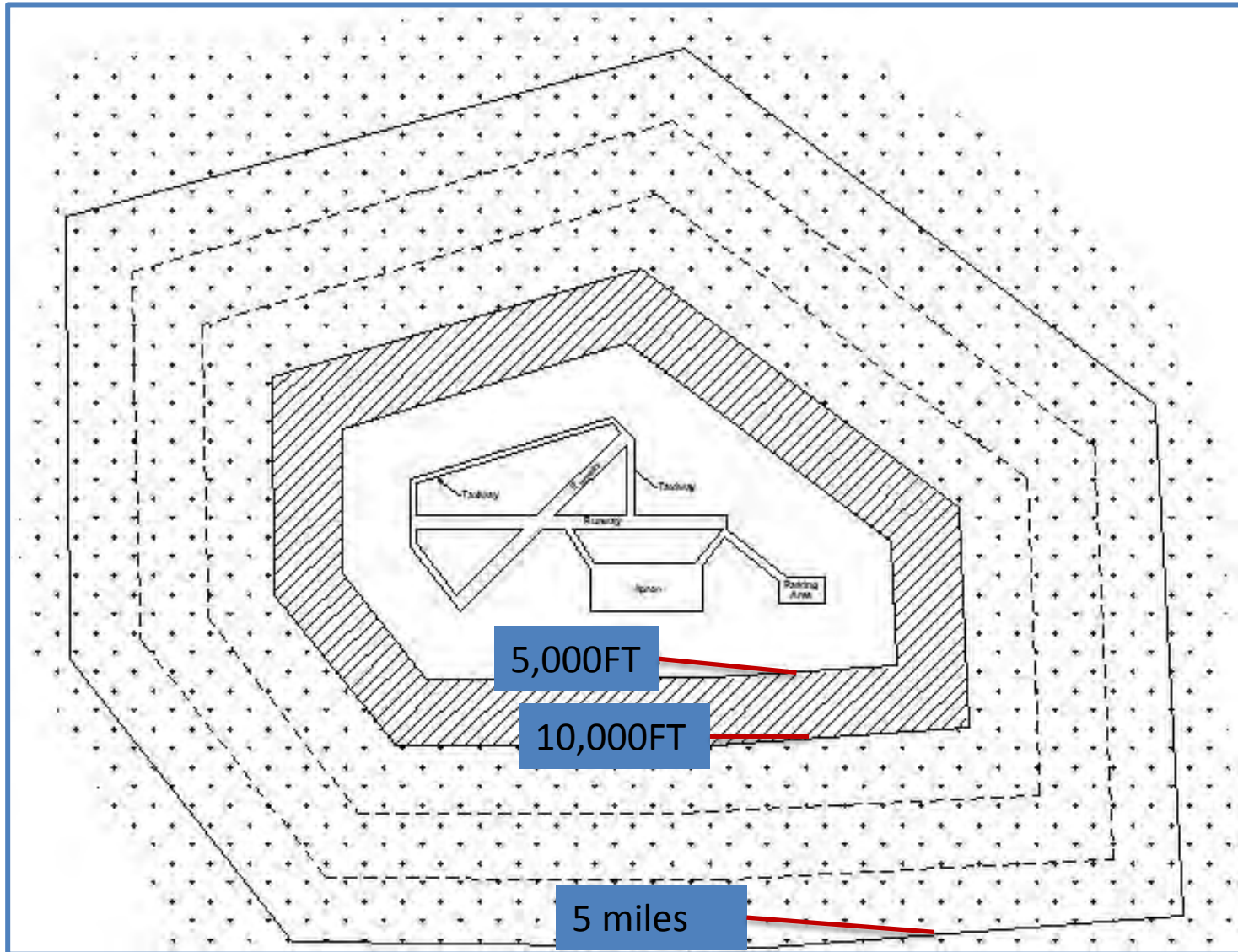




January 15,
2009



FAA Recommendation



FAA Advisory Circular 150/5200-33B, 2007

FAA Requirement

FAA Airport Sponsor Grant Assurances

- Assurance 19 “The airport ...shall be operated at all times in a safe and serviceable condition...”
- Assurance 20 “...protecting against establishment or creation of future airport hazards, including wildlife hazards”

FAA Compliance Manual

“Constructed or natural areas – such as poorly drained locations, detention/retention ponds, roosting habitats,...can provide wildlife with ideal habitat locations”

- Stormwater BMPs (Best Management Practices) attract birds and other wildlife hazardous to aviation safety.
- Birds using BMPs inside the 5 mile radius move at altitudes hazardous to aircraft.
- Site features affecting cover and foraging increased attractiveness to birds.
- Alternative designs can enhance safety.

“Impacts of resident Canada goose movements on zoonotic disease transmission and human safety at suburban airports”

-Liz Rutledge, NC State University, 2013.

“Use of stormwater impoundments near airports by birds recognized as hazardous to aviation safety”

-Fox, Boyd, Blackwell, and Armstrong, 2013.

**In North Carolina,
the US EPA
delegates authority for
stormwater permitting to the
NC Department of
Environment and Natural
Resources**



Post-Construction “State Stormwater Permit”

