



Transportation

MEETING AGENDA (UPDATED 4/4/16)
Monthly Meeting of the North Carolina Board of Transportation
 1 South Wilmington Street Raleigh, North Carolina 27601
April 6-7, 2016

WEDNESDAY, APRIL 6, 2016

10:30AM – 12:00PM

Multi-Modal Committee	EIC
Highway Committee	Room 150

12:00PM

LUNCH IS AVAILABLE

12:00PM – 12:15PM

BREAK

Room 150

12:15PM

Working Lunch – Full Board Attendance

Remarks from Colonel Kevin P. Landers, Sr.	Commander, US Army Corps of Engineers, Wilmington District
North Carolina Demographic Trends through 2035	Rebecca Tippett, Director, Carolina Demography, Carolina Population Center, UNC
Statement of Economic Interest (SEI) Reminder	Shelley Blake
NCDOT Report (Efficiency)	Mike Holder
NCDOT Report Metrics	Eric Boyette/Mike Holder
Chief Financial Officer Update	David Tyeryar
Comprehensive Transportation Plan Updates	Patrick Norman
Highway Maintenance Improvement Program	Randy Finger
Scenic By-Ways	Connie Morgan

2:00PM – 2:15PM

BREAK

2:15PM – 3:15PM

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

3:15PM – 3:45PM

Road, Bridge, Ferry Naming Committee	Room 160
--------------------------------------	----------

3:45pm – 5:00pm

General Meeting Time	Various Locations
----------------------	-------------------

NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

- Call to Order
- Invocation
- Ethics Declaration
- Approval of March Board Meeting Minutes
- Secretary’s Remarks

Chairman Curran
 Gus Tulloss
 Chairman Curran
 Chairman Curran
 Secretary Tennyson

INFORMATION AND DELEGATED AUTHORITY

- (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

2015 Wildflower Award
 Legislative Update
 Product Evaluation Program: Awareness Update / New Products

Don Lee
 Mary Jernigan
 Natalie Roskam /Jessica Kuse

ACTION

- Scenic By-Ways
- Highway Maintenance Improvement Program

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 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 T) Submission of Comprehensive Transportation Plans for Adoption

Committee Reports

Chairman Curran

Other Business

Adjourn

PROJECTS LIST
NORTH CAROLINA BOARD OF TRANSPORTATION
RALEIGH, NORTH CAROLINA
April 6-7, 2016

Delegated Authority Secretary Tennyson

- (Item C) Award of Highway Construction Contracts from March 15, 2016 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 **(No Item this month)**
 - (Item I-4) Aviation **(No Item this month)**
- (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 2016-2025 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes **(No Item this month)**
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations **(No Item this month)**
- (Item T) Submission of Comprehensive Transportation Plans for Mutual
Adoption by the Board of Transportation

NCDOT Board of Transportation Agenda

ITEM C

March 2016

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.
MARCH 15, 2016
DIVISION 00002

PAGE : 1 of 16
ITEM C

C203834
2016CPT.02.04.10741.2, 2016CPT.02.07.10741.5, 2016CPT.04.09.10331.1
STATE FUNDED
PITT, EDGEcombe

PROPOSAL LENGTH 12.060 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION US-13/NC-11 FROM NC-903 TO 1180 FT NORTH OF BRIDGE #383.

EST CONST PROGRESS.... FY-2017..100% OF BID

RPN 001 3 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%
ESTIMATE 3,669,818.07

DATE AVAILABLE JUL 01 2016

INTER COMPLETION NOV 30 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION FEB 28 2017

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	3,418,649.90	-6.8
S. T. WOOTEN CORPORATION WILSON, NC	3,715,481.62	+1.2
ROSE BROTHERS PAVING CO INC AHOSKIE, NC	3,755,502.65	+2.3

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00002

PAGE : 2 of 16
ITEM C

C203775
2016CPT.02.27.20071.3, 46000.3.2
STATE FUNDED
BEAUFORT
B-5300

PROPOSAL LENGTH 5.002 MILES

TYPE OF WORK RESURFACING, GRADING, DRAINAGE, PAVING, & STRUCTURE.

LOCATION BRIDGE OVER PANTEGO CREEK ON US-264 AND OFF-SITE DETOUR INCLUDES SR-1625,
SR-1626, AND SR-1621.

EST CONST PROGRESS.... FY-2016..38% OF BID
FY-2017..62% OF BID

RPN 002 5 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 3.00%
ESTIMATE 2,130,752.91

DATE AVAILABLE APR 25 2016

INTER COMPLETION DEC 16 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION JUN 14 2017

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	2,086,430.84	-2.1
PALMETTO INFRASTRUCTURE INC GREENVILLE, SC	2,159,016.60	+1.3
DELLINGER, INC. MONROE, NC	2,205,150.00	+3.5
DANE CONSTRUCTION, INC. MOORESVILLE, NC	2,221,825.00	+4.3
T. A. LOVING COMPANY GOLDSBORO, NC	2,244,845.00	+5.4

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00004

PAGE : 3 of 16
ITEM C

C203784
53025.3.1
NHPP-0095(24)97
JOHNSTON
I-5784

PROPOSAL LENGTH 12.800 MILES

TYPE OF WORK PAVEMENT REHAB, BRIDGE APPROACH REPAIR, AND JOINT REPAIR.

LOCATION I-95 FROM MILE MARKER 84 TO 0.4 MILES NORTH OF US-70 BYPASS.

EST CONST PROGRESS.... FY-2016..54% OF BID
FY-2017..46% OF BID

RPN 003 2 BIDDER(S) DBE GOAL 8.00 %

ESTIMATE 10,751,492.72

DATE AVAILABLE APR 25 2016

FINAL COMPLETION SEP 30 2016

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	11,024,727.41	+2.5
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	12,807,368.85	+19.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00005

PAGE : 4 of 16
ITEM C

C203835
2016CPT.05.07.10391.1, 2016CPT.05.07.20391.1
STATE FUNDED
GRANVILLE

PROPOSAL LENGTH 35.856 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION US-158 FROM SR-1306 TO US-158 BUSINESS, NC-50 FROM WAKE COUNTY LINE TO NC-56,
AND 16 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2016..40% OF BID
FY-2017..60% OF BID

RPN 004 4 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%
ESTIMATE 4,315,095.84

DATE AVAILABLE APR 25 2016

FINAL COMPLETION NOV 30 2016

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC	4,176,801.92	-3.2
S. T. WOOTEN CORPORATION WILSON, NC	4,573,577.69	+6.0
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	4,734,790.83	+9.7
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	4,742,386.60	+9.9

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00006

PAGE : 5 of 16
ITEM C

C203818
53028.3.1
NHPIM-0095(018)63
CUMBERLAND, HARNETT
I-5788

PROPOSAL LENGTH 24.996 MILES

TYPE OF WORK DRAINAGE, PAVEMENT REHABILITATION, AND BRG REHABILITATION.

LOCATION I-95 FROM NORTH OF NC-24 (MP-53) TO JOHNSTON COUNTY LINE (MP-78).

EST CONST PROGRESS.... FY-2016..16% OF BID
FY-2017..73% OF BID
FY-2018..11% OF BID

RPN 005 3 BIDDER(S) DBE GOAL 9.00 %
ESTIMATE 19,253,268.38

DATE AVAILABLE APR 25 2016

FINAL COMPLETION OCT 15 2017

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	19,967,476.22	+3.7
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	20,881,831.18	+8.5
HIGHLAND PAVING COMPANY LLC FAYETTEVILLE, NC	22,338,820.03	+16.0

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00007

PAGE : 6 of 16
ITEM C

C203782
46264.3.FS1, 53042.3.1
IMPM-040-3(134)219, NHPIM-0040(10)148
ALAMANCE
I-5309, I-5836

PROPOSAL LENGTH 8.658 MILES

TYPE OF WORK PAVEMENT AND BRIDGE REHABILITATION.

LOCATION I-40/I-85 FROM EAST OF THE GUILFORD COUNTY LINE TO 0.2 MILES EAST OF NC-54 IN GRAHAM.

EST CONST PROGRESS.... FY-2016..16% OF BID
FY-2017..69% OF BID
FY-2018..15% OF BID

RPN 006 2 BIDDER(S) DBE GOAL 4.00 %
ESTIMATE 12,189,537.64

DATE AVAILABLE APR 25 2016

FINAL COMPLETION NOV 30 2017

	\$ TOTALS	% DIFF
APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION GREENSBORO, NC	11,966,430.84	-1.8
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	14,448,836.36	+18.5

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00007

PAGE : 7 of 16
ITEM C

C203785
53030.3.1, 53059.3.1
NHPIM-0085(4), NHPIM-0085(8)
GUILFORD
I-5790, I-5855

PROPOSAL LENGTH 8.771 MILES

TYPE OF WORK PAVEMENT AND BRIDGE REHABILITATION.

LOCATION I-85 FROM SOUTH ELM EUGENE STREET TO I-40 IN GREENSBORO.

EST CONST PROGRESS.... FY-2016..18% OF BID
FY-2017..74% OF BID
FY-2018..08% OF BID

RPN 007 3 BIDDER(S) DBE GOAL 4.00 %
ESTIMATE 8,138,828.39

DATE AVAILABLE MAY 02 2016

FINAL COMPLETION SEP 15 2017

	\$ TOTALS	% DIFF
PENHALL COMPANY ANAHEIM, CA	10,358,599.85	+27.3
INTERSTATE IMPROVEMENT, INC. FARIBAULT, MN	10,899,920.19	+33.9
APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION GREENSBORO, NC	14,989,010.00	+84.2

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00008

PAGE : 8 of 16
ITEM C

C203674
42286.3.FD1
BRZ-1404(12)
RANDOLPH
B-5128

PROPOSAL LENGTH 0.099 MILES

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

LOCATION BRIDGE #58 OVER TRIBUTARY OF LITTLE UWHARRIE RIVER ON SR-1404.

EST CONST PROGRESS.... FY-2016..58% OF BID
FY-2017..42% OF BID

RPN 008 5 BIDDER(S) DBE GOAL 6.00 %

ESTIMATE 416,016.70

DATE AVAILABLE APR 25 2016

INTER COMPLETION SEP 15 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION MAR 14 2017

	\$ TOTALS	% DIFF
MOUNTAIN CREEK CONTRACTORS INC CATAWBA, NC	465,573.55	+11.9
COUNTRY BOY LANDSCAPING INC HARMONY, NC	507,777.77	+22.1
DANE CONSTRUCTION, INC. MOORESVILLE, NC	520,055.75	+25.0
D.H. GRIFFIN INFRASTRUCTURE, LLC GREENSBORO, NC	520,616.26	+25.1
THUNDER CONTRACTING, INC. WAYNESVILLE, NC	616,882.15	+48.3

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00008

PAGE : 9 of 16
ITEM C

C203833

2016CPT.08.10.10531, 2016CPT.08.10.10631, 2016CPT.08.10.20531, 2016CPT.08.10.20631

STATE FUNDED

LEE, MOORE

PROPOSAL LENGTH 26.047 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION US-1 FROM SR-1731 TO MOORE COUNTY LINE, US-1 FROM CRAINS CREEK TO CRYSTAL LAKE RD, AND 6 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2016..40% OF BID
FY-2017..60% OF BID

RPN 009 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%
ESTIMATE 4,050,724.70

DATE AVAILABLE APR 25 2016

FINAL COMPLETION NOV 30 2016

	\$ TOTALS	% DIFF
RILEY PAVING INC CARTHAGE, NC	3,626,756.06	-10.5
S. T. WOOTEN CORPORATION WILSON, NC	4,264,750.15	+5.3

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00008

PAGE : 10 of 16
ITEM C

C203832
2016CPT.08.11.10771, 2016CPT.08.11.20621, 2016CPT.08.11.20771
STATE FUNDED
RICHMOND, MONTGOMERY

PROPOSAL LENGTH 10.081 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION 1 SECTION OF US-1 AND 4 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2016..40% OF BID
FY-2017..60% OF BID

RPN 010 3 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%
ESTIMATE 1,491,937.55

DATE AVAILABLE APR 25 2016

FINAL COMPLETION NOV 30 2016

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	1,372,679.67	-8.0
HUDSON PAVING, INC. ROCKINGHAM, NC	1,377,164.55	-7.7
RILEY PAVING INC CARTHAGE, NC	1,454,012.30	-2.5

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00008

PAGE : 11 of 16
ITEM C

C203837
2016CPT.08.12.10831, 2016CPT.08.12.20471, 2016CPT.08.12.20831
STATE FUNDED
SCOTLAND, HOKE

PROPOSAL LENGTH 10.543 MILES

TYPE OF WORK MILLING, WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.

LOCATION US-401 FROM DIVIDED HIGHWAY TO SR-1424, US-401 FROM SR-1407 TO LUMBER RIVER BRIDGE, AND 4 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2016..40% OF BID
FY-2017..60% OF BID

RPN 011 2 BIDDER(S) MBE GOAL 4.00 % WBE GOAL 5.00%
ESTIMATE 1,608,016.85

DATE AVAILABLE APR 25 2016

FINAL COMPLETION NOV 30 2016

	\$ TOTALS	% DIFF
HUDSON PAVING, INC. ROCKINGHAM, NC	1,594,222.76	-0.9
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	1,706,420.10	+6.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00008

PAGE : 12 of 16
ITEM C

C203838
2016CPT.08.13.10191, 2016CPT.08.13.10761, 36249.3537
STATE FUNDED
CHATHAM, RANDOLPH

PROPOSAL LENGTH 7.829 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION NC-22/42 FROM SR-2893 IN RANDOLPH COUNTY TO MOORE COUNTY LINE IN CHATHAM COUNTY AND 1 SECTION OF SECONDARY ROAD.

EST CONST PROGRESS.... FY-2016..40% OF BID
FY-2017..60% OF BID

RPN 012 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 4.00%
ESTIMATE 1,112,356.95

DATE AVAILABLE APR 25 2016

FINAL COMPLETION NOV 30 2016

	\$ TOTALS	% DIFF
RILEY PAVING INC CARTHAGE, NC	979,707.60	-11.9
S. T. WOOTEN CORPORATION WILSON, NC	1,220,518.84	+9.7

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00009

PAGE : 13 of 16
ITEM C

C203853
52022.3.1
NHPP-0085(22)
ROWAN
I-5741

PROPOSAL LENGTH 1.157 MILES

TYPE OF WORK DRAINAGE, PAVEMENT REHABILITATION, AND BRIDGE PRESERVATION.

LOCATION I-85 FROM US-601(JAKE ALEXANDER BOULEVARD) TO 0.5 MILE SOUTH OF US-52 (INNES STREET) IN SALISBURY.

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

RPN 016 3 BIDDER(S) DBE GOAL 0.00 %

ESTIMATE 2,084,890.60

DATE AVAILABLE APR 25 2016

FINAL COMPLETION OCT 30 2016

	\$ TOTALS	% DIFF
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	2,216,864.45	+6.3
HRI INC DBA HRI BRIDGE COMPANY STATE COLLEGE, PA	2,299,465.50	+10.3
AMERICAN CONTRACTING & SERVICES INC JEFFERSONVILLE, IN	2,706,641.17	+29.8

HIGHWAY LETTING
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH N.C.
 MARCH 15, 2016
 DIVISION 00012

C203673
 38523.3.2
 STATE FUNDED
 GASTON
 B-4751

PROPOSAL LENGTH 0.079 MILES
 TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.
 LOCATION BRIDGE #203 OVER STANLEY CREEK ON SR-1935.

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

RPN 013 6 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 4.00%
ESTIMATE 677,167.43

DATE AVAILABLE APR 25 2016
 INTER COMPLETION NOV 01 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
 PERMANENT VEGETATION ESTABLISHMENT
 FINAL COMPLETION APR 30 2017

	\$ TOTALS	% DIFF
TCB BUILDERS, LLC LEXINGTON, NC	575,682.56	-15.0
COUNTRY BOY LANDSCAPING INC HARMONY, NC	586,888.88	-13.3
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	595,292.01	-12.1
DANE CONSTRUCTION, INC. MOORESVILLE, NC	618,211.20	-8.7
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	669,581.26	-1.1
LEE CONSTRUCTION COMPANY OF THE CAROLINAS, INC. PINEVILLE, NC	927,212.76	+36.9

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00012

PAGE : 15 of 16
ITEM C

C203823
2017CPT.12.06.10551, 2017CPT.12.06.20551
STATE FUNDED
LINCOLN

PROPOSAL LENGTH 27.770 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION US-321 FROM HIGH SHOALS BRIDGE TO NC-27/NC-150, 1 SECT OF US-321 BUS, 1 SECT OF NC-150, AND 46 SECT OF SECONDARY RDS.

EST CONST PROGRESS.... FY-2016..25% OF BID
FY-2017..75% OF BID

RPN 014 4 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 4.00%
ESTIMATE 3,960,248.98

DATE AVAILABLE MAY 02 2016

FINAL COMPLETION APR 28 2017

	\$ TOTALS	% DIFF
MIDSTATE CONTRACTORS, INC. HICKORY, NC	3,615,842.00	-8.7
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	4,018,397.25	+1.5
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	4,322,865.89	+9.2
THE LANE CONSTRUCTION CORP CHESHIRE, CT	5,032,504.55	+27.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 15, 2016
DIVISION 00014

PAGE : 16 of 16
ITEM C

C203762
52036.3.1, 52037.3.1
NHPP-0026(002)40, NHPP-0026(006)21
HENDERSON
I-5758, I-5759

PROPOSAL LENGTH 10.119 MILES

TYPE OF WORK PAVEMENT & BRIDGE REHABILITATION.

LOCATION I-26 FROM MILE MARKER 40 TO MILE MARKER 50.

EST CONST PROGRESS.... FY-2016..18% OF BID
FY-2017..73% OF BID
FY-2018..09% OF BID

RPN 015 2 BIDDER(S) DBE GOAL 2.00 %
ESTIMATE 11,556,943.00

DATE AVAILABLE APR 25 2016

FINAL COMPLETION OCT 01 2017

	\$ TOTALS	% DIFF
HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC KNC	12,573,325.84	+8.8
GLF CONSTRUCTION CORPORATION MIAMI, FL	12,941,708.70	+12.0

ESTIMATE TOTAL	87,407,096.71	
LETTING TOTAL	90,019,771.47	+3.0

**NCDOT April 2016
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

Technical Services

Project Development and Environmental Analysis – Project Development

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

DIVISION 2

Project:	50111.1.1 (U-5713) Craven County US 70 from the Neuse River Bridge to SR 1124 (Grantham Road) in New Bern
Scope of Work:	Preparation of environmental documents, natural systems surveys, public involvement, community impact assessments, traffic noise, air quality studies and preliminary roadway design
Estimated Construction Cost:	\$40,000,000.00
Firm:	Three Oaks Engineering, Inc., Durham, NC
Original Engineering Fee:	\$950,000.00
Supplemental Fee:	\$700,000.00
Supplemental Work:	Additional public Involvement, preparation of the EA/FONSI
DBE/WBE/SPSF Utilization:	100%

DIVISIONS 4 & 5

Project:	37673.1.TA2, 35516.1.TA2, 35517.1.TA1 (R- 2721, R-2828 and R-2829) Wake and Johnston Counties
Scope of Work:	Triangle Expressway Southeast Extension Project development, environmental, and engineering services
Estimated Construction Cost:	\$1,519,000,000.00
Firm:	H. W. Lochner, Inc., Raleigh, NC
Original Engineering Fee:	\$ 263,930.72
Previous Supplemental Fee:	\$11,700,000.00
Supplemental Fee:	\$ 5,500,000.00
Supplemental Work:	Preliminary designs for the Preferred Alternative, preparation of the Final EIS, preparation of the Record of Decision
SPSF Utilization:	0%

April 7, 2016

DIVISION 13

Project: 34165.1.2 (I-2513) Buncombe County
Asheville – I-240 and New Route from I-26 to
US 19-23-70

Description of supplemental work: Updating technical studies and preliminary
design, and preparing a Final Environmental
Impact Statement and Record of Decision

Firm: AECOM Technical Services of North Carolina,
Inc., Raleigh, NC

Original Engineering Fee: \$1,150,000.00
Previous Supplemental Fee: \$2,800,000.00
Supplemental Fee: \$ 500,000.00
SPSF Utilization: 0%

Project Development and Environmental Analysis – Natural 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 to provide Bat Surveys and Monitoring Services on an as needed basis for various federal-aid and state funded projects to support the Natural Environment Section. These contracts will expire three (3) years (with one (1) one-year extension possible) after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work: 2016 Bat Surveys & Monitoring LSC
Firm: Ecological Engineering, LLP, Cary, NC
Maximum Engineering Fee: \$2,000,000.00
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2016 Bat Surveys & Monitoring LSC
Firm: Copperhead Environmental Consulting, Inc.,
Paint Lick, Kentucky
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Description of Work: 2016 Bat Surveys & Monitoring LSC
Firm: Stantec Consulting Services, Inc., Raleigh, NC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization : 0%

Description of Work: 2016 Bat Surveys & Monitoring LSC
Firm: CALYX Engineers & Consultants, Raleigh, NC
(formerly Mulkey Engineers & Consultants)
Maximum Engineering Fee: \$2,000,000.00
DBE/WBE/SPSF Utilization: 100%

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 projects. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

DIVISION 6

Project:	33727.1.1 (B-4490) Cumberland County Replace Bridge 116 over CSX Railroad, Norfolk Southern Railroad, and Hillsboro Street on NC 24-210 (Rowan Street)
Scope of Work:	Roadway Design
Estimated Construction Cost:	\$18,000,000.00
Firm:	Parsons Brinckerhoff, Inc., Raleigh, NC
Original Engineering Fee:	\$104,550.13
Previous Supplemental Fee:	\$ 39,347.13
Supplemental Fee:	\$ 6,548.64
Supplemental Work:	Revise -Y3- (Murchison Road) to tie to the improvement of the existing road at the new Parkview Condo complex
SPSF Utilization:	0%

DIVISION 7

Project:	34820.1.2 (U-2524D) Guilford County Greensboro Western Loop from US 220 (Battleground Ave.) to SR 2303 (Lawndale Dr.)
Scope of Work:	Roadway Design
Estimated Construction Cost:	\$60,100,000.00
Firm:	Parsons Transportation Group, Raleigh, NC
Original Engineering Fee:	\$96,076.36
Previous Supplemental Fee:	\$57,286.78
Supplemental Fee:	\$17,506.12
Supplemental Work:	Roadway Design for creating detour alignments for -Y6- and -Y8-, revising the pedestrian bridge, structure recommendations and typical section
SPSF Utilization:	0%

DIVISION 12

Project: 34497.1.4 (R-2707C) Cleveland County
US 74 Bypass from west of NC 226 to west of
NC 150

Scope of Work: Roadway Design

Estimated Construction Cost: \$64,000,000.00

Firm: Moffatt & Nichol, Inc., Raleigh, NC

Original Engineering Fee: \$107,399.49

Previous Supplemental Fee: \$196,237.54

Supplemental Fee: \$22,454.69

Supplemental Work: NC 180 Study (over -L- instead of under), -Y9-
Detour redesign, Value Engineering Study
Project History, Wall Envelopes

SPSF Utilization: 0%

Transit

Aviation

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

STATEWIDE

Project: 36246.98 Statewide
Sole Source Contract for continuation of
cultural resources element of the NC Airports
System Plan

Scope of Work: Comprehensive cultural resources and
environmental background study,
inventory and sensitivity review for the NC
Airports System Plan to improve management
of historic properties and other environmental
resources for certain NC airports

Firm: TRC Environmental Corporation, Pittsburgh,
Pennsylvania

Maximum Engineering Fee: \$160,000.00

SPSF Utilization: 0%

Chief Engineer

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

DIVISION 1

Project:	32635.3.5 (B-2500) Dare County Replace Bridge 11 Over the Oregon Inlet on NC 12
Scope of Work:	Construction Engineering and Inspection Services
Estimated Construction Cost:	\$181,316,000.00
Firm:	Parsons Brinckerhoff, Inc., Raleigh, NC
Maximum Engineering Fee:	\$14,500,000.00
DBE/WBE/SPSF Utilization:	SKS Engineering & Planning, Inc. \$1,160,000.00 8%

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:	\$67,776,000.00
Firm:	Kisinger Campo & Associates, Corp., Kannapolis, NC
Original Engineering Fee:	\$10,000,000.00
Previous Supplemental Fee:	\$ 1,095,000.00
Supplemental Fee:	\$ 150,000.00
Supplemental Work:	Construction Engineering and Inspection Services
SPSF Utilization:	0%

Field Support

Right of Way

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

DIVISION 3

Project:	41582.2.2 (R-5021) Brunswick County NC 211 from SR 1500 (Midway Road) to NC 87
Scope of Work:	Right of Way acquisition, negotiations, legal, appraisal and relocation assistance
Estimated Construction Cost:	\$58,200,000.00
Firm:	Carolina Land Acquisitions, Inc., Zebulon, NC
Maximum Engineering Fee:	\$1,450,829.00
SPSF Utilization:	100%

Roadside Environmental

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 to provide UST Environmental Services (Hazardous Waste Site Analysis and Remediation) on an as needed basis for various federal-aid and state funded projects to support the Roadside Environmental Unit. These contracts will expire two (2) years (with two (2) annual extensions possible) after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work:	2016 UST Environmental Services
Firm:	AMEC Foster Wheeler Environment & Infrastructure, Inc., Durham, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%

Description of Work:	2016 UST Environmental Services
Firm:	ATC Associates of North Carolina, PC, Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%

Description of Work:	2016 UST Environmental Services
Firm:	Catlin Engineers and Scientists, Wilmington, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%

Description of Work: 2016 UST Environmental Services
Firm: Hart & Hickman, PC, Charlotte, NC
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: 0%

Description of Work: 2016 UST Environmental Services
Firm: Terracon Consultants, Inc., Raleigh, NC
Maximum Engineering Fee: \$500,000.00
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 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 14

Project: 41534.1.1 (K-5002) Haywood County
US 23/US 74 - Southbound Rest Area on new location and renovate the existing Northbound Rest Area

Scope of Work: Rest Area Design and Renovation
Estimated Construction Cost: \$6,400,000.00
Firm: Weeks Turner Architecture, PA, Raleigh, NC
Original Engineering Fee: \$94,013.80
Supplemental Fee: \$24,709.00
Supplemental Work: Additional project management time and expense due to construction contractor project extension

SPSF Utilization: 0%

Turnpike Authority

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: On-Call Services for the North Carolina Turnpike Authority
Firm: HNTB North Carolina, PC, Raleigh, NC
Original Engineering Fee: \$ 4,000,000.00
Previous Supplemental Fee: \$16,608,000.00
Supplemental Fee: \$ 4,000,000.00 and two (2) year time extension
SPSF Utilization: 0%

April 7, 2016

Planning & Programming

Transportation Planning

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 Traffic Forecasting Studies on an as needed basis for various federal-aid and state funded projects to support the Transportation Planning Branch. 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:	2016 Traffic Forecasting LSC
Firm:	AECOM Technical Services of North Carolina, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	Clearbox Forecast Group, PLLC \$50,000.00 10%

Description of Work:	2016 Traffic Forecasting LSC
Firm:	Atkins North America, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	Clearbox Forecast Group, PLLC \$50,000.00 10%
SPSF Utilization:	Patriot Transportation Engineering, PLLC \$75,000.00 15%
DBE/WBE/SPSF Utilization:	Peggy Malone & Associates, Inc. \$50,000.00 10%

Description of Work:	2016 Traffic Forecasting LSC
Firm:	CDM Smith, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	The Traffic Group, Inc. \$25,000.00 5%

Description of Work:	2016 Traffic Forecasting LSC
Firm:	Hatch Mott MacDonald I&E, LLC, Fuquay-Varina, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	Clearbox Forecast Group, PLLC \$20,000.00 4%

Description of Work: 2016 Traffic Forecasting LSC
Firm: HNTB of North Carolina, PC, Raleigh, NC
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: Clearbox Forecast Group, PLLC \$50,000.00
10%

Description of Work: 2016 Traffic Forecasting LSC
Firm: Kimley-Horn & Associates, Inc., Raleigh, NC
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: Clearbox Forecast Group, PLLC \$25,000.00
5%

Description of Work: 2016 Traffic Forecasting LSC
Firm: Parsons Brinckerhoff, Inc., Raleigh, NC
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: 0%

Description of Work: 2016 Traffic Forecasting LSC
Firm: Patriot Transportation Engineering, PLLC,
Raleigh, NC
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: 100%

Description of Work: 2016 Traffic Forecasting LSC
Firm: RS&H Architects-Engineers-Planners, Inc.,
Charlotte, NC
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: Clearbox Forecast Group, PLLC \$75,000.00
15%

Description of Work: 2016 Traffic Forecasting LSC
Firm: SEPI Engineering & Construction, Inc.,
Raleigh, NC
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: 0%

Description of Work: 2016 Traffic Forecasting LSC
Firm: VHB Engineering NC, PC, Watertown,
Massachusetts
Maximum Engineering Fee: \$500,000.00
SPSF Utilization: J. M. Teague Engineering, PLLC \$25,000.00
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 a private firm for Development of The North Carolina Statewide Multi-Modal Freight Plan for our Department to obligate available funds. Our staff was authorized to proceed with the actions required to employ private engineering firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

Project:	44534.1.1 (M-0500) Statewide Freight Plan
Scope of Work:	Development of The North Carolina Statewide Multi-Modal Freight Plan
Firm:	Cambridge Systematics, Inc., Cambridge, Massachusetts
Maximum Engineering Fee:	\$1,907,570.50
DBE/MBE/SPSF Utilization:	Baseline Mobility Group, Inc. \$62,424.00 3%

NCDOT April 2016 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./ Road Name	Description	Amount
Vance Div. 5	SR 1298 Gwynn Pond Lake Road	GDB&P. Increase Funds. WBS 5C.091045	\$80,000.00

Deletions

County	SR No.	Reason	Amount
Brunswick Div. 3	SR 1530 Orton Road	Various Repairs. Funded By Another Source. WBS 42525	-\$100,000.00

March 2016 Item E Summary:

1	Projects to Increase Funds	Amount:	\$80,000.00
0	Projects to Increase and Close	Amount:	\$0.00
1	Projects to Delete	Amount:	-\$100,000.00

NCDOT April 2016 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 4				
Johnston	51027	0.11 0.28	Timberlake Subdivision Lauderdale Drive Fontana Drive	2/15/16
Johnston	51028	0.20 0.19 0.12	Branch Woods Subdivision Buckeye Trail Linden Court Cinnecord Place	9/30/15
Division 5				
Wake	51029	0.31 0.24 0.23 0.02 0.26 0.12 0.07	Old Milburnie Crossing Subdivision Bunting Drive McGrath Way Glengrove Road Steams Court Kennington Park Drive Bloomfield Way Vailwood Court	2/11/16
Wake	51030	0.07	Heritage Point Subdivision Customs House Court	1/26/16
Wake	51031	0.18 0.53 0.06	Estates at Smith Crossing Subdivision Greythorne Place Font Hills Lane Tadmire Lane	2/15/16
Wake	51032	0.21	Deep Run Estates Subdivision Turning Brook Lane	2/2/16
Division 7				
Guilford	51033	0.45	Beacon Hill Subdivision Bostonian Drive	1/29/16
Guilford	51034	0.16	Ellison Estates Subdivision Agatha Drive	12/29/15
Orange	51035	0.06	Birchwood Lake Estates Subdivision Crabapple Lane	10/1/15
Division 10				
Cabarrus	51036	0.33	Bill McGee Road	3/9/16

April 7, 2016

NCDOT April 2016 Board of Transportation Agenda

Deletions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 5				
Wake	51037	0.34	Portion of SR 1942 Oak Grove Church Road	10/21/15
		0.34	Portion of SR 1943 Gilcrest Farm Road	
Division 7				
Rockingham	51038	0.22	Portion of SR 2324 Harned Farm Road	11/20/15
Division 14				
Cherokee	51039	0.023	Portion of SR 1400 Griggs Road	2/15/16

Summary: Number of Roads Petitioned for Addition – 21
Number of Roads Petitioned for Abandonment – 4

**NCDOT APRIL 2016 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 Washington	Design plans for replacement of bridge # 26 on SR 1155 over the Scuppernong River WBS 44614	Contingency <u>TOTAL</u>	\$100,000.00 <u>\$100,000.00</u>
Div 3 Sampson	Place ABC stone and pave in front of new bays at Taylors Bridge Fire Dept on US-421 WBS 44772	Public Access <u>TOTAL</u>	\$25,000.00 <u>\$25,000.00</u>
Div 9 Davidson	Welcome – Intersections improvements on SR 2972 (Industrial Dr) at SR 3010 (Old US-52) WBS 44776	Contingency Small Construction <u>TOTAL</u>	\$10,000.00 \$30,000.00 <u>\$40,000.00</u>
Div 10 Cabarrus	Town of Midland – Construction of a rail spur to serve new facility located off of SR 1119 (Wallace Rd); companion funds to Rail WBS 80000.3.1.7 Other funding: \$200,000 (RIAP) WBS 44774	Econ Development <u>TOTAL</u>	\$122,500.00 <u>\$122,500.00</u>
Div 10 Mecklenburg	Modify intersection to accommodate a left turn from Idlewind Rd onto Stallings Rd; work to include widening, overlay, and pavement markings WBS 44773	Small Construction <u>TOTAL</u>	\$80,000.00 <u>\$80,000.00</u>
Div 11 Yadkin	Town of Boonville – 44462 was established (06/15) for widening, drainage improvements, and improve radii on SR 1367 (River Rd) near NC-67 (East Main St) in Boonville to provide truck access to a new facility Increase funds	Public Access <u>TOTAL</u>	\$25,000.00 <u>\$25,000.00</u>

**NCDOT APRIL 2016 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development**

County	Description	Type	Amount
Div 14 Swain	WBS 43156 was established (03/11) to construct left and right turn lanes on US-19 at the intersection of Goose Creek Rd; scope change to install flashers and warning signs in lieu of turn lane construction Decrease funds	Small Construction <hr/> TOTAL	(\$140,000.00) <hr/> (\$140,000.00)

Deletion:

Div 3, Brunswick – WBS 42525 was established (01/09) to repair SR 1530 (Orton Rd) and SR 1529 (Plantation Rd) by utilizing the reclamation process; funded by alternate source

Summary:	Number of Projects	7
	Number of Divisions	6
	Small Construction Commitment	(\$30,000.00)
	Public Access Commitment	\$50,000.00
	Contingency Commitment	\$110,000.00
	Economic Development	\$122,500.00
	TOTAL	\$252,500.00

Highway Division #	Transportation Demand Management - Rideshare	Estimated Project Cost
3	<p>17-RS-126 City of Wilmington will use funds to target high priority TMD strategies for the Wilmington MPO region. These strategies include: Alternative Work Schedules, Carpool/Vanpool, Development Review, Park & Ride lots, Full-Time TDM Coordinator, Transit Amenities, Bicycle & Pedestrian Infrastructure, and Commuter Transit Routes. Wilmington will follow a plan which outlines specific performance measures, a work plan, priorities, and responsibilities for implementation.</p>	<p>Operating</p> <p>\$120,000 Total \$0 Federal \$60,000 State \$60,000 Local</p>
5 & 7	<p>17-RS-901 Triangle J Council of Governments (TJCOG) is responsible for the overall Triangle TDM Program Planning and administration under contract to the Public Transportation Division. The Triangle 7-Year TDM Plan defines specific activities to enable the Triangle Region reach the state goal of reducing the Vehicle Miles Traveled (VMT) of single occupancy vehicles by 25%. TJCOG is requesting 100% in state funds to perform the administrative functions which include managing technical oversight and partnership committees, finalizing and managing administrative contract arrangement, developing and implementing application and allocation process for target area basic funding, developing and implementing application and allocation process for Competitive Call for Special Projects funding, developing and implementing quarterly and annual reporting process, and professional development of staff for TDM implementation and evaluation.</p>	<p>Operating</p> <p>\$123,000 Total \$0 Federal \$123,000 State \$0 Local</p>
5 & 7	<p>17-RS-901A Triangle J Council of Governments (TJCOG) is requesting funds to support the TDM Programs at North Carolina State University (NCSU), the University of North Carolina at Chapel Hill (UNC), the Durham and Wake Counties Research and Production Service District (SmartCommute@rtp), the Town of Chapel Hill/Carrboro, The City of Raleigh, Triangle Transit (which provides TDM programming for Durham and Wake Counties, and includes the Fortify initiative), Duke University, and Wake Technical Community College. Additionally, funds will support the Triangle J Best Places for Commuters program.</p>	<p>Operating</p> <p>\$1,008,000 Total \$0 Federal \$504,000 State \$504,000 Local</p>

7 **17-RS-120 Piedmont Authority for Regional Transportation (PART)** will use TDM funds to support a wide range of mobility options and benefits for commuters and employers within Alamance, Davie, Davidson, Forsyth, Guilford, Randolph, Rockingham, Stokes, Surry and Yadkin counties. The overall goal of the TDM Program is to reduce the number of Vehicle Miles Traveled (VMT) in a single occupancy vehicle. This is done through a variety of activities including the Regional Call Center, employer outreach and support, vanpool leasing, carpool matching, travel training, guaranteed emergency ride home, Best Workplace for Commuters and the Triad Commute Challenge.

Capital	
\$492,000	Total
\$0	Federal
\$246,000	State
\$246,000	Local

10 **17-RS-102 City of Charlotte** has developed a comprehensive TDM program that will continue to show public transit, vanpool, carpool, biking, walking, and telecommuting as viable alternative forms for transportation to commuting alone. The requested funds will be used to focus on educating the public about specific aspects of TDM that improve their lives, including environmental benefits and safety. Funds will also be used to work with businesses to offer transit benefits, increase membership in the Best Workplace for Commuter designation, as well as increase utilization of transit to the area universities and schools.

Capital	
\$252,000	Total
\$0	Federal
\$126,000	State
\$126,000	Local

13 **17-RS-932 Land of Sky Regional Council of Governments** will use funds to create a part-time (50%) position to re-establish and manage the Region's TDM program. The program will focus on 1) Variety of Services- tailored to the travel needs and preferences of travelers in the region; 2) Marketing – establish a brand and keep that brand fresh in the minds of commuters, employers, and business groups; 3) Partnerships – engagement with individuals and the business sector on a day-to-day basis, in an ongoing relationship.

Operating	
\$90,000	Total
\$0	Federal
\$45,000	State
\$45,000	Local

Amendment to Advanced Technology Grants - State Funded

3 **16-AT-001 - Cape Fear Public Transportation Authority** request for State Advanced Technology Funds to purchase software and licensing for one of the two vendors for an interface system between the farebox collection system and the AVL system for all fixed route vehicles. This amendment adds an additional \$27,053 in State Advanced Technology Grant Funds to the project amount approved for FY 2016. The interface will provide ridership counts at specific stops and demographics at each boarding location. The period of performance will be from July 1, 2015 to June 30, 2016.

Capital	
\$30,059	Total
\$0	Federal
\$27,053	State
\$3,006	Local

Item I-1, 7 Projects, Total Federal/State \$ 1,131,053

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)	FY21 (000)
TT-5207	CARTS	Purchase of Camera System	FUZ	5307		25					
			Local	L		7					
TP-5117	CARTS	TDP	FUZ	5307		96					
			Local	L		24					
TQ-9034	City of Asheville	5310 Traditional Projects	FEPD	5310	183						
			Local	L		46					
TQ-7004	City of Asheville	5310 Administrative Oversight	FEPD	5310	33						
TQ-6951	City of Asheville	5310 Other Projects	FEPD	5310	109						
			Local	L		109					
TH-2000	North Carolina Department of Transportation	Traveler's Aid Program	TAP	S		63					
			Local	L		63					
TO-5212	North Carolina Department of Transportation	Operating Funding for Alamance County Transportation	FUZ	5307	321						
			Local	L		321					

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)
TA-5165	CARTS	Replace 5311 Rural Vehicles with 5307 Vehicles for use in the Urban Area	FUZ	5307	166		110	110	136		
			Local	L		29	20	20	24		
TG-5257	CARTS	ADA/Paratransit	FUZ	5307	48	79	79	79	79		
			Local	L		12	20	20	20	20	
TC-5100	CARTS	Mobility Management	FUZ	5307	24	24	24	24	24		
			Local	L		6	6	6	6	6	
TG-5231	CARTS	Associated Capital	FUZ	5307	10	10	10	10	10		
			Local	L		3	3	3	3	3	
TG-5256	CARTS	Preventative Maintenance	FUZ	5307	36	38	38	38	38		
			Local	L		9	10	10	10	10	
TO-5204	CARTS	Operating Assistance	FUZ	5307	172	152	152	152	152		
			Local	L		172	152	152	152	152	
TP-5122	CARTS	Short Range Planning	FUZ	5307	8	8	8	8	8		
			Local	L		2	2	2	2	2	

TT-5206	CARTS	Lease of Tablets	FUZ	5307	10	10	10	10	10		
			Local	L	2	2	2	2	2		

ADMINISTRATIVE 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)
TA-4990A	Fayetteville Area System of Transit	One Expansion Bus	FBUS	5339	391						
			State	S	35						
			Local	L	35						
TI-6109	North Carolina Department of Transportation	Intercity Bus Service	FNU	5311		4,522					
			State	S		1,004					
			Local	Fares		3,517					
TA-5176	Burlington/ Gibsonville Fixed Route System	Purchase 7 LTV's for Link Transit System (Burlington	FUZ	5307	853						
			Local	L	213						
TG-5258	Burlington/ Gibsonville Fixed Route System	Routine Capital for Start Up support, equipment and pedestrian projects	FUZ	5307	1,878						
			Local	L	469						
TA-5193	GoTriangle	Purchase One Replacement Vehicle	FUZ	5307		380					
			Local	L		95					

Item I-1A, 20 Projects, Total Federal/State funds \$21,070,000

**NCDOT April 2016 Board of Transportation Agenda
Rail Program**

Town/County Division	Project Description	Estimated Cost
Division 1 Washington County	The Rail Division requests reallocation of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds from the previously awarded Ham Produce project that is no longer being pursued, due to lack of industry commitment, approved by the Board of Transportation in May 2014, to a 2,000 foot siding to serve Quality Mats located on CLNA at MP NS Main 151.1 in Plymouth. The new track is needed to accommodate up to 400 carloads per year that will utilize rail access rather than highways. CLNA is responsible for the remaining project costs not covered by the Department. The Department shall participate in 50% of the actual project costs not to exceed \$175,000.	\$175,000
Division 7 Orange County	The Rail Division requests Board approval of additional Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the closure of Gordon Thomas Drive (Crossing No. 735 199Y, MP H 48.49); Greenbriar Drive (Crossing No. 735 197K, MP H 47.74); Byrdsville Drive (Crossing No. 735 189T, MP H 43.89) and Partins Trailer Park (Crossing No. 735 160V, MP H 41.82) near Hillsborough, due to the increased costs for the construction of alternate access. The department will be responsible for the design and construction of the project. NS will be responsible for the construction of the project within their operating right-of-way. The total estimated additional cost to the Department is \$200,000. The total estimated cost of the project has been revised from \$1,100,000 to \$1,300,000.	\$200,000
Division 8 Lee County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for improving an at-grade railroad crossing by installing an asphalt rail seal surface to replace the existing surface on the Atlantic & Western Railway (ATW). The crossing to be improved is 721 049A (SR 1403 Cotton Road). ATW will provide the necessary labor to install the materials. The total estimated cost to the Rail Division is \$17,000.	\$17,000
Division 8 Lee County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for improving an at-grade railroad crossing by installing a concrete surface to replace the existing surface on the Atlantic & Western Railway (ATW). The crossing to be improved is 721 056K (SR 1560 Weatherspoon Road). ATW will provide the necessary labor to install the materials. The total estimated cost to the Rail Division is \$68,000.	\$68,000

Division 14
Swain County

The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for improving an at-grade railroad crossing by installing a concrete surface to replace the existing surface on the Great Smoky Mountain Railway (GSMR). The crossing to be improved is 720 196J (SR 1364 Everett Street). GSMR will provide the necessary labor to install the materials. The total estimated cost to the Rail Division is \$190,000.

\$190,000

ITEM I-2 SUMMARY – 5 PROJECT(S) – (TOTAL FEDERAL AND STATE) \$650,000

NCDOT April 2016 Board of Transportation Agenda

Bike & Pedestrian Program

**Town/County
Division**

Project Description

**Estimated
Cost**

There will be no items presented for approval at the April 7, 2016 Board of Transportation meeting.

ITEM I-3 SUMMARY – NO PROJECTS

NCDOT April 2016 Board of Transportation Agenda

Aviation Division

**Town/County
Division**

Project Description

**Estimated
Cost**

There will be no items presented for approval at the April 7, 2016 Board of Transportation meeting.