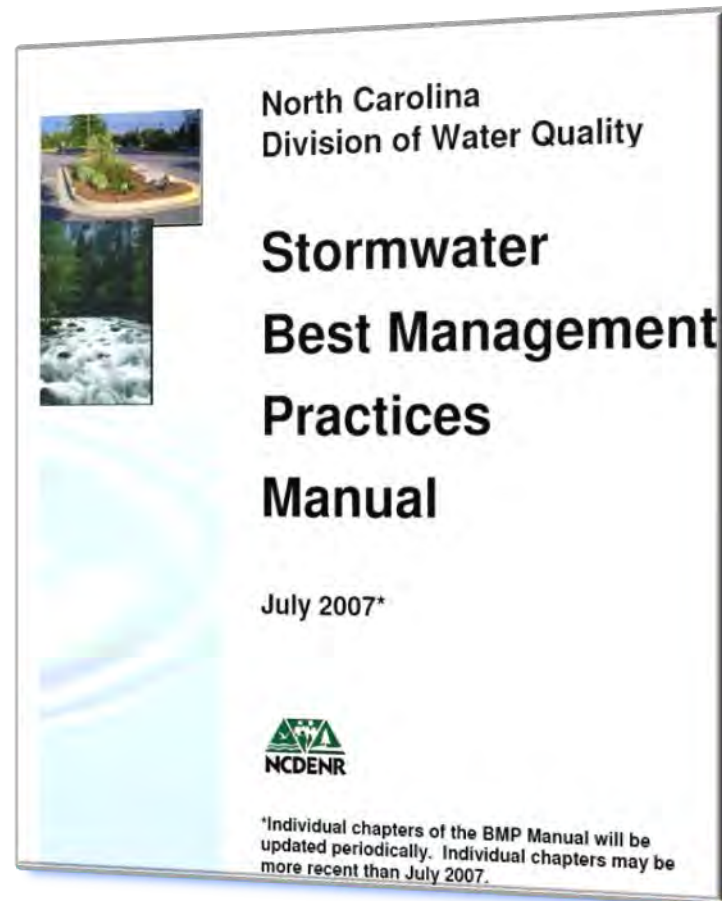
Senate Bill 229

Signed into law by Governor Bev Perdue
August 1, 2012



SB 229 goes into effect

Newly added Chapter 13

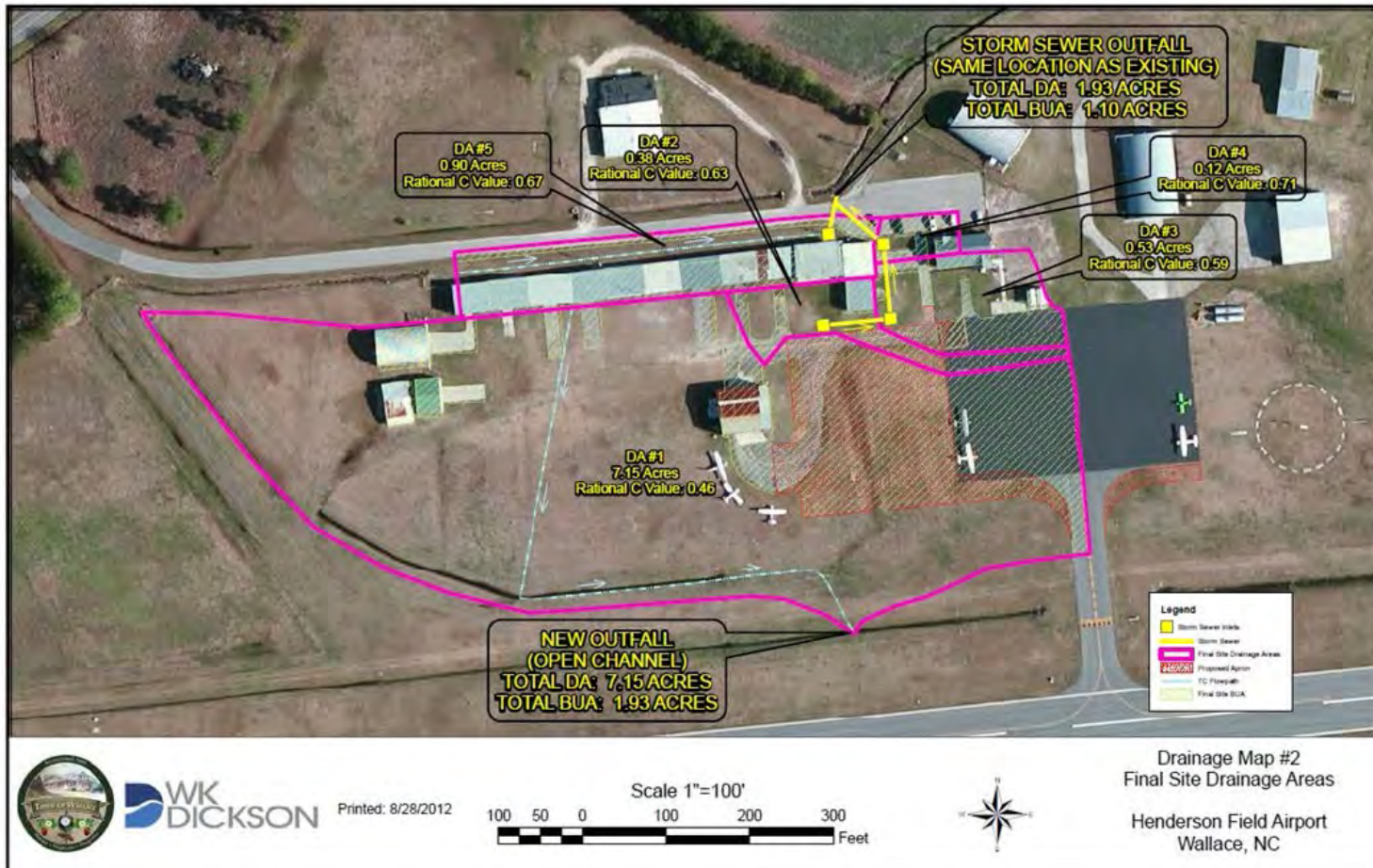


Credit for all that grass!

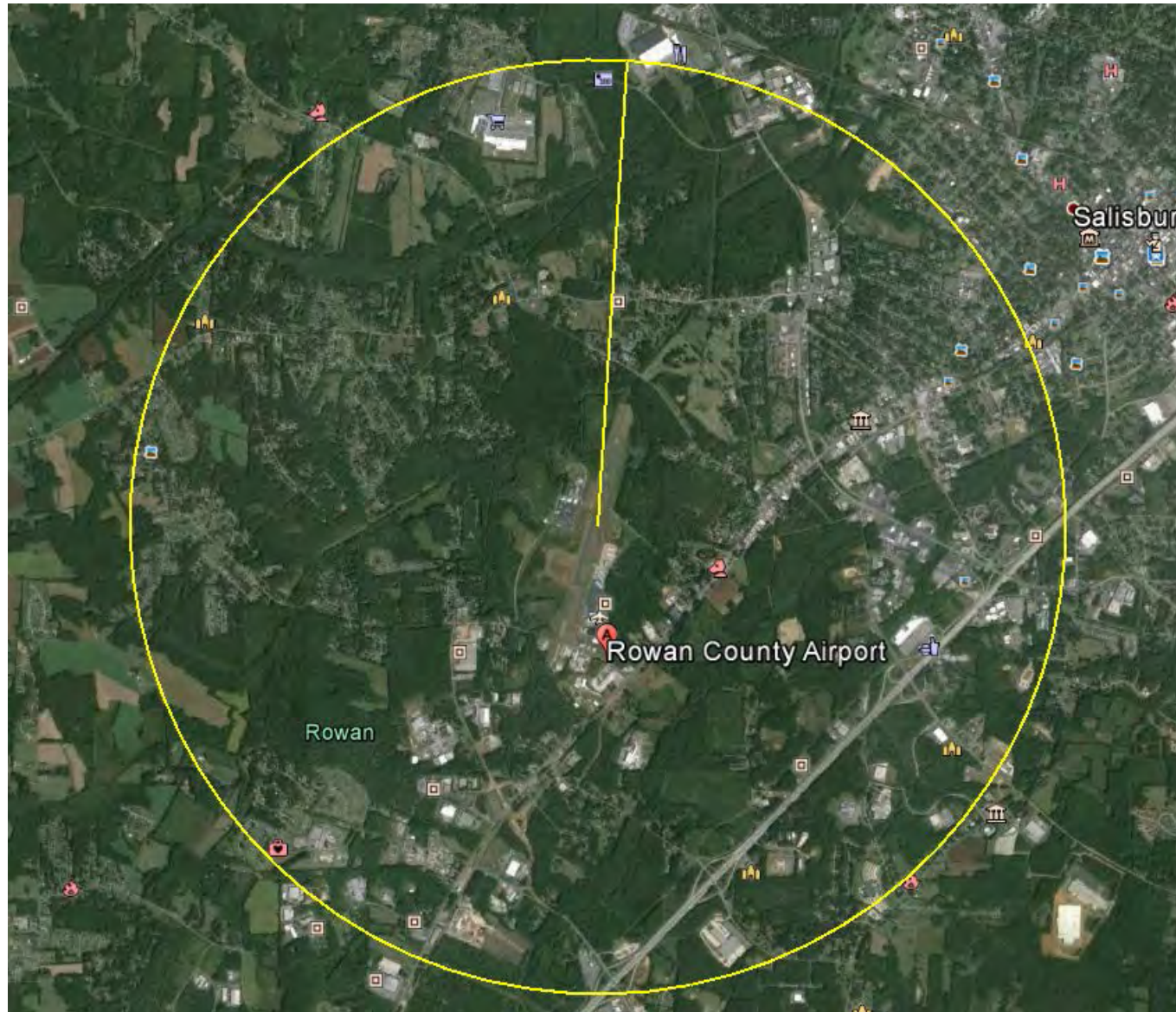
Runways, taxiways, and any other areas that provide for overland stormwater flow are “deemed permitted”.

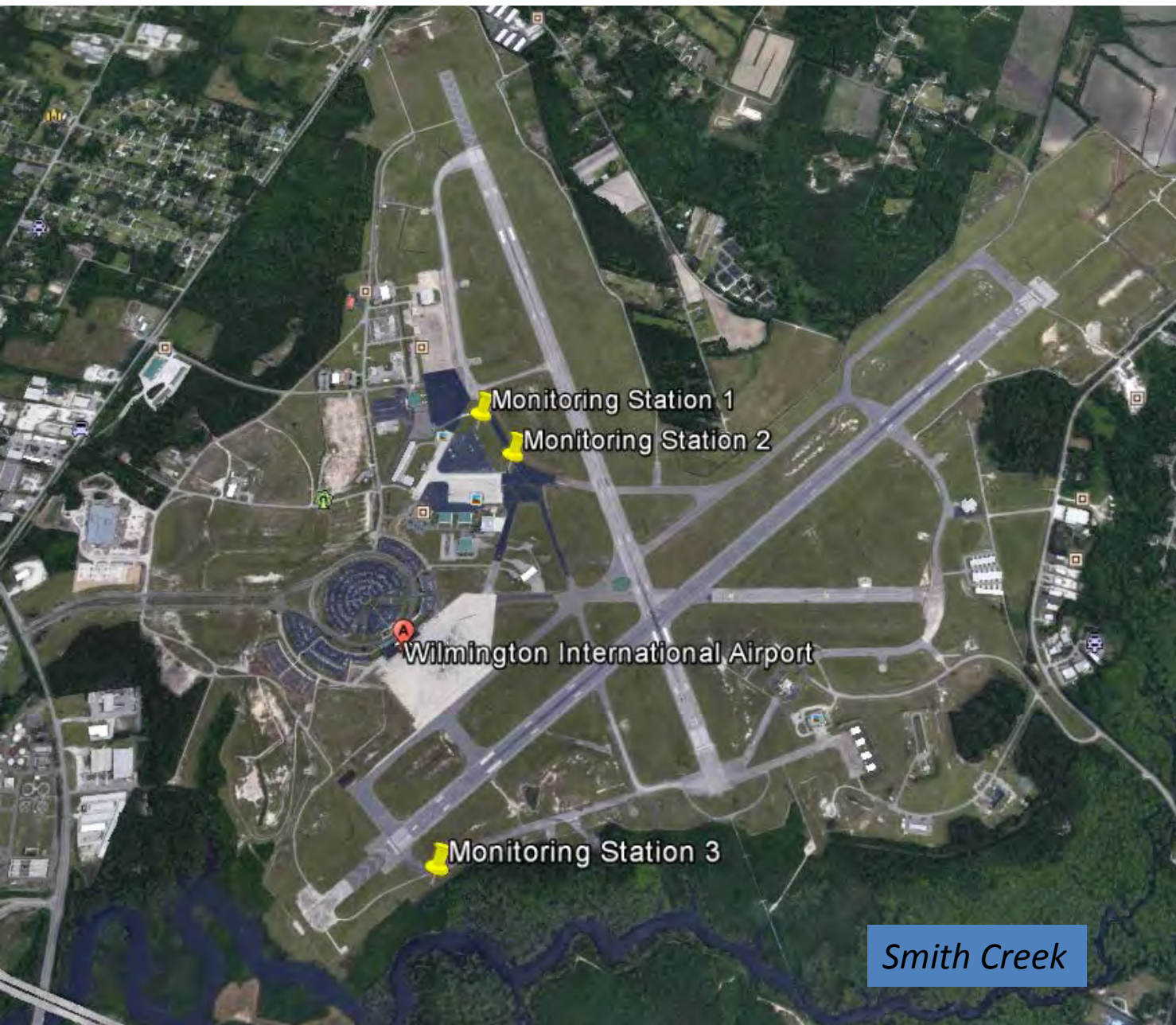


First use of SB229: Henderson Field KACZ



Recent use of SB229: Rowan Co. (KRUQ)





Research: Wilmington International Airport (KILM)





Photo Credit: Nikos
Eokas 1st Place

Wildlife Hazard Management Program

COOPERATIVE SERVICE AGREEMENT between

NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION

DIVISION OF AVIATION (NCDOTDA)
and

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
(APHIS)

WILDLIFE SERVICES (WS)
ARTICLE 1

The purpose of this Cooperative Service Agreement is to provide services to the NC DOA. The services are designed to assist the flying public of North Carolina by conducting operational services, Initial Consultations, Wildlife Hazard Assessments, training, and when requested, Wildlife Hazard Management Plans including recommendations to mitigate wildlife hazards to aviation at airports throughout the state.

WS activities are described in the Work and Financial Plans (Attachments A and B). Wildlife Hazard Management, Training, and Mitigation provided by WS will follow as recommended and detailed in the following FAA guidance

🦅 **Wildlife Hazard Assessments**

🦅 **Site Visits**

🦅 **Training Days**

🦅 **“Flash Points”**

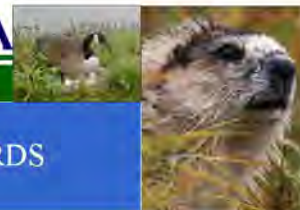
🦅 **Wildlife Hazard
Management Plans**





DIVISION OF AVIATION
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

USDA



MANAGING WILDLIFE HAZARDS At Airports

Who:

Any personnel from NC airports tasked to handle wildlife hazards to aviation. If you represent a CFR Part 139 Airport, this training will assist you in meeting your 14 CFR 139.303 training requirements.

When/Where:

Wednesday, April 8, 2015 Statesville Regional Airport (SVH)
Tuesday, May 19, 2015 Albert J. Ellis Airport (OAJ) **Date Revised!!**
Thursday, June 25, 2015 Asheville Regional Airport (AVL)
Wednesday, December 2, 2015 Moore County Airport (SOP)

What:

USDA Animal and Plant Health Inspection Service- Wildlife Services, in cooperation with the NCDOT-Division of Aviation, will provide technical outreach and other services designed to increase safety at NC airports. There is no cost for attendees of this training. Training days typically run from 8am to 4pm, with lunch on your own at local restaurants. Seating is limited, please register early, registration is on a first come first serve basis. More info will be provided upon registration regarding directions and itinerary.

Topics:

- Topics contained in FAA Advisory Circular 150/5200-33 will be discussed
- General overview of wildlife hazards to aviation in our state and nationally
- Review of the Wildlife Hazard Assessment and Wildlife Hazard Management Plan Process
- Rules, regulations, legal reminders, wildlife permits
- Basic bird and mammal identification
- Wildlife attractants and habitat management
- Integrated management of wildlife hazards
- Record Keeping and communications
- Safety issues with equipment and procedures

To pre-register call:

Contact Jennifer Fuller NCDOT Division of Aviation
(919) 814-0560 or email jmfuller@ncdot.gov

For information about the training please call:

Mark Lowles (336) 668-2859 or email
Mark.A.Lowles@aphis.usda.gov

For resources and information on Wildlife Hazards, please visit:

http://www.faa.gov/airports/airport_safety/wildlife/ and
<http://www.birdstrike.org/>

2015 Training Dates



Since 2004, The Division of Aviation has invested nearly \$1.5 Million in the Wildlife Hazard Management Program which has allowed USDA Wildlife Biologists to...

- ✎ Conduct Site Visits at 52 General Aviation airports
- ✎ Produce WHA and WHMP at ten certificated airports
- ✎ Train over 600 airport personnel
- ✎ Provide over 300 requests for technical assistance
- ✎ Increase strike reporting by almost three-fold

Wildlife Strike Reporting- since 1990



**Federal Aviation
Administration**

<http://wildlife.faa.gov/strikenew.aspx>

Wildlife Strike Database and Reporting System

→ Search the Database

→ **Submit a Strike Report**

→ Edit a Strike Report

Wildlife Hazard Mitigation Program

→ Wildlife Strike Database

→ Wildlife Strike Questions and Answers

→ Wildlife Strike Gallery

→ The Wildlife Strike Problem

→ Wildlife Strike Research and Development

→ Wildlife Management

→ FAA Guidance on Wildlife

→ Wildlife Strike Resources

→ Wildlife Strike News

Submit a Wildlife Strike Report

To complete a Wildlife Strike Report:

1. In the form below, complete as many fields as possible.
2. At the bottom of the form, click **Submit Strike Report**. You will see a confirmation page with a Strike Report Confirmation number and a link to your report. Note the confirmation number so you can view, edit, or print your report in the future.
3. On the confirmation page, click the link and then print a copy of your report.
4. If you are reporting a bird strike, please submit bird remains for identification. [Please click here for instructions on how to collect remains.](#)

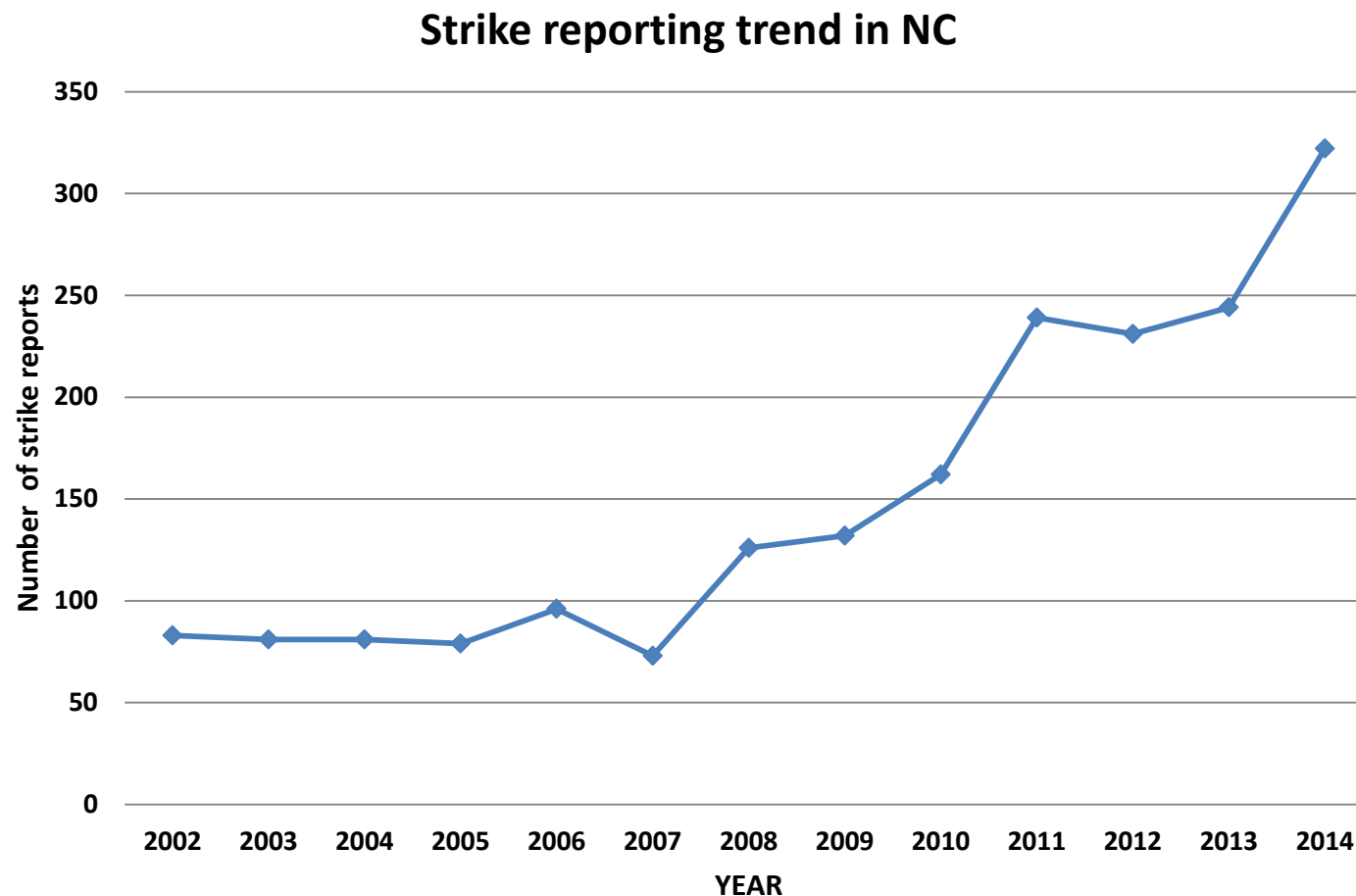
Form Approved OMB No. 2120-0045

1. Name of Operator/Carrier <i>Type in a few letters contained within the Operator name or OperatorID. Add more if/as req'd. If found, click that Operator Name from the listing so that appear in the entry box. If not found, type in the Operator Name and if known, the 3/4 letter Operator ID.</i>	2. Aircraft Make/Model	3. Engine Make/Model									
4. Aircraft Registration	5. Date of Incident mm / dd / yyyy	6. Local Time of Incident NA : NA : NA									
6A. Flight Number	6B. Wildlife/Bird Remains: ☐ Collected ☐ Sent to Smithsonian										
7. Airport Name/ID <i>Type in a few letters contained within the Airport name or AirportID. Add more if/as req'd. If found, click that Airport Name from the listing so that appear in the entry box. If not found, type in the Airport Name and if known, the 3/4 letter Airport ID.</i>	8. Runway Used	9. Location if En Route and/or Distance from Airport (Nearest Town/Reference & State/Airport)									
10. Height (AGL) ft	11. Speed (IAS) kts										
12. Phase of Flight	13. Part(s) Struck or Damaged <table style="width: 100%;"> <thead> <tr> <th></th> <th>Struck</th> <th>Damaged</th> </tr> </thead> <tbody> <tr> <td>A. Radome</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>H. Propeller</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>			Struck	Damaged	A. Radome	☐	☐	H. Propeller	☐	☐
	Struck	Damaged									
A. Radome	☐	☐									
H. Propeller	☐	☐									

How do we measure program effectiveness?