ITEM I-4 SUMMARY – NO PROJECTS

NCDOT April 2016 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
Mecklenburg Co. Div. 10 R-2555 DIVISION	WBS 34462.1.1 SR 5544 from NC 73 (Sam Furr Road) to East of SR 2195 (Torrence Chapel Road). \$1,354,473.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$140,000.00
Alleghany Co. Div. 11 R-4060 DIVISION	WBS 34605.1.2 US 21 (Sparta Western Loop) from SR 1172 (Grandview Drive) to US 21. \$1,119,771.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$150,000.00
ITEM J SUMMARY	2 PROJECTS	\$290,000.00

**NCDOT April 2016 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Pitt Co. Div. 2 U-5875 DIVISION	WBS 44677.1.1 SR 1203 (Allen Street) from SR 1467 (Stantonsburg Road) to US 13 (Dickinson Avenue Extension). Initial funds are requested for preliminary engineering.	\$1,000,000.00
Onslow Co. Div. 3 U-5719 STATEWIDE	WBS 50117.2.1 US 258 (Richlands Highway) at SR 1219 (Blue Creek Road)/ SR 1396 (Ridge Road). Initial funds are requested for full right of way and utilities.	\$1,420,450.00
Durham Co. Div. 5 U-5745 REGIONAL	WBS 50166.1.1 NC 751 (Hope Valley Road) at SR 1183 (University Drive) intersection in Durham. \$100,500.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$200,000.00
Fayetteville/ Cumberland Co. Div. 6 U-2519BA REGIONAL	WBS 34817.2.16 Fayetteville Outer Loop from south of SR 1003 (Camden Road) to south of SR 1104 (Strickland Bridge Road). Funds need to decreased (\$800,000.00). WBS will be closed.	-\$800,000.00
Robeson Co. Div. 6 R-5754 DIVISION	WBS 46414.3.1 NC 20 from NC 71 to I-95. Initial funds are requested for construction.	\$2,000,000.00

**NCDOT April 2016 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Alamance Co. Div. 7 U-5538B DIVISION	WBS 44113.1.D2 Access road from SR 1981 (Trollingwood - Hawfields Road) to industrial site. \$50,000.00 has previously been approved for preliminary engineering. Funds need to decreased (\$22,712.70). This is an economic development project. WBS will be closed.	-\$22,712.70
Clemmons/ Forsyth Co. Div. 9 U-2707 DIVISION	WBS 34845.3.3 SR 3000 (Idols Road) From SR 2999 (Hampton Road) to US 158 in Clemmons. Initial funds are requested for construction based on the estimate from the 12-Month Tentative Letting List published February 4, 2016.	\$12,400,000.00
Cabarrus Co. Div. 10 U-4910A DIVISION	WBS 40373.2.D1 SR 1445 (Derita Road) from SR 2894 (Concord Mills Boulevard) to Aviation Boulevard. \$810,000.00 has previously been approved for right of way and utilities. Additional funds are requested.	\$500,000.00
Mecklenburg Co. Div. 10 U-5108 DIVISION	WBS 42370.1.1 Northcross Drive Extension from end of Northcross Drive to Westmoreland Road in Cornelius. Initial funds are requested for preliminary engineering. This is a Strategic Transportation Investments Transition project.	\$500,000.00
Union Co. Div. 10 R-3329 STATEWIDE	WBS 34533.1.2 US 74 Bypass from I-485 (Charlotte Outer Loop) to US 74 (Monroe Bypass). Funds are requested for activities related to Transportation Infrastructure Finance & Innovation Act (TIFIA) fees. This is a Strategic Transportation Investments Transition project.	\$1,000,000.00

**NCDOT April 2016 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Caldwell Co. Div. 11 R-5745 DIVISION	WBS 50200.1.1 Intersection of US 64/NC90/NC 18 (Wilkesboro Boulevard) and US 64/NC 90 (Taylorsville Road). Construct intersection improvements. \$50,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$160,000.00
Cleveland Co. Div. 12 R-2707F STATEWIDE	WBS 34497.1.6 US 74 Shelby Bypass from east of SR 1318 (Kimbrell Road) to east of NC 226. Initial funds are requested for preliminary engineering.	\$792,000.00
Transylvania Co. Div. 14 R-5605 DIVISION	WBS 43587.1.1 Davidson River Village Connector from US 64/US 276 to US 64, City of Brevard. \$5,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$130,000.00
Statewide Div. 15 M-0360 SW/REG/DIV	WBS 36824.1.2 Design Services, statewide, preliminary engineering for miscellaneous projects. Initial funds are requested for annual funding for SFY 2016.	\$1,000,000.00
Statewide Div. 15 M-0376 SW/REG/DIV	WBS 39406.1.3 Geotechnical investigations, studies and preliminary engineering for miscellaneous projects, statewide. Initial funds are requested for annual funding for SFY 2016.	\$900,000.00

**NCDOT April 2016 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Statewide Div. 15 M-0391 SW/REG/DIV	WBS 40289.1.2 Structure design and preliminary engineering for miscellaneous projects. Initial funds are requested for annual funding for SFY 2016.	\$300,000.00
Statewide Div. 15 M-0392 SW/REG/DIV	WBS 40290.1.2 Hydraulics and preliminary engineering for miscellaneous projects. Initial funds are requested for annual funding for SFY 2016.	\$160,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	3 PROJECTS	\$3,212,450.00
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	2 PROJECTS	-\$600,000.00
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	8 PROJECTS	\$16,667,287.30
STATEWIDE/REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	4 PROJECTS	\$2,360,000.00
STRATEGIC TRANSPORTATION INVESTMENTS	17 PROJECTS	\$21,639,737.30

**NCDOT April 2016 Board of Transportation Agenda
Approval of State Highway Trust Funds - Intrastate System
(For projects previously identified as Intrastate Trust Fund projects)**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wilmington/ New Hanover Co. Div. 3 U-4751 STATEWIDE	WBS 40191.2.1 SR 1409 (Military Cutoff Road Extension) from SR 1409 (Military Cutoff Road) to US 17 in Wilmington. \$45,650,000.00 has previously been approved for acquisition of specific parcels. Additional funds are requested.	\$3,000,000.00
Sampson Co. Div. 3 R-2303B STATEWIDE	WBS 34416.3.4 NC 24 from west of SR 1006 (Maxwell Road/Clinton Road) in Cumberland County to I-40 in Duplin County at Warsaw. \$1,395,938.00 has previously been approved for construction. Additional funds are requested to cover the expenditures that have exceeded the previously authorized budget. This is a Strategic Transportation Investments Transition project. WBS will be closed.	\$154,922.02
TRUST FUND INTRASTATE SUMMARY	2 PROJECTS	\$3,154,922.02

**NCDOT April 2016 Board of Transportation Agenda
Approval of State Highway Trust Funds - Urban Loops**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Brunswick/ New Hanover Cos. Div. 3 R-2633B STATEWIDE	WBS 34491.2.3 US 17 (Wilmington Bypass) from US 74-76 east of Malmo in Brunswick County to US 421 north of Wilmington in New Hanover County. \$27,800,000.00 has previously been approved for right of way and utilities. Additional funds are requested. This is a Strategic Transportation Investments Transition project.	\$3,500,000.00
TRUST FUND URBAN LOOP	1 PROJECT	\$3,500,000.00
STRATEGIC TRANSPORTATION INVESTMENTS	17 PROJECTS	\$21,639,737.30
TRUST FUND INTRASTATE SUMMARY	2 PROJECTS	\$3,154,922.02
TRUST FUND URBAN LOOP	1 PROJECT	\$3,500,000.00
SUMMARY OF FUNDS	20 PROJECTS	\$28,294,659.32

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

**NCDOT April 2016 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
Wake Co. Div. 5 SS-4905CS	WBS 44443.3.1 US 70 Bus. From I-40 to the Wake/Johnston County line. \$288,000.00 in construction funds has previously been approved for guardrail installation. Additional funds are needed due to an increase in construction costs. File 05-15-3815-1	\$147,000.00
ITEM L SUMMARY	1 PROJECT	\$147,000.00

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 1

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Bertie Co. B-5106 DIVISION	42243.3.1, BRSTP-1200(007) Replace Bridge #148 over Wahton Creek on SR 1200. Construction funds are needed for bridge replacement.	\$550,000.00 Cost \$440,000.00 Fed. \$110,000.00 State

Safety

Washington Co. SS-4901AV DIVISION	44742.1.1, HSIP-1126(006) SR 1126 (Newland Road) at SR 1180 (B Canal Road). Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State
--	---	--

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 2

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Craven Co. W-5601CZ STATEWIDE	50138.3.105, HSIP-0070(195) US 70 at SR 1922 (Taberna Way / Commercial Drive). Construction funds are needed for safety improvements.	\$23,100.00 Cost \$20,790.00 Fed. \$2,310.00 State
Greene Co. W-5601FR REGIONAL	50138.1.175, HSIP-0123(004) NC 123 at SR 1400 (Fourway Road / Ormondsville Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Jones Co. W-5601EU STATEWIDE	50138.1.152, HSIP-0017(157) US 17 guardrail end unit upgrades. Funds are needed for preliminary engineering.	\$7,500.00 Cost \$6,750.00 Fed. \$750.00 State
Lenoir Co. W-5601ES STATEWIDE	50138.1.150, HSIP-0011(034) NC 11 guardrail end unit upgrades. Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State

**NCDOT April 2016 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. SS-4902CD DIVISION	44743.1.1, HSIP-1523(009) SR 1523 (Whichard Road) at SR 1529 (Old Creek Road). Funds are needed for preliminary engineering.	\$1,000.00 Cost \$900.00 Fed. \$100.00 State
Pitt Co. SS-4902CE REGIONAL	44746.1.1, HSIP-0013(049) US 13 / NC 11 between SR 1512 (Hollowell Road) in Pitt County and US 64 in Edgecombe County, and NC 11 between US 64 and 0.25 mile north of US 64. Funds are needed for preliminary engineering.	\$500.00 Cost \$450.00 Fed. \$50.00 State
Pitt Co. W-5601ET STATEWIDE	50138.1.151, HSIP-0011(035) NC 11, US 13 / NC 11 - 903, guardrail end unit upgrades. Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 3

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
New Hanover Co. SS-4903CI DIVISION	44744.1.1, HSIP-1336(009) SR 1336 (Sidbury Road) and SR 1318 (Blue Clay Road). Funds are needed for preliminary engineering.	\$500.00 Cost \$450.00 Fed. \$50.00 State
New Hanover Co. W-5601CK STATEWIDE	50138.3.90, HSIP-0074(179) US 74 / 76 Wrightsville Beach Drawbridge #12 crossing Intercoastal Waterway. Construction funds are needed for safety improvements.	\$193,400.00 Cost \$174,060.00 Fed. \$19,340.00 State
Onslow Co. SS-4903CJ DIVISION	44745.1.1, HSIP-1324(010) SR 1324 (Ramsey Road) and SR 1327 (Kellum Loop Road). Funds are needed for preliminary engineering.	\$500.00 Cost \$450.00 Fed. \$50.00 State
Onslow Co. SS-4903CK DIVISION	44747.1.1, HSIP-1203(004) SR 1203 (Ben Williams Road) between SR 1204 (Davis Road / Murrill Brown Road) and SR 1213 (Blue Creek Road). Funds are needed for preliminary engineering.	\$8,000.00 Cost \$7,200.00 Fed. \$800.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 3 (Continued)

Rural

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Brunswick Co. R-4436CF DIVISION	34625.2.55, STP-1172(007) SR 1172 (Sunset Boulevard). Funds are needed for construction of a filtration basin to improve water quality.	\$60,000.00 Cost \$48,000.00 Fed. \$12,000.00 State
Onslow Co. R-5023B REGIONAL	41922.2.2, STP-0053(009) NC 53 (Burgaw Highway) from SR 1116 (Onslow Pines Road) to SR 1105 (Haws Run Road); (Combined with R-5023C: NC 53 from SR 1105 (Haws Run Road) to west of SR 1109 (Holly Shelter Road)); (Combined with SF-4903F: NC 53 and realign SR 1109 (Holly Shelter Road)). Funds are needed for full right of way and utilities.	\$425,000.00 Cost \$340,000.00 Fed. \$85,000.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wayne Co. B-4839 DIVISION	38609.1.FD1, BRZ-1006(026) Replace Bridge #96 over Thoroughfare Swamp on SR 1006. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$10,000.00 Cost \$8,000.00 Fed. \$2,000.00 State
Wayne Co. B-4844 DIVISION	38614.1.FD2, BRZ-1958(005) Replace Bridge #117 over the Northeast Cape Fear River on SR 1958 and SR 1502. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$10,000.00 Cost \$8,000.00 Fed. \$2,000.00 State

Safety

Johnston Co. W-5204D DIVISION	45334.1.4, HSIP-0210(030) NC 210 from SR 1309 (Old Fairground Road) to NC 50 and NC 210 west of I-40 Eastbound Ramps. \$85,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$65,000.00 Cost \$58,500.00 Fed. \$6,500.00 State
Johnston Co. W-5204D DIVISION	45334.2.4, HSIP-0210(030) NC 210 from SR 1309 (Old Fairground Road) to NC 50 and NC 210 west of I-40 Eastbound Ramps. Funds are needed for full right of way and utilities.	\$255,000.00 Cost \$229,500.00 Fed. \$25,500.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Johnston Co. W-5601BW REGIONAL	50138.2.76, HSIP-0042(063) NC 42 at SR 1525 (Cornwallis Road). Funds are needed for full right of way and utilities.	\$1,000.00 Cost \$900.00 Fed. \$100.00 State
Johnston Co. W-5601BX REGIONAL	50138.3.77, HSIP-0210(035) NC 210 at SR 1162 (Black Creek Road). Construction funds are needed for safety improvements.	\$112,000.00 Cost \$100,800.00 Fed. \$11,200.00 State
Wayne Co. SS-4904DQ STATEWIDE	44748.1.1, HSIP-0013(050) US 13 / 70 westbound shoulder west of SR 1565 (Cuyler Best Road / Spence Avenue) and eastbound shoulder east of US 70 Business (Grantham Street). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Wayne Co. SS-4904DR REGIONAL	44749.1.1, HSIP-0111(023) NC 111 between the Duplin County Line and SR 1710 (Old Highway 111). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wayne Co. W-5500 DIVISION	45472.2.FD1, HSIP-1556(006) SR 1556 (Wayne Memorial Drive) from SR 1622 (Woodside Drive) to SR 1752 (Saulston-Patetown Road). Funds are needed for full right of way and utilities.	\$1,427,520.00 Cost \$1,284,768.00 Fed. \$142,752.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wake Co. I-5506 STATEWIDE	43608.1.1, NHPP-040-7(154)284 I-40 and SR 1002 (Aviation Parkway) interchange. \$310,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$1,300,000.00 Cost \$1,040,000.00 Fed. \$260,000.00 State

Congestion Mitigation

Louisburg/ Franklin Co. C-5527 EXEMPT	51041.1.1, CMS-0514(004) SR 1229 (South Main Street) from the existing sidewalk to NC 56 West. \$30,309.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$6,130.00 Cost \$4,904.00 Fed. \$1,226.00 Local
Cary/ Wake Co. C-5165 EXEMPT	46230.2.F1, CMS-0503(018) SR 3112 (Cary Parkway) and SR 1615 (High House Road), construct a single quadrant intersection. Funds are needed for full right of way and utilities.	\$1,175,000.00 Cost \$940,000.00 Fed. \$235,000.00 Local
Wake Co. C-5170 EXEMPT	46235.3.F1, CMS-0520(035) Bicycle Lanes within City of Raleigh. \$892,562.00 has previously been approved for construction. Funds need to be decreased \$300,946.00 to reflect the latest estimated cost.	-\$376,183.00 Cost -\$300,946.00 Fed. -\$75,237.00 Local

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wake Co. C-5504 EXEMPT	45497.3.F1, CMS-040-4(153) 295 I-40 Pedestrian Improvement Project at Buck Jones Road, SR 1321 (Avent Ferry Road) and SR 2542 (Rock Quarry Road) overpasses of I-40. \$1,623,532.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$376,183.00 Cost \$300,946.00 Fed. \$75,237.00 Local

Urban

Wake Co. U-5118AE REGIONAL	42379.2.30, STPDA-0501(035) NC 55 and Olive Chapel Road at Apex Peakway Intersections. Funds are needed for full right of way.	\$89,000.00 Cost \$71,200.00 Fed. \$17,800.00 Local
----------------------------------	--	---

Bridge

Granville Co. B-5157 DIVISION	42332.3.FD1, BRZ-1304(010) Replace Bridge #178 over Fox Creek on SR 1304. Funds are needed for construction based on the estimate from the 12- Month Tentative Letting List published February 4, 2016.	\$975,000.00 Cost \$780,000.00 Fed. \$195,000.00 State
Person Co. B-5102 STATEWIDE	42237.2.2, BRSTP-0158(037) Bridge #11 over South Hyco Creek on US 158. \$67,000.00 has previously been approved for utilities. Additional funds are needed based on the latest estimate.	\$250,000.00 Cost \$200,000.00 Fed. \$50,000.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Granville Co. W-5601FA REGIONAL	50138.1.158, HSIP-0015(052) US 15 (Durham Avenue) at SR 1639 (N. Main Street). Funds are needed for preliminary engineering.	\$2,500.00 Cost \$2,250.00 Fed. \$250.00 State
Person Co. W-5601FD REGIONAL	50138.1.161, HSIP-0158(063) US 158 at US 501. Funds are needed for preliminary engineering.	\$28,000.00 Cost \$25,200.00 Fed. \$2,800.00 State
Vance Co. W-5515 DIVISION	44101.3.1, HSIP-1518(005) SR 1518 (Stewart Farm Road) in Henderson City Limit to SR 1515 (South Cokesbury Road). Funds are needed for construction for widening project.	\$1,350,000.00 Cost \$1,215,000.00 Fed. \$135,000.00 State
Wake Co. SS-4905DH STATEWIDE	44750.1.1, HSIP-0001(149) US 1 at NC 98 southbound ramp. Funds are needed for preliminary engineering.	\$2,500.00 Cost \$2,250.00 Fed. \$250.00 State

**NCDOT April 2016 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. SS-4905DI REGIONAL	44751.1.1, HSIP-0054(025) NC 54 at SR 1002 (Aviation Parkway) / SR 3014 (Morrisville Carpenter Road). Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Wake Co. SS-4905DJ REGIONAL	44752.1.1, HSIP-0401(274) US 401 at Valley Stream Drive / Dansey Drive. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Wake Co. W-5601AX DIVISION	50138.3.51, HSIP-3977(001) SR 3977 (Cary Parkway) at West Chatham Street. Funds are needed for construction for signal installation.	\$140,000.00 Cost \$126,000.00 Fed. \$14,000.00 State
Wake Co. W-5601EW REGIONAL	50138.1.154, HSIP-0050(017) NC 50 (Benson Road) at SR 3718 (Turner Farm Road / Wakefield Lane). Funds are needed for preliminary engineering.	\$65,000.00 Cost \$58,500.00 Fed. \$6,500.00 State

**NCDOT April 2016 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-5601EX REGIONAL	50138.1.155, HSIP-0042(066) NC 42 from SR 5330 (Field Hill Road) to SR 5367 (Winterton Drive). Funds are needed for preliminary engineering.	\$135,000.00 Cost \$121,500.00 Fed. \$13,500.00 State
Wake Co. W-5601EY REGIONAL	50138.1.156, HSIP-0042(067) NC 42 at SR 2727 (Sauls Road). Funds are needed for preliminary engineering.	\$80,000.00 Cost \$72,000.00 Fed. \$8,000.00 State
Wake Co. W-5601EZ DIVISION	50138.1.157, HSIP-3015(001) SR 3015 (Airport Blvd.) at SR 1641 (Slater Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Wake Co. W-5601FB DIVISION	50138.1.159, HSIP-1009(022) SR 1009 (Tryon Road) at SR 1427 (Lake Dam Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

**NCDOT April 2016 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-5601FC DIVISION	50138.1.160, HSIP-1657(003) SR 1657 (Nowell Road) at SR 5808 (Hillsborough Street). Funds are needed for preliminary engineering.	\$12,000.00 Cost \$10,800.00 Fed. \$1,200.00 State
Wake Co. W-5601FE DIVISION	50138.1.162, HSIP-1670(002) SR 1670 (Blue Ridge Road) at Crabtree Valley Avenue. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Wake Co. W-5601FF DIVISION	50138.1.163, HSIP-2044(005) SR 2044 (Ligon Mill Road) near SR 3564 (Greenville Loop Road) and Falconhurst Drive. Funds are needed for preliminary engineering.	\$94,000.00 Cost \$84,600.00 Fed. \$9,400.00 State
Wake Co. W-5601FG DIVISION	50138.1.164, HSIP-2012(002) SR 2012 (Litchford Road) and Coxindale Drive in Raleigh. Funds are needed for preliminary engineering.	\$4,500.00 Cost \$4,050.00 Fed. \$450.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Municipal Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wake Co. M-0414 DIVISION	42080.1.118, BRZ-NBIS(013) Municipal Bridge Inspections - 1 Bridge within the municipality of Fuquay-Varina. Funds are needed for preliminary engineering.	\$2,650.00 Cost \$2,120.00 Fed. \$530.00 Local

Rural

Wake Co. R-4436EI STATEWIDE	34625.2.56, STPNHP-0540(034) I-540 and SR 2000 (Falls of Neuse Road). Funds are needed for construction of two filtration basins to improve water quality.	\$230,000.00 Cost \$207,000.00 Fed. \$23,000.00 State
-----------------------------------	--	---

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6

National Highway

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Fayetteville / Cumberland Co. U-2519BA REGIONAL	34817.2.17, NHF-0100(024) Fayetteville Outer Loop from south of SR 1003 (Camden Road) to south of SR 1104 (Strickland Bridge Road). Funds are needed for utilities.	\$800,000.00 Cost \$640,000.00 Fed. \$160,000.00 State

Urban

Cumberland Co. U-3422 DIVISION	39001.1.1, STP-1003(131) SR 1003 (Camden Road) from Fayetteville Outer Loop to NC 59 (Hope Mills Road). Funds are needed for preliminary engineering.	\$700,000.00 Cost \$560,000.00 Fed. \$140,000.00 State
---	--	--

Safety

Bladen Co. W-5601ER REGIONAL	50138.1.149, HSIP-0211(039) NC 211 at NC 242. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Columbus Co. W-5601EV STATEWIDE	50138.1.153, HSIP-0074(186) US 74 from SR 1824 (Water Tank Road) to just east of the Brunswick County Line. Funds are needed for preliminary engineering.	\$350,000.00 Cost \$315,000.00 Fed. \$35,000.00 State

**NCDOT April 2016 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. SS-4906CN STATEWIDE	44753.1.1, HSIP-0401(275) US 401 (Raeford Road) between Wildwood Drive and US 401 (Skibo Road), Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Cumberland Co. SS-4906CP STATEWIDE	44755.1.1, HSIP-1007(035) SR 1007 (All-American Freeway), 550 feet northwest of Walter Reed Road and Owen Drive. Funds are needed for preliminary engineering.	\$1,000.00 Cost \$900.00 Fed. \$100.00 State
Cumberland Co. W-5601FN DIVISION	50138.1.171, HSIP-1108(019) SR 1108 (Lakewood Drive) at SR 3670 (Middleton Court) and SR 3671 (Lullwater Drive). Funds are needed for preliminary engineering.	\$150,000.00 Cost \$135,000.00 Fed. \$15,000.00 State
Cumberland Co. W-5601FO DIVISION	50138.1.172, HSIP-1831(005) SR 1831 (Baywood Road) at SR 1832 (Murphy Road). Funds are needed for preliminary engineering.	\$350,000.00 Cost \$315,000.00 Fed. \$35,000.00 State

**NCDOT April 2016 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. SS-4906CO DIVISION	44754.1.1, HSIP-1340(010) Three four-leg intersections: SR 1340 (Prospect Road) at SR 1515 (St. Anna); SR 2204 (Lovette Road) at SR 2207 (Popes Crossing Road); and SR 1713 (Davis Bridge Road) at SR 1710 (Glenn Road). Funds are needed for preliminary engineering.	\$7,000.00 Cost \$6,300.00 Fed. \$700.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 7

Surface Transportation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Caswell Co. R-5767 REGIONAL	44669.1.1, STP-0086(019) NC 86 from SR 1503 (Walter's Mill Road). Funds are needed for preliminary engineering.	\$75,000.00 Cost \$60,000.00 Fed. \$15,000.00 State

Congestion Mitigation

Guilford Co. C-5558 EXEMPT	55063.3.F1, CMS-0710(029) City of High Point Signal System. \$8,300,000.00 has previously been approved for construction. Funds need to be decreased (\$135,630.00) to reflect the low bid received on October 20, 2015.	-\$135,630.00 Cost -\$108,504.00 Fed. -\$27,126.00 State
----------------------------------	--	--

Enhancement

Orange Co. ER-5600GB REGIONAL	46305.3.17, STP-0501(040) US 501 and Old Mason Farm Road in Chapel Hill. Funds are needed for construction to replace a timber fence.	\$25,000.00 Cost \$20,000.00 Fed. \$5,000.00 State
-------------------------------------	---	--

Urban

Guilford Co. U-2412 DIVISION	34802.1.1, STP-41421(001) SR 4121 (Greensboro/High Point Road) from Hilltop Road to the proposed US 311 Bypass. \$6,207,020.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$1,000,000.00 Cost \$800,000.00 Fed. \$200,000.00 State
------------------------------------	--	--

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 7 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Alamance Co. SS-4907BQ DIVISION	44757.1.1, HSIP-1005(040) SR 1005 (Greensboro-Chapel Hill Road) at SR 2369 (Sylvan School Road) and SR 2371 (Pleasant Hill Road). Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State
Guilford Co. SS-4907BP REGIONAL	44756.1.1, HSIP-0150(041) NC 150 at SR 2819 (McLeansville Road) / US 29 on ramp. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

Rail Program

Alamance Co. Z-5400GO DIVISION	43600.3.52, RR-1962(002) Railway-Highway Grade Safety Project at SR 1962 / Fourth Street / NC 119, SR 1962 (Third Street) at Washington Street near RR Crossing #735 469V, Fourth Street at Washington Street near RR Crossing #735 471W and NC 119 (Fifth Street) at US 70 (Center Street) near RR Crossing #735 472D. \$221,000.00 has previously been approved for construction. Additional construction funds are needed for safety improvements.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State
--------------------------------------	--	---

Rural

Alamance Co. R-4436GH STATEWIDE	34625.2.57, STP-0040(039) Interchange of I-40 and NC 49 in Alamance County. Funds are needed for construction of one filtration basin to improve water quality.	\$230,000.00 Cost \$184,000.00 Fed. \$46,000.00 State
---------------------------------------	--	---

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 8

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Lee Co. R-3830 DIVISION	38887.1.1, STP-0042(049) NC 42 from US 421 to SR 1579 (Main Street) in Sanford and along SR 1579 from NC 42 to SR 1538 (Buckhorn Avenue) in Broadway. \$920,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$300,000.00 Cost \$240,000.00 Fed. \$60,000.00 State

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. \$525,000.00 has previously been approved for construction. Funds need to be increased \$159,144.00 to reflect the low bid received on October 20, 2015.	\$159,144.00 Cost \$127,315.00 Fed. \$31,829.00 State
Randolph Co. B-4795 DIVISION	38565.1.FD1, BRZ-1112(009) Replace Bridge #25 over a creek on SR 1112. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$30,000.00 Cost \$24,000.00 Fed. \$6,000.00 State

Safety

Moore Co. W-5601FH REGIONAL	50138.1.165, HSIP-0005(803) NC 5 from SR 1103 (Sand Pit Road) to just past Habitat for Humanity. Funds are needed for preliminary engineering.	\$28,000.00 Cost \$25,200.00 Fed. \$2,800.00 State
-----------------------------------	--	--

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 8 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Moore Co. W-5601FI REGIONAL	50138.1.166, HSIP-0005(804) NC 5 at SR 1115 (Linden Road). Funds are needed for preliminary engineering.	\$14,000.00 Cost \$12,600.00 Fed. \$1,400.00 State
Randolph Co. W-5601AZ DIVISION	50138.3.53, HSIP-1707(001) SR 1707 (Church Street) from SR 1453 (Walker Avenue) to SR 1442 (Sunset Avenue). Construction funds are needed for safety improvements.	\$332,000.00 Cost \$298,800.00 Fed. \$33,200.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 9

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Davie Co. I-5794 STATEWIDE	53033.3.1, NHPP-0040(031) I-40 from 2 miles east of SR 1442 (Redland Road) to 1.40 miles east of NC 801. \$1,400,000.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$350,000.00 Cost \$280,000.00 Fed. \$70,000.00 State

Bridge

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. \$12,900,000.00 has previously been approved for construction. Funds need to be decreased (\$1,283,235.00) to reflect the low bid received on October 20, 2015.	-\$1,283,235.00 Cost -\$1,026,588.00 Fed. -\$256,647.00 State
------------------------------------	--	---

Safety

Davidson Co. SS-4909BO REGIONAL	44758.1.1, HSIP-0109(021) NC 109 at SR 2093 (Ben Lee Road). Funds are needed for preliminary engineering.	\$22,500.00 Cost \$20,250.00 Fed. \$2,250.00 State
---------------------------------------	--	--

**NCDOT April 2016 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-5747 STATEWIDE	52025.3.1, NHPP-0485(041) I-485 from I-85 to SR 2808 (Camp Stewart Road). Funds are needed for construction for pavement rehabilitation.	\$1,070,000.00 Cost \$856,000.00 Fed. \$214,000.00 State
Mecklenburg Co. I-5748 STATEWIDE	52026.3.1, NHPP-0485(040) I-485 from Idlewild Road to US 74 (combined with I-5871: I-485 from Idlewild Road to NC 51). Funds are needed for construction for pavement rehabilitation.	\$1,255,000.00 Cost \$1,004,000.00 Fed. \$251,000.00 State

Urban

Charlotte/ Mecklenburg Co. C-5541 EXEMPT	51011.2.1, CMS-1003(132) Construct a sidewalk on southwest side, Providence Road in Charlotte. Funds are needed for full right of way and utilities.	\$500,000.00 Cost \$350,000.00 Fed. \$150,000.00 Local
--	--	--

Safety

Cabarrus Co. SS-4910CF DIVISION	44761.1.1, HSIP-2446(004) SR 2446 (Mt. Olive Road) near SR 2416 (Sansbury Road). Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State
---------------------------------------	--	--

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 10 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Mecklenburg Co. SS-4910CE DIVISION	44760.1.1, HSIP-2136(006) SR 2136 (Gilead Road) and Huntersville Square Entrance / Bayshore Plaza Entrance. Funds are needed for preliminary engineering.	\$1,000.00 Cost \$900.00 Fed. \$100.00 State
Mecklenburg Co. W-5601AD DIVISION	50138.3.FD31, HSIP-3128(002) SR 3128 (Lawyers Road) at SR 3135 (Lebanon/Wilson Grove Road) in Mint Hill. Funds are needed for construction for concrete islands and left turn lanes.	\$530,000.00 Cost \$477,000.00 Fed. \$53,000.00 State
Mecklenburg Co. W-5601FK DIVISION	50138.1.168, HSIP-2802(001) SR 2802 (Rocky River Road) through the intersections of SR 2826 (Hood Road) and SR 2827 (Back Creek Church Road). Funds are needed for preliminary engineering.	\$53,000.00 Cost \$47,700.00 Fed. \$5,300.00 State
Mecklenburg Co. W-5601FL STATEWIDE	50138.1.169, HSIP-0077(007) I-77 / US 21 southbound ramp and SR 2047 (Trade Street). Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State

**NCDOT April 2016 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. SS-4910CD REGIONAL	44759.1.1, HSIP-0601(023) US 601 and SR 1004 / 1612 (Lawyers Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Monroe/ Union Co. W-5210L STATEWIDE	45340.3.12, HSIP-0074(157) US 74 between Fowler Secrest Road and NC 200 (Morgan Mill Road). Construction funds are needed for safety improvements.	\$1,608,000.00 Cost \$1,447,200.00 Fed. \$160,800.00 State
Union Co. W-5520 REGIONAL	50092.2.1, HSIP-0074(156) US 74 from Fairview Road to Wesley Chapel Stouts Road in Indian Trail. Funds are needed for full right of way and utilities.	\$645,000.00 Cost \$580,500.00 Fed. \$64,500.00 State
Union Co. W-5601AE REGIONAL	50138.2.32, HSIP-0522(005) NC 522 from South Carolina Line northward to SR 2166 (Trinity Church Road). Funds are needed for full right of way.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 11

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Ashe Co. SS-4911AK REGIONAL	44763.1.1, HSIP-0221(047) US 221 Business / East Main Street at SR 1664 (Hospital Avenue). Funds are needed for preliminary engineering.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State
Avery Co. SS-4911AM DIVISION	44765.1.1, HSIP-1153(008) SR 1153 near Rabbit Hill Lane. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Caldwell Co. W-5601EL STATEWIDE	50138.3.143, HSIP-0321(035) US 321 at Hospital Avenue. Funds are needed for construction for safety improvements.	\$29,000.00 Cost \$26,100.00 Fed. \$2,900.00 State
Caldwell Co. W-5601FT STATEWIDE	50138.1.177, HSIP-0064(187) US 64 / NC 18 at SR 1145 (Virginia Street). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 11 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Surry Co. W-5601AU REGIONAL	50138.3.48, HSIP-0268(020) NC 268 from US 21 Business (Bridge Street) to SR 1212 (Morrison Road). Funds are needed for construction for a traffic signal.	\$115,000.00 Cost \$103,500.00 Fed. \$11,500.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Iredell Co. C-5200 EXEMPT	46251.2.1, CMS-1226(017) NC 115 and NC 150 in Mooresville. \$61,600.00 has previously been approved for right of way and utilities. Additional funds are needed based on the latest estimate.	\$58,926.00 Cost \$42,320.00 Fed. \$16,606.00 Local

Bridge

Gaston Co. B-4575 EXEMPT	33779.3.1, BRZ-1202(001) Replace Bridge #165 on Mickley Avenue over the Norfolk Southern Railroad. \$1,936,283.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$234,846.00 Cost \$187,877.00 Fed. \$46,969.00 Local
--------------------------------	---	---

Safety

Gaston Co. SS-4912BV REGIONAL	44766.1.1, HSIP-0074(187) US 74 at SR 2329 (Main Street / Redbud), and US 74 at SR 2339 (Church / Schlotzky's Deli Drive). Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
-------------------------------------	---	---

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 13

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Buncombe Co. B-5396 DIVISION	46111.3.FD1, BRZ-1103(024) Replace Bridge #416 over Stony Fork Creek on SR 1103. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published February 4, 2016.	\$1,000,000.00 Cost \$800,000.00 Fed. \$200,000.00 State

Safety

Buncombe Co. SS-4913CE REGIONAL	44768.1.1, HSIP-0280(011) NC 280 (Airport Road) from SR 3568 to Birch Circle. Funds are needed for preliminary engineering.	\$23,000.00 Cost \$20,700.00 Fed. \$2,300.00 State
Burke Co. W-5601DW STATEWIDE	50138.3.141, HSIP-0040(037) I-40 guardrail improvements. Funds are needed for construction for the installation of guardrail impact attenuatores.	\$250,000.00 Cost \$225,000.00 Fed. \$25,000.00 State
McDowell Co. W-5601DX STATEWIDE	50138.3.126, HSIP-0040(036) I-40 Westbound from mile marker 84 to mile marker 83, near Marion. Funds are needed for construction for pavement resurfacing.	\$360,000.00 Cost \$324,000.00 Fed. \$36,000.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 13 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Rutherford Co. SS-4913CD REGIONAL	44767.1.1, HSIP-0074(188) US 74 Alternate (Railroad Avenue) at East 2nd Street. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 14

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
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). \$2,000,000.00 has previously been approved for construction. Funds need to be increased \$2,437,008.00 to reflect the low bid received on October 20, 2015. This is a Strategic Transportation Investments Transition project.	\$2,437,008.00 Cost \$1,949,606.00 Fed. \$487,402.00 State

Bridge

Transylvania Co. B-5915 DIVISION	48047.1.1, BRZ-1318(021) Replace Bridge # 29 over North Flat Creek on SR 1318 (Old Quebec Road). Funds are needed for preliminary engineering.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State
---	--	--

Safety

Haywood Co. SS-4914CM STATEWIDE	44770.1.1, HSIP-0074(189) US 74 Eastbound Loop Ramp onto I-40 Westbound (Exit 27). Funds are needed for preliminary engineering.	\$8,000.00 Cost \$7,200.00 Fed. \$800.00 State
---------------------------------------	--	--

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 14 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Haywood Co. W-5601DT REGIONAL	50138.3.133, HSIP-0040(038) I-40, US 74, US 19-23, US 23 Business, US 19 in Haywood County; US 74, US 23 Business, NC 107 in Jackson County; US 74, NC 28 in Swain County. Construction funds are needed for guardrail improvements.	\$250,000.00 Cost \$225,000.00 Fed. \$25,000.00 State
Henderson Co. W-5601FP STATEWIDE/ REGIONAL	50138.1.173, HSIP-0026(009) I-26 / US 74 / US 64 / US 25 and NC 280 in Henderson and Polk Counties. Funds are needed for preliminary engineering.	\$500.00 Cost \$450.00 Fed. \$50.00 State
Jackson Co. SS-4914CN DIVISION	44771.1.1, HSIP-1359(005) SR 1359 (River Road) from US 23-441 to NC 116. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Transylvania Co. SS-4914CL DIVISION	44769.1.1, HSIP-1207(010) SR 1207 (Barclay Road) from US 276 to SR 1113 (S. Country Club Road). Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State

**NCDOT April 2016 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. W-5601FM DIVISION	50138.1.170, HSIP-1540(006) SR 1540 (Wilson Road) near SR 1504, near Brevard. Funds are needed for preliminary engineering.	\$30,000.00 Cost \$27,000.00 Fed. \$3,000.00 State

**NCDOT April 2016 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Statewide

Rural

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Statewide R-4436EH STATEWIDE	34625.2.54, STP-0540(036) I-540 and Six Forks Road. Funds are needed for construction for stormwater retrofits.	\$330,000.00 \$264,000.00 \$66,000.00	Cost Fed. State

ITEM M SUMMARY - 110 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$23,344,228.00

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

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP ADDITIONS

DIVISION 4

U-3471	SR 1606 (BLACK CREEK ROAD), US 264 BYPASS TO US	RIGHT-OF-WAY	FY 2023 -	\$2,911,000	(T)
WILSON	301/264 ALTERNATE (WARD BOULEVARD). WIDEN TO	UTILITIES	FY 2023 -	\$349,000	(T)
PROJ.CATEGORY	MULTI-LANES.	CONSTRUCTION	FY 2025 -	<u>\$13,600,000</u>	(T)
DIVISION	<u>NEW PROJECT PROGRAMMED DUE TO ADDITIONAL</u>			\$16,860,000	
	<u>REVENUE (HB 97)</u>				

U-5922	EAST RAILROAD STREET, TOBACCO STREET TO ROCK	RIGHT-OF-WAY	FY 2023 -	\$45,000	(T)
WILSON	QUARRY ROAD. EXTEND ROAD ON NEW LOCATION.	UTILITIES	FY 2023 -	\$5,000	(T)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED DUE TO ADDITIONAL</u>	CONSTRUCTION	FY 2025 -	<u>\$2,363,000</u>	(T)
DIVISION	<u>REVENUE (HB 97)</u>			\$2,413,000	

STIP MODIFICATIONS

DIVISION 2

U-5875	SR 1203 (ALLEN ROAD), SR 1467 (STANTONSBURG	RIGHT-OF-WAY	FY 2020 -	\$1,777,000	(T)
PITT	ROAD) TO US 13 (DICKINSON AVENUE EXTENSION).	UTILITIES	FY 2020 -	\$213,000	(T)
PROJ.CATEGORY	WIDEN TO MULTI-LANES.	CONSTRUCTION	FY 2022 -	\$5,814,000	(T)
DIVISION	<u>ACCELERATE RIGHT-OF-WAY FROM FY 22 TO FY 20</u>		FY 2023 -	\$5,814,000	(T)
	<u>AND CONSTRUCTION FROM FY 24 TO FY 22.</u>		FY 2024 -	<u>\$5,814,000</u>	(T)
				\$19,432,000	

DIVISION 3

U-5787	SR 2715 (TRADE STREET), NC 53 (WESTERN	RIGHT-OF-WAY	FY 2019 -	\$1,648,000	(T)
ONSLow	BOULEVARD) TO MCDANIEL DRIVE IN JACKSONVILLE.	UTILITIES	FY 2019 -	\$198,000	(T)
PROJ.CATEGORY	CONSTRUCT ROADWAY ON NEW LOCATION.	CONSTRUCTION	FY 2021 -	\$1,511,000	(T)
DIVISION	<u>DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19 AND</u>			\$3,357,000	
	<u>CONSTRUCTION FROM FY 20 TO FY 21 TO ALLOW</u>				
	<u>ADDITIONAL TIME FOR PLANNING AND DESIGN</u>				

DIVISION 5

B-5140	SR 1001 (PEARCES ROAD), REPLACE BRIDGE 910195	RIGHT-OF-WAY	FY 2017 -	\$70,000	(HFB)
WAKE	OVER MOCASSIN CREEK.	UTILITIES	FY 2017 -	\$89,000	(HFB)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND</u>	CONSTRUCTION	FY 2018 -	\$850,000	(HFB)
HWY FUNDS	<u>CONSTRUCTION FROM FY 17 TO FY 18 TO ALLOW</u>			\$1,009,000	
	<u>ADDITIONAL TIME TO RESOLVE NATURAL HABITAT</u>				
	<u>SURVEY</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, April 07, 2016

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 5

* B-5161	SR 1162 (APEX BARBECUE ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$925,000	(HFB)
WAKE	910362 OVER BEAVER CREEK IN APEX.	UTILITIES	FY 2017 -	\$145,000	(HFB)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND</u>	CONSTRUCTION	FY 2018 -	\$700,000	(HFB)
HWY FUNDS	<u>CONSTRUCTION FROM FY 17 TO FY 18 TO ALLOW</u>			\$1,770,000	
	<u>ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>				

EB-4707A	SR 1838 / SR 2220, US 15 / US 501 IN ORANGE COUNTY	CONSTRUCTION	FY 2017 -	\$1,673,000	(STPDA)
ORANGE	TO SR 1113 (POPE ROAD) IN DURHAM COUNTY		FY 2017 -	\$418,000	(L)
DURHAM	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO</u>			\$2,091,000	
PROJ.CATEGORY	<u>ALLOW ADDITIONAL TIME TO COMPLETE R/W PHASE</u>				
TRANSITION					

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. INCL. 10 FT MULTIUSE PATH EAST	CONSTRUCTION	FY 2017 -	\$668,000	(STPDA)
DIVISION	SIDE; 5 FT SIDEWALK WEST SIDE.		FY 2017 -	\$167,000	(L)
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO</u>			\$915,000	
	<u>ALLOW ADDITIONAL TIME TO COMPLETE R/W PHASE</u>				

DIVISION 7

C-5181	JONES CREEK GREENWAY, CONSTRUCT A 100 FOOT	CONSTRUCTION	FY 2017 -	\$247,000	(CMAQ)
ORANGE	BRIDGE AND 650 FOOT PAVED TRAIL IN CARRBORO		FY 2017 -	\$61,000	(L)
PROJ.CATEGORY	TO FILL GAP BETWEEN THE UPPER BOLIN TRAIL AND	IMPLEMENTATION	FY 2018 -	\$10,000	(CMAQ)
EXEMPT	TWIN CREEKS GREENWAY AND IMPLEMENT PROGRAM		FY 2018 -	\$2,000	(L)
	TO SUPPORT NON-VEHICLE TRIPS TO MORRIS GROVE			\$320,000	
	ELEMENTRY SCHOOL.				
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 AND</u>				
	<u>IMPLEMENTATION FROM FY 17 TO FY 18 AT REQUEST</u>				
	<u>OF TRANSPORTATION PLANNING BRANCH.</u>				

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

* INDICATES FEDERAL AMENDMENT

Thursday, April 07, 2016

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 8

W-5208MA	US 15 / US 501, NC 144 INTERSECTION. CONSTRUCT	RIGHT-OF-WAY	FY 2017 -	\$300,000	(HSIP)
SCOTLAND	ROUNDBOUT	CONSTRUCTION	FY 2017 -	<u>\$2,500,000</u>	(HSIP)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY AND CONSTRUCTION FROM FY</u>			\$2,800,000	
REGIONAL	<u>16 TO FY 17 AT REQUEST OF SCOTLAND COUNTY</u>				

DIVISION 9

B-4808	SR 1004 (STOKES FERRY ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$68,000	(HFB)
ROWAN	790141 OVER SOUTH SECOND CREEK.	CONSTRUCTION	FY 2018 -	<u>\$1,600,000</u>	(HFB)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND</u>			\$1,668,000	
HWY FUNDS	<u>CONSTRUCTION FROM FY 17 TO FY 18 TO ALLOW</u>				
	<u>ADDITIONAL TIME TO DEVELOP NEW ALTERNATIVES,</u>				
	<u>INCLUDING ON-SITE DETOUR</u>				

* C-4908G	US 70 (STATESVILLE BOULEVARD), US 601 (JAKE	RIGHT OF WAY	FY 2016 -	\$52,000	(CMAQ)
ROWAN	ALEXANDER BOULEVARD) IN SALISBURY.		FY 2016 -	\$13,000	(L)
PROJ.CATEGORY	CONSTRUCT SIDEWALK.	CONSTRUCTION	FY 2016 -	\$298,000	(CMAQ)
EXEMPT	<u>DELAY RIGHT-OF-WAY AND CONSTRUCTION FROM FY</u>		FY 2016 -	<u>\$75,000</u>	(L)
	<u>15 TO FY 16 AT REQUEST OF CITY AND</u>			\$438,000	
	<u>TRANSPORTATION PLANNING BRANCH.</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, April 07, 2016

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 9

* U-4742	VARIOUS, INTERSECTION IMPROVEMENT PROJECTS	ENGINEERING	FY 2016 -	\$180,000	(STPDA)
FORSYTH	IN THE WINSTON-SALEM URBAN AREA		FY 2016 -	\$45,000	(L)
DAVIDSON	METROPOLITAN PLANNING		FY 2017 -	\$100,000	(STPDA)
STOKES	ORGANIZATION (WSUAMPO) AREA.		FY 2017 -	\$25,000	(L)
DAVIE	<u>ADDS FUNDS TO PE, R/W, AND CONSTRUCTION</u>		FY 2018 -	\$100,000	(STPDA)
PROJ.CATEGORY	<u>PHASES IN FY 16 THROUGH FY 21 NOT PREVIOUSLY</u>		FY 2018 -	\$25,000	(L)
DIVISION	<u>PROGRAMMED</u>		FY 2019 -	\$100,000	(STPDA)
			FY 2019 -	\$25,000	(L)
			FY 2020 -	\$100,000	(STPDA)
			FY 2020 -	\$25,000	(L)
			FY 2021 -	\$100,000	(STPDA)
			FY 2021 -	\$25,000	(L)
		RIGHT-OF-WAY	FY 2016 -	\$360,000	(STPDA)
			FY 2016 -	\$90,000	(L)
			FY 2017 -	\$200,000	(STPDA)
			FY 2017 -	\$50,000	(L)
			FY 2018 -	\$200,000	(STPDA)
			FY 2018 -	\$50,000	(L)
			FY 2019 -	\$200,000	(STPDA)
			FY 2019 -	\$50,000	(L)
			FY 2020 -	\$200,000	(STPDA)
			FY 2020 -	\$50,000	(L)
			FY 2021 -	\$200,000	(STPDA)
			FY 2021 -	\$50,000	(L)
		CONSTRUCTION	FY 2016 -	\$1,260,000	(STPDA)
			FY 2016 -	\$315,000	(L)
			FY 2017 -	\$700,000	(STPDA)
			FY 2017 -	\$175,000	(L)
			FY 2018 -	\$700,000	(STPDA)
			FY 2018 -	\$175,000	(L)
			FY 2019 -	\$700,000	(STPDA)
			FY 2019 -	\$175,000	(L)
			FY 2020 -	\$700,000	(STPDA)
			FY 2020 -	\$175,000	(L)
			FY 2021 -	\$700,000	(STPDA)
			FY 2021 -	\$175,000	(L)
				<u>\$8,500,000</u>	
* U-5824	NC 66 (OLD HOLLOW ROAD), HARLEY DRIVE TO US 158	RIGHT-OF-WAY	FY 2020 -	\$6,955,000	(T)
FORSYTH	IN WALKERTOWN. WIDEN TO MULTILANES.	UTILITIES	FY 2020 -	\$835,000	(T)
PROJ.CATEGORY	<u>DESCRIPTION MODIFIED TO REVISE EASTERN</u>	CONSTRUCTION	FY 2022 -	\$8,208,000	(T)
DIVISION	<u>TERMINUS AT REQUEST OF DIVISION.</u>			<u>\$15,998,000</u>	

* INDICATES FEDERAL AMENDMENT

Thursday, April 07, 2016

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 10

U-5703	US 74 (ROOSEVELT BLVD), SR 1514 (ROCKY RIVER	RIGHT-OF-WAY	FY 2017 -	\$400,000	(T)
UNION	ROAD) INTERSECTION. RECONFIGURE TO	CONSTRUCTION	FY 2017 -	<u>\$1,750,000</u>	(T)
PROJ.CATEGORY	SUPERSTREET.			\$2,150,000	
STATEWIDE	<u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17.</u>				
	<u>PROJECT CAN BE DELIVERED EARLIER THAN</u>				
	<u>ANTICIPATED.</u>				

DIVISION 11

* I-5801	I-77, 1.2 MILES NORTH OF US 21 TO SR 1131 (FAX	CONSTRUCTION	FY 2016 -	<u>\$1,600,000</u>	(NHPIM)
SURRY	WELBORN ROAD). PAVEMENT REHABILITATION.			\$1,600,000	
PROJ.CATEGORY	<u>BASED ON INTERSTATE MAINTENANCE NEEDS,</u>				
STATEWIDE	<u>MODIFY PROJECT SCOPE AND FUNDING.</u>				

DIVISION 13

* EB-5547	NEW ROUTE, CONSTRUCT NEW MULTI-USE PATH	ENGINEERING	FY 2016 -	\$120,000	(STPDA)
BUNCOMBE	FROM EXISTING FLAT CREEK GREENWAY TRAILHEAD		FY 2016 -	<u>\$30,000</u>	(L)
PROJ.CATEGORY	NEAR STATE STREET AND CHARLOTTE STREET TO			\$150,000	
DIVISION	EXISTING RIVERSIDE GREENWAY NEAR RIVERSIDE				
	PARK AND EXTENSION WEST OF NC 9 NEAR EXISTING				
	CULVERT.				
	<u>FUNDING PROGRAMMED FOR RIGHT OF WAY</u>				
	<u>TRANSFERRED TO PRELIMINARY ENGINEERING AT</u>				
	<u>THE REQUEST OF THE MPO.</u>				

* EB-5790	ASHEVILLE, ON-STREET CROSSINGS AND	ENGINEERING	FY 2016 -	\$96,000	(TAPDA)
BUNCOMBE	CONNECTIONS FOR BICYCLISTS AND PEDESTRIANS IN		FY 2016 -	<u>\$24,000</u>	(L)
PROJ.CATEGORY	ASHEVILLE'S EAST OF THE RIVERWAY.			\$120,000	
DIVISION	<u>FUNDING PROGRAMMED FOR CONSTRUCTION</u>				
	<u>TRANSFERRED TO PRELIMINARY ENGINEERING AT</u>				
	<u>THE REQUEST OF THE MPO.</u>				

I-5750	I-40, WEST OF US 25 (HENDERSONVILLE ROAD) TO	CONSTRUCTION	FY 2016 -	<u>\$1,700,000</u>	(NHPIM)
BUNCOMBE	EAST OF SR 3075 (ONTEORA BOULEVARD). BRIDGE			\$1,700,000	
PROJ.CATEGORY	REHABILITATION.				
STATEWIDE	<u>INCREASE FUNDING BASED ON LATEST ESTIMATE.</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, April 07, 2016

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM
STIP DELETIONS

DIVISION 7

* EB-5717	EAST LINDSAY STREET, MURROW BOULEVARD TO	CONSTRUCTION	FY 2018 -	<u>\$170,000</u>	(SRTS)
GUILFORD	BESSEMER AVENUE IN GREENSBORO. CONSTRUCT			\$170,000	
PROJ.CATEGORY	SIDEWALK ON NORTH SIDE.				
DIVISION	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT EB-5716</u>				

DIVISION 11

* I-5749	I-77, SR 1341 (WHITE DIRT ROAD) TO 1.3 MILES NORTH	CONSTRUCTION	FY 2016 -	<u>\$1,600,000</u>	(NHPIM)
SURRY	OF SR 1345 (BEULAH ROAD). PAVEMENT			\$1,600,000	
PROJ.CATEGORY	REHABILITATION.				
STATEWIDE	<u>DELETE PROJECT, THIS SECTION OF ROAD WAS RECENTLY RE-SURFACED.</u>				

* I-5803	I-77, SR 1314 (WHITE DIRT ROAD) TO 1.3 MILES NORTH	CONSTRUCTION	FY 2018 -	<u>\$2,300,000</u>	(NHPIM)
SURRY	OF SR 1345 (BEULAH ROAD). PAVEMENT			\$2,300,000	
PROJ.CATEGORY	REHABILITATION.				
STATEWIDE	<u>DELETE PROJECT, THIS SECTION OF ROAD WAS RECENTLY RE-SURFACED.</u>				

ITEM N SUMMARY

ADDITIONS	2 PROJECTS	\$19,273,000
MODIFICATIONS	19 PROJECTS	
DELETIONS	3 PROJECTS	\$4,070,000
	24 PROJECTS	\$15,203,000

* INDICATES FEDERAL AMENDMENT

Thursday, April 07, 2016

NCDOT April 7, 2016 Board of Transportation Agenda

SUMMARY: There are a total of 31 Agreements for approval by the Board of Transportation.