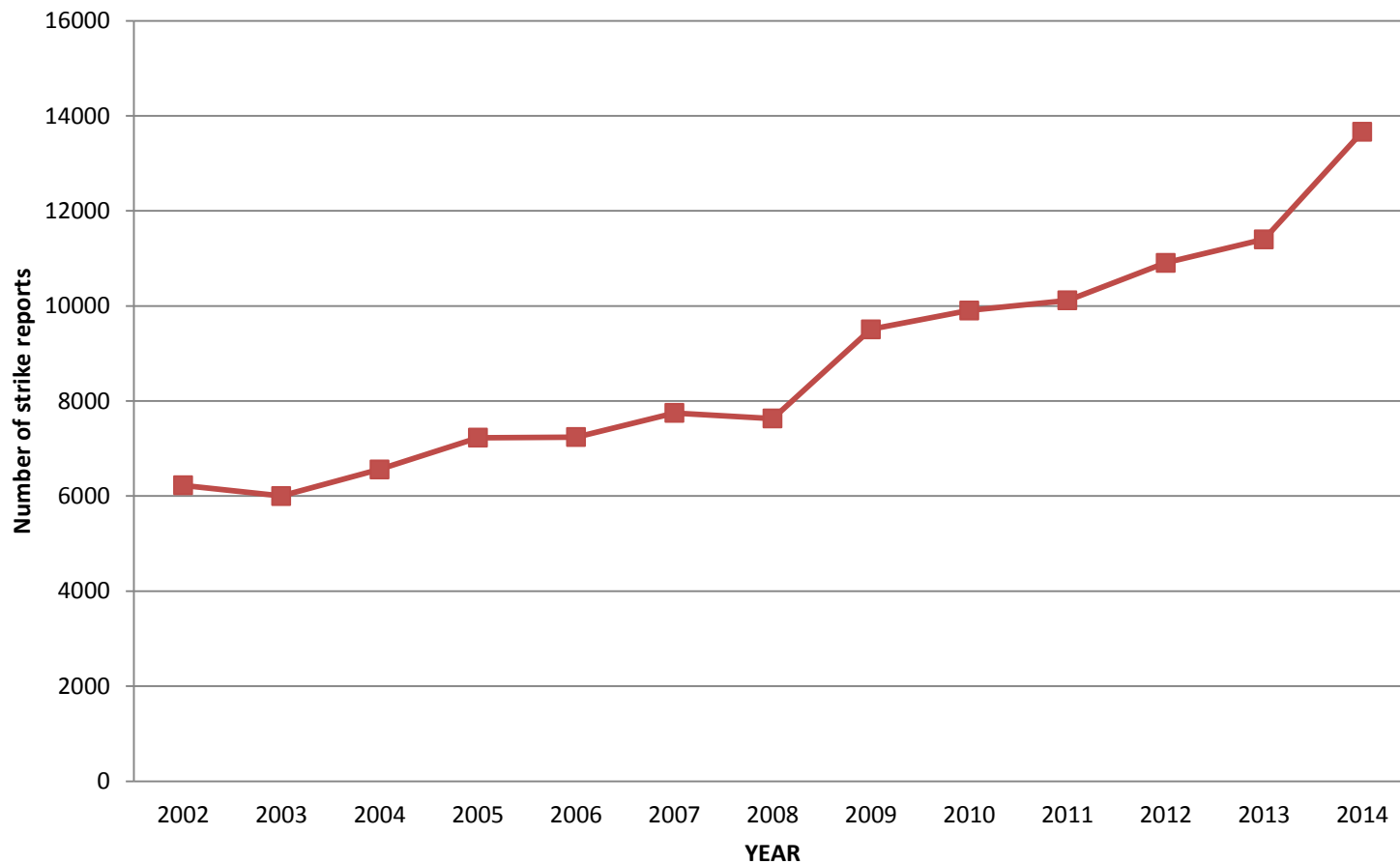
NC Airports reported 322 wildlife strikes in 2014!

"You can't manage it if you don't measure it"



Reporting is UP! Damaging strikes are DOWN!

Strike reporting trend in US



Analysis of the strike database updated annually



Wildlife Strikes to Civil Aircraft in the United States, 1990–2014

AUTHORS

Richard A. Dolbeer, Science Advisor, Airport Wildlife Hazards Program, U.S. Department of Agriculture, APHIS, Wildlife Services, 6100 Columbus Road, Sandusky, OH 44870

Sandra E. Wright, Wildlife Strike Database Manager, Airport Wildlife Hazards Program, U.S. Department of Agriculture, APHIS, Wildlife Services, 6100 Columbus Road, Sandusky, OH 44870

John R. Weller, National Wildlife Biologist, Office of Airport Safety and Standards, Federal Aviation Administration, 800 Independence Ave., SE, Washington, DC 20591

Amy L. Anderson, National Wildlife Biologist, Office of Airport Safety and Standards, Federal Aviation Administration, 800 Independence Ave., SE, Washington, DC 20591

Michael J. Begier, National Coordinator, Airport Wildlife Hazards Program, U.S. Department of Agriculture, APHIS, Wildlife Services, 1400 Independence Road, Washington, DC 20250

- Number of reported strikes increased 127% since 2000.
- Damaging strikes have declined 24% since 2000 to only 4% of incidents.
- **Damaging strikes not declining for General Aviation airports.**
- 40% commercial strikes occur at 0 feet AGL, 71% of bird strikes occurred at or below 500 feet AGL, 92% below 3,500 AGL (similar for GA airports) most often on approach.
- 96% of wildlife strikes are birds
- Decline in damaging strikes has occurred mostly below 1500' AGL
- Several contributing factors to increased risk

Most strikes occur in the areas that can be managed most effectively- the immediate airport environment.

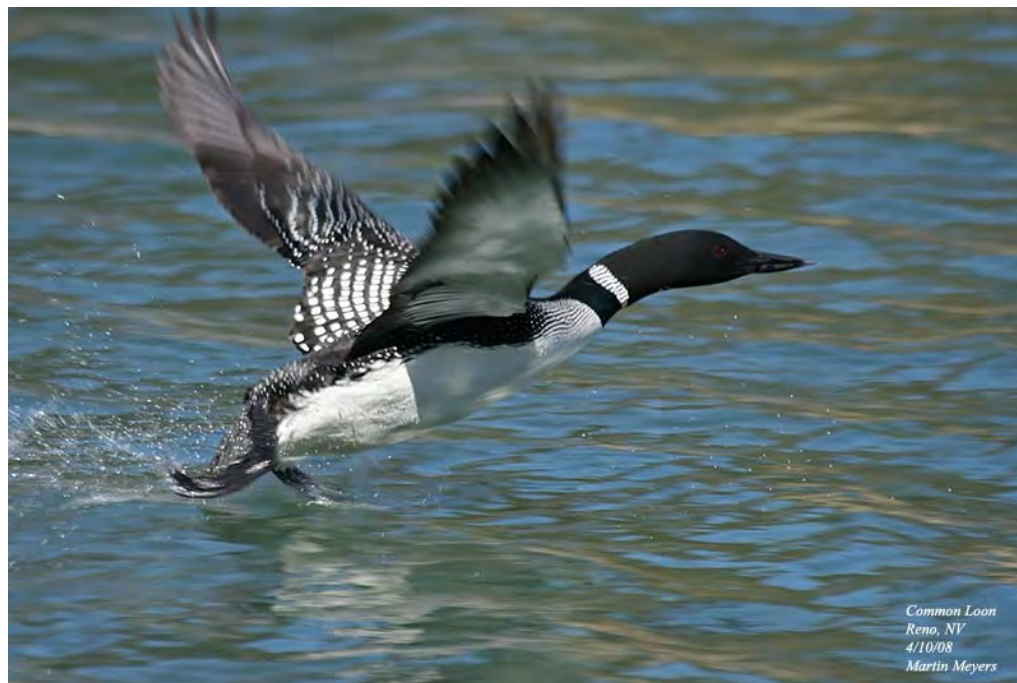


IMPRESSIVE: Canada geese, the 9th most frequently identified species struck overall since 1990 declined to the 22nd most frequently struck species in 2014 in spite of the fact that the overall population in North America has increased 2.2 fold(U.S. FWS)



This Embraer 135 hit a common loon at 2900 feet on final approach into a Michigan airport in May 2014. The 12-lb bird penetrated the bulkhead and splattered blood on the flight crew. The aircraft landed safely. Aircraft was out of service over 6 months for repairs to radome, fuselage and instrument panels. Photo by aircraft owner.

- 28 May 2014
- Cherry Capital, MI
- 3,500 feet AGL on approach
- Safe landing
- Common Loon average weight 6-12 lbs



*Common Loon
Reno, NV
4/10/08
Martin Meyers*



A DHC8 DASH aircraft struck several Canada geese during the initial take-off run from a Pennsylvania airport at dawn on 10 August 2014. The fuselage and a passenger window were damaged by a goose that was slung into side of aircraft after striking a propeller blade. The damaged propeller caused strong engine vibrations and pilot aborted take-off at 40 knots. Photo by aircraft owner.

- 10 August 2014
- Harrisburg International, PA
- 0 feet AGL aborted take off
- Canada Goose average weight 7-14 lbs



Strike reporting is
UP!