Statewide

North Carolina State Ports
Authority (NCSPA)

This Agreement is to provide support services for NCSPA's users and normal maintenance of the Department's SAP™ System. The Department and Agency have agreed to provide up to one hundred twenty-five (125) SAP™ User Licenses within the Agency. The Agency shall provide payment for 100% of the cost of the work performed by the Department. The estimated annual amount is \$56,000.

North Carolina Global Transport
(NCGT)

This Agreement is to provide support services for NCGT's users and normal maintenance of the Department's SAP™ System. The Department and Agency have agreed to provide up to twenty (20) SAP™ User Licenses within the Agency. The Agency shall provide payment for 100% of the cost of the work performed by the Department. The estimated annual amount is \$5,000.

North Carolina Department of
Natural and Cultural Resources
30001.95

This Project consists of fabricating and installing highway directional signs for State Park Units throughout the entire State. The Agency shall reimburse the Department 100% of the actual cost of the work performed by the Department, associated with the installation of said signs. The estimated cost of the work \$30,000.

Norfolk Southern Railway
Company
(NSR)
80000.2.3.2

This Rail Agreement covers approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the installation of "Yield" and "Stop" signs at various public highway-railroad at-grade crossing locations throughout the state. The Department will furnish to NSR the signs and the necessary material for installation of the signs. NSR will provide the labor and equipment necessary to perform the installation of the sign assemblies. The Department will reimburse NSR a lump sum amount of \$200 for each location, upon notification that the project has been completed. The estimated cost of the project is \$30,000.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 2

Marine Corps Base
Camp Lejeune Railroad
(Railroad)
Carteret County
Z-5400 BH/BI

This Rail Agreement consists of the installation of traffic operation control and devices at two (2) public highway-rail at-grade crossings on Camp Lejeune Railroad. The Department, and/or its consultant, will prepare the plans, specifications, and estimates for review and approval by the Railroad for the installation of signal systems, signs, and necessary hardware. The Department, and/or its contractor, will construct the improvements within the Railroad's existing right-of-way limits and/or easements. The Railroad will be responsible for the maintenance of the signal devices. All work will be performed at no expense to the Railroad. The estimated cost of the project is \$550,000.

Carolina Coastal Railway, Inc.
(CLNA)
Pitt County
80000.3.3.20

This Rail Agreement consists of approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds to assist Carolina Coastal Railway, Inc. with the construction of 600 foot second track to the existing Greenville trans load facility located at milepost NS Main 151.1. CLNA will perform all phases of the work. The Department will participate in the cost of the project to the extent of 50% or up to \$50,000, whichever is less. The estimated cost of the project is \$102,317.

Division 3

Town of Wallace
Duplin County
42894

This Rail Agreement consists of the general cleanup of the NCDOT owned rail corridor from Cliff Street south to the municipal limits. Cleanup shall include removal and disposal of all debris, grass mowing, and vegetation control. The Municipality will perform the work. The Department will reimburse the Municipality \$2,500 per year. The Agreement will remain in effect for five (5) years (2016-2020). Estimated cost to the Department is \$12,500.

Town of Magnolia
CSX Transportation, Inc. (CSXT)
Duplin County
Y-5500CA

This Rail Agreement consists of the permanent closure of the municipal highway-railroad at-grade crossing on Bleeker Street (Crossing # 630 043K, milepost AC 196.63). The Department will perform all specified work not on railroad right-of-way. CSXT will perform all work within its right-of-way. CSXT will contribute \$4,000 for all work performed by the Department. The estimated cost to the Department is \$60,000. As mitigation for the crossing closure, the Department, at no cost to the Municipality, will install signals and gates at the existing highway-railroad at-grade crossing on Sandy Street (Crossing # 629,044S, milepost AC 196.82). The Municipality will be responsible for 50% of the maintenance cost of the crossing signals.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 4

County of Halifax
Halifax County
80000.3.1.3

This Rail Agreement consists of approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds to assist Halifax County with the construction of a new 6,523 foot rail industrial access spur track, off of the CSXT A line at milepost 92.00, to serve Klausner Lumber. The County, and/or its agent, will perform all phases of the work. The Department will participate in the cost of the project in a lump sum amount of \$200,000.

Nash County
80023

The Project consists of construction of a 760 linear foot road extension of Corporation Parkway to serve Draka Elevator Products in the Whitakers Business and Industry Center. Department shall participate in the actual Project costs, through Economic Development funds, up to a maximum amount of \$45,725. The estimated cost is \$45,725. Costs which exceed this amount shall be borne by the County.

Division 5

CSX Transportation, Inc. (CSXT)
Wake County
P-5500
44092

On May 26, 2015, the Department and CSXT entered into an Addendum #5 to the Railroad Master Construction Agreement that consists of grading and crash wall construction for the relocated CSXT S Line associated with the improvements to the new Raleigh Union Station. The Department agreed to reimburse CSXT 100% of the actual eligible construction cost. The estimated cost of the Project was \$1,700,000. In March 2016, this agreement cost was increased to \$2,700,000 to cover estimated cost increases attributed to mobilization, demobilization, earthwork, soldier pile and retaining wall, crash wall, and roadway work. A previous cost increase was approved by the Board of Transportation on March 3, 2016 through Supplemental Agreement #1 to Addendum #5. Bids were received by CSXT which exceeded the approved \$2,700,000. This Supplemental Agreement #2 to Addendum #5 changes the estimated cost from \$2,700,000 to \$3,900,000 and shall be funded 100% from ARRA funds.

Norfolk Southern Railway
Company (NS)
North Carolina Railroad Company
(NCRR)
Wake County
P-5500
44092

This Rail Agreement provides for NS to make a financial contribution to the Department with respect to the closing of an encroaching private highway-railroad at-grade crossing located within the NCRR Corridor (Crossing # 84.9, milepost H 84.9). The Department will provide NCRR a Crossing Release Agreement and Quitclaim Deed upon the crossing closure. NS's financial obligation to the Department is \$20,000. There will be no cost to the Department.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 5, cont'd.

Town of Apex
Wake County
B-5161
42336.1.1
42336.2.1
42336.3.1

This Project consists of the replacement of Bridge No. 362 over Beaver Creek on SR 1162 (Apex Barbecue Road). At the request of the Municipality, additional work to be included within the scope of the Project shall include the construction of sidewalk and raising the grade and lengthening the Bridge to accommodate a planned greenway. The Municipality will reimburse the Department (\$464,791) 30% of the actual cost of the work associated with the construction of the sidewalk and greenway. The total estimated cost of the work is \$1,549,303.

City of Raleigh
Wake County
B-5121 / B-5317
42263.1.1
42263.2.1
42263.3.1

This Project consists of the replacement of the bridge on US 70 / US 401 / NC 50 (Capital Boulevard) over Peace Street and the bridge on US 70 / NC 50 (Wade Avenue) over US 401 (Capital Boulevard) in Raleigh. At the request of the Municipality, additional work to be included within the scope of the project shall include interchange modifications at Peace Street, the extension of a culvert under Peace Street, streetscape elements, lighting, sidewalks, additional work to Peace Street bridge, bike lanes, greenway at Wade Avenue interchange and improvements on the City Streets including but not limited to Peace Street, W. Johnson Street, Harrington Street and Johnson Street. The Department is responsible for all phases of the work. The Municipality is participating in the cost of all the betterments in the Project at an estimated cost of \$20,715,915. The estimated cost of the project is \$30,700,000.

Division 6

City of Fayetteville
Cumberland County
U-5742
50164.1.R1
50164.3.R1

The Project consists of the modernization of the existing computerized traffic signal system and expansion of the Municipality's computerized traffic signal system with new state-of-the-art equipment. This Supplemental Agreement is to expand the scope, increase funds, and to revise the Project funding provision. The Department's original participation was \$4,870,000. The Department agrees to participate in additional cost up to a maximum of \$941,381. The Municipality's original participation was \$130,000. The Municipality agrees to provide an additional \$58,619. The estimated cost of the project is \$6,000,000.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 6, cont'd.

Columbus County
6C.024124

The Project consists of grade, drain, base, and pave access to county landfill (SR 1451 – Landfill Road). The Department shall be responsible for all phases of work and for all costs of the Project. The County will provide right of way at no cost and will allow the Department to utilize the landfill for dumping purposes in lieu of payment. The estimated cost of the project is \$200,000.

City of Fayetteville
Cumberland County
Z-5400FX

This Rail Agreement consists of installation of automatic warning devices and upgrades to approaches at Norfolk Southern Railroad's (NS) municipal highway-railroad at-grade crossing on Dobson Drive (Crossing # 904 420D, milepost 36.200 VF) within the Municipality. The Department will arrange for NS to prepare plans and perform the installation of the automatic warning devices pursuant to the Master Agreement. The Municipality will prepare the plans and perform any necessary approach work. NS will be responsible for all maintenance of the warning devices. The Municipality will be responsible for the following: (1) reimbursing the Department for 10% of the actual cost of the warning device installation work; (2) 100% of any cost not reimbursed by FHWA; and (3) 50% of NS's cost of maintenance of the warning devices pursuant to GS 160A-298(c). The estimated cost of the project is \$250,000.

Divisions 6 & 8

Town of Maxton
CSX Transportation, Inc. (CSXT)
Robeson, Scotland Counties
Y-5500FC

This Rail Agreement consists of the permanent closure of the municipal highway-railroad at-grade crossing on Third Street (Crossing # 630 976K, milepost SE 276.28). The Department will perform all work not on railroad right-of-way. CSXT will perform all specified work within its right-of-way. CSXT will contribute \$4,000 for all work performed by the Department. The estimated cost to the Department is \$170,000. As mitigation for the crossing closure, the Department, at no cost to the Municipality, will overlay pavement on both Central Avenue and Wilmington Street between Patterson and Third Street; install signals and gates at the existing highway-railroad at-grade crossing on Malloy Street (Crossing # 630 952W, milepost SE 275.44) and First Street (Crossing # 630 975D, milepost 276.10), and extend the existing fence along the rail corridor from existing terminus point east of Patterson to the proposed flasher on the west side of First Street. The Municipality shall be responsible for 50% of the maintenance cost of the crossing signals and 100% of the maintenance cost of the fencing.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 7

Norfolk Southern Railway
Company (NS)
North Carolina Railroad Company
(NCR)
Orange County
P-4405I
43219.2.STR01P4405I
62000.7.STR20T4

This Rail Agreement is an Addendum to the NS Master Project Construction and Maintenance Agreement (MPCMA) and covers the permanent closure and removal of the Private Vehicular Access (PVA) highway-railroad at-grade crossing at Gordon Thomas Drive (Crossing #735 199Y, milepost H 48.49). NS will be responsible for (1) removal of roadway improvements within the NCR Corridor; (2) re-establishment of railroad ditches; and (3) all flagging. The Department will be responsible for all permitting and utility relocation. The Department will perform work associated with installation of signage and barricades, landscaping, and coordinating the closure and removal of the PVA. NS will reimburse the Department \$19,000 toward the costs of construction. The estimated cost of the crossing closure is \$10,000; the entire cost of the project, including the alternate access construction, is \$750,000 and funded 100% with ARRA funds.

Norfolk Southern Railway
Company (NS)
North Carolina Railroad Company
(NCR)
Orange County
P-4405J
43219.2.STR01P4405J
62000.7.STR25T4

This Rail Agreement is an Addendum to the NS Master Project Construction and Maintenance Agreement (MPCMA) and covers the permanent closure and removal of the Private Vehicular Access (PVA) highway-railroad at-grade crossing at Greenbriar Drive (Crossing #735 197K, milepost H 47.74). NS will be responsible for (1) removal of roadway improvements within the NCR Corridor; (2) re-establishment of railroad ditches; and (3) all flagging. The Department will be responsible for all permitting and utility relocation. The Department will perform work associated with installation of signage and barricades, landscaping, and coordinating the closure and removal of the PVA. NS will reimburse the Department \$19,000 toward the costs of construction. The estimated cost of the crossing closure is \$10,000; the entire cost of the project, including the alternate access construction, is \$750,000 and funded 100% with ARRA funds.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 7, cont'd.

Norfolk Southern Railway
Company (NS)
North Carolina Railroad Company
(NCRR)
Orange County
P-4405K
43219.2.STR01P4405K
62000.7.STR30T4

This Rail Agreement is an Addendum to the NS Master Project Construction and Maintenance Agreement (MPCMA) and covers the permanent closure and removal of the Private Vehicular Access (PVA) highway-railroad at-grade crossing at Byrdsville Road (Crossing # 735 199Y milepost H 48.49). NS will be responsible for (1) removal of roadway improvements within the NCRR Corridor; (2) re-establishment of railroad ditches; and (3) all flagging. The Department will be responsible for all permitting and utility relocation. The Department will perform work associated with installation of signage and barricades, landscaping, and coordinating the closure and removal of the PVA. NS will reimburse the Department \$26,000 toward the costs of construction. The estimated cost of the crossing closure is \$10,000; the entire cost of the project, including the alternate access construction, is \$1,600,000 and funded 100% with ARRA funds.

City of Hillsborough
Orange County
P-4405K
62000.7.STR30T4

This Rail Agreement consists of the cost of the installation of a new 4" waterline to serve the residents of Byrdsville Mobile Home Park affected by the project to extend Byrdsville Road from NS/NCRR to NC 86, and close a private highway-railroad at-grade crossing (Crossing # 735 189T, milepost H 43.90). The new waterline is also required due to a contaminated well. The Department will include this utility work in its construction contract. The Municipality will be responsible for 100% maintenance of the waterline. The Municipality will reimburse the Department for 50% of the cost of the new waterline. The estimated cost of the project is \$50,000 and funded 100% with ARRA funds.

Division 9

Village of Clemmons
Forsyth County
U-5551
46310.1.1
46310.3.1

This Supplemental Agreement changes the responsibilities of letting the construction contract and providing administration and construction engineering and inspection from the Department to the Municipality. The Department shall reimburse eligible costs of construction up to \$1,900,000. The Municipality shall be responsible for all costs that exceed the available funding.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 9, cont'd.

City of Winston-Salem
Forsyth County
U-4741OI
39745.1.26
39745.2.26
39745.3.26

This Project consists of the construction of a 2,800 foot, 10 foot wide greenway trail with concrete shoulders from Martin Luther King Jr. Drive south to Fogle Street in Winston-Salem. This Supplemental Agreement modifies the Project Scope to end at Wake Forest Innovation Quarter (WFIQ) Rails with Trail South Project and modifies the Funding to include the substitution of some the allocated Surface Transportation Program – Direct Allocation (STP-DA) funding with Transportation Alternatives Program – Direct Allocation (TAP-DA). The Department's original participation was \$4,400,000. The Department's total participation has remained unchanged under the funding modification.

Division 10

City of Charlotte
Mecklenburg County
U-5805
44377.3.1

This Project consists of the installation of dual left-turn lanes at all four approaches at the intersection of Monroe Road (SR 1009) and Rama Road/Idlewild Road along with various intersection improvements including signal modification, pedestrian crosswalks, and pavement markings. The Department shall participate in the costs of the project in an amount not to exceed \$1,395,000. Costs which exceed this amount shall be borne by the Municipality.

City of Charlotte
Mecklenburg County
P-2918F
49999.2.STR8

This Rail Agreement consists of the relocation and adjustment of municipally-owned utilities in conflict with improvements to the Locomotive and Railcar Maintenance Facility in Charlotte (LRMF). The Municipality owns water and sewer lines that are located within the proposed project area, both on Department owned property and Norfolk Southern Railroad (NS) owned property. The Department will perform the work. The Municipality will reimburse the Department all costs associated with the municipally-owned utility work performed on NS property. Estimated cost of the municipally-owned utility work on NS property is \$500,000 and funded 100% with ARRA funds.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 10, cont'd.

E-Z Parking, Inc.
(Lessee)
Mecklenburg County
32213

The Department (Lessor) and the Lessee propose to enter into a Rail Lease Agreement to use the Lessee's property for commercial parking purposes. The Lease includes the terms and conditions by which the Lessor shall occupy and operate the real property located at 531 West Fourth Street in Charlotte. The Lease will retroactively begin February 1, 2016, and will continue for a period of one (1) year with an option to renew for up to one (1) additional year. The Lessor will pay the Lessee a monthly lease amount of \$15,477 for January through July, and \$20,997 for August through December, for a total of \$213,324 annually.

Division 11

Town of Blowing Rock
Watauga County
EB-5798
44651.1.1
44651.3.1

This Project consists of the construction of a sidewalk along NC 221 from US 321 Business to the entrance of Moses Cone Estate and Bass Lake. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80.98% of approved eligible costs from the Federal Lands Access Program (FLAP) funds allocation, not to exceed \$987,956. The Municipality will be responsible for providing the 19.02% (\$232,044) non-federal match for the FLAP funds authorized and all costs that exceed the total available funding of \$1,220,000.

Division 12

Town of Mooresville
Iredell County
12.10149M

This Municipal Operations Agreement (Schedule C) consists of the operation of the traffic signals at certain intersections on the State Highway System within or near the Town of Mooresville. The Department shall reimburse the Municipality based on an annual approved amount of applicable traffic control devices utilized for the operation and maintenance of the system.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 13

City of Asheville
Buncombe County
EB-5790
46444.1.1

This Project consists of the design of a network of on-road connectors for the three greenways, Beaucatcher, Town Branch and Clingman Forest, each of which terminate in or near Asheville's east of the Riverway and South Slope areas. These on-road connectors consist of bike lanes, sidewalks, and wayfinding signage to direct users between each of the greenway trailheads. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% (\$96,000) of approved eligible costs from TAP funds. The Municipality will be responsible for providing the 20% (\$24,000) non-federal match and all costs that exceed the total estimated costs of \$120,000.

Division 14

City of Asheville
Avadim Technologies,
Inc.(Lessee)
41930

The Department, the Municipality, and Avadim Technologies propose to enter into a two (2) year Rail Lease Agreement for the use of an approximately 18,456 square foot building, parking area and grounds located at 81 Thompson Street. The Department holds 9/10th interest in the property, and the Municipality holds 1/10th interest in the property. The Lessee will lease the property for office/warehouse, manufacturing, and distribution purposes only. The Lease will begin May 1, 2016 and expire on April 30, 2018, with an option to renew for three (3) additional one-year periods. The Lessee will pay the Department an annual rental rate of \$129,192 for the first year of the lease, \$143,034 for the second year, and, if the lease is renewed, \$156,876 annually for the third, fourth and fifth years. The Department will remit 1/10th of the monthly payments to the Municipality.

NCDOT April 7, 2016 Board of Transportation Agenda

SUMMARY: There are a total of 27 Agreements for informational purposes only.

Division 1

Town of Duck
Dare County

The Memorandum of Agreement (MOA) establishes the terms and conditions for installation, data access, ownership and maintenance of Department specialized pedestrian and cyclists counting equipment, related to the "2015-2018 Evaluating the Economic Impact of Shared Use Paths in NC" research project. The Municipality will be responsible for equipment installation and routine maintenance costs through the useful life of the equipment as defined in the agreement.

Division 2

City of Greenville
Pitt County
36249.3590

This Project consists of an emergency culvert repair on Third Street to provide safe pedestrian access between a residential area and downtown Greenville. Work was completed on January 21, 2016. The Municipality shall reimburse the Department one hundred percent (100%) of the actual cost of the Department's work. The estimated reimbursement is \$24,088.41.

Division 3

Walmart Stores, Inc.
Onslow County
36249.3607

This Project consists of traffic signal review and inspection for the traffic signal at NC 24 and SR 1511 (Hammocks Beach Road) [SIN 03-1011] related to the Swansboro Retail Center development. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

Bragg Road Development
Company, LLC
New Hanover County
36249.3606

This Project consists of traffic signal review and inspection for the traffic signal at NC 132 (South College Road) and Bragg Drive [SIN 03-0924] related to the Publix Grocery Store development. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

Division 4

Town of Nashville
Nash County
44185.3.1

The Project consists of the installation of roadway lighting at the interchange of US 64 Bypass and NC 58 (Washington Street) in Nashville. The Department shall plan, design, construct, and maintenance the Project. The Municipality shall pay for electrical services upon completion of Project. The estimated cost of the project is \$376,000.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 5

Sheetz
Wake County
36249.3609

This Project consists of traffic signal review and inspection for the traffic signal at US70 (Glenwood Avenue) at Westborough Drive/Pinecrest Road. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

Wake Stone Corporation
Wake County
36249.3611

The Project consists of the costs and the installation of three "Hinton Oaks Industrial Park" signs: two on US 64 Business and one on I-540 at exit 24. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$2,597.

TKC CCXVIII, LLC
Granville County
36249.3605

The Project consists of review and inspection for upgrading the existing signal (06-2197) at US 158 (Williamsboro Street) and the entrance to Revlon. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

City of Raleigh
Wake County
5.209211A

This Project consists of the construction of two drainage structures and pipe connections at the intersection of Hammond Road and Rush Street, as well as replacing the necessary sidewalk and curb removed for the construction of the improvements. The Municipality shall reimburse the Department one 100% of the actual cost of all work performed by the Department. The estimated cost of the project is \$60,000.

Meritage Homes of the Carolinas, Inc.
Wake County
36249.3616

This Project consists of signal upgrades on NC 55 at Petty Farm Road/Mahal Drive. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

Division 7

Town of Carrboro
Orange County
U-4726DE
36268.3.F26

The Project consists of construction of a multi-use path from Bolin Creek to the vicinity of Chapel Hill High School south of Homestead Road in Carrboro. This Agreement is to extend the completion date of the Project to September 23, 2017 in lieu of December 31, 2014.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 9

Town of Granite Quarry
Rowan County
44676

This Project consists of repairing 80' of curb and gutter and curb inlet on US 52 in Granite Quarry. The Department will participate up to a maximum amount of \$24,000 in Small Construction funds. Costs which exceed this amount shall be borne by the Municipality.

Town of Lewisville
Forsyth County
36249.3614

This Project consists of installing landscape plantings at the round-about and traffic island located at the intersection of Shallowford and Williams Roads in Lewisville. The Department is responsible for phases of the work. The Municipality shall reimburse the Department 100% of the actual cost of all work. The estimated cost is \$21,744.

Morgan Property Group Mid-Atlantic Commercial Properties
Forsyth County
36249.3615

This Project consists of the revising/reviewing Signal #09-0486 at SR 1103 (Lewisville-Clemmons Road) and SR 1891 (Peace Haven Road) and reviewing plans for a new traffic signal at SR 1891 (Peace Haven Road) and Village Club Lane. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual costs by the Department. The estimated reimbursement is \$7,500.

City of Winston-Salem
Forsyth County
U-47410I
39746.3.FD26

This Project consists of the construction of a greenway trail from Martin Luther King Jr. Drive to just south of Third Street in Winston-Salem. This Supplemental Agreement substitutes an equal amount of TAP-DA funding in lieu of STP-DA funding for the Project. The total reimbursable amount of \$4,400,000 by the Department has not changed. This Supplemental Agreement also slightly modifies the end point to coincide with the related project, WFIQ Rails to Trails, programmed under U-4918B.

Division 10

Cabarrus County
43370

This Project consists of the extension of Raging Road from the end of pavement of Stallings Road (SR 1161) near Harrisburg. This Supplemental Agreement is to provide additional funding for revised project costs. The Department to provide an additional \$100,000 to the project in Public Access Funds. The County to provide \$381,187 in additional funding.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 10, cont'd.

Lidl US Operations, LLC
Cabarrus County
36249.3586

This Project consists of the installation of a new traffic signal at the intersection of Dale Earnhardt Boulevard and Coldwater Ridge Drive/New Site Driveway including the installation of fiber communication cable and the development of coordinated timing plans. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual costs by the Department. The estimated reimbursement is \$5,000.

City of Charlotte
Mecklenburg County
U-5874
46437.1.1

This Project consists of the construction of a new bridge over I-85 in Mecklenburg County. This Agreement allows the Department to review documents and provide oversight in anticipation of the Project receiving federal transportation funds. The Municipality shall provide the Department \$75,000 for the Department's costs related to review of any phase of this Project. If the costs exceed this amount, the Municipality shall provide additional funding.

Charlotte-Mecklenburg Utilities
Mecklenburg County
I-4733
38063.3.1

This Project consists of the relocation and adjustment of a six inch and an eight inch water line and related water items and the relocation and adjustment of an eight inch gravity sewer line and related sewer items. CMU's original participation was \$91,084. CMU agrees to reimburse the Department an additional \$136,011 in additional funding for a total participation cost of \$227,095.

Division 11

Town of North Wilkesboro
Wilkes County

The Memorandum of Agreement (MOA) establishes the terms and conditions for installation, data access, ownership and maintenance of Department specialized pedestrian and cyclists counting equipment, related to the "2015-2018 Evaluating the Economic Impact of Shared Use Paths in NC" research project. The Municipality will be responsible for equipment installation and routine maintenance costs through the useful life of the equipment as defined in the agreement.

Town of Blowing Rock
Watauga County
ER-2973K
3711.3.21

This Project consists of landscape designs and plantings in the median of US 321 at the Blue Ridge Parkway in Blowing Rock. 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.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 12

Town of Troutman
Iredell 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.

Catawba County Schools
Catawba County
12.101811,12.201811

This Project consists of patching and resurfacing the school bus driveways at Claremont Elementary, Fred T. Foard High School, Jacob Fork Middle School and Tuttle Elementary School. The Agency shall be responsible for all phases of the Project. The Department shall participate in actual construction costs in an amount not to exceed \$47,252. Costs which exceed this amount shall be borne by the Agency.

Division 13

Buncombe County Board of
Education
Buncombe County
44557

This Project consists of signal and striping modifications including the addition of pedestrian signal phasing and corresponding standard crosswalks and the construction of an exclusive right turn lane on NC 112 with appropriate storage and taper lengths as shown on the plans. The Department shall provide the design plans and construction of the project. The Department will participate in the construction costs in the amount of \$50,000 with the County reimbursing the Department \$170,000 for total estimated project costs of \$220,000.

Division 14

Cherokee Enterprises, Inc.
Clay and Macon Counties
36249.3610

This Project consists of the installation and removal of temporary shoring of three posted bridges that include the installation and removal of timber in the waterway, jacking the bridges and installation of vertical members to provide additional support for the mid-span on the three posted bridges; two (2) bridges on SR 1326 (Tusquitee Road) in Macon County and one (1) bridge on Tuni Gap Road in Macon and Clay County. The Department shall be responsible for all phases of the Project. The Developer shall reimburse the Department \$15,000 for work performed by the Department. The estimated reimbursement from the Developer is \$15,000.

NCDOT April 7, 2016 Board of Transportation Agenda

Division 14, cont'd

Town of Andrews
Cherokee County
44240

This Project consists of sidewalk repairs at various locations throughout the municipality of Andrews. The Department shall be responsible for the planning and design of the Project and shall participate in actual construction costs in an amount not to exceed \$50,000. Costs which exceed this amount shall be borne by the Municipality.

Ingles Markets Incorporated
Henderson County
36249.3613

This Project consists of traffic signal #77 at the intersection of US 176 and Ingles Drive/Harris Teeter Drive in Hendersonville. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

NCDOT April 2016 Board of Transportation Agenda

Approval of Municipal Street System Changes

There will be no municipal street system changes presented for approval at the April 2016 Board meeting.

NCDOT April 2016 Board of Transportation Agenda

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

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 Unit 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 Unit to acquire right of way on the below projects either by negotiation or by condemnation through the Attorney General's Office.

(Division 3)

Onslow County; I.D. No. B-5157; Project No. 41922.2.2:

NC 53 (Burgaw Highway) from SR 1116 (Onslow Pine Road) to SR 1105 (Haws Run Road) (combined with R-5023C; NC 53 from SR 1105 (Haws Run Road) to West of SR 1109 (Holly Shelter Road), (combined with SF-4903F; to install a left turn lane along NC 53 and realign SR 1109 (Holly Shelter Road))

(Division 4)

Wayne County; I.D. No. W-5500; Project No. 45472.2.FD1:

SR 1556 (Wayne Memorial Drive) from SR 1622 (Woodside Drive) to SR 1752 (Saulston-Patetown Road)

Johnston County; I.D. No. W-5601BW; Project No. 50138.2.76:

NC 42 at SR 1525 (Cornwallis Road)

(Division 5)

Wake County; I.D. No. C-5165; Project No. 46230.2.F1:

SR 3112 (Cary Parkway) and SR 1615 (High House Road), construct a single quadrant intersection

Preliminary Right of Way Plans (continued)

(Division 5) continued

Person County; I.D. No. B-5102; Project No. 42237.2.2:
Bridge No. 11 over South Hyco Creek on US 158 (Utility)

(Division 10)

Union County; I.D. No. W-5601AE; Project No. 50138.2.32:
NC 522 from South Carolina State Line northward to SR 2166 (Trinity Church Road)

Union County; I.D. No. W-5520; Project No. 50092.2.1:
US 74 (Fairview Road) to Wesley Chapel Stouts Road in Indian Trail. (Convert existing full movement signalized intersections to signalized superstreet design)

Union County; I.D. No. U-51120; Project No. 42374.2.1:
SR 1357 (Potter Road) from SR 1364 (Pleasant Plains Road) to SR 1009 (Old Monroe Road)

(Division 12)

Iredell County; I.D. No. C-5200; Project No. 46251.2.1:
NC 115 and NC 150 in Mooresville, Construct Southbound NC 115 right turn lane at NC 150 and Westbound NC shared through-right lane at NC 115

(Division 13)

Rutherford County; I.D. No. B-5397; Project No. 46112.2.1:
Bridge No. 51 over Floyds Creek on SR 2213 (Bethany Church Road)

Burke County; I.D. No. B-5398; Project No. 46113.2.1:
Bridge No. 21 over Henry Fork River on SR 1803

(Division 14)

Macon County; I.D. No. BD-5114AG; Project No. 45360.2.FD33:
Bridge No. 64 over Watauga Creek on SR 1328

Transylvania County; I.D. No. BD-5114AD; Project No. 45360.2.FD30:
Bridge No. 86 over East Fork French Broad River on SR 1107

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 5)**Project No. 42332.2.FD1; Granville County; I.D. No. B-5157:**

Grading, drainage, paving and structure on Bridge No. 178 over Fox Creek on SR 1304 with the right of way indicated upon the final plans for said project.

(Division 6)**Project No. 40104.2.1; Columbus County; I.D. No. B-4948:**

Grading, drainage, paving and structure on Bridge No. 144 over Soules Swamp on SR 1429 with the right of way indicated upon the final plans for said project.

(Division 9)**Project No. 34845.2.2; Forsyth County; I.D. No. U-2707:**

Grading, drainage, paving, signals and structures in Clemmons – SR 3000 (Idols Road) from SR 2999 (Hampton Road) to US 158 (Clemmons Road) with the right of way indicated upon the final plans for said project.

(Division 10)**Project No. 42265.2.1; Cabarrus County; I.D. No. B-5123:**

Grading, drainage, paving and structures on Bridge No. 14 and 19 over Rocky River and access road to US 29 with the right of way indicated upon the final plans for said project.

(Division 13)**Project No. 38581.2.3; Rutherford County; I.D. No. B-4811:**

Grading, drainage, paving, structure and signals on Bridge No. 87 over the Broad River on US 64 with the right of way indicated upon the final plans for said project.

Final Right of Way Plans (continued)

(Division 13) (continued)

Project No. 46111.2.FD1; Buncombe County; I.D. No. B-5396:

Grading, drainage, paving and structure on Bridge No. 416 over Stony Fork Creek on SR 1103 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 7)

Project No. 34821.2.3; I.D. No. U-2525B; Guilford County:

Final Right of Way plans approved on the minutes of the July 10, 2014 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 37 as presented at the April 7, 2016 Board of Transportation Meeting.

(Division 11)

Project No. 34402.2.6; I.D. No. R-2237C; Caldwell & Watauga Counties:

Final Right of Way plans approved on the minutes of the December 1, 2011 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 4 & 5 as presented at the April 7, 2016 Board of Transportation Meeting.

Project No. 34518.2.FR2; I.D. No. R-2915B; Ashe County:

Final Right of Way plans approved on the minutes of the September 3, 2015 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 5 & 6 as presented at the April 7, 2016 Board of Transportation Meeting.

Approval of conveyance of Highway Right of Way Residues

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

(Division 7)

**Project 7C.041038, Parcel 041SR2025 001, Pearman Quarry in Kernersville
Guilford County**

Conveyance of an approximate 9.829-acre residue area to Christine E. Staub for the high bid amount of \$96,000.00.

**Project 7C.041038, Parcel 041SR2025 001, Pearman Quarry in Kernersville
Guilford County**

Conveyance of an approximate 4.736-acre residue area to Michael R. Dehaan, Sr. for the high bid amount of \$36,100.00.

**Project 34482.2.2, Parcel R-2611 083, SR 1008 (West Market Street) from SR 2007
(Bunker Hill Drive) at Colfax to NC 68
Guilford County**

Conveyance of an approximate 0.399-acre residue area to Richard Dickerson and Paul Lamb, for the high bid amount of \$12,500.00.

**Project 34482.2.2, Parcel R-2611 084, SR 1008 (West Market Street) from SR 2007
(Bunker Hill Drive) at Colfax to NC 68
Guilford County**

Conveyance of an approximate 0.306-acre residue area to Richard Dickerson and Paul Lamb, for the high bid amount of \$12,500.00.

**Project 34482.2.2, Parcel R-2611 034, SR 1008 (West Market Street) from SR 2007
(Bunker Hill Drive) at Colfax to NC 68
Guilford County**

Conveyance of an approximate 0.300-acre residue area to Steve P. Gray, for the high bid amount of \$12,650.00.

(Division 11)

**Project 34783.2.3, Parcel U-2211B 062, SR 1001 (Hilbritten Drive) from US 321A
(Norwood Street) to SR 1712 (Starcross Road) East of US 321
Caldwell County**

Conveyance of an approximate 0.560-acre residue area to Jerry M. Bevins, for the high bid amount of \$31,000.00.

CONVEYANCE ROW RESIDUE

6 PROJECT(S)

\$200,750.00

Approval of Conveyance of Permanent Easement

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

(Division 6)

**Project 9.8069728, Parcel U-2103BA 039, Morganton Road East of Longbranch Drive
Cumberland County**

The Department acquired property from the North Carolina Natural Gas Corporation for the construction near Morganton Road. Piedmont Natural Gas Company, Inc. has requested an approximate 0.005-acre permanent utility easement to rebuild the existing regulator station across the property. The Department has determined that the conveyance of the permanent utility easement would cause no damage to the residue property. Piedmont Natural Gas Company, Inc. has agreed to the conveyance for no monetary consideration.

(Division 12)

**Project 8.1810105, Parcel R-0212BC 070, US 321 from CSX Railroad to NC 27/150 near Lincolnton
Lincoln County**

The Department acquired property from Oreta Ramseur, unmarried and Mary A. Ramseur, widow of Howard Ramseur for the construction near NC 150/27 near Lincolnton. Piedmont Natural Gas Company, Inc. has requested an approximate 0.080-acre permanent utility easement and a 0.340 temporary construction easement for the installation of a new gas pipeline across the property. The Department has determined that the conveyance of the permanent utility easement and temporary construction easement would cause no damage to the residue property. Piedmont Natural Gas Company, Inc. has agreed to the conveyance for the amount of \$2,000.00.

Approval of conveyance of Surplus Highway Right of Way

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

(Division 10)

**Project 8.T671005, Parcel U-0209C 047, US 74, Independence Blvd from
Brookshire Freeway to Eastway Drive
Mecklenburg County**

Conveyance of an approximate 0.599-acre surplus right of way area to Cole Properties & Investments, Inc. for no monetary consideration.

CONVEYANCE OF SURPLUS RIGHT OF WAY	1 PROJECT(S)	\$0.00
------------------------------------	--------------	--------

R-ITEM SUMMARY	31 PROJECT(S)	TOTAL: \$202,750.00
-----------------------	----------------------	----------------------------

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

There will be no Maintenance Allocation submitted to the Board for approval at the April 2016 Board meeting.

March 21, 2016

MEMORANDUM TO: Board of Transportation

FROM: Transportation Planning Branch

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

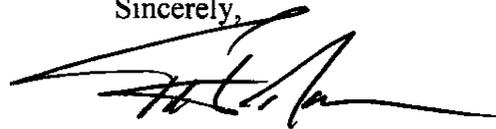
The Transportation Planning Branch has worked cooperatively with Sampson County, and the incorporated municipalities within the county, on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by Sampson County on November 2, 2015, the Town of Autryville on October 20, 2015, the City of Clinton on October 6, 2015, the Town of Harrells on November 10, 2015, the Town of Newton Grove on November 9, 2015, the Town of Turkey on November 17, 2015, the Town of Garland on November 10, 2015, and the Town of Roseboro on November 10, 2015, and the Town of Salemburg on October 15, 2015. The Mid-Carolina RPO endorsed the plan on January 26, 2016.

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

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

The Transportation Planning Branch recommends the mutual adoption of the Sampson County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of March 11, 2016.

Sincerely,



Patrick Norman, P.E.
Director, Division of Planning and Programming
(For Manager, Transportation Planning Branch)

Attachment

April 7, 2016

Adopted by:

Sampson County
Date: 11/2/2015
Town of Autryville
Date: 10/20/2015
City of Clinton
Date: 10/6/2015

Town of Harrells
Date: 11/10/2015
Town of Newton Grove
Date: 11/9/2015
Town of Turkey
Date: 11/17/2015

Town of Garland
Date: 11/10/2015
Town of Roseboro
Date: 11/10/2015
Town of Salemburg
Date: 10/15/2015
NCDOT
Date:

Endorsed by:

Mid-Carolina RPO
Date: 1/26/2016

Recommended by:

Transportation Planning Branch
Date: 3/11/2016

NOTES:

Town of Falcon: Refer to Fayetteville Urban Area CTP



**Sampson County
Planning Area**

**Comprehensive
Transportation Plan**

Plan date: 8/27/2015

RECOMMENDED

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

- Airports
- Schools
- Roads
- Water Bodies
- Rivers and Streams
- Railroad
- County Boundary
- Municipal Boundaries

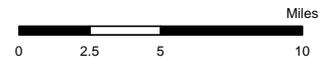
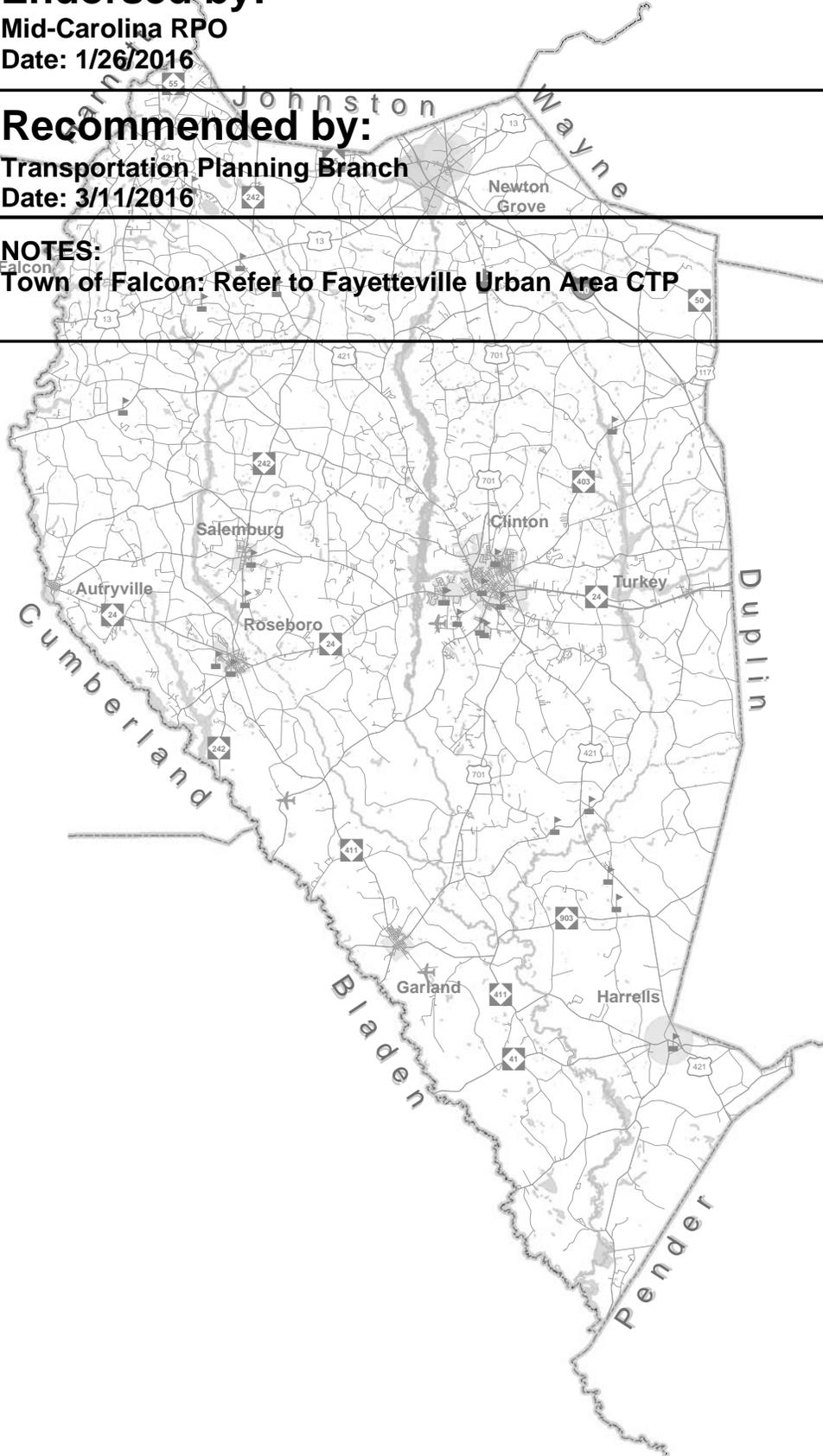


Figure 1

Sheet 1 of 5

Base map date: 10/8/2013

Refer to CTP document for more details



March 21, 2016

MEMORANDUM TO: Board of Transportation

FROM: Transportation Planning Branch

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

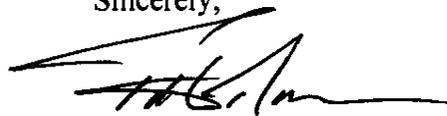
The Transportation Planning Branch has worked cooperatively with Bladen County, and the incorporated municipalities within the county, on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by Bladen County on November 16, 2015, the Town of Bladenboro on October 12, 2015, the Town of Clarkton on October 6, 2015, the Town of Dublin on October 19, 2015, the Town of East Arcadia on October 12, 2015, the Town of Elizabethtown on November 3, 2015, the Town of Tar Heel on November 10, 2015, and the Town of White Lake on October 13, 2015. The Mid-Carolina RPO endorsed the plan on January 26, 2016.

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

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

The Transportation Planning Branch recommends the mutual adoption of the Bladen County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of March 17, 2016.

Sincerely,



Patrick Norman, P.E.
Director, Division of Planning and Programming
(For Manager, Transportation Planning Branch)

Attachment

April 7, 2016

Adopted by:

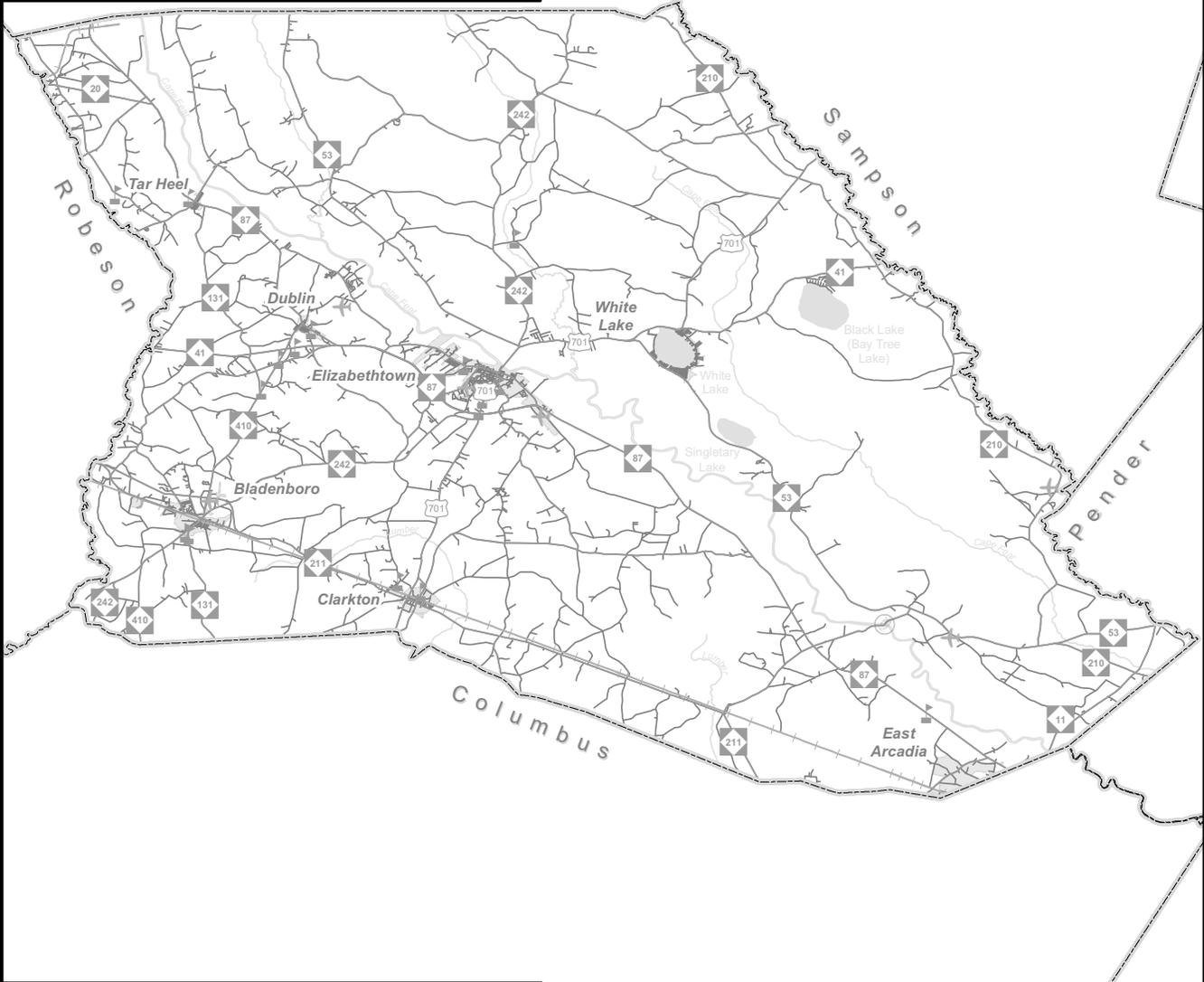
Town of Bladenboro Date: October 12, 2015
 Town of Tar Heel Date: November 10, 2015
 Town of Clarkton Date: October 6, 2015
 Town of White Lake Date: October 13, 2015
 Town of Dublin Date: October 19, 2015
 Bladen County Date: November 16, 2015
 Town of East Arcadia Date: October 12, 2015
 NCDOT Date:
 Town of Elizabethtown Date: November 3, 2015

Endorsed by:

Mid-Carolina RPO
 Date: January 26, 2016

Recommended by:

Transportation Planning Branch
 Date: March 17, 2016



NOTES:

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

Legend

- Elwell Ferry
- Airports
- Schools
- Railroads
- Roads
- Rivers & Streams
- Water Bodies
- Municipal Boundary
- County Boundary



Sheet 1 of 5

Base map date: January 2010

Refer to CTP document for more details



Bladen County
 North Carolina

RECOMMENDED

**Comprehensive
 Transportation Plan**

Plan date: October 5, 2015



Highway Maintenance Improvement Program

During the 2014 Legislative session, the North Carolina General Assembly established the Highway Maintenance Improvement Program (Session Law 2014-100, Section 34.11 a, b).

The Board of Transportation approves a three year improvement schedule for pavement preservation, resurfacing and rehabilitation activities with their anticipated cost and publishes the schedule on the Department's website by April 1st of each year.

Please click the link below to access the schedule

[FY2017-2019 Highway Maintenance Improvement Program \(HMIP\)](#)

RESOLUTION FOR DON BUIE

WHEREAS, the late Don Buie was a life-long conservationist as well as a dedicated leader for many years of youth and strived to advance youth skills in all areas, especially in scholarly education and in the North Carolina Wildlife Commission's Youth Hunter Safety Program; and

WHEREAS, Don Buie loved the outdoors and was a strong advocate of the preservation of all natural resources and wildlife in Sanford, Lee County and the State of North Carolina. He was a leader in the Central Carolina Paddlers, a canoeing group that led the region in river expeditions along Carolina rivers; and

WHEREAS, Don Buie was a member and leader of the Lee County Wildlife Club who led the group in outreach to the community in a number of effective programs; and

WHEREAS, Don Buie was a former Central Carolina Community College Dean of Continuing Education, touching many lives with compassion and understanding; and

WHEREAS, Don Buie was a historian, educating others about the history of the region, the industrial development along the rivers of North Carolina, the American Revolutionary War and the U.S. Civil War; and

WHEREAS, Don Buie was a collector of books, documents and other paraphernalia relating to the history of the region, and often spoke to various groups concerning events and people involving the early settlers of the area; and

WHEREAS, Don Buie, a committed Christian and Certified Lay Pastor, for many years spoke at churches throughout Lee County, encouraging others to lead a good and meaningful life and setting an example for others to follow; and

WHEREAS, the Lee County Board of Commissioners, Sanford City Council and the Central Carolina Community College Board of Trustees request to name a portion of Highway 421 By-pass near the Deep River as the *Don Buie Highway*.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the portion of Highway 421 By-pass, from U.S. 1 to the merge at Cumnock near the Deep River as the *Don Buie Highway*.

That appropriate signs will be erected at a suitable time.

Adopted, this the seventh day of April 2016 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation



Board of Transportation Meeting

April 7, 2016



*North Carolina Scenic Byway Program
Action Items*



North Carolina Scenic Byway Program – *action items*



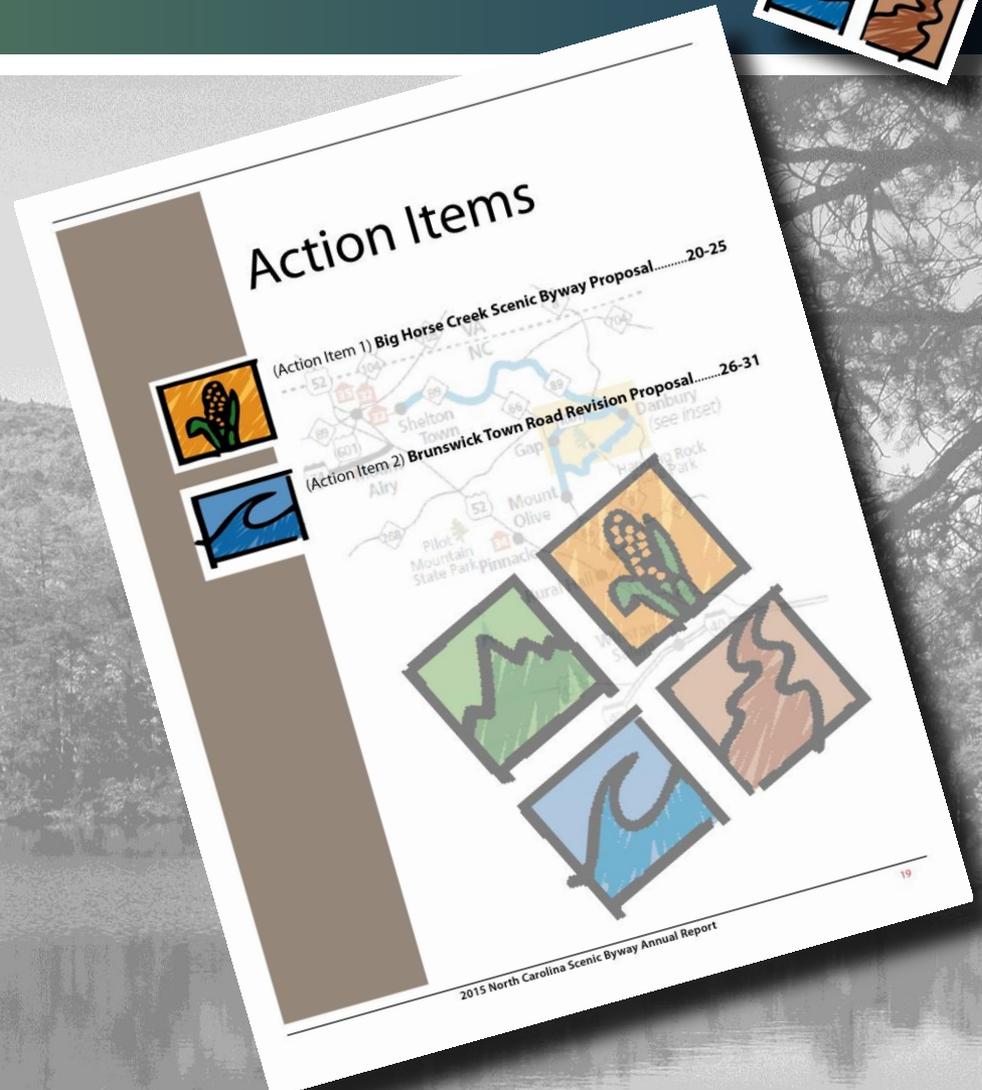
Action Items

❖ Scenic Byway Proposal

Big Horse Creek Scenic Byway

❖ Scenic Byway Revision

Brunswick Town Road



Action Item 1 – Big Horse Scenic Byway



North Carolina Scenic Byway Program – *action items*

Byway Proposal



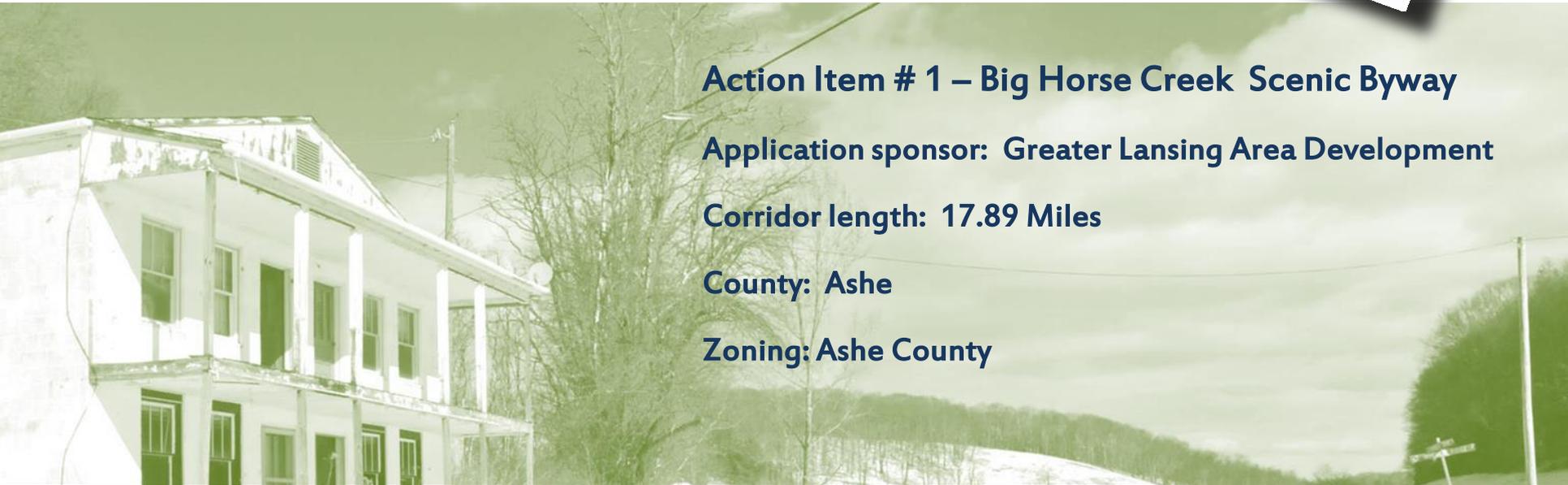
Action Item # 1 – Big Horse Creek Scenic Byway

Application sponsor: Greater Lansing Area Development

Corridor length: 17.89 Miles

County: Ashe

Zoning: Ashe County



This secluded mountain area is sparsely populated with scattered farmhouses, barns and country churches. The proposed byway winds back and forth as it follows first the North Fork of the New River and then Big Horse Creek. The rugged mountain terrain is densely wooded except where it gives way to pasture along the creek bottoms and extending up the bluffs.

Remnants of the 'Creeper Railroad' can be seen from much of the byway. Lansing is one of the stops on the Blue Ridge Music Trail and the home of the Ola Belle music festival. Pond Mountain, a Wildlife Conservation area can be viewed from the proposed route as well as Phoenix Mountain.

North Carolina Scenic Byway Program – *action items*

Byway Proposal



Action Item # 1 – Big Horse Creek Scenic Byway

Application sponsor: Greater Lansing Area Development

Corridor length: 17.89 Miles

County: Ashe

Zoning: Ashe County

Recommendation – Designate the proposed Big Horse Creek Scenic Byway and integrate into the North Carolina Scenic Byway Program

Action Item 2 – Revision to Brunswick Town Road



North Carolina Scenic Byway Program – *action items*
Byway Revision Proposal



**Action Item # 2 – Revision to Brunswick
Town Road - Designated in March, 1990**

Current corridor length – 3 miles

Proposed corridor length – 2.3 miles

County: Brunswick

This coastal byway takes you by Orton Pond, an artificial pond built in 1890, where alligators are often observed basking in the warm sun along the shore line. Brunswick Town State Historic Site provides byway travelers a lesson in North Carolina history. Settled in 1725, the town was home to two governors, Saint Phillips Anglican Church built in 1751, and it played a role in port battles in both the Revolutionary War and the Civil War.

North Carolina Scenic Byway Program – *action items*

Byway Revision Proposal



Action Item # 2 – Revision to Brunswick Town Road – Designated in March, 1990



In 2015, 0.48 miles of Plantation Road (SR 1529) was removed from the North Carolina state road system. This section was also the beginning of the Brunswick Town Road byway. To compensate for this removal, extension of the byway to include 0.3 miles of Orton Road (SR 1530) from the intersection with NC 133 to the intersection with Plantation Road (SR 1529), would again connect the byway to the NC route and provide easier access and better visibility to byway signing.

North Carolina Scenic Byway Program – *action items*

Byway Revision Proposal



Action Item # 2 – Revision to Brunswick Town Road – Designated in March, 1990

Route Description:

Existing to be removed:

Plantation Road – 0.48 miles
(SR 1529)

Proposed Extension:

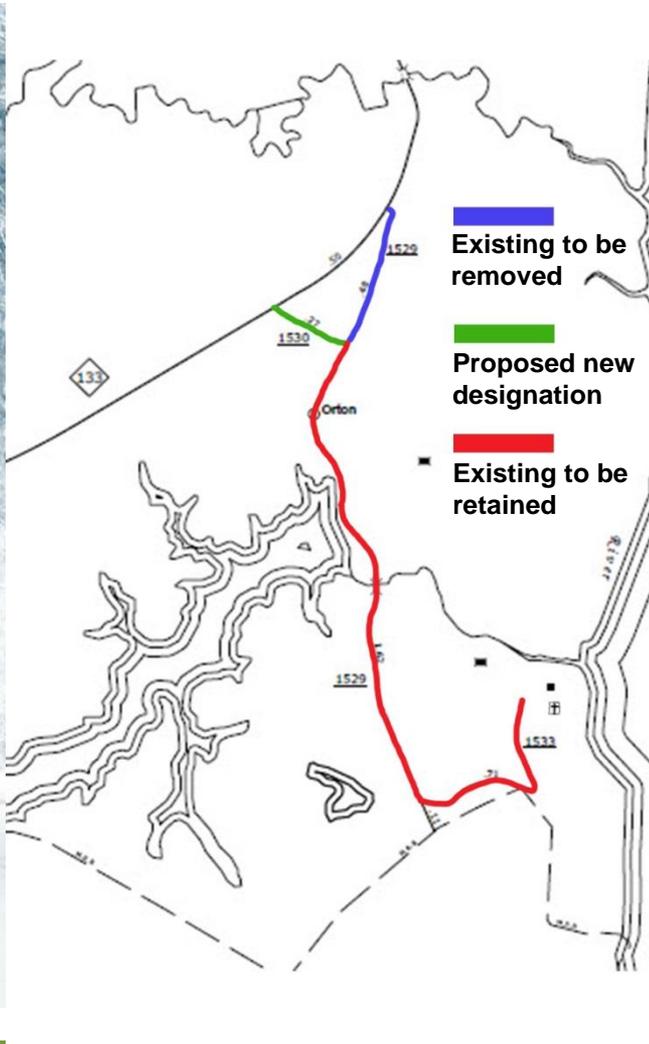
Orton Road - 0.3 miles
(SR 1530)

Existing to be retained:

Plantation Road – 1.6 miles
(SR 1529)

Existing to be retained:

Saint Phillips Road – 0.4 miles (plus 0.2 miles to historic site) (SR 1533)



North Carolina Scenic Byway Program – *action items*

Byway Revision Proposal



Action Item # 2 – Revision to Brunswick Town Road - Designated in March, 1990

Current corridor length – 3 miles

Proposed corridor length – 2.3 miles

County: Brunswick

Recommendation: Revise Brunswick Town Road Scenic Byway to delete 0.48 miles of Plantation Road (SR 1529) from NC 133 to SR 1530 and designate 0.3 miles of Orton Road (SR 1530) from NC 133 to SR 1529 as part of the Brunswick Town Road byway.

DBE/MB/WB LETTING SUMMARY

Federal Contract Awards Summary

Oct 2015 let through Mar 2016 let

Federal Fiscal Year 2015/2016

	Value Of Contract	DBE Goals Set		DBE Participation Submitted		DBE Participation Split			
		\$	%	\$	%	MB		WB	
	\$			\$		\$	%	\$	%
Monthly	68,572,998.16	3,851,453.21	5.6	5,249,066.90	7.7	221,685.30	0.3	5,027,381.60	7.3
FY to Date	389,241,999.87	42,200,725.83	10.8	43,232,374.80	11.1	12,853,663.20	3.3	30,378,711.60	7.8

State Contract Awards Summary

Jul 2015 let through Mar 2016 let

State Fiscal Year 2015/2016

	Value Of Contract	MB Goals Set		MB Participation Submitted		WB Goals Set		WB Participation Submitted	
		\$	%	\$	%	\$	%	\$	%
Monthly	21,843,549.08	671,248.70	3.1	679,063.60	3.1	998,736.52	4.6	1,559,146.10	7.1
FY to Date	246,903,565.53	10,107,852.57	4.1	8,002,348.40	3.2	13,550,855.00	5.5	15,909,219.00	6.4

Letting Date(s): March 15, 2016

Award Date: April 7, 2016

Award Subject to Secretary's Approval

LETTING DATES: March 15, 2016
 AWARD DATE: April 7, 2016

Contract Information	County	Work Description	Prime Contractor	ADVERTISED GOALS SET			PARTICIPATION SUBMITTED			GOOD FAITH EFFORT AWARDED		AWARDED BY SECRETARY	
				0.0	3.0	5.0	0.0	3.0	0.8	YES	NO	YES	NO
2016CPT.02.04.10741 2, etc. C203834	PITT, EDGEcombe	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	S. T. WOOTEN CORPORATION	0.0	3.0	5.0	0.0	3.0	0.8			X	
2016CPT.02.27.20071.3, 46000.3.2 B-5300 C203775	BEAUFORT	RESURFACING, GRADING, DRAINAGE, PAVING, & STRUCTURE.	S. T. WOOTEN CORPORATION	0.0	3.0	3.0	0.0	3.0	3.0			X	
53025.3.1 NHPP-0095(24)97 I-5754 C203784	JOHNSTON	PAVEMENT REHAB, BRIDGE APPROACH REPAIR, AND JOINT REPAIR.	S. T. WOOTEN CORPORATION	8.0	0.0	0.0	8.0	0	0			X	
2016CPT.05.07.10391.1, etc. C203835	GRANVILLE	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	S. T. WOOTEN CORPORATION	0.0	3.0	5.0	0.0	3.0	5.0			X	
53028.3.1 NHPI-0095(018)63 I-5788 C203818	CUMBERLAND, HARNETT	DRAINAGE, PAVEMENT REHABILITATION, AND BRG REHABILITATION.	S. T. WOOTEN CORPORATION	9.0	0.0	0.0	9.0	0.0	0.0			X	
46264.3.FS1, 53042.3.1 IMPM-040-3(134)219, NHPI-0040(10)148 I-5309, I-5836 C203782	ALAMANCE	PAVEMENT AND BRIDGE REHABILITATION.	APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION	4.0	0.0	0.0	4.0	0.0	0.0			X	
53030.3.1, 53059.3.1 NHPI-0085(4), NHPI-0085(6) I-5790, I-5855 C203785	GUILFORD	PAVEMENT AND BRIDGE REHABILITATION.	PENHALL COMPANY	4.0	0.0	0.0	4.0	0.0	0.0			X	
42286.3.FD1 BRZ-1404(12) B-5128 C203674	RANDOLPH	GRADING, DRAINAGE, PAVING, AND CULVERT.	MOUNTAIN CREEK CONTRACTORS INC	6.0	0.0	0.0	6.0	0.0	0.0			X	
2016CPT.08.10.10531, etc. C203833	LEE, MOORE	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	RILEY PAVING INC	0.0	3.0	5.0	0.0	3.0	5.0			X	
2016CPT.08.11.10771, etc. C203832	RICHMOND, MONTGOMERY	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	BARNHILL CONTRACTING COMPANY	0.0	3.0	5.0	0.0	3.0	5.0			X	
2016CPT.08.12.10831, etc. C203837	SCOTLAND, HOKE	MILLING, WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.	HUDSON PAVING, INC.	0.0	4.0	5.0	0.0	4.0	5.0			X	
2016CPT.08.13.10191, etc. C203838	CHATHAM, RANDOLPH	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	RILEY PAVING INC	0.0	3.0	4.0	0.0	3.0	4.0			X	
38523.3.2 B-4751 C203673	GASTON	GRADING, DRAINAGE, PAVING, AND STRUCTURE.	TCB BUILDERS, LLC	0.0	3.0	5.0	0.0	3.0	5.0			X	
2017CPT.12.06.10551, etc. C203823	LINCOLN	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	MIDSTATE CONTRACTORS, INC.	0.0	3.0	4.0	0.0	3.0	4.0			X	
52036.3.1, 52037.3.1 NHPP-0026(002)40, NHPP-0026(006)21 I-5758, I-5759 C203762	HENDERSON	PAVEMENT & BRIDGE REHABILITATION.	HARRISON CONSTRUCTION COMPANY	2.0	0.0	0.0	2.0	0.0	0.0			X	
52022.3.1 NHPP-0085(22) I-5741 C203853	ROWAN	DRAINAGE, PAVEMENT REHABILITATION, AND BRIDGE PRESERVATION.	J. T. RUSSELL & SONS, INC.	0.0	0.0	0.0	0.0	0.0	0.0			X	



April 6, 2016

Comprehensive Transportation Plan (CTP) Updates

Patrick A. Norman, PE

Division of Planning & Programming



Background

North Carolina General Statute 136-66.2 requires each municipality or MPO, with the cooperation of the NCDOT, to develop a Comprehensive Transportation Plan (CTP) serving present and anticipated travel demand in and around the municipality or MPO.

The CTP was created in 2001 as a replacement to the highway only Thoroughfare Plan.



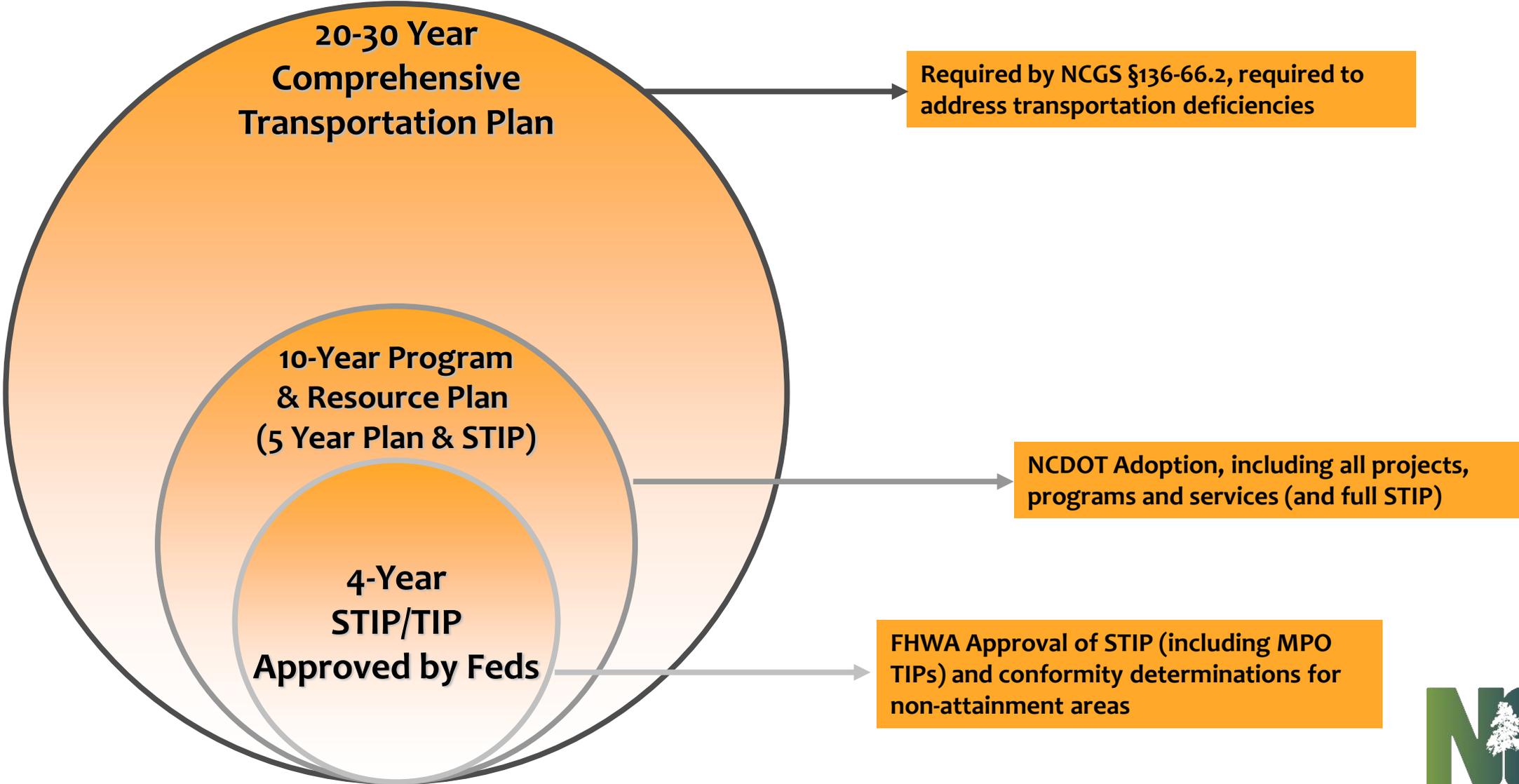
Comprehensive Transportation Plan

- Is a Long-Range, multimodal transportation plan (highway, public transportation/rail, bicycle and pedestrian).
- Is developed cooperatively with NCDOT, the RPO/MPO, County and Municipal stakeholders.
- Emphasizes the local land development plan as well as community and statewide goals such as the protection of Strategic Transportation Corridors.
- Is only a **Concept Plan**.
- Is not fiscally constrained.

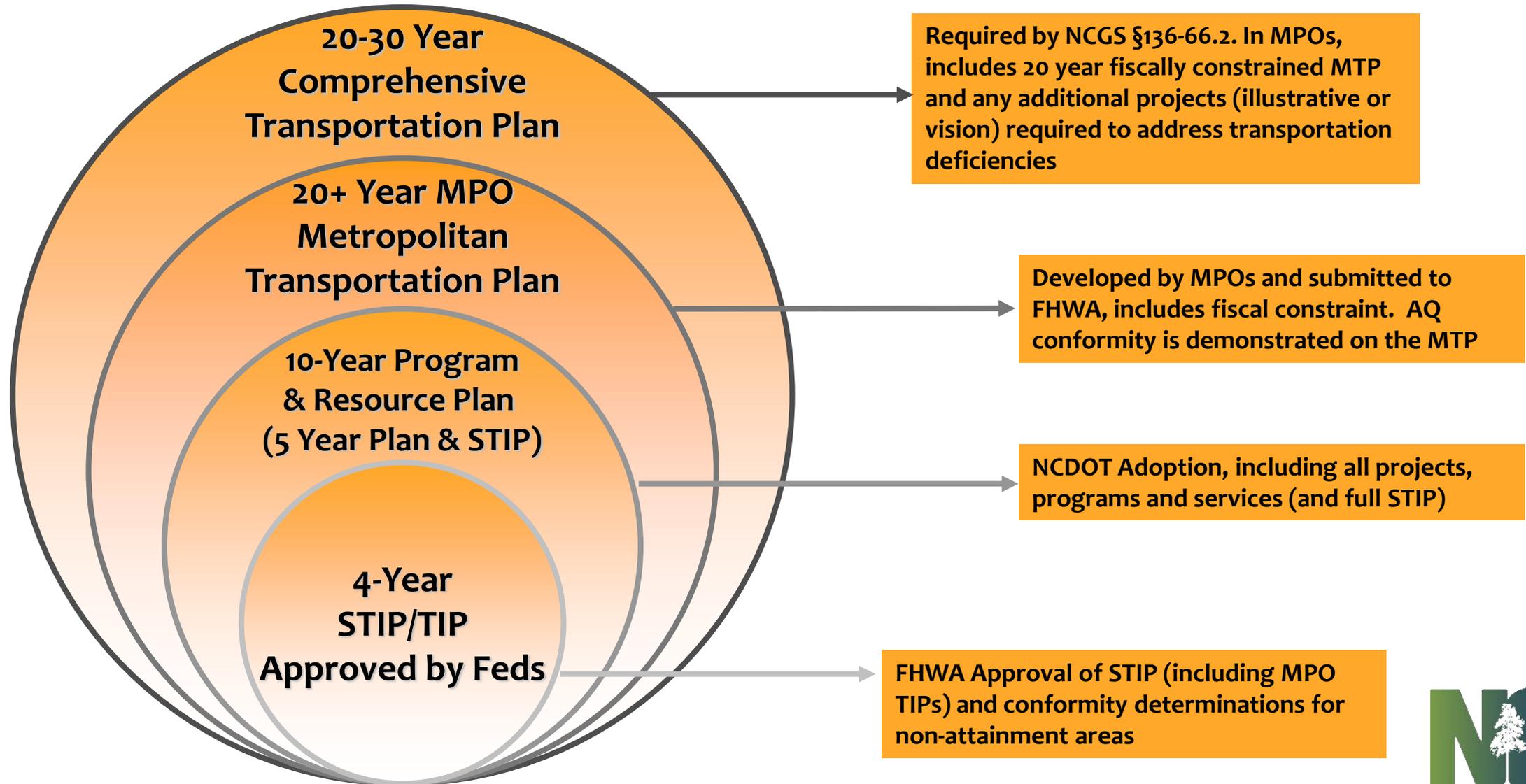
*It is important to note that CTP recommendations are **Concepts** and any project will go through a rigorous environmental process before final alignments or designs can be determined.*



Transportation Planning Framework - RPOs

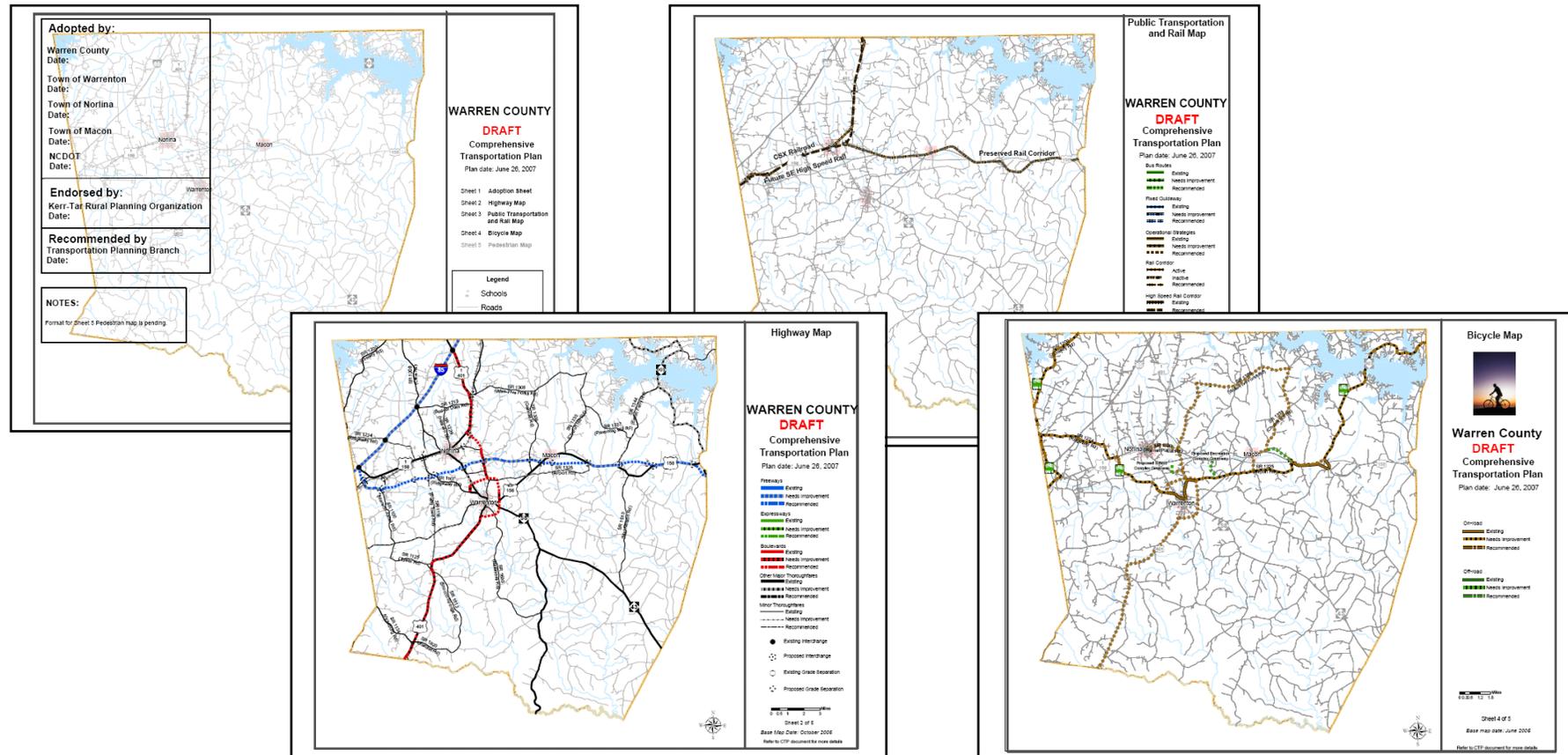


Transportation Planning Framework - MPOs



Current CTP maps

Board Adoption only includes the 4 multi-modal CTP maps (highway, public transportation / rail, bicycle, pedestrian) and a cover sheet.



Next Steps?

- CTP 2.0 Steering Committee/Sub-Committee Work (On-Going)
- BOT Member Engagement/Reviews (Spring/Summer 2016)
 - MPO's/RPO's
 - NCDOT – TPB Staff
- Final Recommendations/BOT Action (Late Summer 2016)
- Update Procedures/Implement Recommendations (Fall/Winter 2016)



April 6, 2016

Financial Update

David Tyeryar, Chief Financial Officer



Financial Update

SFYTD 2016 as compared SFYTD 2015

Dollars in Millions	February 16	February 15	Year to Date		
			February 16	February 15	% Change
Revenue Collections	\$ 458	\$ 418	\$ 3,201	\$ 3,101	3.2%
Expenditures	<u>409</u>	<u>409</u>	<u>3,160</u>	<u>3,107</u>	1.7%
Net Change	\$ 49	\$ 9	\$ 41	\$ (6)	
	February 16	February 15			
Cash Balances:					
Trust Fund	\$ 1,326	\$ 1,034			
Highway Fund*	<u>132</u>	<u>142</u>			
Totals	<u>\$ 1,458</u>	<u>\$ 1,176</u>			

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



Unaudited Financial Report

Transportation

Revenue Summary February 2016

(\$ in Millions)

	February 2016	February 2015	Year Over Year				SFY to Budget		
			2015-2016 Actual	2014-2015 Actual	\$	%	Budget to Date	\$	%
State & Federal Receipts:									
Highway Fund *	\$ 165.3	\$ 158.9	\$ 1,320.8	\$ 1,316.2	\$ 4.6	0%	\$ 1,265.8	\$ 55.0	4%
Highway Trust Fund *	111.2	95.0	919.3	802.5	116.8	15%	854.0	65.3	8%
Total State Funds	276.5	253.9	2,240.1	2,118.7	121.4	6%	\$ 2,119.8	\$ 120.3	6%
Federal Funds/Participation	76.3	87.1	738.4	862.8	(124.4)	-14%			
GARVEE Reimbursement/NCTA	104.9	77.1	222.2	119.0	103.2	87%			
Total	\$ 457.8	\$ 418.1	\$ 3,200.7	\$ 3,100.5	\$ 100.2	3%			
<hr/>									
* Memo	February 2016	February 2015	Year Over Year				SFY to Budget		
			2015-2016 Actual	2014-2015 Actual	\$	%	Budget to Date	\$	%
Highway Fund & Trust Fund Details									
Motor Fuel Taxes	\$ 139.3	\$ 153.8	\$ 1,279.7	\$ 1,267.0	\$ 12.6	1%	\$ 1,201.5	\$ 78.2	7%
Highway Use Tax	56.8	48.1	462.8	415.4	47.4	11%	420.1	42.7	10%
DMV/Other Revenue	79.5	51.5	492.0	433.1	58.9	14%	496.6	(4.7)	-1%
Investment Income	0.8	0.5	5.7	3.2	2.5	77%	1.6	4.1	261%
Total	\$ 276.5	\$ 253.9	\$ 2,240.1	\$ 2,118.7	\$ 121.4	6%	\$ 2,119.8	\$ 120.3	6%



Unaudited Financial Report

Transportation

Expenditure Summary February 2016

(\$ in millions)

			Year Over Year				SFY to Budget		
	Feb-16	Feb-15	2015-2016 Actual	2014-2015 Actual	\$	%	2015-2016 Budget	\$	%
State & Federal Funded Programs:									
Construction	\$ 137.3	\$ 112.9	\$ 1,372.9	\$ 1,367.7	\$ 5.2	0%	\$ 1,605.4	\$ (232.5)	-14%
Maintenance	81.8	69.4	804.8	770.5	34.3	4%	783.5	21.2	3%
Public Transportation	35.3	32.4	89.4	77.0	12.4	16%	91.9	(2.5)	-3%
Other Modal/Other Programs	10.2	14.4	88.9	94.2	(5.3)	-6%	104.1	(15.2)	-15%
Administration	20.6	18.8	135.7	140.3	(4.6)	-3%	162.2	(26.5)	-16%
Municipal Aid	-	-	147.7	147.1	0.6	0%	147.7	0.0	0%
Transfers to Other Agencies	0.0	51.4	33.5	182.1	(148.6)	NA	34.1	(0.5)	-2%
Total Expenditures	\$ 285.0	\$ 299.3	\$ 2,672.9	\$ 2,778.9	\$ (106.0)	-4%	\$ 2,928.8	\$ (256.0)	-9%
GARVEE/NCTA/Special Initiatives	\$ 123.9	\$ 109.6	\$ 487.5	\$ 327.9	\$ 159.6	49%			



Revenue & Expenditure Variances > 5%

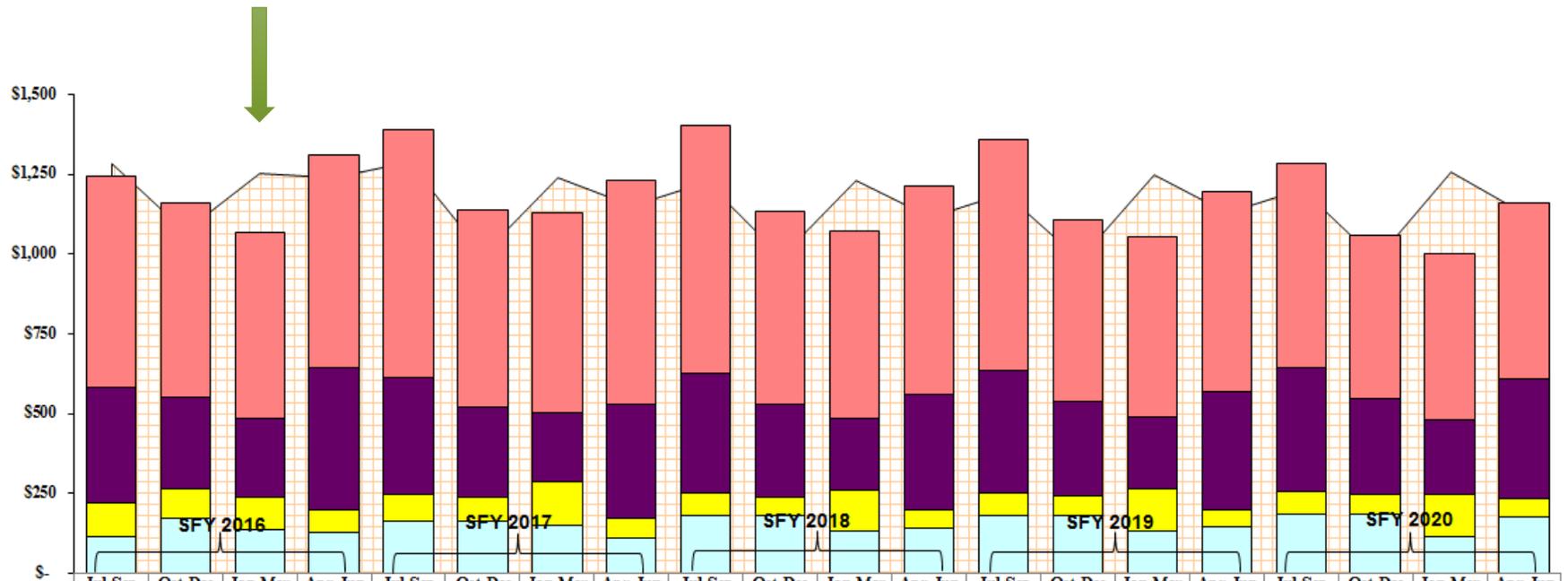
As of February 29, 2016

RECEIPTS		
State & Federal Receipts:	Budget/Actual	Reason for Variance
Highway Use Tax	7%	Car sales are higher than estimated.
Motor Fuels Taxes	10%	Motor fuel consumption through the second quarter is 6% higher than the same period last state fiscal year.
EXPENDITURES		
State & Federal Funded Programs:	Budget/Actual	Reason for Variance
Construction	-14%	STI expenditures are below the estimated budget.
Other Modal/Other Programs	-15%	While the State Appropriation for Aviation is almost \$20M more than for last fiscal year, expenditures lag slightly. However 34 new projects were approved in January so expenditures should catch up in the next few months.
Administration	-16%	It is due to spending prior year carried forward authorizations.



60 Month Cash Model

Revenue & Expenditure Projections as of February 2016

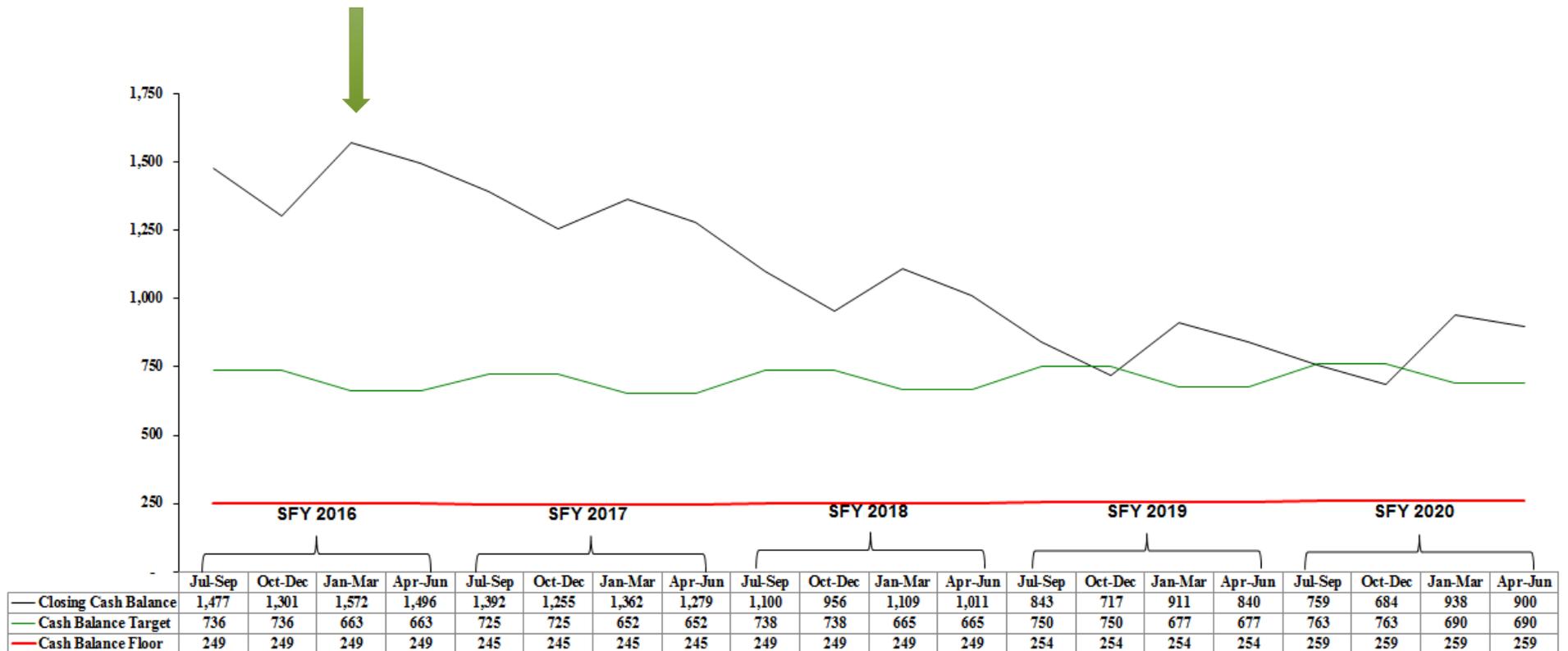


	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun																
□ Revenues	\$1,280	\$1,071	\$1,248	\$1,235	\$1,287	\$1,000	\$1,237	\$1,147	\$1,223	\$990	\$1,227	\$1,113	\$1,189	\$980	\$1,247	\$1,125	\$1,202	\$982	\$1,255	\$1,123
■ Construction Expenditures	665	609	586	669	777	615	626	702	779	604	590	653	722	568	563	628	638	509	523	554
■ Maintenance Expenditures	360	288	247	444	368	285	219	356	375	291	223	362	382	296	227	369	389	301	231	375
■ Other Modes	107	93	100	71	81	72	135	64	71	59	127	55	72	60	129	56	73	61	131	57
□ Other Expenditures	113	172	135	128	165	165	150	109	178	180	133	142	181	182	134	143	183	185	116	175

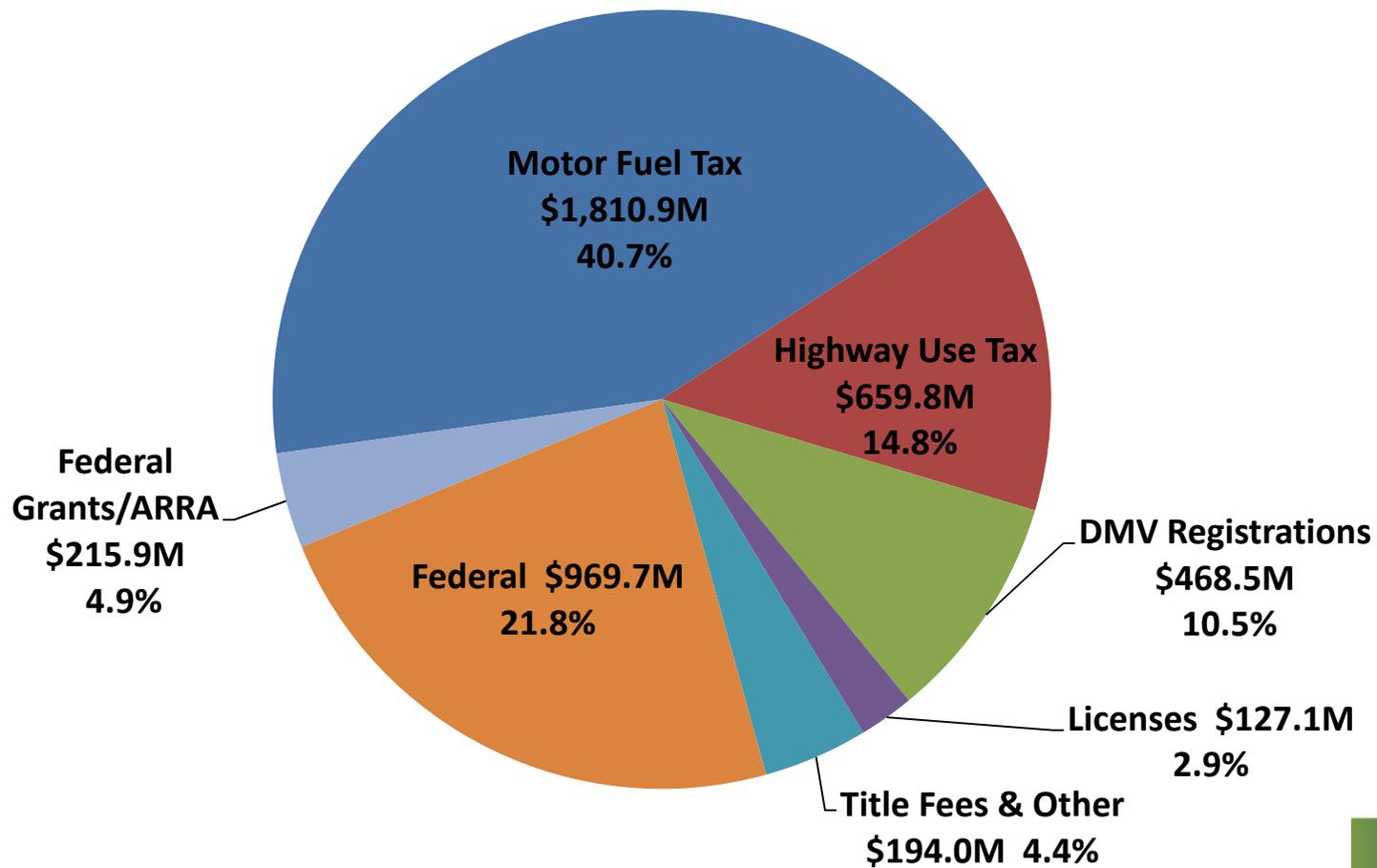


60 Month Cash Model

Cash Projections as of February 2016



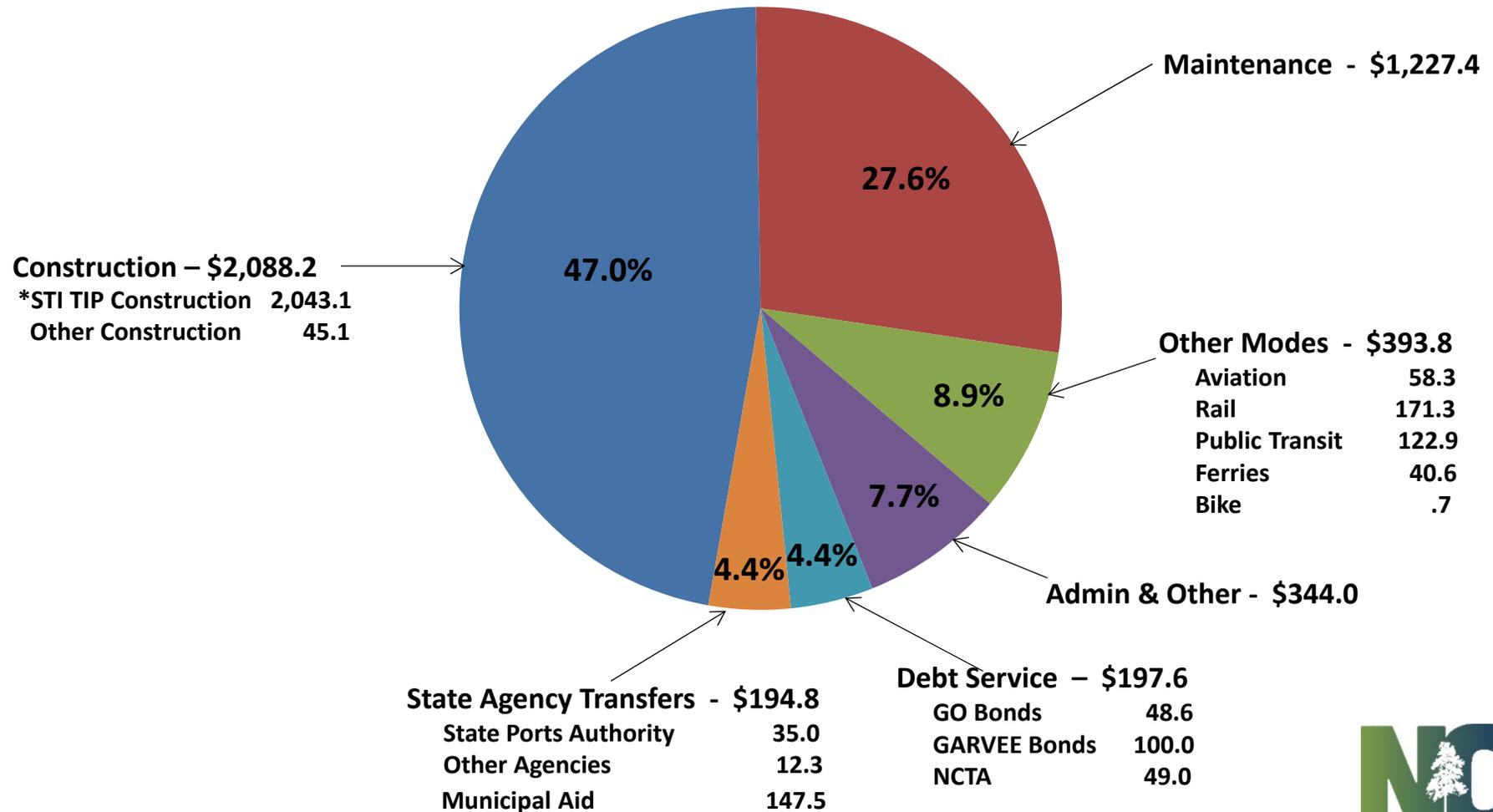
NCDOT Revenue Sources SFY2016 - \$4.4 Billion