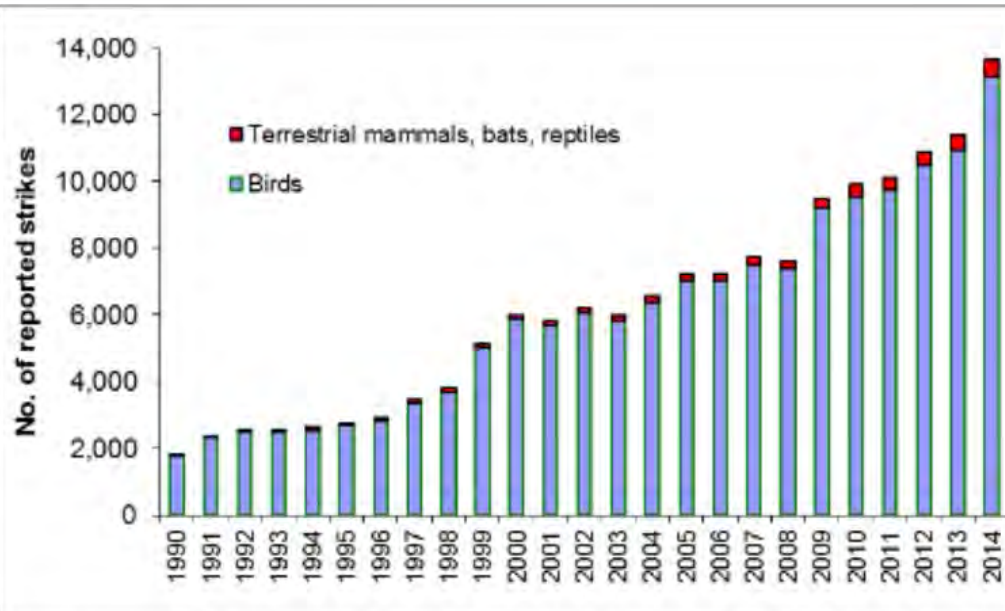


Figure 1. Number of reported wildlife strikes with civil aircraft, USA, 1990–2014. 156,114 strikes involved birds (151,267), terrestrial mammals (3,360), and reptiles (223, see Tables 1 and 17).

Damaging strikes are
DOWN!

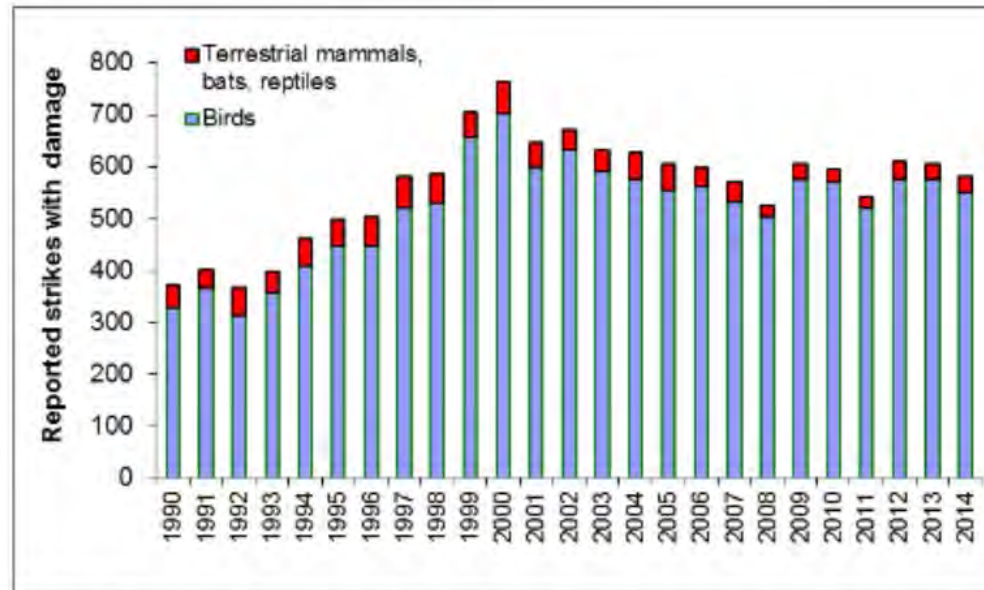


Figure 2. Number of reported wildlife strikes causing damage to civil aircraft, USA, 1990–2014. The 14,050 damaging strikes involved birds (12,982), terrestrial mammals (1,055), bats (11), and reptiles (2, see Tables 1 and 17).



Wait....



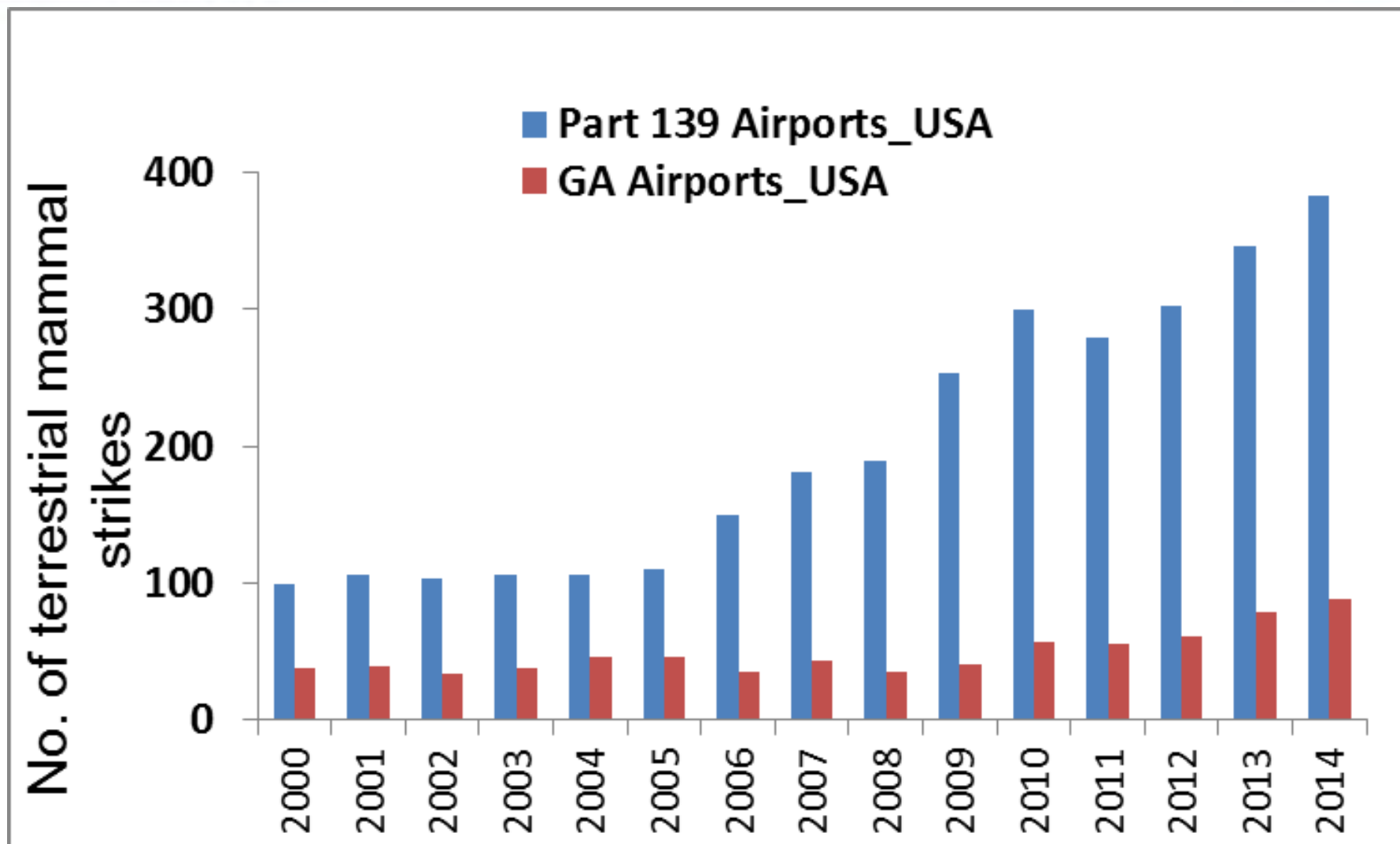
....what?

Civil aircraft strikes with terrestrial mammals (all mammals excluding bats) and with deer only at Part 139 and GA airports, USA 2000-2014