Uses of 2015-16 NCDOT Appropriations

Total Funding = \$4.4 Billion

(Excludes Receipt Supported Funding of \$0.1B)



(\$ in millions)



Unaudited Financial Report

Transportation

Right of Way & Preliminary Engineering Expenditures

SFY 2016 Period Ending February 29, 2016

	1st Quarter SFY	2nd Quarter SFY	3rd Quarter SFY	4th Quarter SFY	SFY Totals	SFY Target	% of Target
Right of Way:							
TIP Projects (excluding GV)	\$ 105.2	\$ 99.4	\$ 44.4		\$ 249.0	\$ 300.0 ▼	83%
Garvee Projects (GV)	2.5	0.2	2.5		5.2	62.6 ▼	8%
Total TIP Projects	\$ 107.7	\$ 99.6	\$ 46.9	\$ -	\$ 254.2	\$ 362.6	
Preliminary Engineering:							
TIP Projects (excluding TA)	\$ 50.9	\$ 50.0	\$ 35.3		\$ 136.2	\$ 165.0 ▼	83%
Toll Authority (TA) Projects	0.9	0.6	0.5		2.0	6.5 ▼	31%
Total TIP Projects	\$ 51.8	\$ 50.6	\$ 35.8	\$ -	\$ 138.2	\$ 171.5	

MEMO: State Fiscal YTD Totals Exclude Specific Allocations

(\$ in Millions)



Unaudited Financial Report

Transportation

FFY 2016 Federal Rail Scorecard

As of February 29, 2016

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	\$ 519,999,379	\$ 381,469,383	\$ 370,534,093	\$ -	\$ 10,935,290	
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	\$ 3,844,832	\$ 3,885,059	\$ -	\$ (40,227)	
NCDOT Intercity Passenger Rail Congestion Mitigation Period of Performance End Date 9-30-2017	\$ 26,560,839	\$ 26,560,839	\$ 8,252,159	\$ 8,151,922	\$ -	\$ 100,237	
TOTAL ARRA	\$ 550,560,839	\$ 550,560,218	\$ 393,566,374	\$ 382,571,074	\$ -	\$ 10,995,300	\$ 2,580,858

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	\$ 22,200,000	\$ 22,200,000	\$ 3,755,578	\$ 30,464	\$ -	\$ -	\$ (51,976)

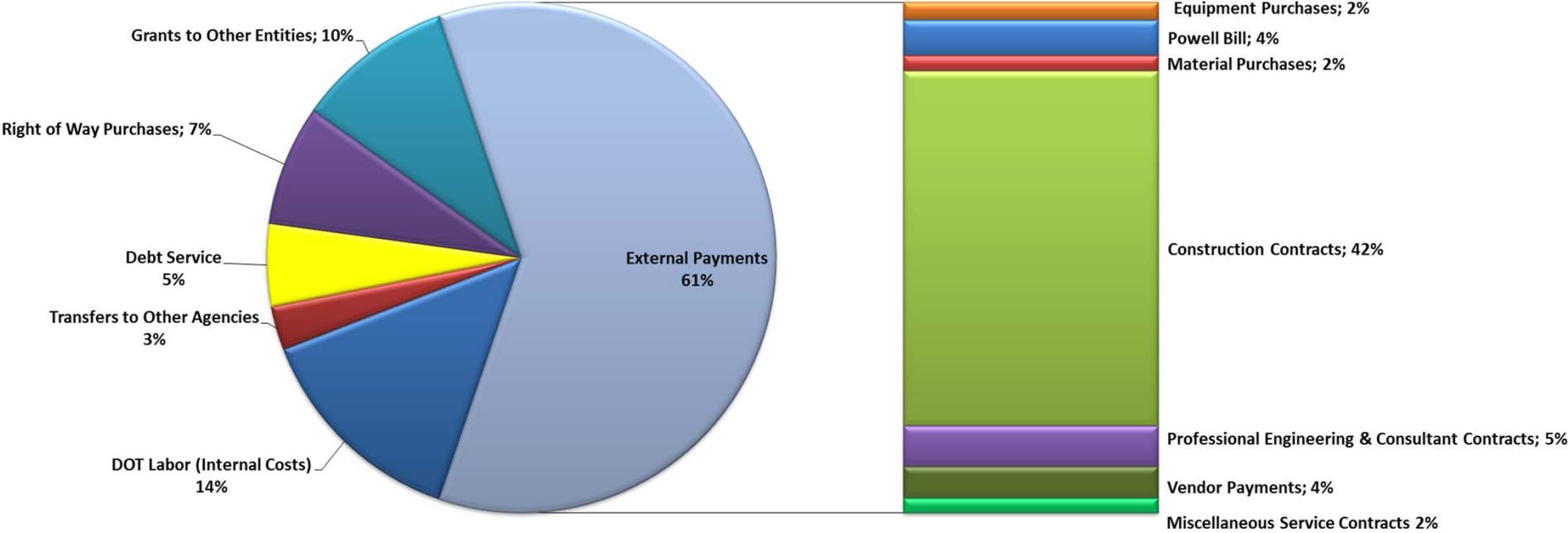


Unaudited Financial Report

Transportation

NCDOT Expenditures

SFY2016 as of February 29, 2016



History of Outsourcing

Construction, PE & Maintenance

Direct Payments to Contractors – from Accounting System

LetMonth	2012	2013	2014	2015	2016
July	\$ 448,407,234.80	\$ 185,312,013.66	\$ 176,706,305.23	\$ 113,391,639.12	\$ 110,449,013.36
August	138,357,208.50	289,393,675.95	89,999,231.25	\$ 219,184,446.85	\$ 152,542,311.89
September	158,308,729.59	166,861,142.45	411,096,640.28	\$ 63,613,868.21	\$ 191,800,924.50
October	140,842,886.18	110,471,922.48	130,520,847.46	\$ 259,030,359.39	\$ 90,751,660.73
November	134,024,782.15	67,494,301.44	165,491,329.33	\$ 416,878,346.74	\$ 99,436,537.79
December	92,793,922.73	159,071,326.49	131,252,531.08	\$ 113,550,459.34	\$ 75,546,643.82
January	356,408,776.77	104,084,869.28	359,662,160.77	\$ 101,068,086.75	\$ 108,843,472.19
February	246,292,023.88	164,653,616.54	160,656,840.86	\$ 164,659,003.95	\$ 403,833,363.00
March	223,848,754.38	285,956,557.24	115,534,131.67	\$ 274,440,078.10	
April	173,734,294.47	125,968,286.35	472,735,059.92	\$ 126,678,089.12	
May	202,516,469.42	186,589,420.50	127,483,945.94	\$ 554,770,633.05	
June	341,428,007.73	103,102,151.15	309,412,638.16	\$ 329,038,815.45	
Total	\$ 2,656,963,090.58	\$ 1,948,959,283.52	\$ 2,650,551,661.95	\$ 2,736,303,826.06	\$ 1,233,203,927.28



REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP ADDITIONS

DIVISION 4

* U-5935	US 301, US 264 ALTERNATE (MLK BOULEVARD) TO	CONSTRUCTION	FY 2017 -	\$10,000,000	(DP)
WILSON	SR 1515 (LIPSCOMB ROAD). UPGRADE ROADWAY		FY 2017 -	\$2,000,000	(L)
PROJ.CATEGORY	INCLUDING BICYCLE AND PEDESTRIAN			\$12,000,000	
EXEMPT	ACCOMODATIONS.				

ADD CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED. THIS PROJECT HAS RECEIVED A FHWA TIGER GRANT.

DIVISION 5

* U-5927A	SR 2768 / SR 5056 NORTH JUDD PKWY NE, SR 3736	ENGINEERING	FY 2016 -	\$438,000	(L)
WAKE	(OLD HONEYCUTT ROAD) TO NORTH OF	RIGHT-OF-WAY	FY 2016 -	\$1,000,000	(L)
PROJ.CATEGORY	INTERSECTION OF SR 5056 (N. JUDD PARKWAY NE)	CONSTRUCTION	FY 2017 -	\$1,686,000	(STPDA)
DIVISION	AND SR 1402 (E. BROAD STREET)		FY 2017 -	\$1,124,000	(L)
	<u>ROADWAY PROJECT ADDED AT REQUEST OF MPO.</u>			\$4,248,000	

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

DIVISION 10

* I-5960	I-485, MILEMARKER 35.8 TO MILEMARKER 39.7.	CONSTRUCTION	FY 2016 -	\$4,200,000	(NHPIM)
MECKLENBURG	PAVEMENT REHABILITATION.			\$4,200,000	
PROJ.CATEGORY	<u>BASED ON PAVEMENT CONDITION, PROJECT ADDED.</u>				
STATEWIDE					

* I-5961	I-77, WEST TRADE STREET TO IREDELL COUNTY LINE.	CONSTRUCTION	FY 2016 -	\$2,200,000	(NHPIM)
MECKLENBURG	PAVEMENT REHABILITATION.			\$2,200,000	
PROJ.CATEGORY	<u>BASED ON PAVEMENT CONDITION, PROJECT ADDED.</u>				
STATEWIDE					

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP ADDITIONS

DIVISION 10

* R-5778 CABARRUS PROJ.CATEGORY DIVISION	BILL MCGEE ROAD, SR 1119 (WALLACE ROAD) TO PROPOSED INDUSTRIAL SITE. IMPROVE EXISTING ROAD AND EXTEND TO PROPOSED INDUSTRIAL SITE. <u>NEW PROJECT PROGRAMMED TO PROVIDE ACCESS TO PROPOSED INDUSTRIAL SITE.</u>	CONSTRUCTION	FY 2017 -	\$800,000 (T)
				\$800,000

STATEWIDE

* Z-5700 STATEWIDE	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS. <u>NEW PROJECT PROGRAMMED AT REQUEST OF RAIL DIVISION - STI CATEGORY PROGRAMMING SHOWN BELOW.</u>
-----------------------	--

* Z-5700DIV STATEWIDE PROJ.CATEGORY DIVISION	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS. <u>NEW PROJECT PROGRAMMED AT REQUEST OF RAIL DIVISION - DIVISION NEEDS CATEGORY.</u>	RIGHT-OF-WAY	FY 2017 -	\$150,000 (RR)
			FY 2018 -	\$150,000 (RR)
			FY 2019 -	\$150,000 (RR)
		CONSTRUCTION	FY 2017 -	\$900,000 (RR)
			FY 2018 -	\$900,000 (RR)
			FY 2019 -	\$900,000 (RR)
				\$3,150,000

* Z-5700REG STATEWIDE PROJ.CATEGORY REGIONAL	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS. <u>NEW PROJECT PROGRAMMED AT REQUEST OF RAIL DIVISION - REGIONAL IMPACT CATEGORY.</u>	RIGHT-OF-WAY	FY 2017 -	\$150,000 (RR)
			FY 2018 -	\$150,000 (RR)
			FY 2019 -	\$150,000 (RR)
		CONSTRUCTION	FY 2017 -	\$900,000 (RR)
			FY 2018 -	\$900,000 (RR)
			FY 2019 -	\$900,000 (RR)
				\$3,150,000

* Z-5700SW STATEWIDE PROJ.CATEGORY STATEWIDE	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS. <u>NEW PROJECT PROGRAMMED AT REQUEST OF RAIL DIVISION - STATEWIDE STRATEGIC MOBILITY CATEGORY.</u>	RIGHT-OF-WAY	FY 2017 -	\$200,000 (RR)
			FY 2018 -	\$200,000 (RR)
			FY 2019 -	\$200,000 (RR)
		CONSTRUCTION	FY 2017 -	\$1,200,000 (RR)
			FY 2018 -	\$1,200,000 (RR)
			FY 2019 -	\$1,200,000 (RR)
				\$4,200,000

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP ADDITIONS

STATEWIDE

* Z-5800 VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
STATEWIDE IMPROVEMENTS.

NEW PROJECT PROGRAMMED AT REQUEST OF RAIL
DIVISION - STI CATEGORY PROGRAMMIING SHOWN
BELOW.

* Z-5800DIV	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY	RIGHT-OF-WAY	FY 2019 -	\$150,000	(RR)
STATEWIDE	IMPROVEMENTS.		FY 2020 -	\$150,000	(RR)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF RAIL</u>		FY 2021 -	\$150,000	(RR)
DIVISION	<u>DIVISION - DIVISION NEEDS CATEGORY.</u>	CONSTRUCTION	FY 2019 -	\$900,000	(RR)
			FY 2020 -	\$900,000	(RR)
			FY 2021 -	\$900,000	(RR)
				<u>\$3,150,000</u>	

* Z-5800REG	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY	RIGHT-OF-WAY	FY 2019 -	\$150,000	(RR)
STATEWIDE	IMPROVEMENTS.		FY 2020 -	\$150,000	(RR)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF RAIL</u>		FY 2021 -	\$150,000	(RR)
REGIONAL	<u>DIVISION - REGIONAL IMPACT CATEGORY.</u>	CONSTRUCTION	FY 2019 -	\$900,000	(RR)
			FY 2020 -	\$900,000	(RR)
			FY 2021 -	\$900,000	(RR)
				<u>\$3,150,000</u>	

* Z-5800SW	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY	RIGHT-OF-WAY	FY 2019 -	\$200,000	(RR)
STATEWIDE	IMPROVEMENTS.		FY 2020 -	\$200,000	(RR)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF RAIL</u>		FY 2021 -	\$200,000	(RR)
STATEWIDE	<u>DIVISION - STATEWIDE STRATEGIC MOBILITY</u>	CONSTRUCTION	FY 2019 -	\$1,200,000	(RR)
	<u>CATEGORY.</u>		FY 2020 -	\$1,200,000	(RR)
			FY 2021 -	\$1,200,000	(RR)
				<u>\$4,200,000</u>	

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 1

P-5600A	NCVA RR, TRACK IMPROVEMENTS	CONSTRUCTION	FY 2016 -	\$5,800,000	(DP)
HERTFORD	<u>PROJECT P-5600 DELETED AND SEGMENTED INTO 2</u>		FY 2016 -	\$2,800,000	(T)
BERTIE	<u>PARTS FOR CONSTRUCTION PURPOSES. INCLUDES</u>		FY 2016 -	\$3,031,000	(O)
NORTHAMPTON	<u>FUNDING FROM FHWA TIGER GRANT AND NCVA</u>			\$11,631,000	
PROJ.CATEGORY	<u>PRIVATE FUNDS.</u>				
TRANSITION					

P-5600B	NCVA RR, STRUCTURES REHABILITATION	CONSTRUCTION	FY 2016 -	\$600,000	(T)
HERTFORD	<u>PROJECT P-5600 DELETED AND SEGMENTED INTO 2</u>		FY 2016 -	\$600,000	(O)
BERTIE	<u>PARTS FOR CONSTRUCTION PURPOSES. INCLUDES</u>			\$1,200,000	
NORTHAMPTON	<u>FUNDING FROM NCVA PRIVATE FUNDS.</u>				
PROJ.CATEGORY					
TRANSITION					

DIVISION 3

SF-4903F	NC 53, SR 1109 (HOLLY SHELTER ROAD).	RIGHT-OF-WAY	FY 2016 -	\$45,000	(HRRR)
ONslow	REALIGNMENT AND LANE CONSTRUCTION.	CONSTRUCTION	FY 2017 -	\$195,000	(HRRR)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO</u>			\$240,000	
TRANSITION	<u>COORDINATE WITH ADJACENT PROJECTS R-5023 B/C.</u>				

U-4902C	US 17 BUSINESS (MARKET STREET), MARTIN LUTHER	RIGHT-OF-WAY	FY 2017 -	\$125,000	(T)
NEW HANOVER	KING JR., BOULEVARD TO STATION ROAD.	CONSTRUCTION	FY 2019 -	\$1,700,000	(T)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND</u>		FY 2020 -	\$1,700,000	(T)
STATEWIDE	<u>CONSTRUCTION FROM FY 18 TO FY 19 BASED ON</u>			\$3,525,000	
	<u>CLARIFICATION OF SCHEDULES.</u>				

U-4902D	US 17 BUSINESS (MARKET STREET), LENDIRE ROAD	RIGHT-OF-WAY	FY 2017 -	\$250,000	(T)
NEW HANOVER	TO SR 2734 (MARSH OAKS DRIVE).	CONSTRUCTION	FY 2019 -	\$3,150,000	(T)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND</u>		FY 2020 -	\$3,150,000	(T)
STATEWIDE	<u>CONSTRUCTION FROM FY 18 TO FY 19 BASED ON</u>			\$6,550,000	
	<u>CLARIFICATION OF SCHEDULES.</u>				

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 3

U-5719 ON SLOW PROJ.CATEGORY STATEWIDE	US 258 (RICHLANDS HIGHWAY), SR 1219 (BLUE CREEK ROAD)/SR 1396 (RIDGE ROAD). REALIGN INTERSECTIONS TO FORM ONE AT-GRADE INTERSECTION.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2016 - \$1,380,000 (T) FY 2016 - \$40,000 (T) FY 2018 - \$1,000,000 (T)
---	--	---	--

\$2,420,000

DELAY CONSTRUCTION FROM FY 19 TO FY 18 BASED ON CLARIFICATION OF SCHEDULES.

U-5732 PENDER PROJ.CATEGORY REGIONAL	US 17, SR 1582 (WASHINGTON ACRES ROAD) TO SR 1563 (SLOOP POINT LOOP ROAD). CONVERT TO SUPERSTREET.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2018 - \$4,724,000 (T) FY 2018 - \$567,000 (T) FY 2021 - \$4,706,000 (T) FY 2022 - \$4,706,000 (T) FY 2023 - \$4,707,000 (T)
---	--	---	---

\$19,410,000

DELAY CONSTRUCTION FROM FY 20 TO FY 21 BASED ON CLARIFICATION OF SCHEDULES.

U-5739 ON SLOW PROJ.CATEGORY REGIONAL	US 258 (RICHLANDS HIGHWAY), SR 1212 (PONY FARM ROAD) TO NC 53 (BURGAW HIGHWAY). CONSTRUCT SUPERSTREET.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2018 - \$1,750,000 (T) FY 2018 - \$210,000 (T) FY 2021 - \$4,218,000 (T) FY 2022 - \$4,218,000 (T) FY 2023 - \$4,218,000 (T)
--	--	---	---

\$14,614,000

DELAY CONSTRUCTION FROM FY 20 TO FY 21 BASED ON CLARIFICATION OF SCHEDULES.

U-5788 BRUNSWICK PROJ.CATEGORY DIVISION	US 17 BUSINESS (MAIN STREET), WALL STREET/SHALLOTTE AVENUE. REALIGN INTERSECTION.	RIGHT-OF-WAY CONSTRUCTION	FY 2018 - \$50,000 (T) FY 2020 - \$542,000 (T)
--	---	------------------------------	---

\$592,000

DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND CONSTRUCTION FROM FY 19 TO FY 20 BASED ON CLARIFICATION OF SCHEDULES.

DIVISION 4

B-5657 HALIFAX PROJ.CATEGORY DIVISION	SR 1001 (JUSTICE BRANCH ROAD), REPLACE BRIDGE 410014 AND 410015 OVER BEAVERDAM SWAMP.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2017 - \$69,000 (STPOFF) FY 2017 - \$10,000 (STPOFF) FY 2017 - \$988,000 (STPOFF)
--	---	---	--

\$1,067,000

ADD THE REPLACEMENT OF BRIDGE 410014 TO THE SCOPE OF THE PROJECT DUE TO PROXIMITY AND CONDITION.

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 4

B-5660	SR 1100 (BELLS BRIDGE ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$78,000	(STPOFF)
HALIFAX	410065 AND 410066 OVER DEEP CREEK.	UTILITIES	FY 2017 -	\$10,000	(STPOFF)
PROJ.CATEGORY	<u>ADD THE REPLACEMENT OF BRIDGE 410066 TO THE</u>	CONSTRUCTION	FY 2017 -	\$2,318,000	(STPOFF)
DIVISION	<u>SCOPE OF THE PROJECT DUE TO PROXIMITY AND</u>			\$2,406,000	
	<u>CONDITION.</u>				

DIVISION 5

B-5237	SR 2703 (NEW BETHEL CHURCH ROAD), REPLACE	RIGHT-OF-WAY	FY 2018 -	\$400,000	(HFB)
WAKE	BRIDGE 910248 OVER MAHLER'S CREEK IN GARNER.	UTILITIES	FY 2018 -	\$50,000	(HFB)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 18 AND</u>	CONSTRUCTION	FY 2019 -	\$2,000,000	(HFB)
DIVISION	<u>CONSTRUCTION FROM FY 17 TO FY 19 TO ALLOW</u>			\$2,450,000	
	<u>ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>				

* I-5506	I-40, SR 1002 (AVIATION PARKWAY) INTERCHANGE.	RIGHT-OF-WAY	FY 2017 -	\$1,750,000	(NHP)
WAKE	IMPROVE INTERCHANGE AND CONSTRUCT AUXILIARY	UTILITIES	FY 2017 -	\$93,000	(NHP)
PROJ.CATEGORY	LANE ON I-40 WESTBOUND FROM SR 1002 TO SR 3015	CONSTRUCTION	FY 2018 -	\$9,725,000	(NHP)
STATEWIDE	(AIRPORT BOULEVARD).		FY 2019 -	\$9,725,000	(NHP)
	<u>DESCRIPTION REVISED TO INCLUDE AUXILIARY LANE</u>			\$21,293,000	
	<u>AT REQUEST OF PRECONSTRUCTION.</u>				

U-4716BA	SR 1980 (CHURCH STREET), NORFOLK SOUTHERN	CONSTRUCTION	FY 2016 -	\$150,000	(T)
DURHAM	RAILROAD / NC RAILROAD TO SR 1978 (HOPSON			\$150,000	
PROJ.CATEGORY	ROAD) REALIGN AND CLOSE CROSSING 734 748M OF				
DIVISION	THE NORFOLK SOUTHERN-NORTH CAROLINA				
	RAILROAD				
	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
	<u>PROGRAMMED, TO COVER SEPARATE PURCHASE</u>				
	<u>ORDER CONTRACT FOR REMEDIAL WORK (SIGNAL</u>				
	<u>INSTALLATION) ON PROJECT U-4716B.</u>				

U-4916	SR 1165 (BECKFORD DRIVE), HARRISON STREET TO	CONSTRUCTION	FY 2017 -	\$679,000	(HP)
VANCE	NORTH PARK DRIVE IN HENDERSON. WIDEN TO		FY 2017 -	\$170,000	(L)
PROJ.CATEGORY	THREE LANES WITH CURB AND GUTTER, STORM			\$849,000	
TRANSITION	DRAINAGE, AND SIDEWALKS.				
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO</u>				
	<u>ALLOW CITY ADDITIONAL TIME FOR RIGHT-OF-WAY</u>				
	<u>ACQUISITION.</u>				

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 5

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 2017 -	\$1,584,000	(STPDA)
DIVISION	IMPROVEMENTS.		FY 2017 -	\$396,000	(L)
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO</u>			\$2,080,000	
	<u>ALLOW THE TOWN ADDITIONAL TIME FOR PLANNING</u>				
	<u>AND DESIGN.</u>				

DIVISION 7

EB-5716	HOLDEN ROAD; EAST LINDSAY STREET, HOLDEN	CONSTRUCTION	FY 2018 -	\$424,000	(SRTS)
GUILFORD	ROAD, SOUTH OF MEADOWVIEW ROAD TO SPRING			\$424,000	
PROJ.CATEGORY	GARDEN ROAD IN GREENSBORO. CONSTRUCT				
DIVISION	SIDEWALK ON WEST SIDE. EAST LINDSAY STREET,				
	MURROW BOULEVARD TO BESSEMER AVENUE IN				
	GREENSBORO. CONSTRUCT SIDEWALK ON NORTH				
	SIDE.				
	<u>DESCRIPTION MODIFIED TO INCORPORATE SCOPE OF</u>				
	<u>DELETED PROJECT EB-5717, AT REQUEST OF CITY.</u>				

* EL-5101	VARIOUS, PEDESTRIAN AND BICYCLE PROJECTS IN	RIGHT-OF-WAY	FY 2016 -	\$847,000	(CMAQ)
GUILFORD	THE GREENSBORO URBAN AREA METROPOLITAN		FY 2016 -	\$268,000	(STPDA)
PROJ.CATEGORY	PLANNING ORGANIZATION (GUAMPO).		FY 2016 -	\$279,000	(L)
DIVISION	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	CONSTRUCTION	FY 2016 -	\$8,223,000	(STPDA)
	<u>THRESHOLDS</u>		FY 2016 -	\$400,000	(TAP)
			FY 2016 -	\$2,156,000	(L)
			FY 2017 -	\$2,106,000	(CMAQ)
			FY 2017 -	\$1,200,000	(STPDA)
			FY 2017 -	\$827,000	(L)
				\$16,306,000	

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 7

* P-2918	PIEDMONT CORRIDOR, TRAIN 74 / 75 OPERATIONS	OPERATIONS	FY 2016 -	\$3,750,000	(CMAQ)
RANDOLPH	BETWEEN CHARLOTTE AND RALEIGH, EQUIPMENT		FY 2017 -	\$4,091,000	(CMAQ)
MECKLENBURG	AND CAPITAL YARD MAINTENANCE FACILITY.			\$7,841,000	
DURHAM	<u>ADD OPERATIONS IN FY 17 NOT PREVIOUSLY</u>				
CABARRUS	<u>PROGRAMMED, AT REQUEST OF TRANSPORTATION</u>				
ALAMANCE	<u>PLANNING BRANCH.</u>				
ORANGE					
WAKE					
ROWAN					
DAVIDSON					
GUILFORD					
PROJ.CATEGORY					
EXEMPT					

* R-4707	US 29; SR 4771 (REEDY FORK PARKWAY), SR 2641	RIGHT-OF-WAY	FY 2017 -	\$3,220,000	(T)
GUILFORD	(BRYAN PARK ROAD) TO US 29 / SR 4771 (REEDY FORK	UTILITIES	FY 2017 -	\$982,000	(T)
PROJ.CATEGORY	PARKWAY) INTERCHANGE IN GREENSBORO. IMPROVE			\$4,202,000	
REGIONAL	ROADWAY, MODIFY INTERCHANGE AND REPLACE				
	BRIDGE 400360.				
	<u>ROUTE AND DESCRIPTION REVISED TO CONFORM TO</u>				
	<u>ENGINEERING SCOPE AND ENVIRONMENTAL</u>				
	<u>DOCUMENT, TO INCORPORATE SCOPE OF B-5354,</u>				
	<u>AND TO ADD RIGHT OF WAY AND UTILITIES IN FY 17</u>				
	<u>NOT PREVIOUSLY PROGRAMMED, TO ACCOMMODATE</u>				
	<u>BRIDGE REPLACEMENT SCHEDULE.</u>				

* R-4707A	SR 4771 (REEDY FORK PARKWAY), REPLACE BRIDGE	CONSTRUCTION	FY 2018 -	\$8,821,000	(T)
GUILFORD	400360 OVER US 29 AND CONSTRUCT TIE-INS.			\$8,821,000	
PROJ.CATEGORY	<u>ADD CONSTRUCTION IN FY 18 NOT PREVIOUSLY</u>				
DIVISION	<u>PROGRAMMED, TO ACCOMMODATE BRIDGE</u>				
	<u>REPLACEMENT SCHEDULE.</u>				

* R-4707B	US 29, SR 4771 (REEDY CREEK PARKWAY)	CONSTRUCTION	FY 2024 -	\$8,791,000	(T)
GUILFORD	INTERCHANGE. MODIFY INTERCHANGE AND REALIGN		FY 2025 -	\$8,791,000	(T)
PROJ.CATEGORY	/ WIDEN SR 4771.		FY 2026 -	\$8,791,000	(T)
REGIONAL	<u>REMOVE RIGHT OF WAY IN FY 20; RIGHT OF WAY</u>		FY 2027 -	\$8,791,000	(T)
	<u>PROGRAMMED ON R-4707 TO ACCOMMODATE</u>			\$35,164,000	
	<u>BRIDGE REPLACEMENT SCHEDULE.</u>				

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 7

* U-5532
GUILFORD
PROJ.CATEGORY
DIVISION

VARIOUS, GREENSBORO URBAN AREA MPO: BICYCLE, PEDESTRIAN, AND TRANSPORTATION ALTERNATIVES PROGRAM (TAP)-ELIGIBLE PROJECTS	RIGHT-OF-WAY	FY 2016 -	\$0	(STPDA)
		FY 2016 -	\$40,000	(TAPDA)
		FY 2016 -	\$10,000	(L)
		FY 2017 -	\$10,000	(STPDA)
		FY 2017 -	\$10,000	(TAPDA)
		FY 2017 -	\$6,000	(L)
		FY 2018 -	\$10,000	(STPDA)
		FY 2018 -	\$10,000	(TAPDA)
		FY 2018 -	\$6,000	(L)
		FY 2019 -	\$10,000	(STPDA)
		FY 2019 -	\$10,000	(TAPDA)
		FY 2019 -	\$6,000	(L)
		FY 2020 -	\$10,000	(STPDA)
		FY 2020 -	\$10,000	(TAPDA)
		FY 2020 -	\$6,000	(L)
		FY 2021 -	\$10,000	(STPDA)
		FY 2021 -	\$10,000	(TAPDA)
		FY 2021 -	\$6,000	(L)
		FY 2022 -	\$10,000	(STPDA)
		FY 2022 -	\$10,000	(TAPDA)
		FY 2022 -	\$6,000	(L)
		FY 2023 -	\$10,000	(STPDA)
		FY 2023 -	\$10,000	(TAPDA)
		FY 2023 -	\$6,000	(L)
		FY 2024 -	\$10,000	(STPDA)
		FY 2024 -	\$3,000	(L)
		FY 2025 -	\$10,000	(STPDA)
		FY 2025 -	\$3,000	(L)
		FY 2026 -	\$10,000	(TAPDA)
		FY 2026 -	\$3,000	(L)
		FY 2027 -	\$10,000	(TAPDA)
		FY 2027 -	\$3,000	(L)
	CONSTRUCTION	FY 2016 -	\$1,242,000	(STPDA)
		FY 2016 -	\$805,000	(TAPDA)
		FY 2016 -	\$512,000	(L)
		FY 2017 -	\$1,290,000	(STPDA)
		FY 2017 -	\$305,000	(TAPDA)
		FY 2017 -	\$399,000	(L)
		FY 2018 -	\$2,990,000	(STPDA)
		FY 2018 -	\$305,000	(TAPDA)
		FY 2018 -	\$824,000	(L)
		FY 2019 -	\$2,990,000	(STPDA)
		FY 2019 -	\$305,000	(TAPDA)
		FY 2019 -	\$824,000	(L)
		FY 2020 -	\$2,490,000	(STPDA)
		FY 2020 -	\$305,000	(TAPDA)
		FY 2020 -	\$699,000	(L)
		FY 2021 -	\$2,490,000	(STPDA)

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 7

FY 2021 -	\$305,000	(TAPDA)
FY 2021 -	\$699,000	(L)
FY 2022 -	\$2,490,000	(STPDA)
FY 2022 -	\$305,000	(TAPDA)
FY 2022 -	\$699,000	(L)
FY 2023 -	\$2,490,000	(STPDA)
FY 2023 -	\$305,000	(TAPDA)
FY 2023 -	\$699,000	(L)
FY 2024 -	\$2,490,000	(STPDA)
FY 2024 -	\$623,000	(L)
FY 2025 -	\$2,490,000	(STPDA)
FY 2025 -	\$623,000	(L)
FY 2026 -	\$316,000	(TAPDA)
FY 2026 -	\$79,000	(L)
FY 2027 -	\$1,034,000	(TAPDA)
FY 2027 -	\$79,000	(L)
	<u>\$34,785,000</u>	

Y-4807B GUILFORD PROJ.CATEGORY DIVISION	LOWDERMILK STREET SYKES AVENUE, PINE STREET CROSSING CLOSURE AND LOWDERMILK STREET / SYKES AVENUE REALIGNMENT IN GREENSBORO. <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17</u> <u>PENDING AGREEMENT BETWEEN RAILROAD AND</u> <u>CITY.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - \$800,000 (STPDA) FY 2016 - \$160,000 (L) FY 2017 - <u>\$1,100,000</u> (O) \$2,060,000
--	--	------------------------------	---

DIVISION 8

U-5737 CHATHAM PROJ.CATEGORY REGIONAL	US 64 (EAST 11TH STREET), NORTH GLENN AVENUE TO US 421 IN SILER CITY. UPGRADE ROADWAY TO INCLUDE MEDIAN FOR ACCESS CONTROL, SIDEWALKS, CROSSWALKS, BICYCLE LANES AND / OR MULTIUSE SIDEPAH. <u>DESCRIPTION MODIFIED TO EXTEND WESTERN</u> <u>PROJECT LIMIT FOR PURPOSES OF ESTABLISHING</u> <u>LOGICAL TERMINI.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2019 - \$244,000 (T) FY 2019 - \$29,000 (T) FY 2020 - <u>\$9,780,000</u> (T) \$10,053,000
--	--	---	---

DIVISION 9

B-5152 FORSYTH PROJ.CATEGORY HWY FUNDS	SR 1100 (LASATER ROAD), REPLACE BRIDGE 330095 OVER BLANKET CREEK IN CLEMMONS. <u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND</u> <u>CONSTRUCTION FROM FY 17 TO FY 18 TO ALLOW</u> <u>ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2017 - \$195,000 (HFB) FY 2017 - \$98,000 (HFB) FY 2018 - <u>\$1,750,000</u> (HFB) \$2,043,000
---	--	---	--

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 9

* C-4908E	SR 1002 (BRINGLE FERRY ROAD), LONG STREET TO	CONSTRUCTION	FY 2017 -	\$239,000	(CMAQ)
ROWAN	NEWSOME ROAD		FY 2017 -	\$60,000	(L)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 17 TO</u>			\$299,000	
EXEMPT	<u>ALLOW CITY ADDITIONAL TIME TO PREPARE FOR</u>				
	<u>LETTING.</u>				

* C-4908H	MAIN STREET, "D" AVENUE TO SUNSET DRIVE	CONSTRUCTION	FY 2017 -	\$107,000	(CMAQ)
ROWAN	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 17 TO</u>		FY 2017 -	\$27,000	(L)
PROJ.CATEGORY	<u>ALLOW CITY ADDITIONAL TIME TO PREPARE FOR</u>			\$134,000	
EXEMPT	<u>LETTING.</u>				

* C-5160	NEWSOME ROAD, CITY OF SALISBURY - CONSTRUCT	RIGHT-OF-WAY	FY 2016 -	\$25,000	(C)
ROWAN	BIKE LANES.		FY 2016 -	\$101,000	(CMAQ)
PROJ.CATEGORY	<u>DELAY RIGHT OF WAY FROM FY 15 TO FY 16 AND</u>	CONSTRUCTION	FY 2017 -	\$301,000	(C)
EXEMPT	<u>CONSTRUCTION FROM FY 15 TO FY 17 TO ALLOW</u>		FY 2017 -	\$1,205,000	(CMAQ)
	<u>CITY ADDITIONAL TIME TO PREPARE FOR LETTING.</u>			\$1,632,000	

DIVISION 10

* EB-5723	US 74, SR 1520 (INDIAN TRAIL FAIRVIEW ROAD) TO SR	ENGINEERING	FY 2019 -	\$145,000	(TAP)
UNION	1367 (UNIONVILLE INDIAN TRAIL ROAD). CONSTRUCT		FY 2019 -	\$36,000	(L)
PROJ.CATEGORY	A MULTI-USE PATH. SR 1367 (UNIONVILLE INDIAN	RIGHT-OF-WAY	FY 2019 -	\$100,000	(TAP)
DIVISION	TRAIL ROAD) TO OAKWOOD LANE. CONSTRUCT A		FY 2019 -	\$25,000	(L)
	MULTI-USE GREENWAY.	CONSTRUCTION	FY 2020 -	\$1,879,000	(STPDA)
	<u>MODIFY PROJECT SCOPE AND FUNDING AMOUNTS.</u>		FY 2020 -	\$868,000	(TAP)
			FY 2020 -	\$687,000	(L)
				\$3,740,000	

* R-2530B	NC 24-27, BIRD ROAD IN ALBEMARLE TO WEST OF THE	RIGHT-OF-WAY	FY 2018 -	\$14,000,000	(T)
STANLY	PEE DEE RIVER	UTILITIES	FY 2018 -	\$1,900,000	(T)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND</u>	CONSTRUCTION	FY 2020 -	\$14,600,000	(T)
REGIONAL	<u>CONSTRUCTION FROM FY 19 TO FY 20 TO ALLOW</u>		FY 2021 -	\$14,600,000	(T)
	<u>ADDITIONAL TIME TO FOR PLANNING AND DESIGN.</u>			\$45,100,000	

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 10

U-4910A CABARRUS PROJ.CATEGORY DIVISION	SR 1445 (DERITA ROAD), SR 2894 (CONCORD MILLS BOULEVARD) TO AVIATION BOULEVARD. WIDEN TO MULTI-LANES. <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	CONSTRUCTION	FY 2017 - \$9,400,000 (STPDA) FY 2017 - <u>\$2,350,000</u> (L) \$11,750,000
U-4910B CABARRUS PROJ.CATEGORY TRANSITION	SR 1445 (DERITA ROAD), AVIATION BOULEVARD TO SR 1394 (POPLAR TENT ROAD). WIDEN TO MULTI-LANES. <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	CONSTRUCTION	FY 2017 - \$7,160,000 (HP) FY 2017 - <u>\$1,790,000</u> (L) \$8,950,000
* U-5522 CABARRUS PROJ.CATEGORY TRANSITION	CONCORD, CONCORD TRAFFIC MANAGEMENT SYSTEM <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL FOR DESIGN.</u>	CONSTRUCTION	FY 2016 - <u>\$1,100,000</u> DP \$1,100,000
U-5806 CABARRUS PROJ.CATEGORY DIVISION	SR 2894 (CONCORD MILLS BOULEVARD), INTERSECTION OF SR 2894 (CONCORD MILLS BOULEVARD) AND ENTRANCE #1 - KINGS GRANT PAVILION. CONSTRUCT 2-LANE GRADE SEPARATED DIRECTIONAL LEFT FLYOVER. <u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 17 TO FY 18 TO ALLOW A CONSTRUCTION SCHEDULE THAT MINIMIZES TRAFFIC DISRUPTIONS.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$100,000 (T) FY 2018 - \$5,100,000 (T) FY 2018 - <u>\$1,500,000</u> (L) \$6,700,000
* W-5520 UNION PROJ.CATEGORY REGIONAL	US 74, FAIRVIEW ROAD TO WESLEY CHAPEL STOUTS ROAD IN INDIAN TRAIL. CONVERT EXISTING FULL MOVEMENT SIGNALIZED INTERSECTIONS TO SIGNALIZED SUPERSTREET DESIGN. <u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 AND CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - \$1,175,000 (HSIP) FY 2017 - \$5,950,000 (HSIP) \$7,125,000

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 11

I-5801 SURRY PROJ.CATEGORY STATEWIDE	I-77, MILEMARKER 83.4 TO MILEMARKER 85.9. PAVEMENT REHABILITATION. <u>INCREASE FUNDING BASED ON LATEST ESTIMATE.</u>	CONSTRUCTION	FY 2016 -	\$2,500,000	(NHPIM)
				\$2,500,000	

DIVISION 12

* C-5195 CATAWBA PROJ.CATEGORY EXEMPT	CLAREMONT, CONSTRUCT SIDEWALKS AT VARIOUS LOCATIONS IN CLAREMONT. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	CONSTRUCTION	FY 2016 -	\$496,000	(CMAQ)
			FY 2016 -	\$124,000	(L)
				\$620,000	

* C-5196 CATAWBA PROJ.CATEGORY EXEMPT	HICKORY, 16TH. STREET (SANDY RIDGE ROAD) AT 29 TH. AVENUE NE AND 21 ST. AVENUE NE IN HICKORY. CONSTRUCT ROUNDABOUTS. <u>MODIFY PROJECT SCOPE, FUNDING AMOUNTS, AND SCHEDULE.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2016 - FY 2017 - FY 2017 -	\$975,000 \$244,000 \$2,722,000 \$680,000	(CMAQ) (L) (CMAQ) (L)
				\$4,621,000	

* EB-5114 GASTON PROJ.CATEGORY TRANSITION	MOUNT HOLLY, MOUNT HOLLY RIVERFRONT GREENWAY. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR RIGHT OF WAY ACQUISITION.</u>	CONSTRUCTION	FY 2016 - FY 2016 -	\$640,000 \$160,000	(STPEB) (S(M))
				\$800,000	

* EB-5530 IREDELL PROJ.CATEGORY TRANSITION	TROUTMAN, OLD MOUNTAIN ROAD, NORTH MAIN STREET TO SOUTH IREDELL HIGH SCHOOL IN TROUTMAN. CONSTRUCT SIDEWALK ON SOUTH SIDE OF ROAD. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>	CONSTRUCTION	FY 2016 -	\$480,000	(STPEB)
				\$480,000	

* EB-5531 GASTON PROJ.CATEGORY TRANSITION	BESSEMER CITY, 12TH STREET, CHADWICK COURT TO KAISER ROAD AND YELLOW JACKET LANE/BESS TOWN ROAD, 12TH STREET TO 14TH STREET (NC 274). CONSTRUCT SIDEWALKS. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR CITY TO DECIDE WHETHER TO PROCEED WITH PROJECT.</u>	CONSTRUCTION	FY 2016 -	\$300,000	(STPEB)
				\$300,000	

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 12

* EB-5532 IREDELL PROJ.CATEGORY TRANSITION	TROUTMAN, NORTH MAIN STREET GREENWAY, SR 2551 (OLD MURDOCK ROAD) TO SR 2350 (MURDOCK ROAD). CONSTRUCT 10 FEET WIDE GREENWAY. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR RIGHT OF WAY ACQUISITION.</u>	CONSTRUCTION	FY 2016 -	\$430,000	(STPEB)
				\$430,000	
* EB-5534 GASTON PROJ.CATEGORY TRANSITION	GASTONIA, CATAWBA CREEK GREENWAY EXTENSION, FERGUSON PARK TO DOWNTOWN. CONSTRUCT GREENWAY. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR PERMITTING ACTIVITIES.</u>	CONSTRUCTION	FY 2016 -	\$410,000	(STPEB)
				\$410,000	
* EB-5546 CLEVELAND PROJ.CATEGORY EXEMPT	CLEVELAND COUNTY, CONSTRUCT SEGMENT OF GATEWAY TRAIL FROM GALILEE CHURCH ROAD TO BETHLEHEM ROAD. FEDERAL AID NUMBER NC FLAP CLVND TRL(1) <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR CITY TO DECIDE WHETHER TO PROCEED WITH PROJECT.</u>	CONSTRUCTION	FY 2016 -	\$620,000	(STPEB)
				\$620,000	
* EB-5701 GASTON PROJ.CATEGORY DIVISION	US 29/74 (EAST FRANKLIN BOULEVARD), SR 2200 (COX ROAD) TO 1500 FEET EAST OF DUHARTS CREEK. CONSTRUCT MISSING SIDEWALK ON NORTH SIDE. <u>REVISE SCOPE AND INCREASE FUNDING AT THE REQUEST OF THE CITY OF GASTONIA.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2016 - FY 2017 - FY 2017 -	\$29,000 \$116,000 \$219,000 \$875,000	(L) (SRTS) (L) (SRTS)
				\$1,239,000	
* I-5717 IREDELL PROJ.CATEGORY STATEWIDE	I-77, NC 150 INTERCHANGE. CONSTRUCT INTERCHANGE IMPROVEMENTS. <u>ACCELERATE RIGHT-OF-WAY FROM FY 19 TO FY 17 AND CONSTRUCTION FROM FY 21 TO FY 19 TO COORDINATE THE SCHEDULES WITH ADJACENT PROJECT R-2307B.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - FY 2019 -	\$900,000 \$10,200,000	(NHP) (NHP)
				\$11,100,000	

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

STATEWIDE

* C-5571	NORTH CAROLINA RAILROAD, NCDOT PIEDMONT AND	IMPLEMENTATION	FY 2016 -	\$818,000	(CMAQ)
STATEWIDE	CAROLINIAN PASSENGER RAIL SERVICES. PUBLIC		FY 2017 -	<u>\$819,000</u>	(CMAQ)
PROJ.CATEGORY	OUTREACH AND AWARENESS PROGRAM.			\$1,637,000	
EXEMPT	<u>ADD IMPLEMENTATION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF TRANSPORTATION PLANNING BRANCH.</u>				

* Z-5400DIV	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY	RIGHT-OF-WAY	FY 2016 -	\$150,000	(RR)
STATEWIDE	IMPROVEMENTS.		FY 2017 -	\$150,000	(RR)
PROJ.CATEGORY	<u>ADD RIGHT OF WAY AND CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF RAIL DIVISION.</u>	CONSTRUCTION	FY 2016 -	\$900,000	(RR)
DIVISION			FY 2017 -	<u>\$900,000</u>	(RR)
				\$2,100,000	

* Z-5400REG	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY	RIGHT-OF-WAY	FY 2016 -	\$150,000	(RR)
STATEWIDE	IMPROVEMENTS.		FY 2017 -	\$150,000	(RR)
PROJ.CATEGORY	<u>ADD RIGHT OF WAY AND CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF RAIL DIVISION.</u>	CONSTRUCTION	FY 2016 -	\$900,000	(RR)
REGIONAL			FY 2017 -	<u>\$900,000</u>	(RR)
				\$2,100,000	

* Z-5400SW	VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY	RIGHT-OF-WAY	FY 2016 -	\$200,000	(RR)
STATEWIDE	IMPROVEMENTS.		FY 2017 -	\$200,000	(RR)
PROJ.CATEGORY	<u>ADD RIGHT OF WAY AND CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF RAIL DIVISION.</u>	CONSTRUCTION	FY 2016 -	\$1,200,000	(RR)
STATEWIDE			FY 2017 -	<u>\$1,200,000</u>	(RR)
				\$2,800,000	

STIP DELETIONS

DIVISION 3

B-5634	SR 1140 (OXPEN ROAD S.W.), REPLACE BRIDGE 090055	RIGHT-OF-WAY	FY 2024 -	\$51,000	(STPOFF)
BRUNSWICK	OVER BRANCH LITTLE SHALLOTTE RIVER.	CONSTRUCTION	FY 2025 -	<u>\$1,013,000</u>	(STPOFF)
PROJ.CATEGORY	<u>DELETE AT THE REQUEST OF DIVISION.</u>			\$1,064,000	
DIVISION					

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.

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP
HIGHWAY PROGRAM
STIP DELETIONS

DIVISION 7

* B-5354	SR 4771 (REEDY FORK PARKWAY), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$420,000	(NHPB)
GUILFORD	400360 OVER US 29 IN GREENSBORO.	CONSTRUCTION	FY 2018 -	\$2,100,000	(NHPB)
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>		FY 2019 -	\$2,100,000	(NHPB)
DIVISION	<u>PROJECT R-4707.</u>			\$4,620,000	

DIVISION 10

* EB-5778	INDIAN TRAIL, SOUTH FORK CROOKED CREEK	RIGHT-OF-WAY	FY 2020 -	\$300,000	(STPDA)
MECKLENBURG	GREENWAY (INDIAN TRAIL-FAIRVIEW ROAD - US 74).		FY 2020 -	\$75,000	(L)
PROJ.CATEGORY	CONSTRUCT GREENWAY.	CONSTRUCTION	FY 2021 -	\$700,000	(STPDA)
DIVISION	<u>DELETE AT THE REQUEST OF MPO.</u>		FY 2021 -	\$175,000	(L)
				\$1,250,000	

DIVISION 12

* EB-5702	NC 279 (NORTH NEW HOPE ROAD), US 29/74 (EAST	ENGINEERING	FY 2016 -	\$53,000	(SRTS)
GASTON	FRANKLIN BOULEVARD) TO NC 7 (EAST OZARK	RIGHT-OF-WAY	FY 2016 -	\$55,000	(L)
PROJ.CATEGORY	AVENUE). CONSTRUCT MISSING SIDEWALK ON ONE	CONSTRUCTION	FY 2017 -	\$350,000	(SRTS)
DIVISION	SIDE OF ROAD.			\$458,000	
	<u>DELETE AT THE REQUEST OF CITY OF GASTONIA.</u>				

* EB-5706	SR 2200 (COX ROAD), I-85 TO COURT DRIVE.	ENGINEERING	FY 2016 -	\$38,000	(SRTS)
GASTON	CONSTRUCT MISSING SIDEWALK ON BOTH SIDES.	RIGHT-OF-WAY	FY 2017 -	\$73,000	(L)
PROJ.CATEGORY	<u>DELETE AT THE REQUEST OF CITY OF GASTONIA.</u>	CONSTRUCTION	FY 2018 -	\$250,000	(SRTS)
DIVISION				\$361,000	

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.

* INDICATES FEDERAL AMENDMENT

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

ADDITIONS to the Transit 2016-2025 STIP

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)
TO-5212	Piedmont Authority for Regional Transportation – High Point Urban Area	Operating	5307	CMAQ		459					
			Local	L		115					
TA-5197A	Piedmont Authority for Regional Transportation – High Point Urban Area	Bus Replacement	5307	CMAQ		380					
			Local	L		95					
TD-4721	Cape Fear Transportation Authority	Intermodal Facility – Land, Planning, Design, and Construction	5307	STPDA	2,400						
			Local	L	600						
TG-4952	Jacksonville Transit	Routine Capital – Cost of Contracting	FUZ	5307	62	63	66	67	70	71	74
			Local	L	15	16	16	17	17	18	18
		CONTINUED			FY23	FY24	FY25				
			FUZ	5307	76	78	80				
			Local	L	19	20	20				
TO-5212	North Carolina Department of Transportation	Operating Funding for Alamance County Transportation	FUZ	5307	321						
			Local	L	321						
TA-5128A	Rider Transit - Concord	5310 Program Projects - Capital	FEPD	5310	300	300	400	400	500	500	500
			Local	L	75	75	100	100	125	125	125
		CONTINUED			FY23						
			FEPD	5310	500						
			Local	L	125						
TA-5128B	Rider Transit - Concord	5310 Program Projects - Operating	FEPD	5310	135	135	180	180	225	225	225
			Local	L	135	135	180	180	225	225	225
		CONTINUED			FY23						
			FEPD	5310	225						
			Local	L	225						

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.

TA-5128C	Rider Transit - Concord	Administration of 5310 Program	FEPD	5310	30	30	40	40	50	50	50
		CONTINUED			FY23						
			FEPD	5310	50						
TA-5130A	Rider Transit - Concord	5339 Bus & Bus Facilities – Replacement Vehicles	FBUS	5339	300	300	350	350	400	400	400
			Local	L	75	75	88	88	100	100	100
		CONTINUED			FY23						
			FBUS	5339	400						
			Local	L	100						
TA-5130B	Rider Transit - Concord	5339 Bus & Bus Facilities – Expansion Vehicles	FBUS	5339	300	300	350	350	400	400	400
			Local	L	75	75	88	88	100	100	100
		CONTINUED			FY23						
			FBUS	5339	400						
			Local	L	100						
TA-5131	North Carolina Department of Transportation – Chatham Transit Network	Purchase of Three Expansion Vehicles for CMAQ Project	5311	CMAQ		180					
			Local	L		45					
TO-5213	North Carolina Department of Transportation – Chatham Transit Network	Operating Assistance for CMAQ Project	5311	CMAQ		250					
			Local	L		63					

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)
TA-5170	High Point Transit System – Hi Tran	Purchase Replacement Buses	5307	CMAQ		400					
			Local	L		100					
TG-5103B	Rider Transit - Concord	Routine Capital – ADA Services	FUZ	5307	200	200	250	250	300	300	300
			Local	L	50	50	63	63	75	75	75
		CONTINUED			FY 23						
			FUZ	5307	350						
			Local	L	88						
TG-5103C	Rider Transit - Concord	Preventive Maintenance	FUZ	5307	1,000	1,000	1,200	1,200	1,200	1,400	1,400
			Local	L	200	200	300	300	300	350	350
		CONTINUED			FY 23						
			FUZ	5307	1,400						

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.

			Local	L	350						
TA-5125	Rider Transit - Concord	Expansion Bus	FUZ	5307		1,170					
			Local	L		239					
TP-5118	Rider Transit – Concord	Planning Assistance – Cabarrus-Rowan	FMPL	5303	60	60	60	60	60	60	60
			State	S	8	8	8	8	8	8	8
			Local	L	8	8	8	8	8	8	8
		CONTINUED				FY 23					
			FMPL	5303	60						
			State	S	8						
			Local	L	8						
TA-4943	Jacksonville Transit	Expansion Bus – Fixed Route	FUZ	5307		91	93	94	97	98	101
			Local	L		23	23	24	24	25	25
		CONTINUED				FY23	FY24	FY25			
			FUZ	5307	102	105	106				
			Local	L	26	26	27				
TA-4944	Jacksonville Transit	Replacement Bus – Fixed Route	FUZ	5307	178	182	186	190	193	295	302
			Local	L	45	45	46	47	48	74	75
		CONTINUED				FY23	FY24	FY25			
			FUZ	5307	307	314	320				
			Local	L	77	78	80				
TD-4904	Jacksonville Transit	Facility – Transit Center-Downtown	FUZ	5307	3,849						
			State	S	755						
			Local	L	1,520						
TD-4905	Jacksonville Transit	Facility – Park and Ride	FUZ	5307	750						
			Local	L	188						
TG-5225	Jacksonville Transit	Routine Capital – Bus Stop Shelters, benches, shop equipment, spare parts, engines, service vehicles, etc.	FUZ	5307	12	12	13	13	14	14	14
			Local	L	3	3	3	3	3	3	4
		CONTINUED				FY23	FY24	FY25			
			FUZ	5307	14	15	16				
			Local	L	4	4	4				
TG-5109	Jacksonville Transit	Preventive Maintenance – fixed route	FUZ	5307	168	173	178	183	189	194	201
			Local	L	42	43	45	46	47	49	50
		CONTINUED				FY23	FY24	FY25			
			FUZ	5307	206	213	219				
			Local	L	52	53	55				

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.

TO-4923	Jacksonville Transit	Operating Assistance	FUZ	5307	430	439	448	457	466	475	484
			State	SMAP	142	137	132	127	122	118	113
			Local	L	288	302	316	330	344	357	371
		CONTINUED			FY23	FY24	FY25				
			FUZ	5307	494	504	514				
			State	SMAP	109	105	101				
			Local	L	385	399	413				
TP-4908	Jacksonville Transit	Planning Assistance - 5307	FUZ	5307	62	64	66	66	67	70	72
			State	S	8	8	8	8	8	9	9
			Local	L	8	8	8	8	8	9	9
		CONTINUED			FY23	FY24	FY25				
			FUZ	5307	74	76	78				
			State	S	9	10	10				
			Local	L	9	10	10				
TP-5102	Jacksonville Transit	Planning Assistance - 5303	FMPL	5303	28	28	28	29	29	30	30
			State	S	4	4	4	5	5	5	5
			Local	L	4	4	4	5	5	5	5
		CONTINUED			FY23	FY24	FY25				
			FMPL	5303	31	31	32				
			State	S	5	6	6				
			Local	L	5	6	6				
TG-5225C	Jacksonville Transit	Mobility Management	FUZ	5307	53	54	56	58	59	62	63
			Local	L	13	14	14	14	15	15	16
		CONTINUED			FY23	FY24	FY25				
			FUZ	5307	65	67	69				
			Local	L	16	17	17				
TT-4907	Jacksonville Transit		FUZ	5307	36	80	80	80	80	80	80
			Local	L	9	20	20	20	20	20	20
		CONTINUED			FY23	FY24	FY25				
			FUZ	5307	80	80	80				
			Local	L	20	20	20				
TA-4726A	Chapel Hill Transit	3 Replacement Buses	5307	STPDA	973						
			Local	L	199						

Item I-1B, 20 Projects, Total Federal/State funds \$49,979,000



April 6, 2016

*NCDOT REPORT (Efficiency)
Establishing Baseline Unit Pricing*

Mike Holder, PE - Chief Engineer



Establishment of the DOT REPORT Program

- ✓ • Responsiveness
- Efficiency
- Performance
- Oversight
- Restructure
- ✓ • Transparency

Efficiency – Establishing Baseline Unit Pricing & Streamlining Project Delivery

- **Summary of NCDOT Efficiency Requirements per SL 2015-241**
- **Development of Baseline Unit Costs (BUC)**
- **SAS Analysis**
- **Overview of Core Work Activities & Review of Baseline Unit Costs**
- **Going Forward - Monitoring/Reporting on Baseline Unit Costs**
- **Industry Concerns**

NCDOT Efficiencies Requirements

- **Session Law 2015-241, section 29.14.(b) states:**

“Efficiency... Beginning January 1, 2016, no Highway Division shall exceed a ten percent (10%) variance over a baseline unit price set for that year in accordance with this subsection. The Department of Transportation shall institute quarterly tracking to monitor pricing variances. The ten percent (10%) maximum variance set under this subsection is intended to account for regional differences requiring varying product mixes. The Department of Transportation shall report to the Joint Legislative Transportation Oversight Committee and the Fiscal Research Division on December 1, 2015, on information required by this subsection. If a Highway Division exceeds the unit pricing threshold, the Department of Transportation shall report to the Joint Legislative Transportation Oversight Committee and the Fiscal Research Division no later than the fifteenth day following the end of the quarter on why the variance occurred and what steps are being taken to bring the Highway Division back into compliance.”

AND

“Efficiency ... The Department shall adopt procedures in all stages of the construction process to streamline project delivery, including consolidation of environmental review processes, expediting multiagency reviews, accelerating right-of-way acquisitions, and pursuing design-build and other processes to collapse project stages.”

Baseline Unit Costs (BUC)

- Report established baseline unit costs for the following principal, planned work activities:

- 1) Contract Resurfacing * - Hot Mix Asphalt Overlays,
- 2) Pavement Preservation - Contract and Force Account Chip Seals & Crack Sealing
- 3) Division Bridge Replacements,
- 4) 10 Core Planned Maintenance Functions, and
- 5) Free On-Board (FOB) Goods prices for CRS-2L, #78M stone, S9.5A & B asphalt, & ABC stone

* Also reported baseline costs for asphalt plant mix and liquid binder

REGION			
	Coast/ Sandhills	Piedmont	Mountains
Divisions	1,2,3,4,6	5,7,8,9,10,12	11,13,14



SAS Analysis

- SAS, a leader in analytics, based in Cary, NC assisted in setting the baseline unit costs
- NCDOT provided the data sets to SAS for in depth statistical analysis
 - ❖ Note - Data collection included previous fiscal years to obtain a sufficient sample size
- SAS analyzed the data by aggregating by region, division, county, system (primary or secondary), force account or contract, and functional area.
- Work activities were assessed for extreme values and SAS made the determination, when necessary, to remove outliers based on customary statistical practices.



“SAS is the leader in analytics. Through innovative analytics, business intelligence and data management software and services, SAS helps customers at more than 75,000 sites make better decisions faster. Since 1976, SAS has been giving customers around the world THE POWER TO KNOW®.”

Contract Resurfacing – Hot Mix Asphalt Overlays

- Thickness typically ranges from ¾” to 1 ½”
 - ❖ has a significant impact on the cost per lane mile
- Route specific variables impacting cost:

Patching, Edge Repair, & Crack Sealing	Milling
Shoulder Reconstruction & Seeding/Mulching	Pavement Markings & Markers
Adjustment of Manholes, Water Valves, & Drainage Structures	Curb Ramps



- \$464M Annual Allocation
- ~85-90% are contract costs
- Bid & commodity prices will be primary drivers of future costs

Contract Resurfacing (\$/Lane Mile)		
	Primary	Secondary
Coast/Sandhills	\$83,093.87	\$51,770.74
Piedmont	\$110,099.70	\$97,196.32
Mountains	\$137,213.48	\$79,076.40
Statewide	\$97,940.30	\$61,422.01

Pavement Preservation (PP) - Chip Seals & Crack Sealing

- Chip seals account for the majority of PP activities
- Double Seals are primary chip seal application; \$49.3M and 3,860 Lane Mi. in FY 2015 (~75% of PP allocation)



Double Seal Chip Seals (\$/Lane Mile)		
	Contract	Force Account
Statewide	\$15,942.76	\$11,694.17



- Crack sealing added to the list of eligible PP treatments during the 2015 session of the NCGA
- Beginning in FY 2015-16, PP funds will be used to fund this treatment

Crack Sealing (\$/Lane Mile)		
	Primary	Secondary
Statewide	\$3,100.00	\$3,300.00

Division Bridge Replacements

Division Bridge Replacement (\$/SF)		
	Division Managed	Express Design-Build
East (1,2,3,4,6)	\$110.54	* \$92.21
Central (5,7,8,9,10)	\$101.77	\$123.09
West (11,12,13,14)	\$150.34	\$220.75
Statewide	\$117.42	\$153.40



*Average cost may not be representative as sample size includes only one contract in Division 6

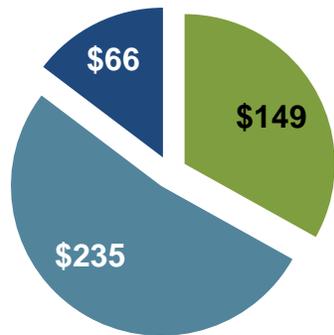
- Avg. Cost/SF is common in industry/consistent with FHWA reporting requirements for federally funded bridge replacement projects
- Miscellaneous items excluded (i.e., bridge approach slabs, under-bridge slope protection, construction/maintenance/removal of temporary detour structure, removal of existing bridge).
- Engineering, right of way, utility relocation and approach roadway construction costs are not included; these costs are variable and site dependent.

Core Maintenance Work Functions

- 10 Work Functions identified
- Maintenance work functions capture wide variety of project scopes; therefore variation in excess of 10% is likely
- Improving data reliability is a major focus area for the Department
- Reactionary **exp.** to be reduced due to legislative increases in CR & PP funding and proactive/planned maintenance strategy
- Additional funding for core maintenance work functions recommended



Annual Maintenance Expenditures (\$Millions)



- 10 Planned Maint. Work Functions
- Reactionary Maintenance Activities
- Service/Support Functions

Maintenance Activity Statewide Baseline Unit Costs			
	Primary	Secondary	Unit of Measure
2817-Mechanical Asphalt Patching	\$250.32	\$222.53	per ton
2900-Grass Mowing	\$63.34	\$39.41	per shoulder mile
2912-Mechanical Brush & Tree Control	\$698.81	\$684.19	per shoulder mile
3104-Litter Removal	\$279.65	\$334.91	per shoulder mile
3108-Drainage Ditch Maintenance	\$12,934.22	10,153.76	per shoulder mile
3112-Shoulder Maintenance/Reconstruction	\$5,672.95	\$4,114.58	per shoulder mile
3126-Install Pipes (48" or Less)	\$194.92	\$155.14	per linear foot
3222-Long Line Painted Pavement Markings	\$0.16	\$0.07	per linear foot
3232-Install/Replace Pavement Markers and Vertical Delineators	\$20.37	\$15.79	each
3300-Install Non NBIS>48" Up to NBIS structures	\$1,084.13	\$1,781.52	per linear foot

Free On-Board (FOB) Goods

- FOB materials are used by Maintenance forces in force account operations
- Either FOB destination or FOB origin
- Four most commonly use commodities for core planned work were selected for analysis
- Primarily used for chip seals, pavement patching, pipe replacement, & shoulder maint.
- Bid & commodity prices (i.e. liquid asphalt binder) will be primary drivers of future costs

	CRS-2L (\$/gal)	S9.5A & S9.5B (\$/ton)	ABC (\$/ton)	No. 78M Stone (\$/ton)
Coast/Sandhills	\$2.15	\$78.66	\$16.80	\$25.14
Piedmont	\$2.21	\$65.99	\$17.24	\$23.69
West	\$2.18	\$77.13	\$12.63	\$18.39
Statewide	\$2.18	\$74.10	\$15.86	\$22.00
Approx. Annual Expenditures	\$13M	\$14M	\$11M	\$3.3M



Monitoring & Reporting

Chief Engineer's Office sends report to Joint Legislative Oversight Committee (JLTOC) & Fiscal Research Division by the 15th day after each quarter.

- Data & input collected from various sources
 - Quarterly reporting of contract baseline unit costs will be based more on when work was paid for than when it was performed for accuracy reasons.
- Report will provide explanation of Division variances >10%
- Department plans to report BUC's that will "roll" with each quarter through a FY
- BUC's will be updated at beginning of each FY

Questions?





Board of Transportation, April 7, 2016

Product Evaluation Program Awareness

Jessica Kuse, PE and Natalie Roskam, PE



Innovative Technologies and Products Awareness Plan Overview

Plan Vision and Goal

- ✓ *Increase the Use of Innovative Technologies and Products by Bringing Greater Visibility and Public Awareness to NCDOT's Product Evaluation Program*
- ✓ *Become a Global Leader in Providing Innovative Transportation Solutions*
- ✓ *Shift From a Passive Business Model to an Active Pursuit of New Technologies and Products*
- ✓ *Comprehensive Product Evaluation Program Will Now Be Enhanced*



Innovative Technologies and Products Awareness Plan Overview

Strategy

✓ Marketing and Communications

- Expand the mass appeal of new innovative technologies and products while marketing for innovative solutions NCDOT needs
- Continuous Request For Information (RFI)

✓ Information Technology

- Improve our internal efficiencies and the evaluation process

✓ Product and Technology Implementation

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



Proposed Timeline

- ☑ December 2015 Board of Transportation's Innovative Technologies and Products Awareness Plan Submitted to the JLTOC
- ☑ March 2016 First Meeting of Technology and Products Oversight Committee
- May 2016 Committee Sets Milestones & Metrics for the Product Evaluation Program
- June 2016 Product Evaluation Program Launches Revised Products Web Portal
- July 2016 2nd Quarterly Implementation Update to the Board of Transportation



Quarterly Product Status Review

Product Name	Product Status	Presented
Turtle Friendly Red Flood Light	Under Evaluation	January 7, 2016
Lookout Warning Alert	Under Evaluation	February 4, 2016
Basalt Fiber Reinforced Polymer Rebar (BFRP)	Under Evaluation	March 3, 2016



Product Highlight (Approved)

Honeywell Titan® 1867

- Honeywell Titan® is a polymer additive which improves pavement structure and extends the life of asphalt pavement according to the manufacturer.
- Honeywell Titan® additives acts as a lubricant to serve as an anti-strip, compaction aid and anti-rutting additive.



Product Highlight (Under Evaluation)

MoorMaster – Automated Mooring System

- MoorMaster is a vacuum-based automated mooring technology that can safely, efficiently, and quickly moor ships.
- Eliminates the need for conventional mooring lines and increases personnel safety.
- Faster turnaround time in port with improved operations' safety and efficiency; one man can moor a ship with remote control.





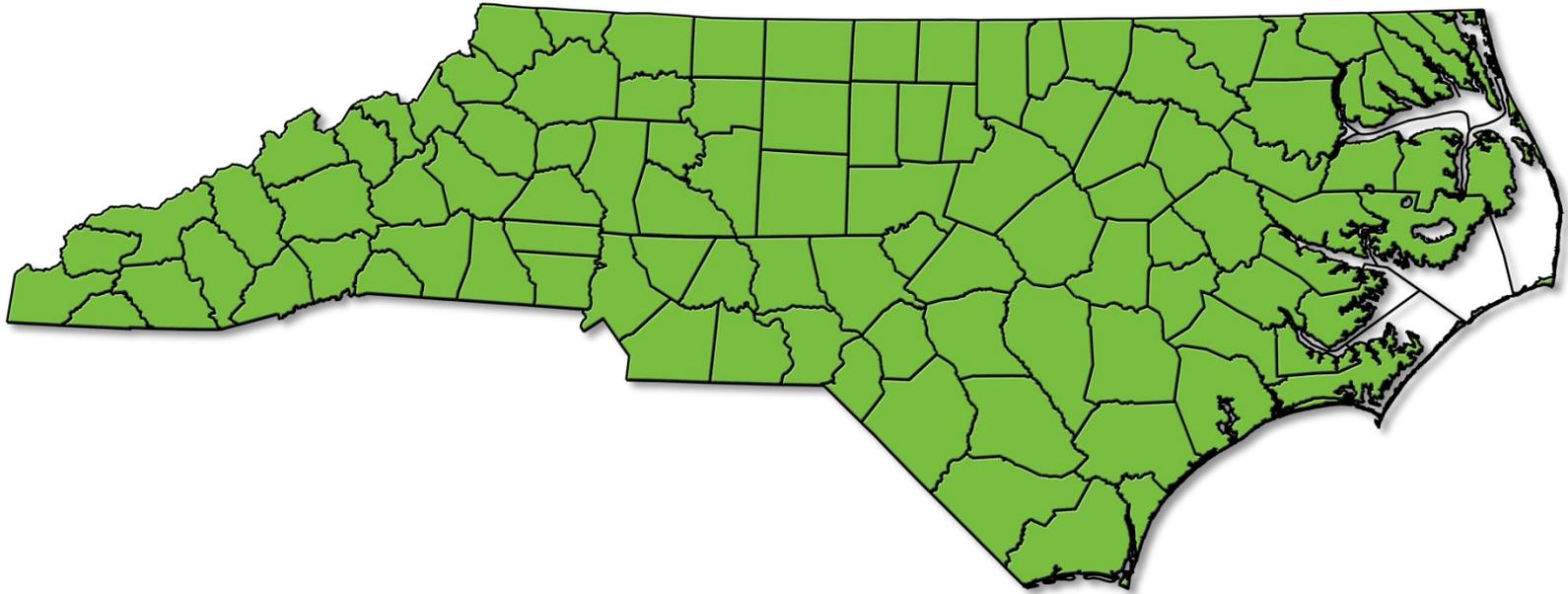
April 7, 2016

2015 Wildflower & Daylily Awards

Don G. Lee / Garden Club of NC



*W. D. Johnson Daylily Awards
2nd Place*

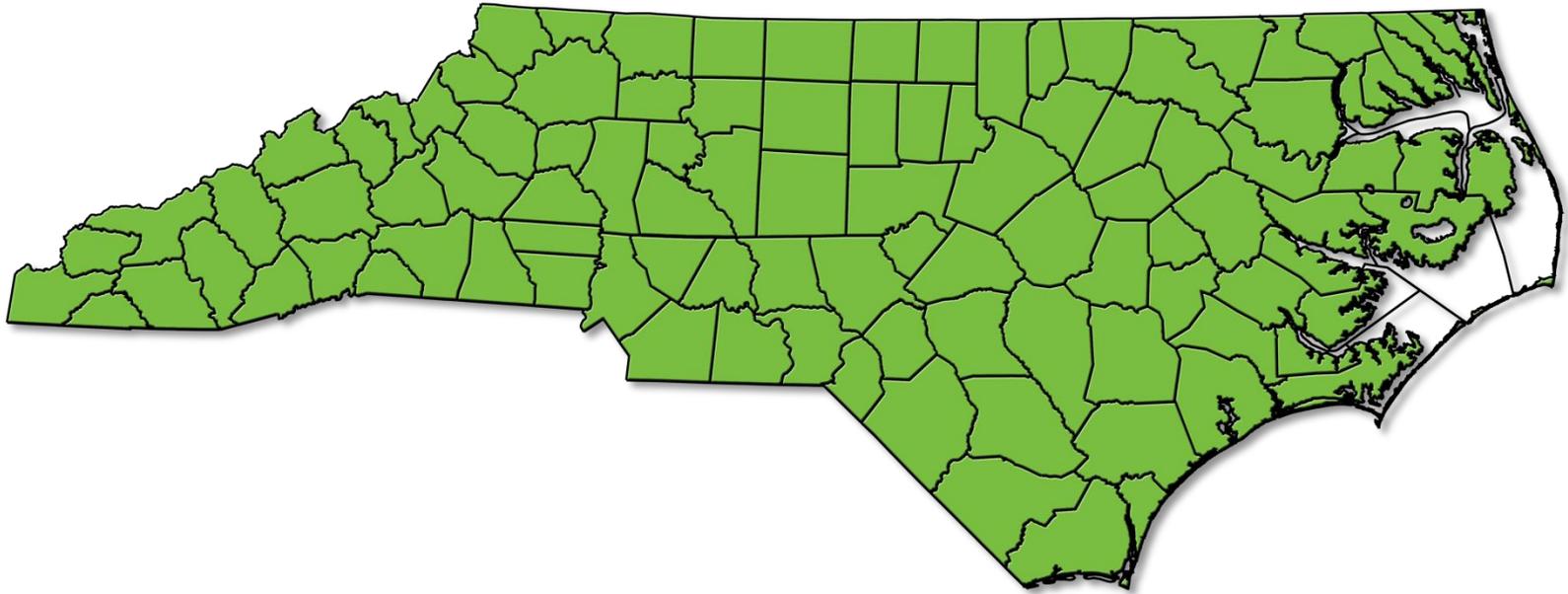


*W. D. Johnson Daylily Awards
2nd Place – Division 13*



I-240 at MM 1.5 Amboy Road
Buncombe County

*W. D. Johnson Daylily Awards
1st Place*



*W. D. Johnson Daylily Awards
1st Place – Division 5*

I-85 Welcome Center
Warren County



W. D. Johnson Daylily Awards

1st Place – Division 5

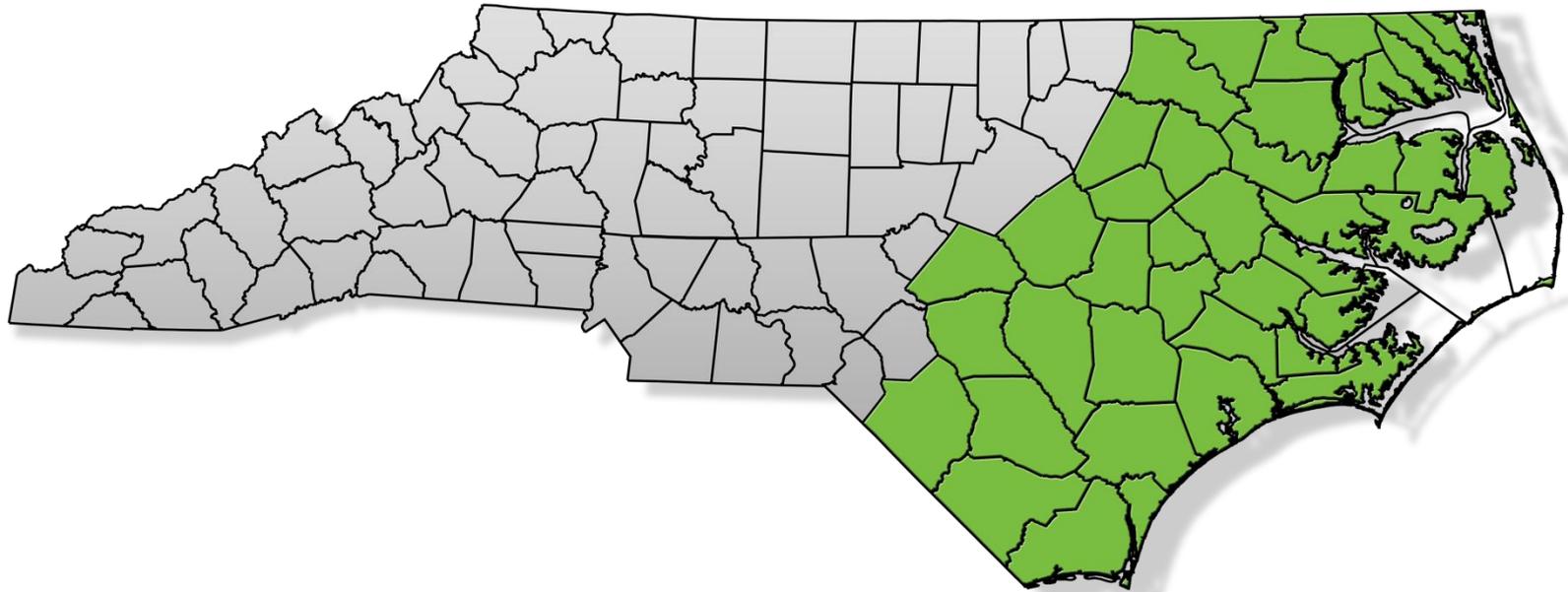
I-85 Welcome Center
Warren County



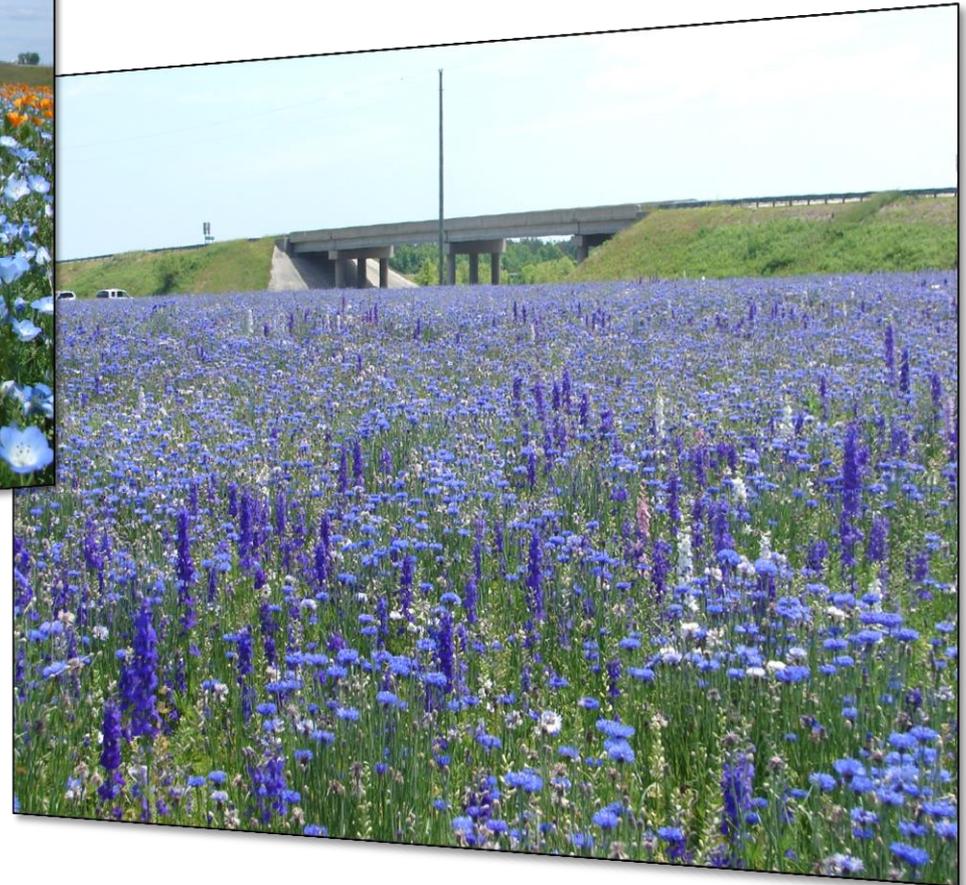
2015 Wildflower Awards



*Best Regional Planting – Eastern Region
2nd Place*

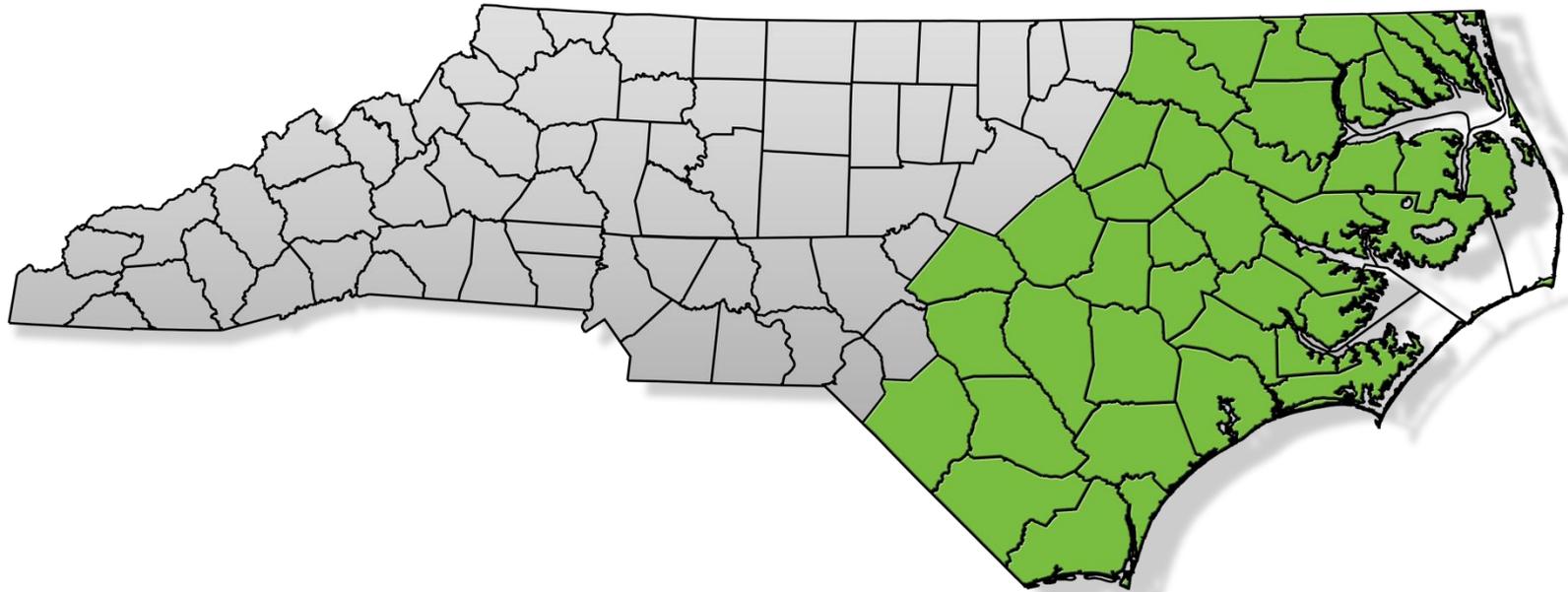


*Best Regional Planting – Eastern Region
2nd Place – Division 1*



US-64 – Martin County

*Best Regional Planting – Eastern Region
1st Place*



*Best Regional Planting – Eastern Region
1st Place – Division 4*

US 117 - Dudley

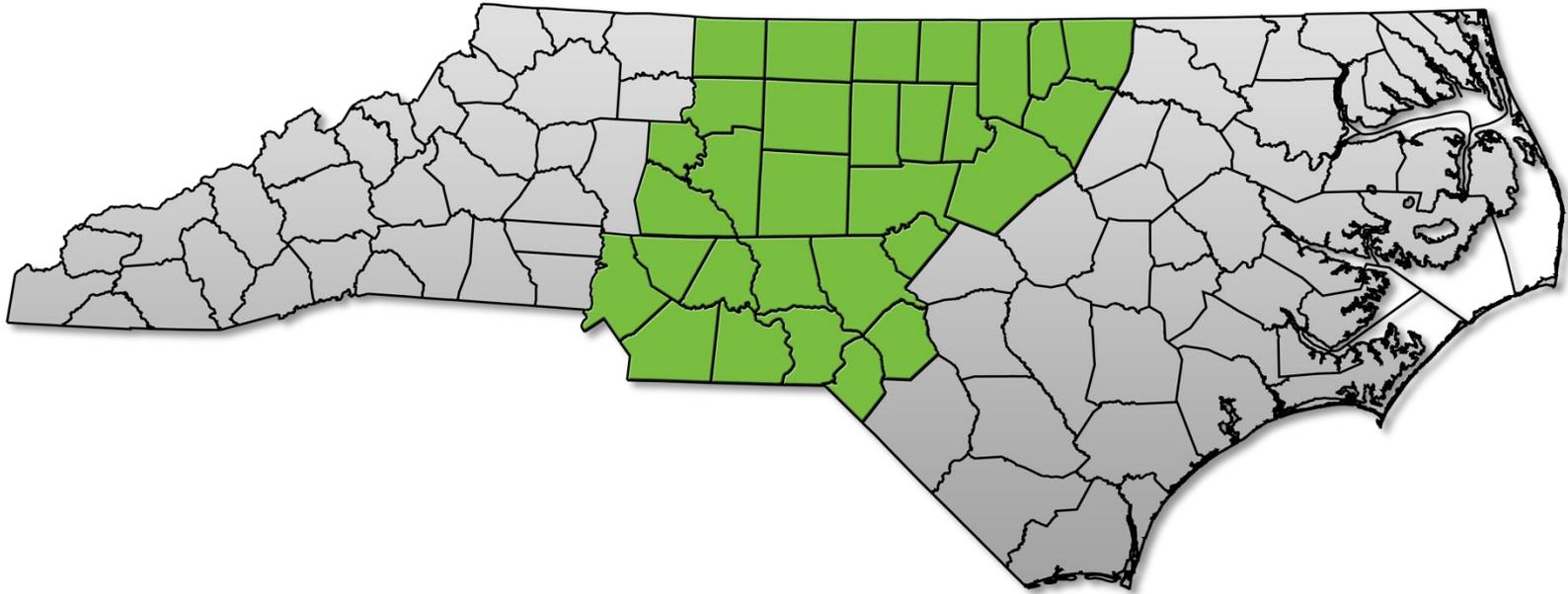


*Best Regional Planting – Eastern Region
1st Place – Division 4*

US 117 - Dudley



*Best Regional Planting – Central Region
2nd Place*



*Best Regional Planting – Central Region
2nd Place – Division 7*



I-40/85 at Mt. Hope Church Rd.
Guilford County

*Best Regional Planting – Central Region
1st Place – Division 10*

NC 24 at Old Concord Road
Mecklenburg County

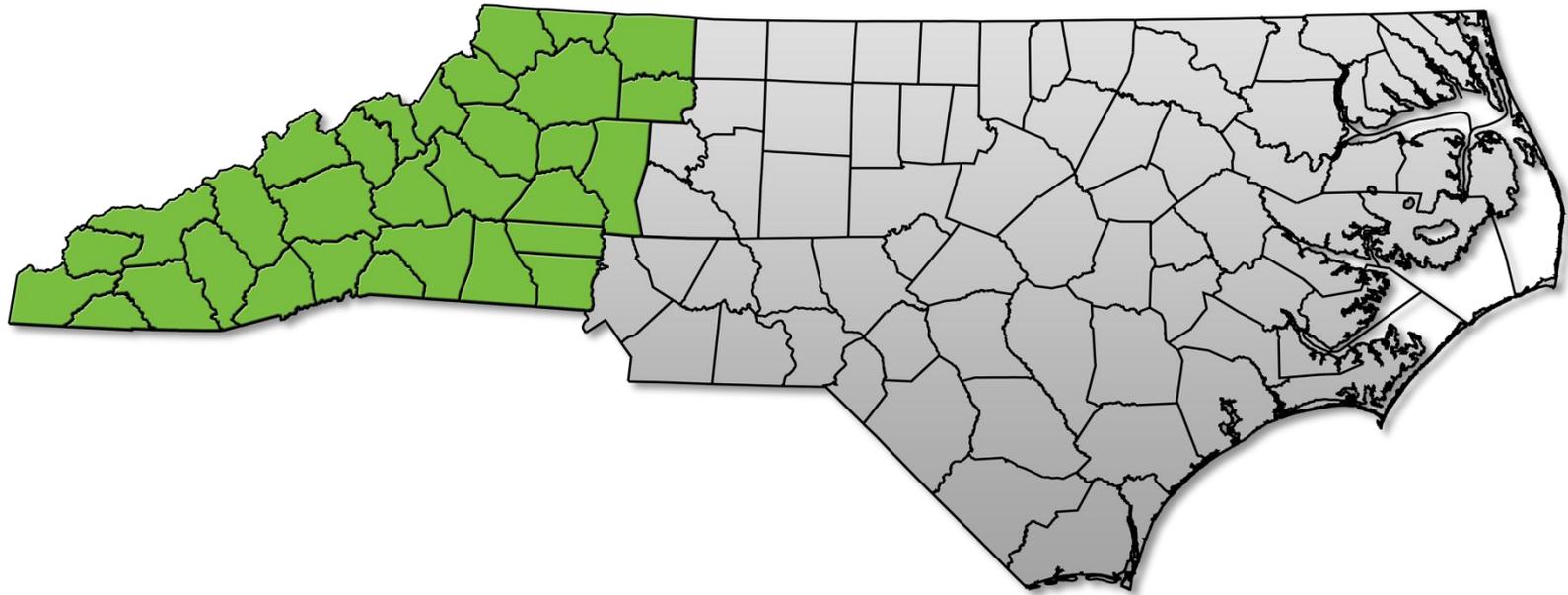


*Best Regional Planting – Central Region
1st Place – Division 10*

NC 24 at Old Concord Road
Mecklenburg County



*Best Regional Planting – Western Region
2nd Place*

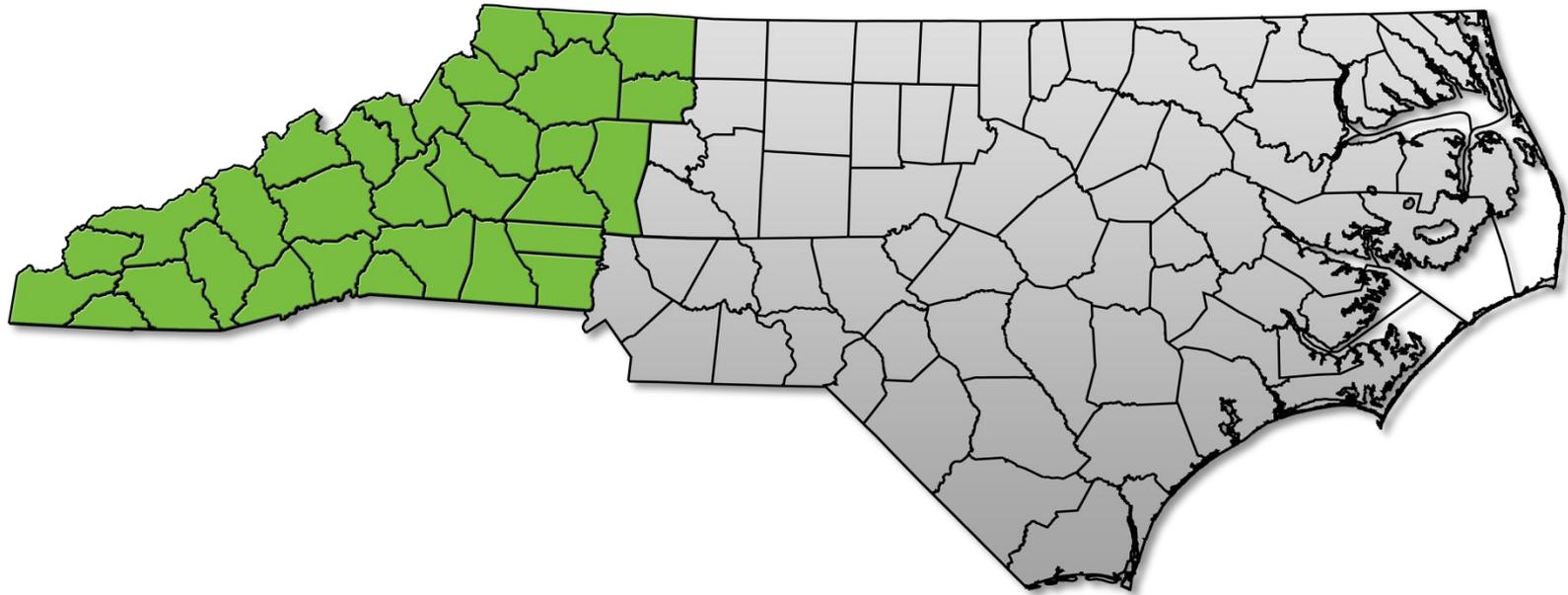


*Best Regional Planting – Western Region
2nd Place – Division 13*

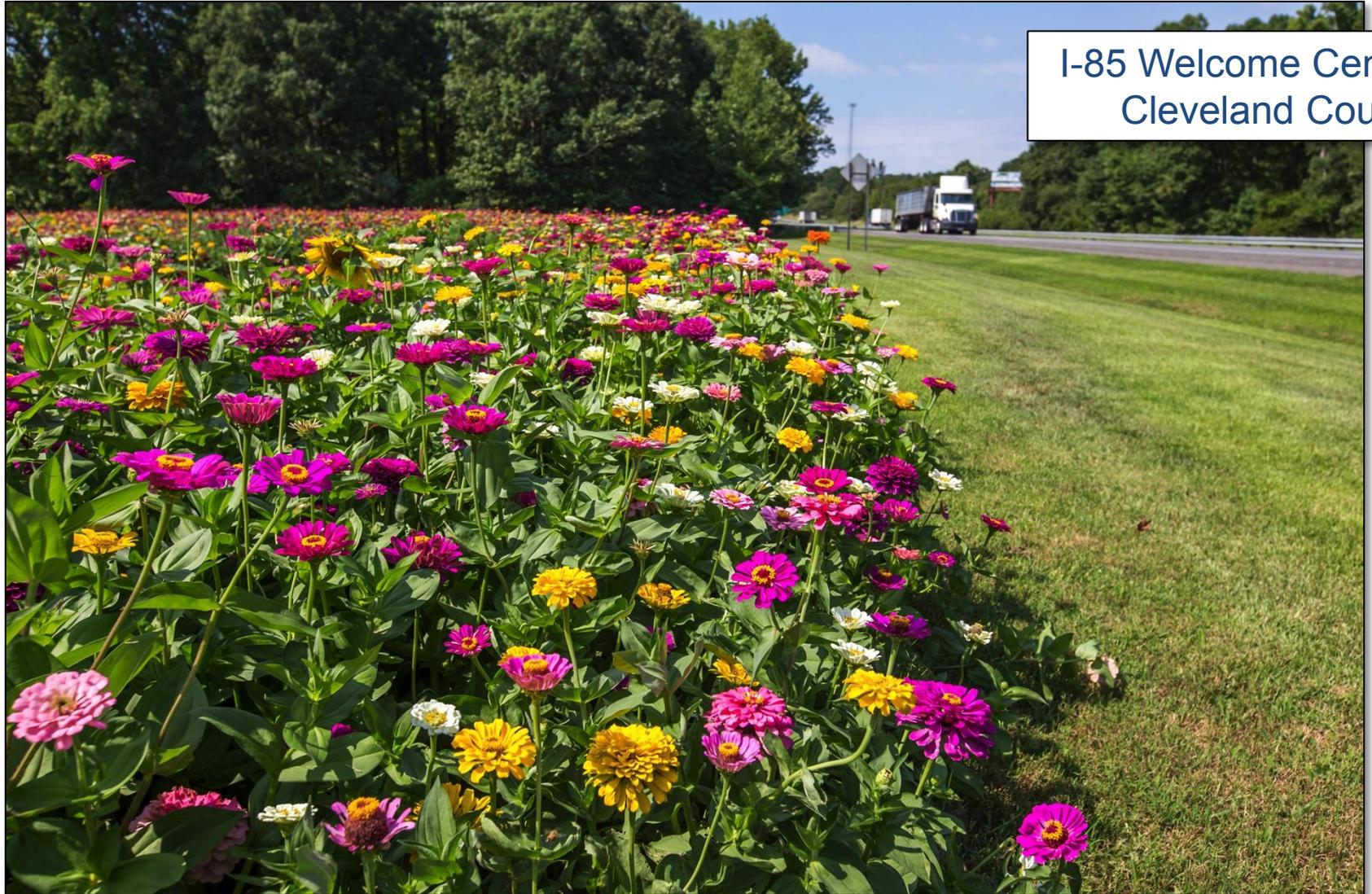


I-40 at Exit 50 and US 25
Buncombe County

*Best Regional Planting – Western Region
1st Place*



*Best Regional Planting – Western Region
1st Place – Division 12*



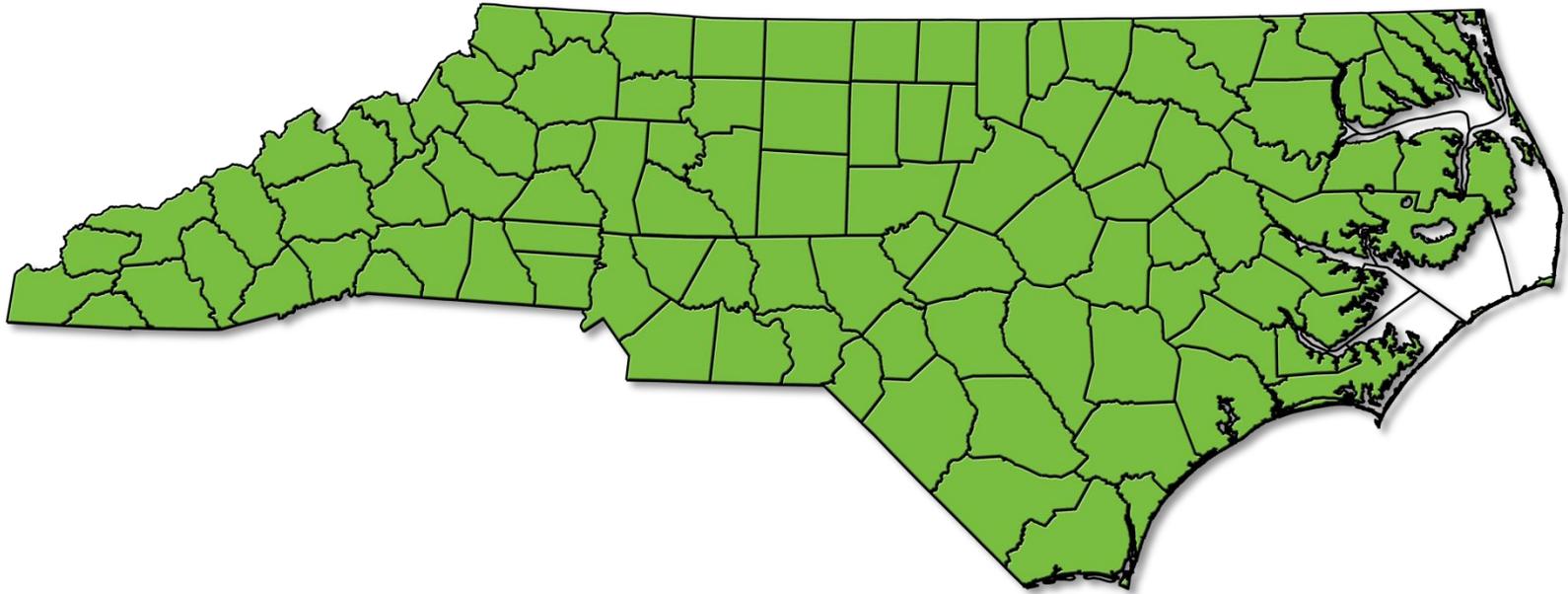
I-85 Welcome Center
Cleveland County

Best Regional Planting – Western Region 1st Place – Division 12

I-85 Welcome Center
Cleveland County



*Best Overall Division Wildflower Program
2nd Place*



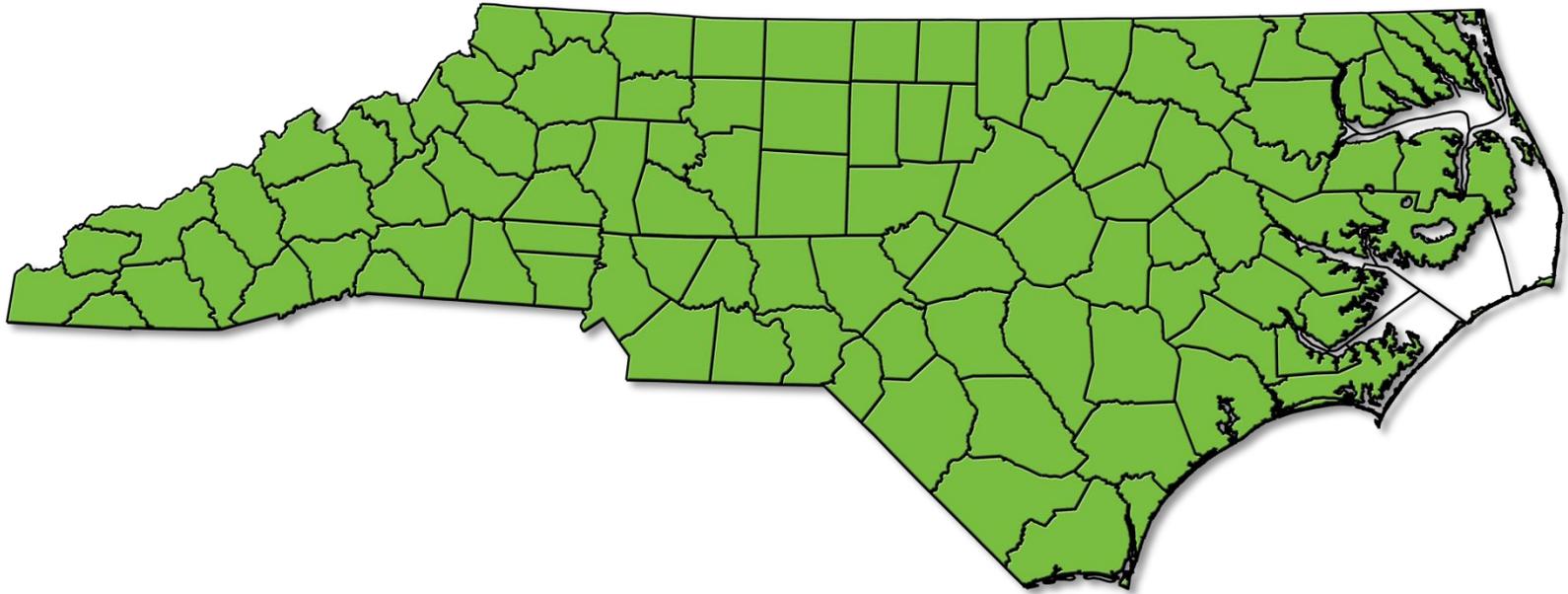
*Best Overall Division Wildflower Program
2nd Place – Division 11*



*Best Overall Division Wildflower Program
2nd Place – Division 11*



*Best Overall Division Program
1st Place*



*Best Overall Division Wildflower Program
1st Place – Division 13*



*Best Overall Division Wildflower Program
1st Place – Division 13*



*Best Overall Division Wildflower Program
1st Place – Division 13*



North Carolina Wildflower Program

- 2015 was the 30th Anniversary of the North Carolina Wildflower Program.
- Former First Lady Dottie Martin inspired this program in 1985.