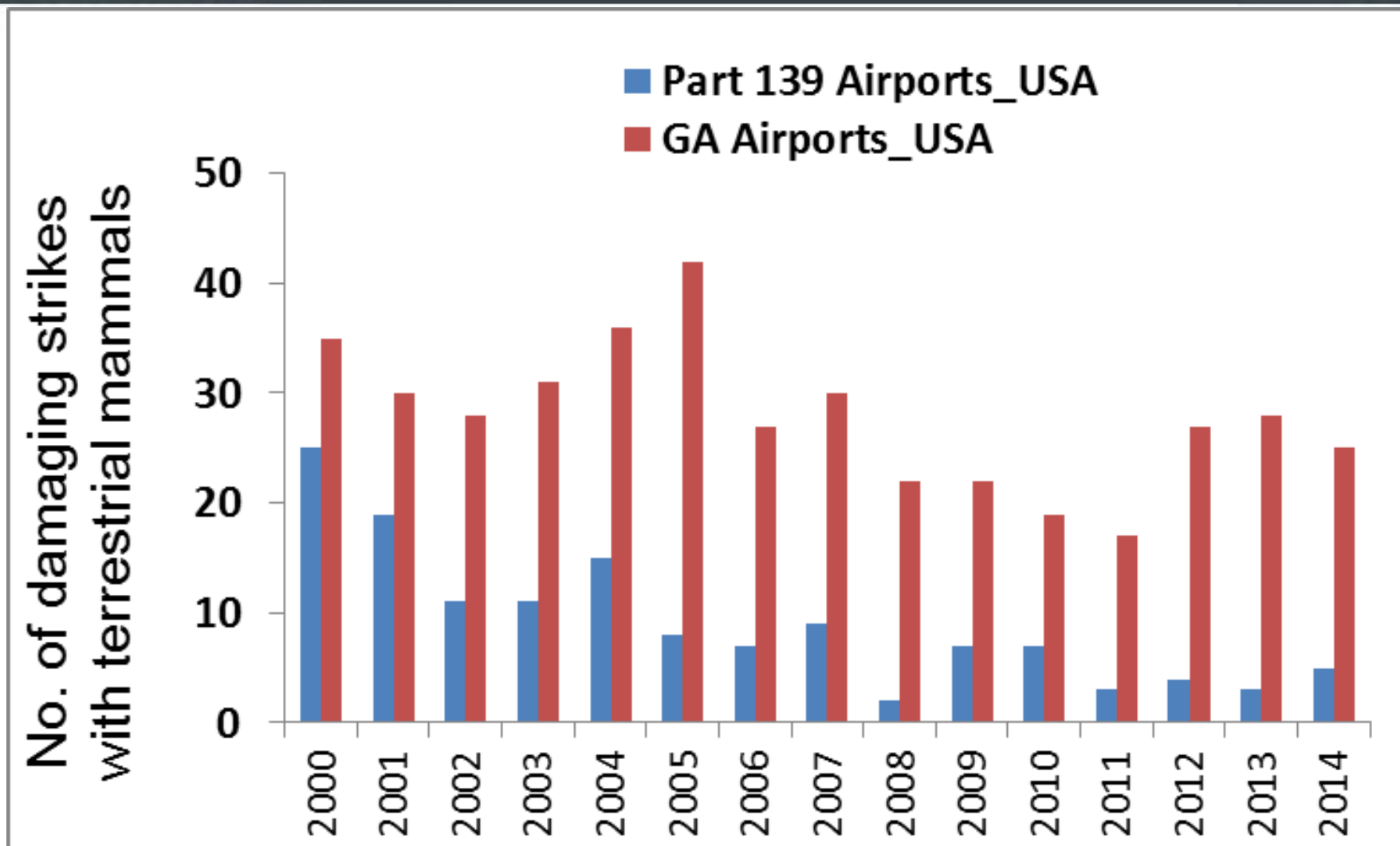
Graphs are presented for all reported strikes and for strikes that caused damage to aircraft

- **Richard A. Dolbeer, Science Adviser
22 Sep 2015**

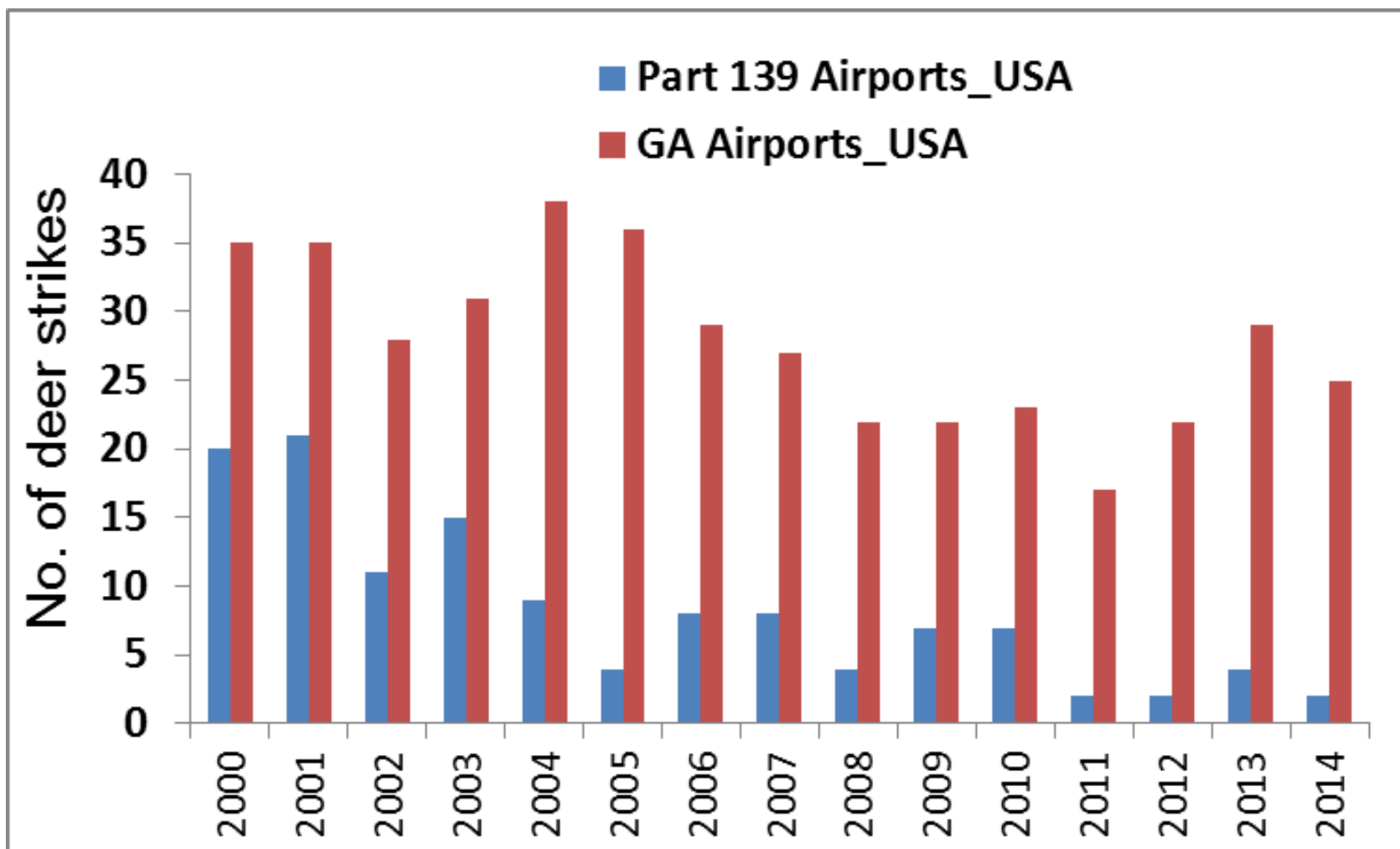




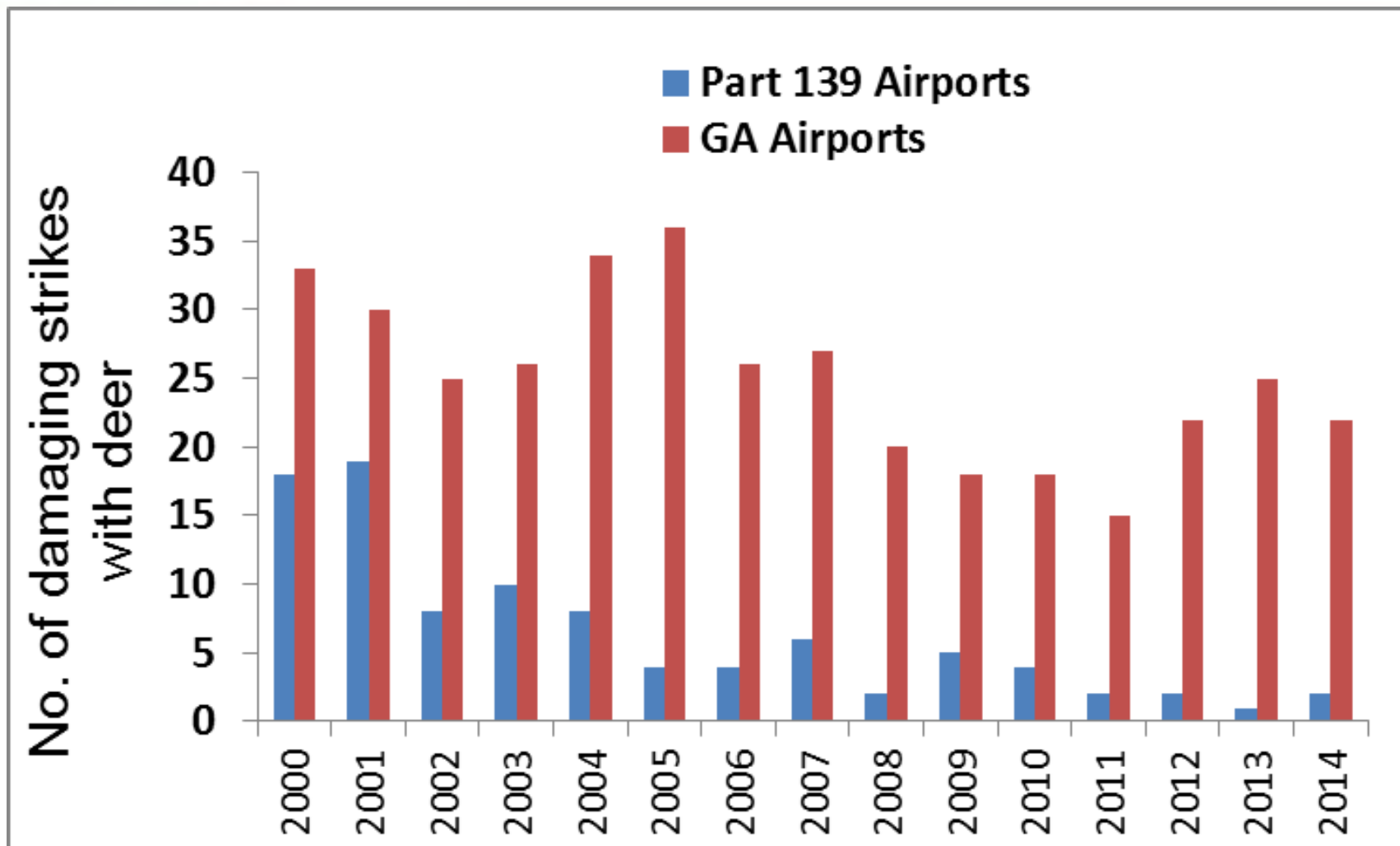
The number of TM strikes reported has increased for both Part 139 and GA airports, 2000-2014. For the past 5 years (2010-2014), Part 139 airports have had 5 times as many reported TM strikes compared to GA airports.