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS COMMITTEE MEETING MINUTES

DATE: 03/02/2016 TIME: 1:31PM LOCATION: Room 150

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

AGENDA TOPICS

1. APPROVAL OF FEBRUARY MEETING MINUTES - CHAIR HUTCHENS

DISCUSSION SUMMARY	Mr. Hutchens moved to approve the February 2016 ED&IR Committee Meeting minutes, Mr. Perkins seconded the motion and the minutes were approved unanimously.
ACTIONS TAKEN	Approval of February Meeting Minutes

2. ROLE OF TRANSPORTATION IN THE STATE'S TOURISM ECONOMIES

DISCUSSION SUMMARY	Wilt Tuttle, the Executive Director of NC Tourism was asked to present the role transportation plays in the tourism industry in the state by the EDIR Committee. Wilt began by stating the tourism is a \$21 Billion industry in the state and helps contribute to a billion dollars to the state's tax base. Relating the stats to transportation, 80% of visitors travel via car and 1/3 of all tourism spending is related to transportation. When asked by board members what more can be done to help the tourism industry, Wilt added that redundancy to networks is a reoccurring topic brought up by Coastal and Mountain communities. Chair Hutchens and Vice-Chair Overholt thanked Wilt for his insight and for helping the committee better understand a major sector in the state's economy.
ACTIONS TAKEN	The summary was received.

3. MEETING ADJOURNED – CHAIR HUTCHENS

DISCUSSION SUMMARY	Meeting adjourned at 2:01 p.m.
ACTIONS TAKEN	



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS COMMITTEE AGENDA

BOARD OF TRANSPORTATION APRIL 6, 2016

TIME: 2:15PM

LOCATION: Room 150

TOPIC	PRESENTER	TIME
Welcome & Approval of Minutes	Terry Hutchens, Chair	2:15-2:20
The Makeup of Different NC Economies by Prosperity Zone	Jeff DeBellis, NC LEAD	2:20-3:00
Discussion & Adjourn	All	3:00-3:15



Transportation

FUNDING & APPROPRIATION STRATEGIES COMMITTEE MEETING MINUTES

DATE: 3/2/16 TIME: 1:30 LOCATION: EIC

MEETING CALLED BY	Vice Chairman Jim Crawford
BOARD ATTENDEES	Vice Chairman Jim Crawford, Mr. David Brown, Mr. Andy Perkins, Mr. Jack Debnam, Mr. John Lennon, Mr. David Tyeryar (staff)

AGENDA TOPICS

1. MEETING CALL TO ORDER AND APPROVAL OF FEBRUARY MINUTES	
DISCUSSION SUMMARY	Moved by Mr. Debnam, seconded by Mr. Perkins
ACTIONS TAKEN	Approved unanimously

2. RIGHT OF WAY – TOM CHILDREY	
DISCUSSION SUMMARY	Presentation: Continuation of February ROW presentation. ROW process varies due to a multitude of variables. Steps in the process include: Receipt of Highway Plans and Authorization, Initial Contact with Owners, Appraisals, Offers to Owners, Claims Settled, Condemnations, Relocations and Revisions. ROW is proactive handling 3,000- 3,200 claims per year and settling 80-82% before the condemnation stage. Mr. Lennon questioned the "as of" date on ROW offers and alternatives as well as who is providing the estimates in current STIP. Mr. Debnam questioned how many reviewers we have and that our appraisers spend more time reviewing than appraising. Ann Dishong confirmed the issue of getting additional appraisers is being addressed. Mr. Childrey confirmed the time frame for condemnation is approximately 9 months but varies by case. Questioned the relocation agent's options on finding comparable properties for residential relocations.
ACTIONS TAKEN	No action taken.

3. DAMAGE CLAIMS RECOVERY PROJECT – ANN DISHONG/ DOUG COX	
DISCUSSION SUMMARY	Presentation: Purpose of the project is to shorten cycle time to recover damages and increase amount recovered. Recoverable damage claims has improved, but the largest part of monies lost is due to unrecoverable damage claims. Project is to institute a pilot tracking system to track how much is being spent by NCDOT on unrecoverable damages and get a baseline for future budgeting.
ACTIONS TAKEN	No action taken.

Adjourned: 2:22



FUNDING & APPROPRIATION STRATEGIES COMMITTEE (FAST) AGENDA

BOARD OF TRANSPORTATION
APRIL 6, 2016

TIME: 2:15 – 3:15 p.m.

LOCATION: EIC

TOPIC	PRESENTER
Call to Order - Approval of March minutes	Cheryl McQueary, Chair
Equipment Replacement	Scott Capps
Facilities Management Division	Priscilla Williams
Comments and Wrap-up	Cheryl McQueary, Chair



Funding and Appropriation Strategies (FAST) Committee

April 6, 2016

NCDOT Equipment Replacement

Scott Capps, PE, CEM



NCDOT Equipment Replacement Program

Financing

- Revolving Fund
- Rental Rate Calculator

Analysis

- ECU/UNCC Analysis Tool
- Utilization Audit
- Disposal Analysis
- Rent verses Own
- Repair verses Replace

Fair Share



Financing

Revolving Fund

- North Carolina Department of Transportation utilizes an Equipment Revolving Fund.
- Divisions and Units pay a specified rental rate for equipment utilized.
- The rental rate is the basis for funding fleet operations and equipment replacement purchases.



Financing

Revolving Fund

- “DOT’s using revolving funds for financing fleet replacement costs reported that the source of monies is a system of charge-back rates. Most DOT’s using charge-back rates reported that:
 - (1) revenues cover all costs
 - (2) all rates have been updated in the past two years
 - (3) specific methods are used for setting charge-back rates
 - (4) replacement reserves in the revolving funds are almost never raided to meet other spending needs.”
- “No other financing method has such a high level of satisfaction.”

(NCHRP synthesis 452 – State Department of Transportation Fleet Replacement Management Practices)



Financing

Rental Rate Calculator

- **Direct Costs** - repair and preventive maintenance labor costs, repair and preventive maintenance material costs, tires, fuel & oil, other known non-work order direct costs.
- **Indirect Costs** - non-work order related personnel costs, travel, utilities, facilities maintenance, liability insurance for equipment, shop equipment and supplies, license plates and highway use tax.
- **New Equipment Costs** - costs of replacing equipment .
- **Utilization Rate** - The number of hours the equipment is actually used (reported on an FR1101) divided by the number of hours of available use (2080 hours) (minus downtime) within a defined 12 month period.
- **Salvage Values** – Represents the average for the class code of the dollar return on the equipment when sold.
- **Life Cycle** - The optimum number of years to own a piece of equipment based on direct, indirect, replacement, and inflationary costs.



Financing

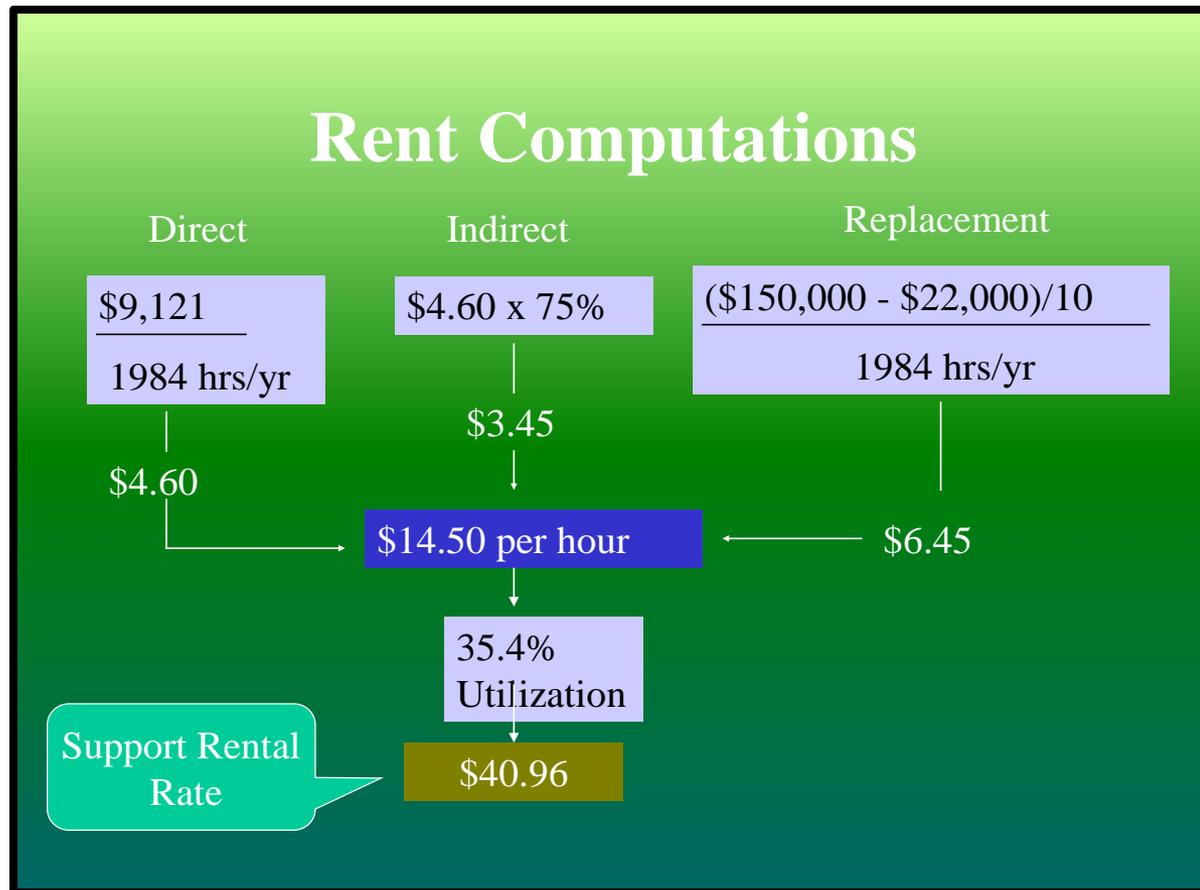
Rental Rate Calculator (Example)

- Active Motor Graders (0900): 503
- Direct Costs : \$4,587,870 (\$9,121 per grader)
- Total Available Hours (1984 X 503) = 997,952 hours
- Rental Hrs Reported on FR1101 : 353,285 hours
- Utilization: $353,285 / 997,952 = 35.4\%$
- Indirect Costs: 75% of Direct Costs
- Replacement Costs: \$150,000/ unit
- Life Cycle : 10 years
- Average Salvage Value: \$22,000



Financing

Rental Rate Calculator (Example)



Analysis

NCHRP Synthesis 452

“Decision Support Methods DOT’s use for Planning Asset Replacements”

1. **Replacement cycle polices based on formal analysis of life cycle costs.**
 2. Replacement cycle policies based on judgement, experience, rules of thumb, etc.
 3. Multiyear fleet replacement plans showing future replacement dates and costs by asset.
 4. Replacement lists that identify assets meeting pre-defined criteria (e.g., age or mileage).
 5. Methods for prioritizing specific assets for replacement when funds are insufficient to replace every asset that should be replaced.
 6. **Repair verses replace tools or policies that target specific assets needing expensive repairs.**
- ECU/UNCC Research Project (Example ½-ton Pick-ups)
 - Disposal Analysis
 - Utilization Report



Analysis Example

Economic Analyses Summary NCDOT Equipment and Inventory Control

Class:	0201
Description:	TRUCK, 5000 GVW
Functional Code:	All (3)
Fleet Status Summary	
Data from year	2014
Number of units	2,208
Average annual usage	12,439 Miles
Total annual fleet usage	27,466,038 Miles/yr
Average unit age at year end	6.2 yrs
Average unit utilization	77.7 %
Average operating rate	\$ 0.32 per Mile

To provide an example of the type of analysis used, this slide is a screen shot of the UNCC/ECU analysis tool.

Economic Analyses	
Input Values	
Interest Rate	3.0 %
Inflation Rate	2.4 %
Purchase Price	\$ 24,442
Depreciation Term	5 yrs
Residual Value	17 %
Initial operating rate	\$ 0.23 per Mile
Annual operating rate factor	0.0436

Analyses Results		Reduced Fleet Size and Limited Annual Usage Decline						
	Current Fleet	0 %	10 %	20 %	30 %	40 %	50 %	
Fleet reduction	0 %	0 %	10 %	20 %	30 %	40 %	50 %	
Number of units	2,208	2,208	1,987	1,766	1,546	1,325	1,104	
Initial usage (Miles)	17,231	14,464	15,708	17,281	19,311	22,532	26,467	
Annual usage decline (Miles)	-772	-289	-314	-346	-386	-451	-529	
Economic life (yrs)	15	14	12	11	9	8	7	
Age at economic life (Miles)	171,638	174,174	165,888	169,158	158,166	165,824	172,309	
LTD total rate at economic life (\$/Miles)	\$ 0.43	\$ 0.43	\$ 0.43	\$ 0.44	\$ 0.44	\$ 0.44	\$ 0.44	

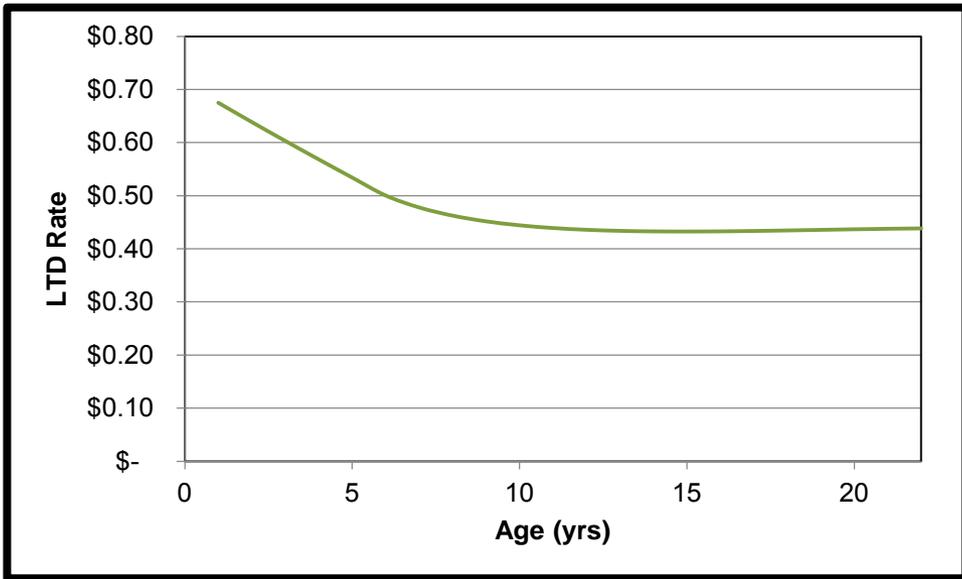
Analysis Example

To provide an example of the type of analysis used, this slide is a screen shot of the UNCC/ECU analysis tool.

Interest Rate	3%
Initial MV	\$ 24,442
Depreciation Term	5
Sum of Years	15
Residual Value	17%
Initial Miles	17,231
Mile Decline	-772
Cost/Mile	\$ 0.23
Annual Cost Factor	0.0436
Inflation Rate	0.024

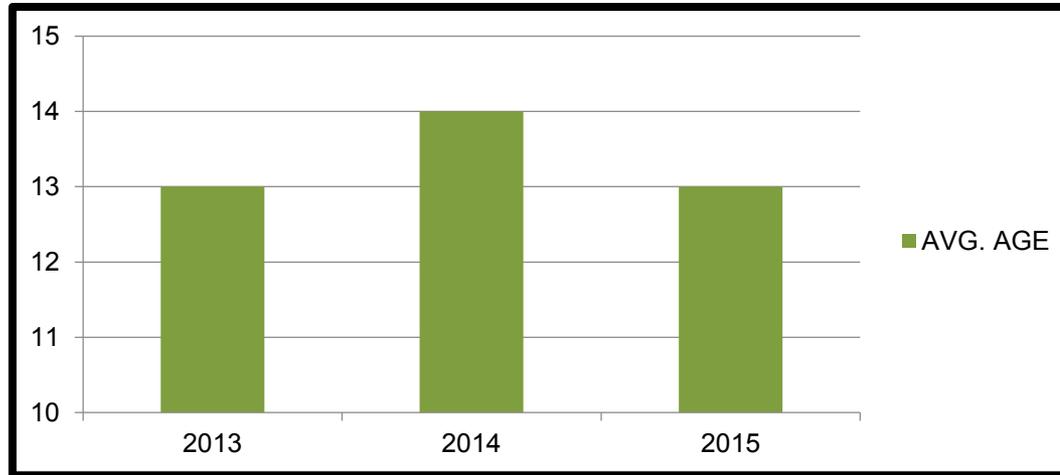
Min Economic Life	\$ 5,289	per year	\$ 0.43	per Mile
No Min		years	15	years

Year	Market Value	Owning EUAC	Miles	Operating Cost	Operating Cost PV	Operating EUAC	LTD EUAC	LTD Miles	LTD PV	LTD Rate (\$/Mile)
0	\$ 24,442									
1	\$ 17,679	\$ 7,495	16,845	\$ 4,217	\$ 4,094	\$ 4,217	\$ 11,712	16,845	\$ 11,371	\$ 0.68
2	\$ 12,270	\$ 6,729	16,074	\$ 4,304	\$ 4,057	\$ 4,260	\$ 10,989	32,919	\$ 21,027	\$ 0.64
3	\$ 8,212	\$ 5,984	15,302	\$ 4,383	\$ 4,011	\$ 4,300	\$ 10,283	48,221	\$ 29,088	\$ 0.60
4	\$ 5,508	\$ 5,259	14,530	\$ 4,452	\$ 3,955	\$ 4,336	\$ 9,595	62,751	\$ 35,665	\$ 0.57
5	\$ 4,155	\$ 4,554	13,758	\$ 4,509	\$ 3,889	\$ 4,369	\$ 8,923	76,509	\$ 40,864	\$ 0.53
6	\$ 4,155	\$ 3,870	12,986	\$ 4,553	\$ 3,813	\$ 4,397	\$ 8,266	89,495	\$ 44,781	\$ 0.50
7	\$ 4,155	\$ 3,381	12,214	\$ 4,580	\$ 3,724	\$ 4,421	\$ 7,802	101,709	\$ 48,607	\$ 0.48
8	\$ 4,155	\$ 3,015	11,443	\$ 4,590	\$ 3,623	\$ 4,440	\$ 7,455	113,152	\$ 52,328	\$ 0.46
9	\$ 4,155	\$ 2,730	10,671	\$ 4,579	\$ 3,509	\$ 4,454	\$ 7,184	123,823	\$ 55,933	\$ 0.45
10	\$ 4,155	\$ 2,503	9,899	\$ 4,543	\$ 3,381	\$ 4,461	\$ 6,964	133,721	\$ 59,406	\$ 0.44
11	\$ 4,155	\$ 2,317	9,127	\$ 4,481	\$ 3,237	\$ 4,463	\$ 6,780	142,848	\$ 62,734	\$ 0.44
12	\$ 4,155	\$ 2,163	8,355	\$ 4,388	\$ 3,078	\$ 4,458	\$ 6,620	151,204	\$ 65,899	\$ 0.44
13	\$ 4,155	\$ 2,032	7,583	\$ 4,260	\$ 2,901	\$ 4,445	\$ 6,477	158,787	\$ 68,884	\$ 0.43
14	\$ 4,155	\$ 1,921	6,811	\$ 4,093	\$ 2,706	\$ 4,424	\$ 6,345	165,598	\$ 71,673	\$ 0.43
15	\$ 4,155	\$ 1,824	6,040	\$ 3,882	\$ 2,492	\$ 4,395	\$ 6,219	171,638	\$ 74,245	\$ 0.43
16	\$ 4,155	\$ 1,740	5,268	\$ 3,622	\$ 2,257	\$ 4,357	\$ 6,097	176,906	\$ 76,579	\$ 0.43
17	\$ 4,155	\$ 1,665	4,496	\$ 3,307	\$ 2,001	\$ 4,309	\$ 5,974	181,401	\$ 78,655	\$ 0.43
18	\$ 4,155	\$ 1,600	3,724	\$ 2,930	\$ 1,721	\$ 4,250	\$ 5,849	185,125	\$ 80,450	\$ 0.43
19	\$ 4,155	\$ 1,541	2,952	\$ 2,484	\$ 1,417	\$ 4,179	\$ 5,720	188,078	\$ 81,937	\$ 0.44
20	\$ 4,155	\$ 1,488	2,180	\$ 1,963	\$ 1,087	\$ 4,097	\$ 5,585	190,258	\$ 83,093	\$ 0.44
21	\$ 4,155	\$ 1,441	1,408	\$ 1,356	\$ 729	\$ 4,001	\$ 5,442	191,666	\$ 83,889	\$ 0.44
22	\$ 4,155	\$ 1,398	637	\$ 656	\$ 342	\$ 3,892	\$ 5,289	192,303	\$ 84,297	\$ 0.44



Analysis

Disposal Analysis



Utilization Report

- Fleet and Material Management Unit will provide fleet managers the end-of -year under 20% utilization report for the previous calendar year by **January 31st**.
- Area Equipment Superintendents and appropriate division staff will review the report and either designate equipment for transfer or disposal or document appropriate reasons to retain. The completed division review will be returned to the Fleet and Material Management Unit by **April 1st**.
- Fleet and Material Management unit will consolidate each division into a statewide report, review, and forward to the Chief Engineer for certification by **May 1st**.
- The Chief Engineer will certify the report and return to fleet managers with recommendations by **June 1st**.



Analysis

Rent verses Own

- Analyze utilization
- Analyze need (seasonal)
- Investigate rental contracts availability/price

Repair verses Replace

- Research warranty options
- Past depreciated life
- Is repair greater than 50% of current value (further analysis required for heavy equipment)
- Operational need
- Replacement time frame
- Any repair greater that \$5000 submitted to FMMU for further analysis



Questions?





Funding & Appropriation Strategies Committee
April 6, 2016

Facilities Management Division

Priscilla Tyree Williams, PE
Director, Facilities Management Division
& Capital Projects Coordinator



Agenda

Facilities Management Division

- Roles and Responsibilities

Capital Improvements Program Administration

- Facility Condition Assessment Program (FCAP)
- Capital Improvement Budget Development
 - Capital Projects Prioritization Criteria

Questions

Facilities Management Division

Facilities Management Division

```
graph TD; A[Facilities Management Division] --- B[Real Estate]; A --- C[Energy Management]; A --- D[Facilities Maintenance]; A --- E[Facilities Design];
```

Real Estate

Energy
Management

Facilities
Maintenance

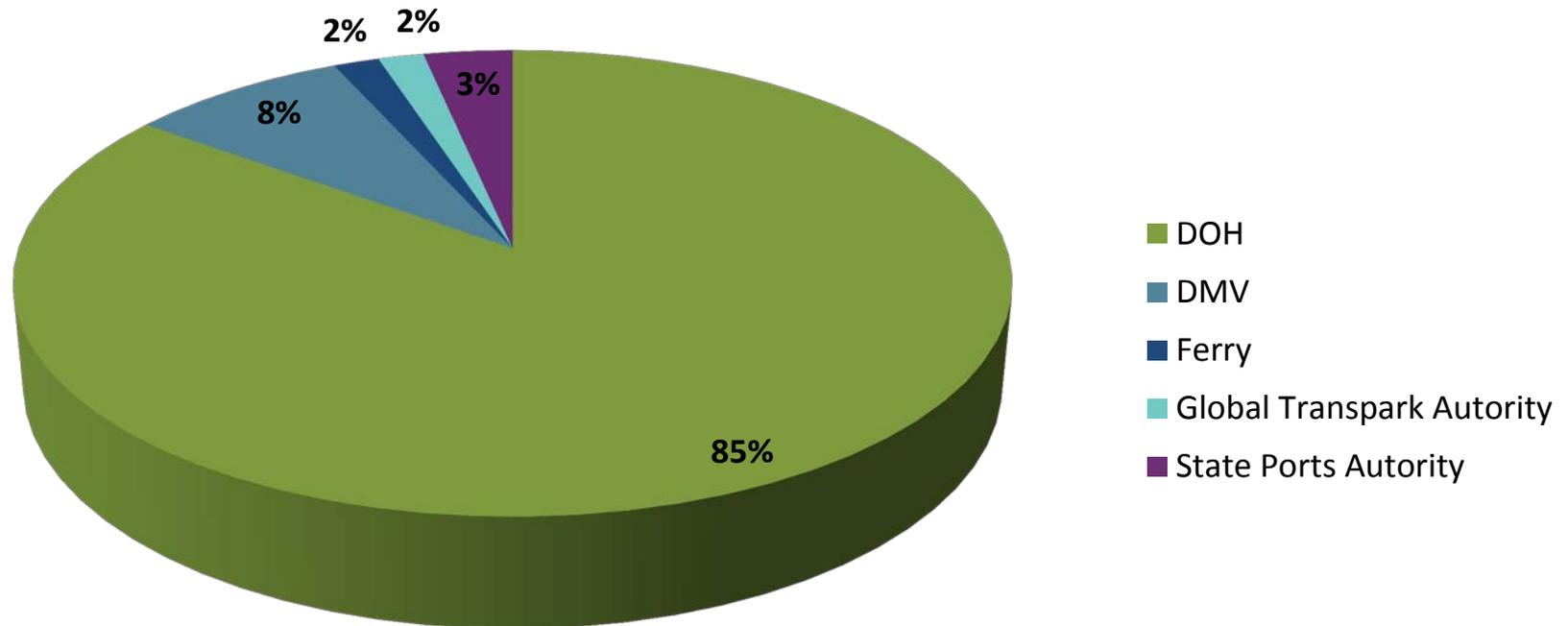
Facilities Design

Roles and Responsibilities

- Management of the Department's Physical Plant
 - Implementation and management of the Facility Condition Assessment Program (FCAP)
 - Real Estate Acquisition and Disposition
 - Monitoring of energy and water usage
 - Facilities Maintenance
- Administration of the Capital Improvement Program (CIP)
 - Preparation of the biennial and six-year budgets
 - Implementation of the CIP

Physical Plant Composition – by Division

Number of Buildings by Division

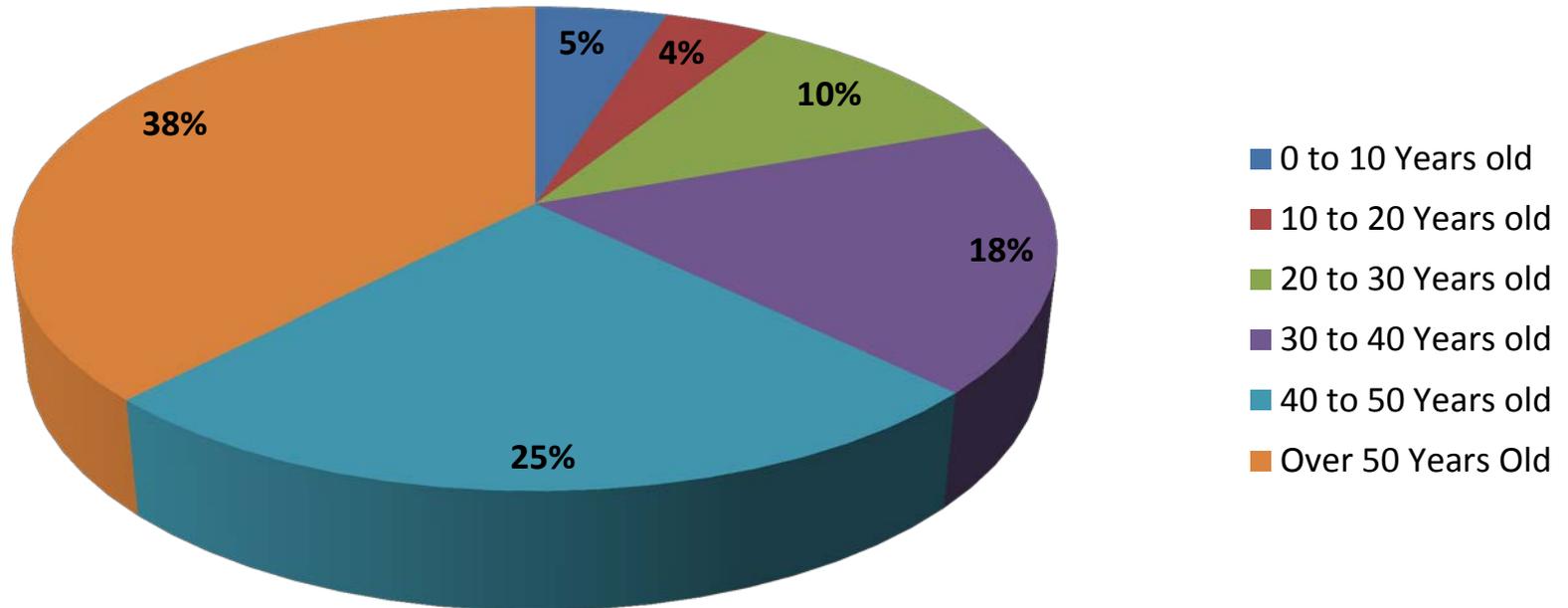


Total Physical Plant: 2,347 buildings (10,355,001 SF)



Physical Plant Composition – by Age

Approximate Age of DOT Buildings



63% of facilities are over 40 years old

- Some include deteriorated structures or outdated building systems
- Others have life safety issues or are non-compliant with Building Codes



Real Estate

- Management of all real estate issues
 - Acquisition and Disposition
 - Leasing
 - Asbestos, Mold, & Lead Paint Testing & Abatement



Energy Management

- Strategic Energy & Water Plan Reporting & Preparation
- Management of Performance Contracts
- Technical Assistance on energy-related matters
- Informal Project Management



Facilities Maintenance

- Maintenance of the eight downtown Raleigh facilities (Transportation Building Complex, Century Center Complex, DMV HQ and Annex, and Raney Building)
- Maintenance of 92 DMV/SHP buildings statewide



Facilities Design

- Design and construction administration of CIP
- Oversight of projects designed by CIP consultants

Facility Condition Assessment Program

- Created and implemented in 2012
- Developed as a result of suspended State Construction FCAP
- Required by General Assembly to justify Department's capital improvements plan
- Comprehensive assessment of the total building condition
- Completed on a three-year cycle
- Data are entered into an EXCEL spreadsheet that utilizes RS Means Construction Data to estimate repair and replacement costs and replacement frequency
- Relies on limited level of subjectivity
- Final score is FCI (Facility Condition Index) = Value of Deferred Repairs/Replacement Value
 - $\leq 10\%$ - Excellent
 - $> 10\%$ and $\leq 25\%$ - Good
 - $> 25\%$ and $\leq 50\%$ - Fair
 - $> 50\%$ - Poor



Capital Improvements Plan Development



Capital Projects Prioritization Criteria

- Facility Condition Index (FCI)
- Operational Needs
- Service Delivery Requirements
- Building Code Compliance and Life Safety Improvements
- Beneficial Use/Repurposing





Questions?





HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 03-02-2016 TIME: 10:30 AM – 12:00 PM LOCATION: 150

MEETING CALLED BY	Jake Alexander
BOARD ATTENDEES	Committee: Blount, Brown, Crawford, Debnam, Overholt

AGENDA TOPICS

1. APPROVAL OF FEBRUARY MINUTES	
DISCUSSION SUMMARY	
ACTIONS TAKEN	Minutes were approved as written with one typo correction. ("Approval of Month Minutes" corrected to "Approval of January Minutes".)

2. LITTER REMOVAL UPDATE – DON LEE, CPESC	
DISCUSSION SUMMARY	<p>The various litter removal methods were reviewed: Adopt a Highway (AAH) program, Sponsor a Highway program, inmate litter pickup, litter removal contracts and NCDOT forces. The AAH program has grown over the past years to where the Department is saving approximately \$4M. The IT interface with customers is being revised to provide a better customer service experience. Sponsor a Highway was launched in 2011 with a pilot area. It has since been expanded statewide with 61 (1 mile) segment agreements in place with 68 pending review and approval. The Department saves \$300 per segment per cleanup for an overall annual savings of approximately \$460k. To address the ever growing litter problem, litter removal contracts totaling \$828k were put in place in 2015 in Divisions 5, 7, 10 and 14 servicing 54,158 project miles. A new \$2.1M interstate contract was awarded March 1, 2016 servicing 1,279 roadway miles. (With 4 to 24 cycles, this equates to 14,374 project miles.) In the future, high priority primary and secondary routes will be added. NCDOT forces are used for routine and emergency litter pickup. Next it was reiterated that enforcement is a big part of addressing the litter issue. The Highway Patrol issues about 1,400 citations a year with about half of those going through process of conviction. Additionally, the Sherriff's Department issues about 300 citations a year and the police issue around 1,500 per year. The Fish and Wildlife Commission also issues citations. All the various enforcement officials total around 4,000 citations a year. Education also plays a key role in controlling the litter problem. NCDOT's "Swat a Litter Bug" program where citizens report other citizens, receives approximately 10,000 notifications each year. We also have educational material at welcome centers and the NC State Fair Booth and other public events. There are also other groups that have educational initiatives such as NC DEQ and Keep NC Beautiful. The goals for 2016 include increasing litter removal contracts, upgrading the AAH website and develop new litter prevention/educations initiatives. The responsibilities of the AAH program were reviewed and it was stated that the DOT relies on them for cleanup but will send out contractors for emergency situations. It was stated that the Department has been aggressive with litter and we're committed to keeping our highways clean. We recognize that education and private partnership both play a key role in addressing the issues and as such there will be a presentation focusing on this in April.</p>
ACTIONS TAKEN	



HIGHWAYS COMMITTEE MEETING MINUTES

3. SCHOOL TRANSPORTATION – KEVIN LACY, PE	
DISCUSSION SUMMARY	<p>Municipal and School Transportation Assistance (MSTA) is a program in NCDOT's Mobility and Safety group that provides assistance to our Division offices as well as municipalities, schools and developers with the purpose of providing NC with safe roads to school through congestion mitigation. In 2015, the state had 1.6M students in 3,300 schools with less than half of those on school busses. While some do walk or ride a bike to school, there is on average 1.6 students in a vehicle being dropped off. Approximately 500,000 cars are going to schools in the morning and afternoons. All of this totals to about 3.2M students in and along roadways each day as they are being driven, walking or biking to and from school. Congestion around schools can develop into dangerous conditions as vehicles stop on the side of the road to let students out as well as kids walking to school through active traffic. These are conditions we'd prefer not to happen; especially around schools. Another concern is kids not following traffic rules (i.e. walking through traffic, not using crosswalks, etc.). Traffic patterns and school activities require a collaborative safety approach and it is NCDOT's legislative responsibility to work with schools on driveways, siting issues, traffic operations, and safety impacts. MSTA has developed a school traffic calculator to show how a school will operate based on input data. The program, which is the only one of its kind in the country, contains over 20 years of school data that is continuously updated. It helps determine safe and effective traffic solutions by applying basic traffic engineer practices and principals. Some of these options include separate entering and exit driveways with a one-way traffic pattern, separate parent, student and bus entrances, pedestrian treatments, and improvements to nearby intersections. Some of these solutions do not require major construction as they are mainly just organizing the traffic and can be applied to existing schools at minimal cost. New school designs allow for innovative ideas for student loading designs such as loading 5 vehicles at one time vs. 20 cutting down to a better managed 110 ft. platoon vs. a 440 ft. one. It was reiterated that NCDOT will continue to work together with our partners to provide safe roads to safe schools.</p>
ACTIONS TAKEN	



HIGHWAYS COMMITTEE MEETING MINUTES

4. US 70/GALLANT'S CHANNEL BRIDGE REPLACEMENT – JOHN ROUSE, PE	
DISCUSSION SUMMARY	<p>The Gallant's Channel Bridge is located just on US 70 in Carteret County, just east of the Port of Morehead City. The proposed improvements (STIP project R-3307) include widening US 70 and replacing the existing drawbridge in order to increase the traffic carrying capacity of US 70 and eliminate boating and vehicular traffic due to the drawbridge openings. The original bridge was built in 1920 and replaced by the current bridge in 1950 and that bridge is now due for replacement. Several things had to be taken into consideration when conducting the environmental study for this project including downtown Beaufort historic district, marinas, NC Maritime Museum, Beaufort-Morehead City Airport, Harbor of Refuge, wetlands/streams and the elementary school. Several alternatives were studied including no build, high rise, tunnel, a new drawbridge and maintaining the existing drawbridge. Once the study was concluded and the Least Environmentally Deprecating Practicable Alternative (LEDPA) chosen in 2005, the Finding of no Signification Impact (FONSI) was approved in 2006. The recommendation chosen was to replace the existing drawbridge on new location with a fixed span bridge providing a 65-ft vertical clearance for boating traffic. In coordination with the US Coast Guard, the Department performed a marine assessment to determine what percent of boat traffic is taller than 65 ft. as there were some concerns that this vertical clearance would not be sufficient. Due to the nearby airport, however, the airspace was a limiting factor and thus the bridge needed to remain at 65 ft. or under. Another limiting factor was the overhead power lines with a safe clearance of 77 ft. The vessel survey, which lasted 8 months, found that the vast majority of vessels (99%) were under 65 ft. tall and thus not affected by the proposed bridge clearance. Therefore, it was decided to keep the clearance at 65 ft. The \$66M project broke ground in April 2014 and has a contract completion date of 2019. However, the contractor expects to be completed by the end of this year; approximately 2 years ahead of schedule. The contract also includes the removal of the old bridge, which will probably be completed in 2019. (The project is currently about 42% complete.) When completed, the Gallants Channel Bridge will be 3,400 ft. long with 30" piles and 54" and 78" girders. There will be a historical photo survey conducted on the existing drawbridge and its parts will be used as replacement parts for other drawbridges still in operation across the state. The contractor is currently looking for a home for the historic bascule bridge as well.</p>
ACTIONS TAKEN	



Transportation

HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION APRIL 6, 2016

TIME: 10:30 AM – 12:00 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
Northern Long Eared Bat	Phil Harris, PE	20 min
PTI Project Update	Mike Mills, PE	20 min
Keep Gastonia Beautiful	Director Pat Johnson	20 min
Other Discussion	Jake Alexander	30 min



Board of Transportation Highways Committee

April 2016

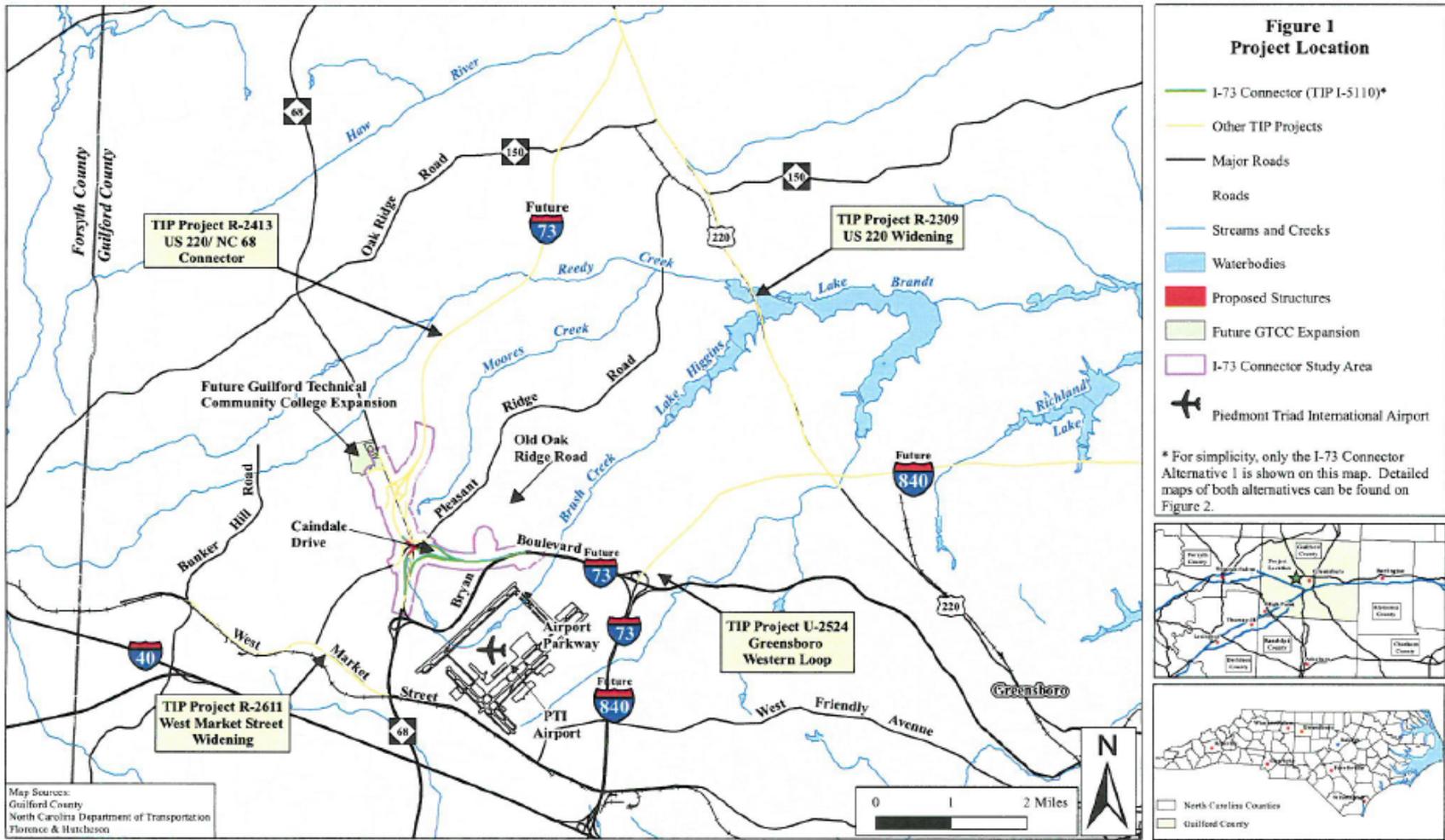
*Future I-73 Design Build Project
Near PTI Airport in Guilford County*

J. M. Mills, PE

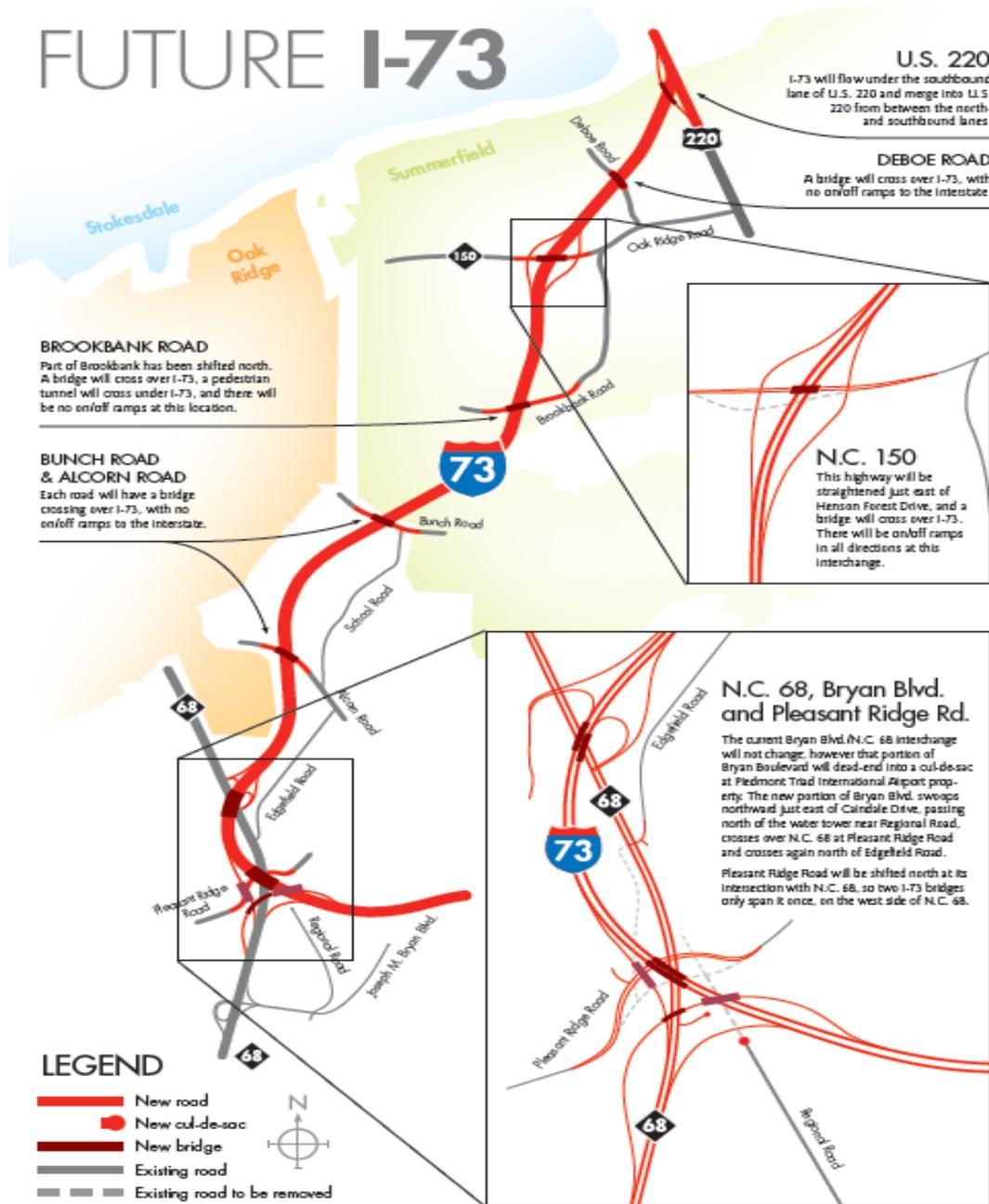
Division Engineer



Project Vicinity



FUTURE I-73



Project Information

- Contractor: Flatiron/Blythe Joint Venture
- Cost of Project: \$176,550,000
- Length of Project: 9.4 Miles
- Completion of Project: October 2017
- 14 Bridge and 6 Culverts
- Project includes a 4 Span Taxiway Bridge over I-73 for future development by PTI

Open to Traffic:

- NC 68 to US 220
 - December 16, 2016
- Bryan Boulevard to NC 68
 - April 9, 2017



Project Status as of February 2016

- Project began in June 2014
- Project is currently 55% complete
- Taxiway substructure complete.
- Girders are scheduled to begin installation in April 2016
- ~1.25 Miles of the mainline is stabilized and paved up to the final inch from NC 68 to Alcorn Road.
- 90% of large pipe under mainline installed and 5 of 6 box culverts have been completed.
- Continue fine grading, CTBC, subgrade stabilization and paving of mainline and –Y- lines.