However, the number of TM strikes with damage to aircraft has declined significantly at Part 139 airports but not at GA airports, 2000-2014. For the past 5 years (2010-2014), GA airports had 5.3 times more damaging TM strikes than did Part 139 airports even though GA airports had only 1/5 the number of reported TM strikes.



The number of deer strikes reported has declined significantly for Part 139 airports but not for GA airports, 2000-2014. For the past 5 years (2010-2014), GA airports have had 6.8 times more reported deer strikes compared to Part 139 airports.



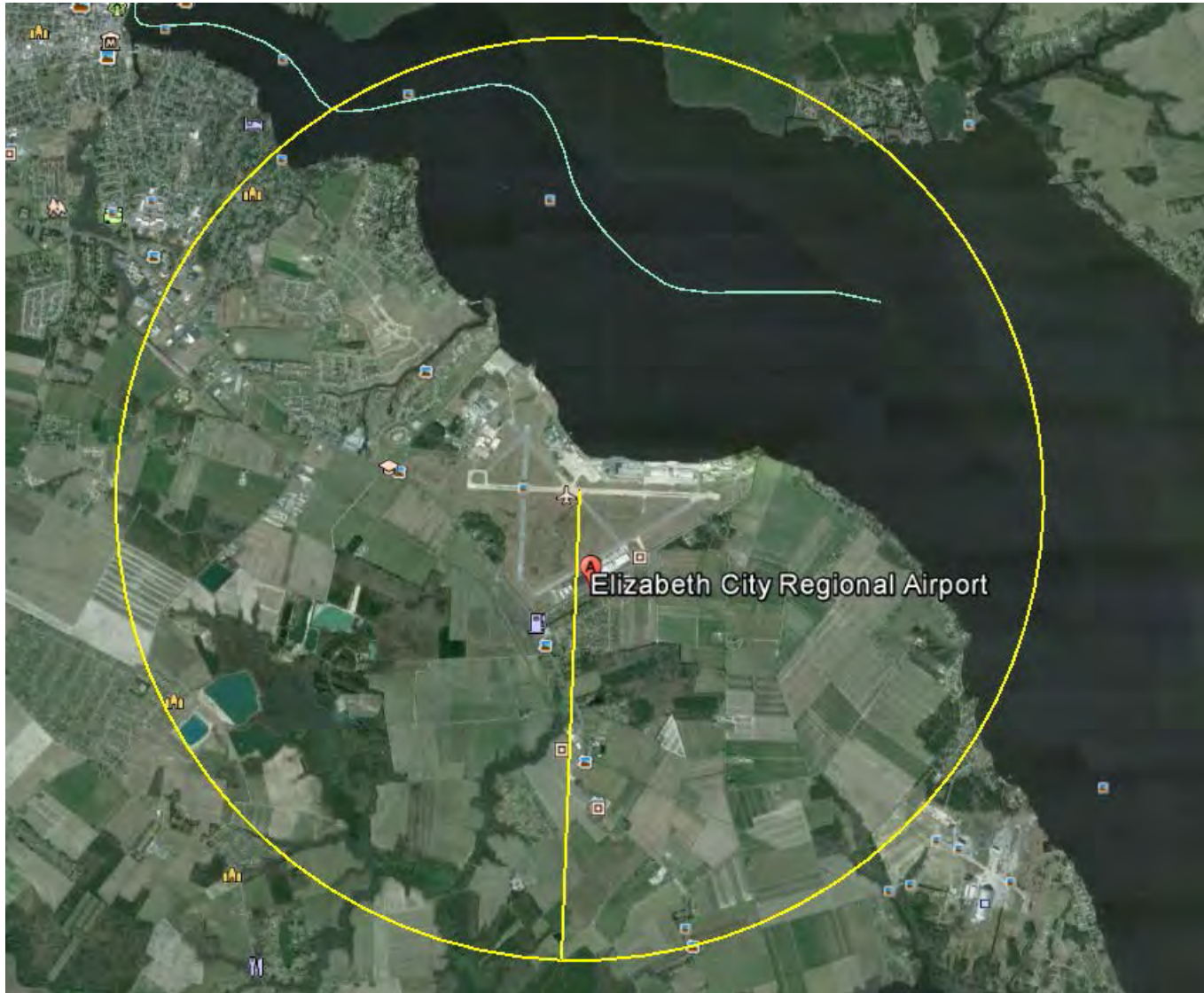
The number of deer strikes with damage to aircraft has declined significantly at Part 139 airports but not at GA airports, 2000-2014. For the past 5 years (2010-2014), GA airports had 9.3 times more damaging deer strikes than did Part 139 airports.

How can we help bring down damaging strikes at GA airports?

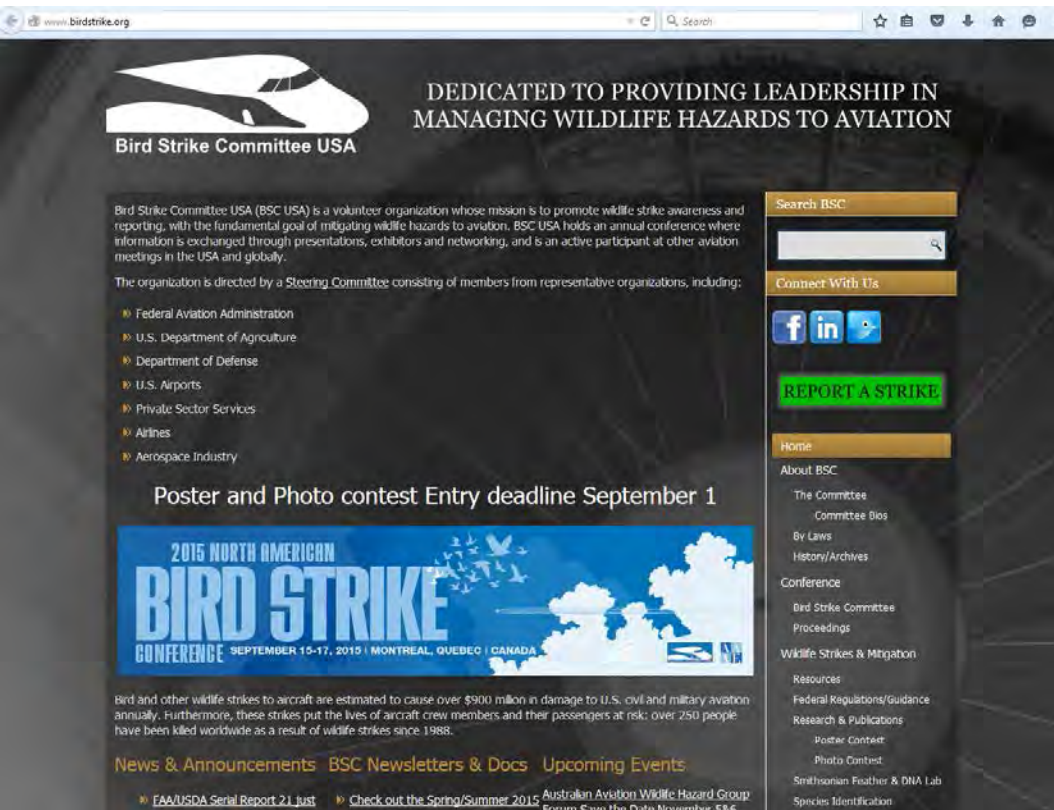


- Wildlife Hazard Assessments done at some **GA airports**
- Increase number of **training classes** per year.
- Have more regional **USDA contacts** who get to know the individual airports very well
- Marketing **new reports** from TRB
 - ACRP Report 32: Guidebook for Addressing Aircraft/ Wildlife Hazards at General Aviation Airports and
 - ACRP report Synthesis 23: Bird Harassment, Repellent, and Deterrent Techniques for Use on and Near Airports
- Public **outreach and education** through groups like the Bird Strike Committee-USA
- FAA **performance metrics**
 - % Damaging strikes vs. total strikes
 - Monitor reporting rates
 - Target biggest problems

Elizabeth City Coast Guard Air Station/Regional Airport (KECG)



Education and Outreach



Bird Strike Committee USA

DEDICATED TO PROVIDING LEADERSHIP IN
MANAGING WILDLIFE HAZARDS TO AVIATION

Bird Strike Committee USA (BSC USA) is a volunteer organization whose mission is to promote wildlife strike awareness and reporting, with the fundamental goal of mitigating wildlife hazards to aviation. BSC USA holds an annual conference where information is exchanged through presentations, exhibitors and networking, and is an active participant at other aviation meetings in the USA and globally.

The organization is directed by a **Steering Committee** consisting of members from representative organizations, including:

- Federal Aviation Administration
- U.S. Department of Agriculture
- Department of Defense
- U.S. Airports
- Private Sector Services
- Airlines
- Aerospace Industry

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REPORT A STRIKE

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- Wildlife Strikes & Mitigation
 - Resources
 - Federal Regulations/Guidance
 - Research & Publications
 - Poster Contest
 - Photo Contest
 - Smithsonian Feather & DNA Lab
 - Species Identification

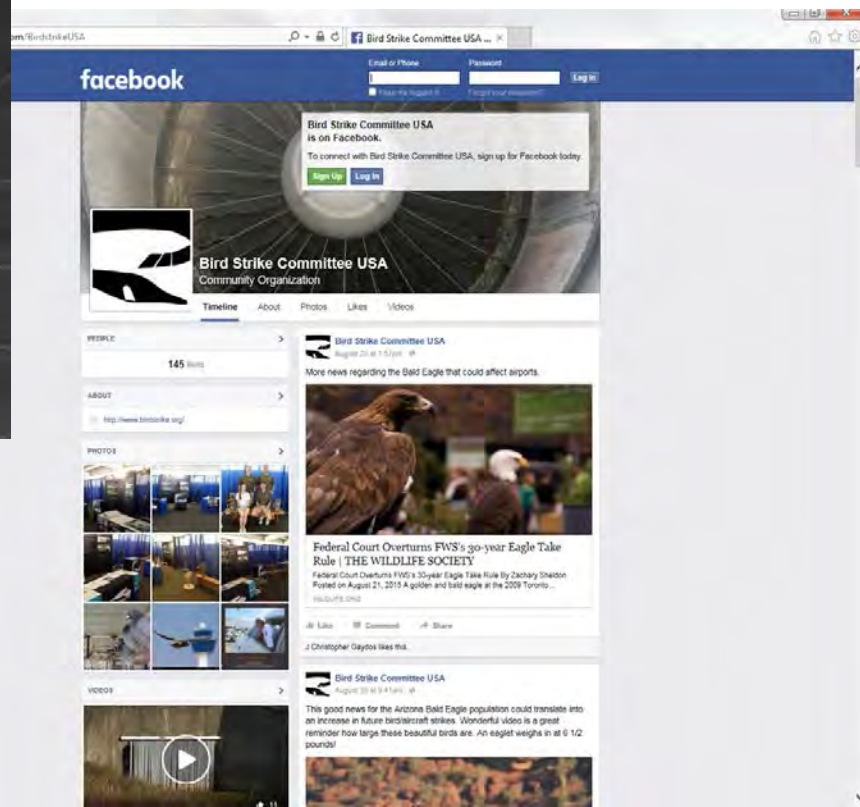
Poster and Photo contest Entry deadline September 1

2015 NORTH AMERICAN BIRD STRIKE CONFERENCE SEPTEMBER 15-17, 2015 | MONTREAL, QUEBEC | CANADA

Bird and other wildlife strikes to aircraft are estimated to cause over \$900 million in damage to U.S. civil and military aviation annually. Furthermore, these strikes put the lives of aircraft crew members and their passengers at risk: over 250 people have been killed worldwide as a result of wildlife strikes since 1988.

News & Announcements **BSC Newsletters & Docs** **Upcoming Events**

- FAA/USDA Serial Report 2.1 Just
- Check out the Spring/Summer 2015
- Australian Aviation Wildlife Hazard Group Forum Save the Date November 5&6



facebook

Email or Phone: Password: [Log In](#)

Bird Strike Committee USA is on Facebook.
To connect with Bird Strike Committee USA, sign up for Facebook today.
[Sign Up](#) [Log In](#)

Bird Strike Committee USA
Community Organization

Timeline About Photos Likes Videos

145 likes

ABOUT

<http://www.birdstrike.org/>

PHOTOS

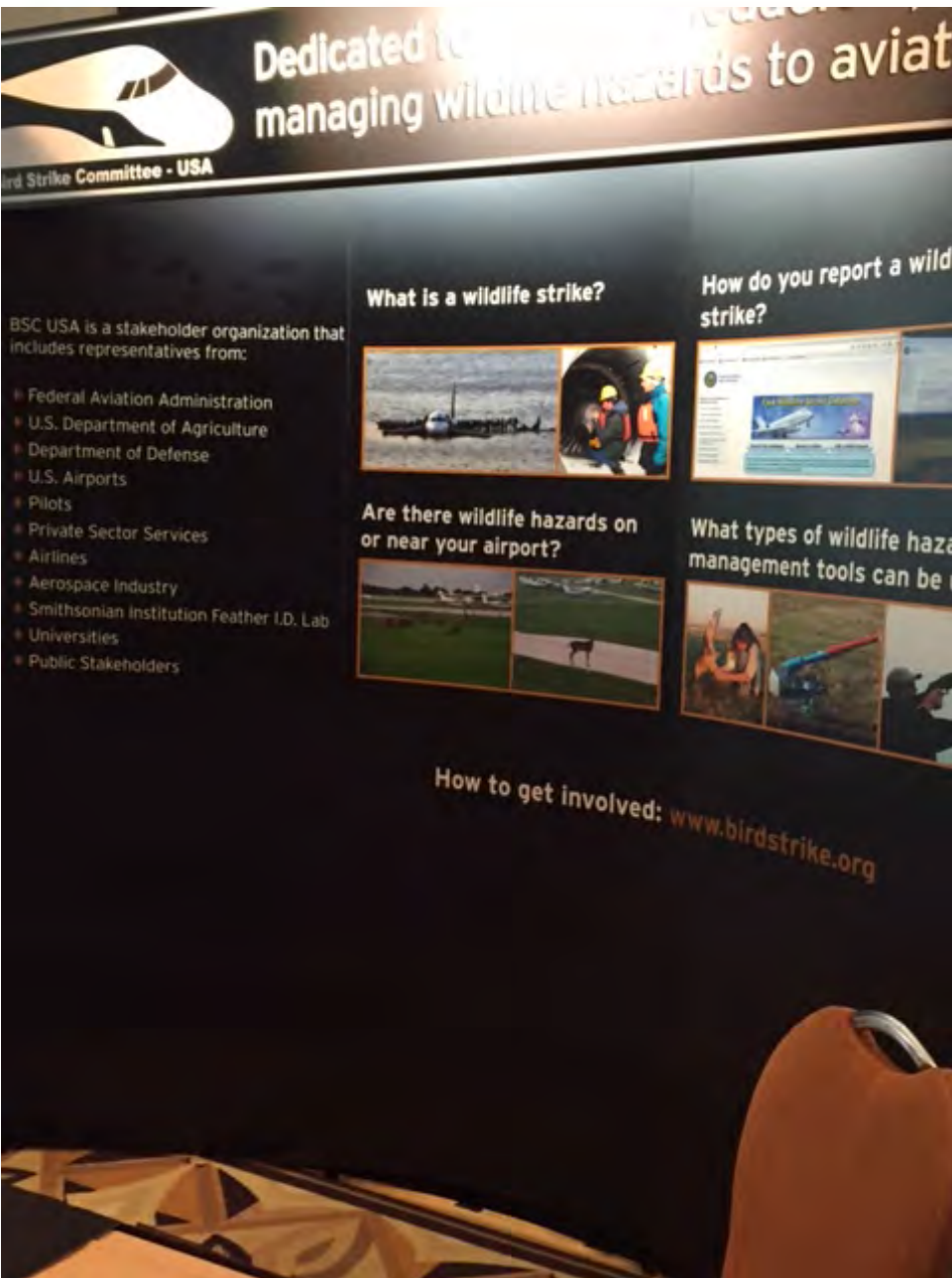
Federal Court Overturns FWS's 30-year Eagle Take Rule | THE WILDLIFE SOCIETY
Federal Court Overturns FWS's 30-year Eagle Take Rule By Zachary Sheldon
Posted on August 21, 2015 A golden and bald eagle in the 2009 Toronto...
[View photo](#)

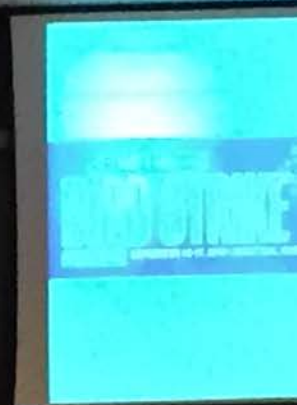
VIDEOS

Bird Strike Committee USA
This good news for the Arizona Bald Eagle population could translate into an increase in future bird/aircraft strikes. Wonderful video is a great reminder how large these beautiful birds are. An eaglet weighs in at 6 1/2 pounds!



- International conference, 19 nations represented
- Strike report analysis update
- 3D and biomass avian radar advances for detection/Laser/radio controlled propane for harassment
- GIS based data collection
- Non-lethal methods
- Raptor management/Falcons- solution or problem?
- KPIs- Key Performance Indicators
- My own collaborations
 - NextGen research
 - Comprehensive SMS wildlife element
 - Follow up on issues at NC airports
 - Taking our program to the next level











HAWK MANOR FALCONRY

and Bird Abatement Company

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What We are All About

Hawk Manor Falconry is a company who's foundation was, and is, built around the oldest sport known to man: *Falconry* (the art/sport of training and hunting with birds of prey).

Bird abatement (the detouring / removal of nuisance birds) being the major part of the buisness, Hawk Manor Falconry also



QUESTIONS?

jmfuller@ncdot.gov

919.814.0560



ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

BOARD OF TRANSPORTATION OCTOBER 7, 2015

TIME: 3:30 PM

LOCATION: 160

TOPIC	PRESENTER	TIME
Trooper Clarence Luther Swartz – Bridge on Oleander Drive over Bradley Creek, New Hanover County , Div 3 (Fountain)	Leigh Wing	5 min
Maco Light Freeway – NC 140, from US 17 to US 74/76, Brunswick County, Div. 3 (Fountain)	Leigh Wing	5 min
Other Business	Leigh Wing	20 min