Construction on Future I-73 between NC 68 and Alcorn Road



Pipe installation on mainline



Bridge on Alcorn Road over Future I-73



Future I-73 over relocated Pleasant Ridge Road



Future I-73 over NC 68 looking north



Visualization of Taxiway Bridge



Taxiway Details

- Bridge length 400'
- Bridge width 437'
- 165 Girders
- Girder depth 77" Modified bulb tee
- Girder weight by span
 - Span A – 52,000 lbs
 - Span B - 96,000 lbs
 - Span C – 97,000 lbs
 - Span D – 62,000 lbs
- Micro pile construction
 - 741 piles
 - Total Length of Micropile 39,484 LF



Taxiway Bridge Micropile Construction



Aerial View of PTI and Taxiway Bridge



www.americanaerialphotos.com

I-73 PROJECT
2-18-16



Current Employment on PTI Property





www.americanaerialphotos.com

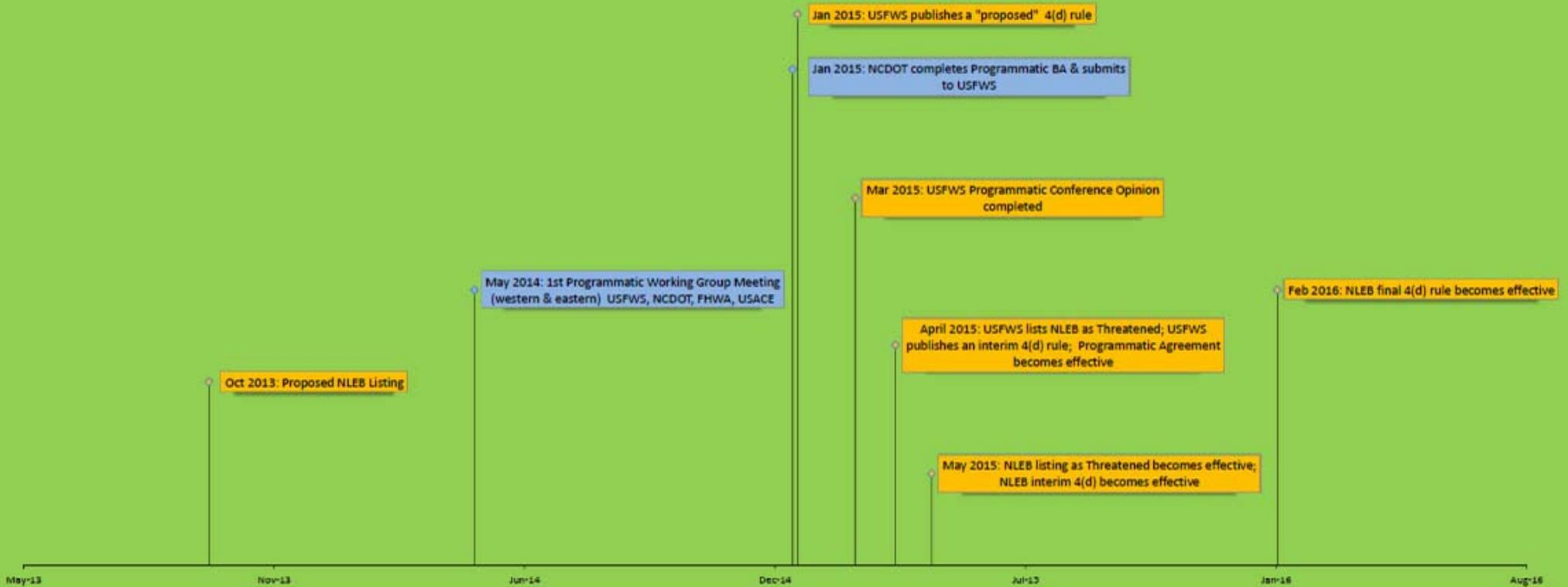
I-73 PROJECT
10-15-15



Questions?



Northern Long-eared Bat Timeline of Listing





Board of Transportation Highways Committee

April 2016

Northern Long-eared Bat Update

Phil Harris, P.E.

Natural Environment Section Head



Northern Long-eared Bat (NLEB)



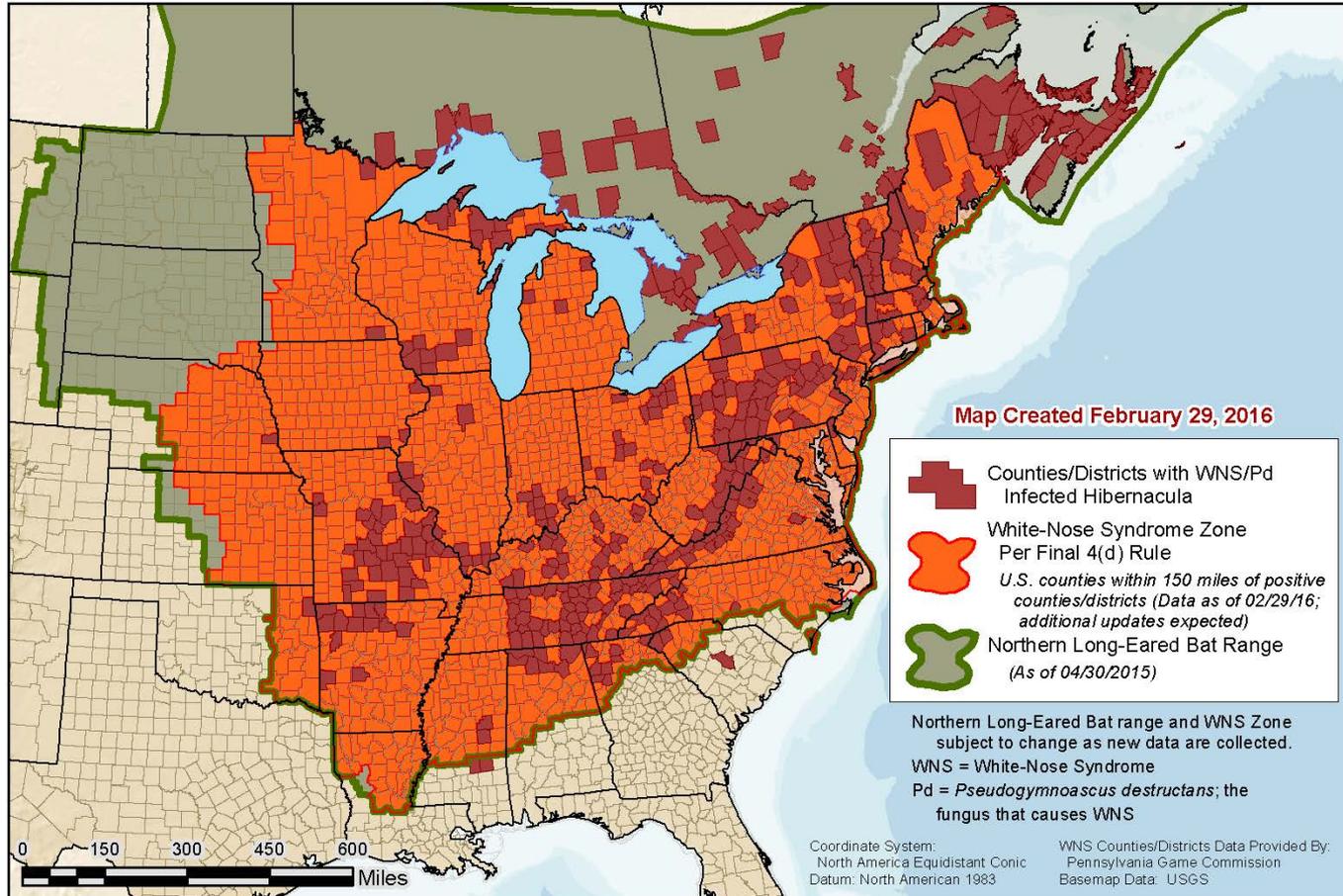
Northern Long-eared Bat Range



U.S. Fish & Wildlife Service

Northern Long-Eared Bat Final 4(d) Rule

White-Nose Syndrome Zone Around WNS/Pd Positive Counties/Districts

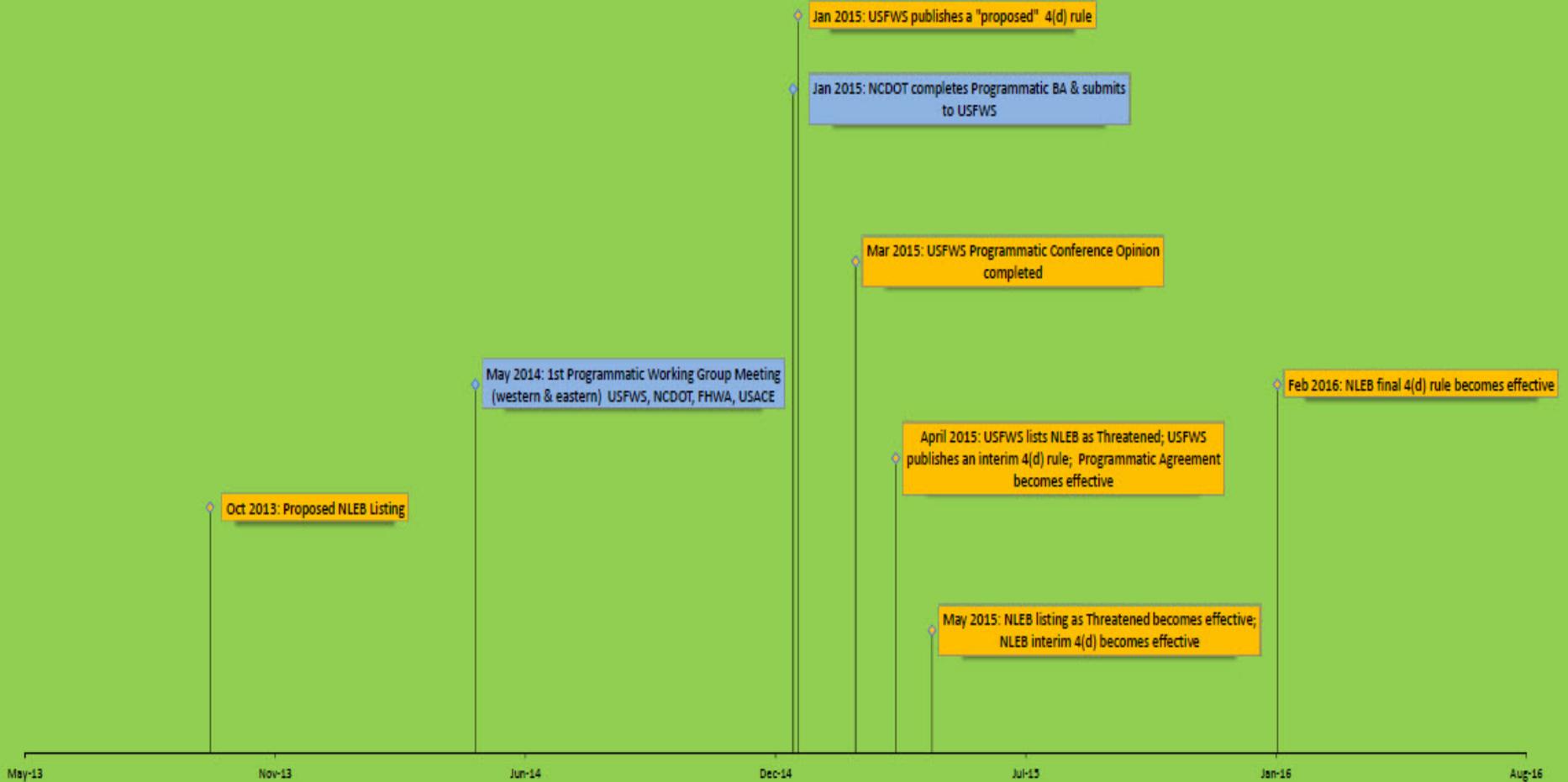


White Nose Syndrome Threatens NLEB



- Affects cave dwelling bat species
- White fungus attacks the skin of the muzzle, ears, and wings – awakes bats from hibernation during winter
- Bats forage for food in the cold instead of sleeping, become malnourished, and die
- Reports of up to 99% mortality for NLEB

Northern Long-eared Bat Timeline of Listing



Potential impact of Northern Long-eared Bat listing to NCDOT



- Proposed for listing in Federal Register on October 2, 2013
- There was concern that impact to project delivery would be great
- All work activities that could impact NLEB not completed by the time of listing would be subject to the Endangered Species Act (ESA) and Section 7 Consultation – NO GRANDFATHERING!
- Activities originally identified that could impact NLEB:
 - Tree clearing
 - Structure and bridge demolition/removal
 - Maintenance activities

Natural Environment Section (NES) prepares for listing of Northern Long-eared Bat

- Goals and efforts were focused on NO PROJECT DELAYS due to NLEB listing
- Natural Environment Section submitted comments on the proposed listing on behalf of the Department
- Coordinated with NCDOT Division Offices and Central Units on the possible ramification to current and future projects
- Contracted private consultant firms with bat expertise – “race” with other state DOT’s to acquire consultants first
- Explored Programmatic Agreement possibility with USFWS – agreement may provide assurances of transportation project schedules regardless of final ruling



NCDOT pursues Programmatic Agreements

- Because of the potential risk to project delivery, NCDOT partnered with the FHWA and the USACE to develop Programmatic Agreements with the USFWS
- 2 USFWS Field Offices in North Carolina (Raleigh and Asheville) and they often operate autonomously
- Raleigh covers Divisions 1-8; Asheville covers Divisions 9-14; Both Field Offices report to headquarters in Atlanta
- Lengthy team meetings with both offices
- **Raleigh meetings were a success**

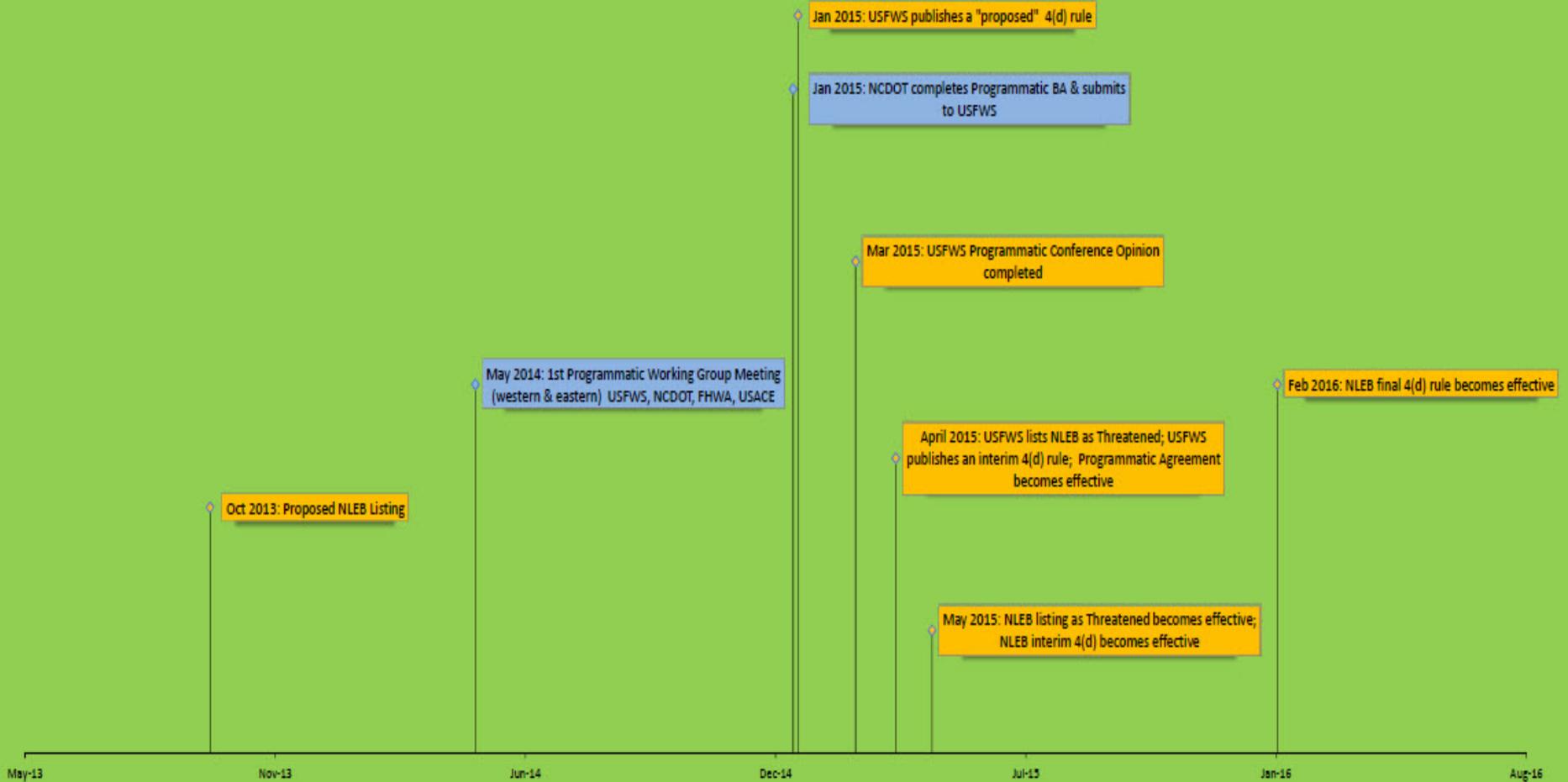


NCDOT/ Raleigh USFWS Field Office Reach Programmatic Agreement

- NCDOT committed to providing a set amount of effort towards programmatic field work to determine distribution and behavior
- Agreement decoupled field work from individual transportation projects
- Assures NCDOT experiences no project delays in Divisions 1-8 due to NLEB
- Programmatic Agreement is a 5 year agreement; 4 years remain



Northern Long-eared Bat Timeline of Listing



NLEB Interim 4(d) Rule goes in to effect

- May 4, 2015 – Interim 4(d) Rule goes in to effect
- Under the **interim** 4(d) rule, Divisions 9-14 had to provide a series of data which included:
 - Tree clearing acreage estimates
 - Bridge inspections and/or mist netting reports
 - Tree clearing moratorium (inconsistent dates)
- Each project in Divisions 9-14 required case-by-case coordination with the USFWS in Asheville
- NES staff and private consultant firms were able to focus efforts on Divisions 9-14 because Divisions 1-8 were covered under the Programmatic Agreement



Final 4(d) Rule Announced

- February 16, 2016 – Final 4(d) Rule in effect
- No structure, bridge or culvert surveys required
- No tree clearing estimates required
- Project-by-project documentation still required to show that projects are within the threshold of the 4(d) rule
- June 1-July 31 tree removal moratorium within 150 feet of a known roost tree
- No tree removal within a ¼ mile of a known hibernacula



Plans moving forward

- All NCDOT transportation projects in Divisions 1-8 continue to operate under the NLEB Programmatic Agreement
- All NCDOT transportation projects in Divisions 9-14 operate under final 4(d) rule
- NCDOT in discussions with the USACE on their “memorialization” of the final 4(d) rule in to their permit process
- NES continues to move projects forward and coordinate with NCDOT Central Units and 14 Division Offices to offer expertise/assistance



Questions?





Transportation

MULTIMODAL COMMITTEE MEETING MINUTES

DATE: 3/2/2016 TIME: 10:30am LOCATION: EIC

MEETING CALLED BY	Andy Perkins
BOARD ATTENDEES	Andy Perkins, Malcolm Fearing, John Lennon, Gus Tulloss, Lou Wetmore, Ed Curran

AGENDA TOPICS

1. FEBRUARY MINUTES APPROVAL – Andy Perkins	
DISCUSSION SUMMARY	Approval of February Minutes.
ACTIONS TAKEN	Motion to approve was made by Andy Perkins and seconded by Lou Wetmore. Motion was approved.

2. BIKE & PEDESTRIAN UPDATE & PRESENTATION ON 2016 BIKE & PEDESTRIAN PROGRAM – LAUREN BLACKBURN	
DISCUSSION SUMMARY	Ms. Blackburn presented an update on the Bike & Pedestrian Division. She presented an annual summary of the 2016 Bike & Pedestrian Planning Program including funding requests for grants and the communities chosen to be a part of the 2016 program. Lauren also explained the criteria and process used to make selections and recommends an award for the Isothermal Planning region in the western part of the state.
ACTIONS TAKEN	Informational

3. FERRY UPDATE & PRESENTATION ON FACILITY CONSTRUCTION PROJECTS – ED GOODWIN	
DISCUSSION SUMMARY	Mr. Goodwin presented a monthly update for the Ferry Division. He also showed a presentation on the status of current construction projects across the Ferry Division along with the site plans, building designs and budgets for each project. These improvements will enhance customer service and provide adequate dormitory quarters. The new Operations and Administrative Offices in Cherry Branch will eliminate the need to lease non-DOT buildings.
ACTIONS TAKEN	Informational



MULTIMODAL COMMITTEE MEETING MINUTES

4. PUBLIC TRANSPORTATION DIVISION – DEBBIE COLLINS	
DISCUSSION SUMMARY	Ms. Collins presented the monthly report and praised the success of their meeting with Chinese Ministry of Transport Delegation.
ACTIONS TAKEN	Informational

5. FUNDING ITEMS – I-1, I-1A, I-1B, I-2 AND I-3	
DISCUSSION SUMMARY	Funding Items for Public Transportation, Rail and Bike and Pedestrian were approved.
ACTIONS TAKEN	Motion to approve was made by Gus Tulloss and seconded by Lou Wetmore.

6. RAIL DIVISION - PAUL WORLEY	
DISCUSSION SUMMARY	Mr. Worley presented the monthly Rail Report and Performance Snapshot. Paul informed the committee that recent inclement weather did not annul NC trains and that the Piedmont Improvement Program is progressing on schedule. Passenger train service is being rebranded as NC By Train and there is a new “Go Reconnect” campaign being launched on several media platforms.
ACTIONS TAKEN	Informational

7. AVIATION DIVISION – TED DEVENS	
DISCUSSION SUMMARY	Mr. Devens presented an update on the Aviation grant program status, upcoming conference in Wilmington, meetings with FAA and new projects for the Division. Handouts were given on current and upcoming activities including North Carolina AirTAP (Technical Assistance Program).
ACTIONS TAKEN	Informational



MULTIMODAL COMMITTEE MEETING MINUTES

8. TRANSIT UPDATE – KEITH WEATHERLY	
DISCUSSION SUMMARY	Mr. Weatherly thanked the committee for their flexibility and patience during the recent staffing transition in the Secretary's Office and introduced the new Administrative Assistant responsible for Multimodal Committee, Kathy Richardson.
ACTIONS TAKEN	Informational



MULTIMODAL COMMITTEE AGENDA

BOARD OF TRANSPORTATION APRIL 6, 2016

TIME: 10:30am

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order	Andy Perkins	10:30
Approval of Minutes	Andy Perkins	10:30-10:35
Funding Items (PTD, Rail)	Transit Directors	10:35-10:40
Transit Update	Keith Weatherly	10:40-10:45
Ferry Update	Ed Goodwin	10:45-10:50
Public Transportation Update	Debbie Collins	10:50-10:55
Aviation Update	Bobby Walston	10:55-11:00
Rail Update	Paul Worley	11:00-11:05
Bike & Pedestrian Update	Lauren Blackburn	11:05-11:10
Introduction of Garland Horton	Paul Worley	11:10-11:15
Railway Association of NC Special Report "Building North Carolina"	Garland Horton	11:15-12:00

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



April 2016

PROGRAMS AND INITIATIVES

Ed Goodwin—Director

Period Comparison

Expenditures

February 2015 \$ 2,738,873

February 2016 \$ 2,968,332

Capital Reserves and Shipyard Revenue are not included in Period Comparison.

Capital Reserve Credits

February 2016 \$ 67,710

Vessel Replacement \$ 5,792,153*

*Through FY16 Period 8

Implemented FY14

Expenditures to date \$ 0

Shipyard Revenue

February 2016 \$ 5,215

Yard Improvements \$ 1,637,427*

*Through FY16 Period 8

Account implemented SEP '15

Expenditures to date \$ 7,848

DISTRICT 1, DISTRICT 2 & DISTRICT 3 PERFORMANCE SNAPSHOT						
NCDOT FERRY DIVISION FEB 2016						
Ridership: Vehicles						
	FEB 2016	FEB 15	Δ	FY16 FYTD	FY15 FYTD	Δ
DISTRICT 1	6,473	5,033	29%	170,134	172,783	-2%
DISTRICT 2	26,561	21,644	23%	280,128	287,381	-3%
DISTRICT 3	2,216	1,729	28%	37,020	50,645	-37%
TOTAL	35,250	28,406	24%	487,282	510,809	-5%

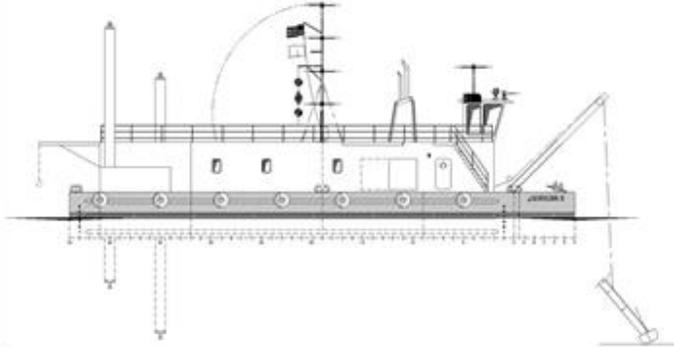
District 1: Hatteras Inlet and Currituck – Knotts Island

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
FEBRUARY 2016	4,500	405	91.0%
Calendar Year to Date	42,008	2,230	94.7%



Dredge Construction

The dredge MANTEO is nearing completion. It is in the water at the shipyard. We anticipate it being complete and ready to put in service by May.

DIVISION ACTIVITIES AND IN-HOUSE PROJECTS

1. **Currituck OPS building project is 70% complete. Contract price is \$1,698,600. Funding source is TIP (Federal Ferry Boat Discretionary Funds)**
2. **Swan Quarter OPS building project is 55% complete. Contract price is \$2,770,745. Funding source is (TIP State Funds)**
3. **Cherry Branch OPS building project is 10% complete. Contract price \$1,900,000. Funding source is (TIP State Funds)**
4. **Passenger Ferry Feasibility Study is complete. We are anticipating presenting to the Board in May.**



Public Transportation Division

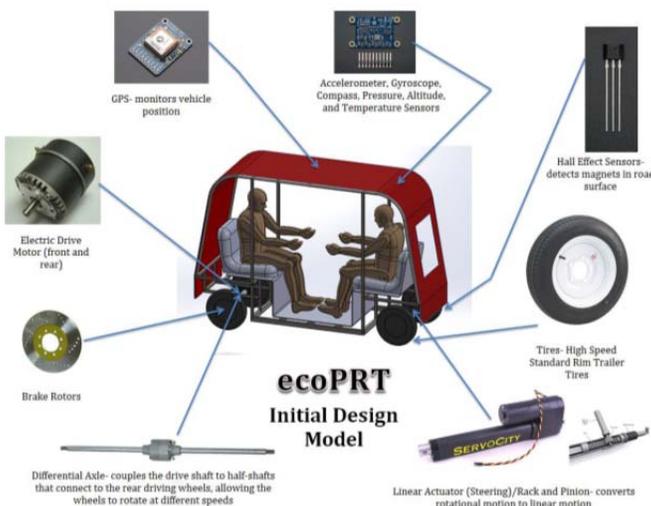


Two PTD Projects Selected For Research Program

On Feb. 29, NCDOT's Research and Development Unit announced their selection of projects for Fiscal Year 2017. The two projects submitted by PTD were selected.

1. The entrepreneurial program at N.C. State University's School of Engineering has been working on a design for a Personal Rapid Transit (ecoPRT). The project will deliver a working demonstration system on campus, a report outlining results and methodology, and a TREDIS analysis of the impacts.
2. The research will test whether our current in-vehicle camera systems can be used to verify passenger trip counts. Automatic passenger counting systems require a lot of data and analysis for accurate reporting. PTD needs a system for rural transit operations that will verify passenger counts on the deviated fixed-routes that operate in many communities, without dedicated staff. It will use a technology similar to one used to count vehicles by vehicle type.

We are excited about the opportunities both of these bring – maybe the next best idea!





PTD Activities Underway

March Training:

- Drug and Alcohol Manager
- Drug and Alcohol Manager Reasonable Suspicion
- Lean Six Sigma – yellow belt
- Transportation Leadership Development
- Excel

Meetings Attended:

- Presentations: DOH staff meeting, NCSITE lunch and learn, Graduate CE Policy Course
- Transit Advisory Board meetings
- DHHS Transportation Initiative Rural Health providers meeting
- TRB Conference Committee
- DOLR Steering Committee
- Goldsboro Main Street Award
- Policy Committee of Chapel Hill North South Transit Study

Upcoming:

- FTA State Programs meeting for Region IV

Calendar of activities underway:

- State Management Plan (SMP) is in final review. PTD hired a part-time temporary staff member to create internal and external procedures to support the SMP.
- Staff is working on sub-recipient success plans for FY 17.
- Scheduling work on scopes for: Transit Operations Planning course; 2CFR200 training; Johnston County Feasibility study; plans for McDowell County, Cumberland County, Yadkin Valley, and InterCounty Regional Public Transportation Authority.
- Funding Study alternatives/implementation planning – rolling out the strategies.
- Initiated first three plans to be conducted by staff in our new tiered planning process.

PTD Success Plan – Final Phases

PERFORMANCE SCORECARD

PTD		2016-2017
PERFORMANCE SCORECARD		Weighting
Thriving Agencies		
<ul style="list-style-type: none"> • Average agency scorecard score • Average agency Net Promoter Score • % of agencies with increased ridership 		30
Financial Management		
<ul style="list-style-type: none"> • % of grant funds spent (12-month average) • % of sub-recipient active accounts • % of agency claims accurate and valid on first submission • % of program claims paid within 5 working days • % of fiscal claims paid within 3 working days 		30
Performance Driven		
<ul style="list-style-type: none"> • % of agencies completing quarterly Success Plan scorecards • % of MDS/agency scorecard review coaching calls completed • % of agency success moments achieved • % of agency success plans completed • % agencies with capital plans • % of agencies with vehicle replacement plans 		25
Employee Success		
<ul style="list-style-type: none"> • Employee engagement • % of employee performance goals achieved • Employee satisfaction 		15
28		TOTAL 100



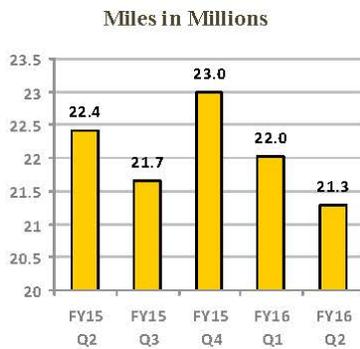
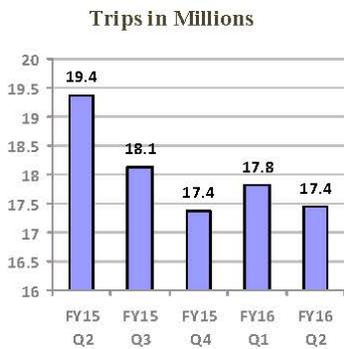
State-Wide Public Transportation Summary

FY 2016 Quarter 2 NCDOT Public Transportation Division

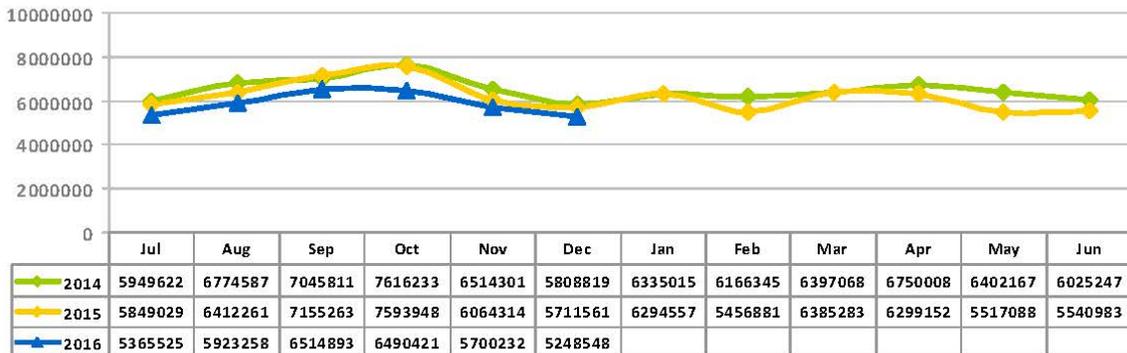
Public Transportation Operating and Financial Statistics Report

Highlights

Total Trips 17,439,201
Total Miles 21,291,196
Total Hours 1,704,115



Total Trips By Year



PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT

NCDOT RAIL DIVISION for the Month of JANUARY 2016

Ridership

	FFY16 JAN	FFY15 JAN	Δ	FFY16 YTD	FFY15 YTD	Δ
Carolinian	17,526	19,996	-12%	93,563	100,134	-7%
Piedmont	11,595	12,243	-5%	54,837	59,565	-8%
Total	29,121	32,239	-10%	148,400	159,699	-7%

Number of Trains

Average Number of Passengers per Train

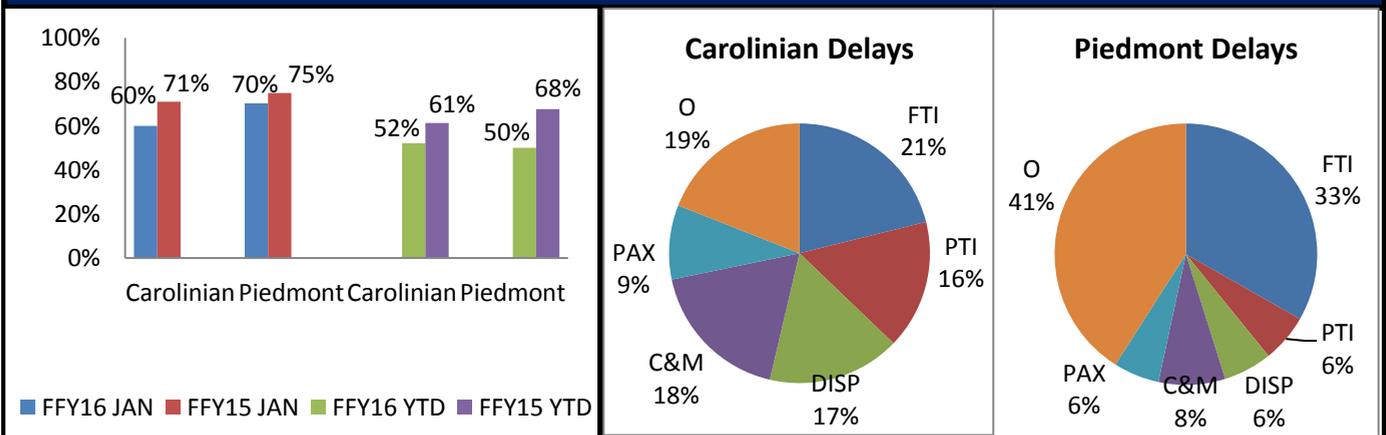
FFY16 JAN	FFY15 JAN	Service	FFY16 JAN	FFY15 JAN	Δ
60	62	Carolinian	292	323	-9%
118	122	Piedmont	98	100	-2%

Revenue

	FFY16 JAN	FFY15 JAN	Δ	FFY16 YTD	FFY15 YTD	Δ
Carolinian	\$1,105,581	\$1,250,942	-12%	\$5,853,307	\$6,317,640	-7%
Piedmont	\$261,641	\$251,268	4%	\$1,183,027	\$1,239,415	-5%
Total	\$1,367,222	\$1,502,210	-9%	\$7,036,334	\$7,557,055	-7%
Amenities	Mo. Surcharge	\$15,233	Mo. Expense	\$1,145	Mo. Surplus	\$14,088

January 2016 service modifications and annulments impacted six Piedmont trains and eight Carolinian train. On Jan. 14, Train 73 terminated in Durham and Train 74 was cancelled due to NS freight train breakdown on single track just west of Durham. Trains 73 and 80 were cancelled on Jan. 23 and 24 due to winter weather; Train 79 operated from Raleigh to Charlotte only from Jan. 23 through 26; and Train 80 operated Charlotte to Raleigh only on Jan. 25 and 26. On Jan. 25, Trains 74 and 75 were annulled for PIP project work at Abbott's Creek bridge. Additional disruptions for PIP project work will continue to occur as necessary. Average gasoline prices were \$2.01/gallon in Jan. 2016 vs. \$2.24/gallon in January 2015 (EIA Weekly Retail Gasoline for Lower Atlantic region).

On-time Performance



*Carolinian and Piedmont delays were 6,273 and 4,099 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

	FFY16 DEC	FFY15 YEAR-END	Δ
Carolinian	68%	75%	-7%
Piedmont	88%	90%	-2%

*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 2015 were 79% for the Carolinian and 90% for the Piedmont; and for FFY 2016 are 77% for the Carolinian and 91% for the Piedmont. Overall December eCSI for all Amtrak services was 81%.

North Carolina City Pairs with Largest Ridership

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

*Of the ten city pairs with the highest ridership, from the previous FFY month Charlotte - Washington had the largest increase of 12% and Greensboro - Washington the largest decrease of 27% for the Carolinian; Burlington - Charlotte and Charlotte - Raleigh both had the largest increase of 14% and Cary - Durham the largest decrease of 38% for the Piedmont.

Carolinian and Piedmont Total Ons-Offs at North Carolina Stations

	FFY16 JAN	FFY15 JAN	Δ
Charlotte	11,688	11,829	-1%
Raleigh	7,717	8,179	-6%
Greensboro	6,479	7,651	-15%
Durham	5,243	6,097	-14%
Cary	4,293	4,699	-9%
High Point	1,922	2,259	-15%
Wilson	1,606	1,877	-14%
Burlington	1,415	1,695	-17%
Salisbury	1,232	1,479	-17%
Kannapolis	1,078	1,339	-19%
Rocky Mount	930	1,086	-14%
Selma-Smithfield	416	529	-21%

*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

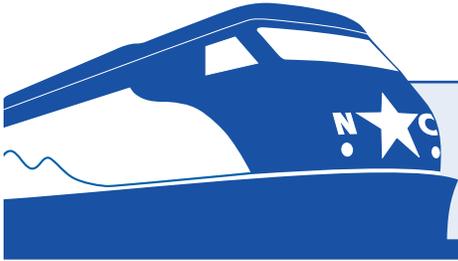
	FFY16 JAN	FFY16 YTD
Train Host Volunteer Hours	781	4,317

Go. Reconnect.





@NC_By_Train
ncbytrain.org



NCDOT Rail Division

The Rail Report



April 2016

Intertape Polymer Group to Build New Facility Along ACWR Railroad in Cabarrus County

The Cabarrus Economic Development Corporation announced on Feb. 24, 2016 that Project Burgundy, Intertape Polymer Corp., a subsidiary of Intertape Polymer Group Inc. (IPG), will create a production facility in Cabarrus County in a move that will create 49 jobs. The global leader in packaging materials will invest \$40 million at a site near the town of Midland.

IPG has headquarters in both Montreal, Quebec, and Sarasota, Florida. They have approximately 2,000 employees with operations in 17 locations, including 12 manufacturing facilities in North America and one in Europe.



"We are excited to make this strategic investment in additional capacity to enable us to meet the growing demand for water-activated tape. This project is in line with our strategy to leverage world class assets with a minimal environmental footprint to produce high-quality products in growing areas of our product portfolio. The new manufacturing facility should allow us to enhance our position in the market and better serve our customers," said Gregory Yull, president and chief executive officer of IPG.

"Being able to support IPG on Project Burgundy as part of NCDOT's Freight Rail and Rail Crossing Safety Improvement (FRRCSI) Program will bring both jobs and investment to Cabarrus County," said Nicholas Tennyson, NCDOT Secretary. "FRRCSI, supported by dividends paid to the state by the North Carolina Railroad Company, continues to be a program that supports economic growth in our state's local communities."

The arrival of IPG in North Carolina was made possible in part by Cabarrus County, Cabarrus Economic Development Corporation, Economic Development Partnership of North Carolina, the North Carolina Department of Transportation, the North Carolina General Assembly, the North Carolina Community College System, Aberdeen Carolina & Western Railway and Duke Energy.



As a part of the Freight Rail & Rail Crossing Safety Improvement Program (FRRCSI), NCDOT Rail Division will contribute \$200,000 towards the construction of a spur track that will connect the new facility to the existing Aberdeen Carolina & Western Railway (ACWR) rail line. In addition, NCDOT Division of Highways will contribute an additional \$122,500 to the construction of the spur track and \$800,000 towards the paving improvements of McGee Road from Wallace Road (SR 1119) to the ACWR tracks, and construction of a new road to the property line of the site, approximately 1,150 feet beyond the rail crossing. The Division of Highway funds will come from the department's STI Economic Development Program funds.



Travel Conference held in Cherokee

The NCDOT Rail Division Customer Service Unit employees attended the 2016 Visit North Carolina 365 Conference, held March 13-15, at Harrah's Cherokee Casino Resort in Cherokee, N.C.

The annual Visit North Carolina 365 Conference is the state's premier travel industry event. Bringing together more than 500 of the state's tourism industry leaders, the conference provides opportunities to catch up on the latest trends and issues facing the travel industry, hear insights from industry experts and network with other travel and tourism professionals.



Wit Tuttell, Executive Director of Visit North Carolina and Mark Shore, Director, Tourism Marketing address conference attendees.

NCDOT Grant Awarded to Help Address Trespassing Issues on Piedmont Corridor

BeRailSafe was recently notified that its application for a FY 2016-17 university research grant to establish a baseline for acts of trespassing along the Piedmont Passenger Rail Corridor between Charlotte and Raleigh has been approved for funding.

The selected contractor – NCSU Institute for Transportation Research and Education (“ITRE”) – will film the forward and rear views for each trip of Piedmont trains 73, 74, 75 and 76 for one full month

in each of the four seasons; review the video files to observe human movements across and in close proximity to the tracks, noting time, location, and activity type; summarize and average data by time of day and location; and compare by season.

This nationally significant research project will provide BeRailSafe with a better understanding of rail property trespassing on the Piedmont corridor. The study will assess trespassers’ reactions and behaviors, identify trespassing hot spots and estimate current and future trespassing instances.



Adam Schultz Photo



CLNA/CSX A Line Double Diamond

Utilizing matching funds from the 2014 FRRCSI fund, Carolina Coastal Railway (CLNA) recently completed installation of a double one-way low speed (OWLS) diamond at its intersection with the CSX A-Line in Wilson. The previous standard double diamond design resulted in frequent slow orders of 25 mph to CSX A-Line rail traffic at the intersection and presented a significant maintenance burden to CLNA. The design of the new OWLS diamond allows freight and Amtrak traffic on the busy CSX A-line to proceed through the crossing at up to 60 mph, improving the efficiency of the corridor. The new OWLS diamond also has no gap for the wheel flanges of trains on the busier A-line to jump, reducing noise and vibration at the intersection. The new OWLS diamond reduces maintenance costs to CLNA by about \$50,000 per year.



FRA Launches Website for States and Municipalities to Request Bridge Inspection Reports



The Federal Railroad Administration has launched a new tool on its website that allows states and municipalities to request inspection reports for rail bridges in their communities. The tool is being launched following the passage of the Fixing America’s Surface Transportation

(FAST) Act and is one of the first provisions FRA has implemented. FRA has requested additional resources to double its bridge specialist staff and create a national bridge inventory database and website. A state or a political subdivision of a state, such as a city, county, town or municipality, can now use FRA’s website to request information from inspection reports for local bridges via <https://www.fra.dot.gov/Page/P0922>.

Once FRA receives the request, the railroad that owns the bridge will have 30 days to respond. FRA will provide a copy of the report to the requester within 45 days of the original request.

The FAST Act requires the following information about the bridge be included in the report: the date of the last inspection; length of bridge; location of bridge; type of bridge (superstructure); type of structure (substructure); features crossed by the bridge; railroad contact information; and a general statement on the condition of the bridge.

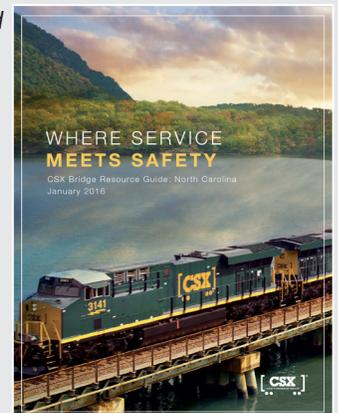
“The Federal Railroad Administration has repeatedly urged railroads to be more responsive and more transparent with state and local leaders concerned about the condition of their local railroad bridges. State and

local officials will now be able to get more information from railroads on the infrastructure in their communities,” FRA Administrator Sarah E. Feinberg said. “Providing inspection reports to local leaders is a great first step, but more can—and must—be done. We hope Congress will provide the resources to double our bridge safety staff and create a national database.”

CSX Bridge Resource Guide Now Available

CSX has recently completed a bridge resource guide that provides detailed information about CSX’s commitment to safety, and outlines how they inspect and maintain their bridges to ensure they are safe for rail traffic. The guide lists every CSX bridge in NC, with detailed information about each structure, including date of last inspection and whether the bridge has been certified suitable for railroad operations. More information about CSX’s bridge management system, inspection techniques, inspector training, etc. may be found at: <https://www.csx.com/index.cfm/about-us/safety/bridges/>.

“CSX has provide a useful resource to community and state partners,” said Rail Director Paul Worley. “We applaud CSX on being proactive with this important issue.”



Annual Train Host Meeting held in Kannapolis

Over 75 Train Hosts attended the annual 2016 NC Train Host Association meeting that was held on March 5, 2016, at the Kannapolis Train Station. After the Pledge of Allegiance was recited, the morning was filled with guest speakers including BeRailSafe's Roger Smock, NCDOT's Alison Boswell and Amtrak's Diana Cabot-Miller. Rail Division Director Paul Worley sent a welcome video to thank the hosts for their thousands of hours of volunteer service.

The hosts also honored and thanked former NCDOT Customer Service Manager Teshena DeBrew with a plaque for her years of support and leadership. The afternoon's line up included lunch, a group photo, an update and review by the Train Host's elected officers and the election of a new secretary, Mr. Chuck Graham. The remaining officers were re-elected to their current positions for another two-year term.

NCDOT's new Customer Service Manager, Tracey Creech, and Customer Service Agent, Tim McHugh, were also introduced. Deputy Director Allan Paul also presented his annual "State of the Rail" address to the group.

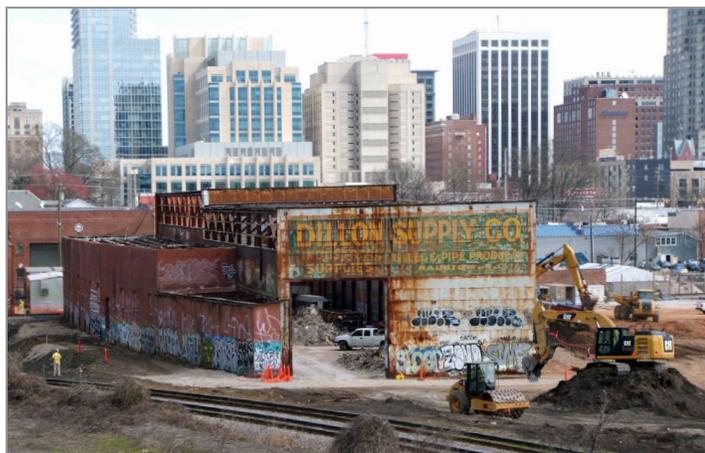
The Rail Division appreciates all of the dedication and enthusiasm of each and every Train Host. The NC Train Host Association volunteered over 13,142 hours in 2015. In January and February 2016, the NC Train Host Association volunteered over 1,626 hours. We appreciate their hard work and commitment to customer service!



Teshena DeBrew and husband, William

Raleigh Union Station Update

Construction on Raleigh Union Station began on Jan. 4, 2016, and is expected to take 22 months to complete. Grading work will begin this summer for track and signal work to be done by CSXT and Norfolk Southern. The new station is scheduled to be ready for intercity passenger train service in October 2017.



Baby Born on Carolinian on Feb. 20th

When Sheera Lowe boarded the Carolinian in Kannapolis to travel back home to Philadelphia, she had no idea what a memorable trip it would be. Lowe, pregnant and due March 4, went into labor early. The train made an emergency stop in Aberdeen, Maryland, for paramedics to board the train to assist with the delivery. Ms. Lowe named the 8-pound, 3-ounce baby Trinity Christina Stokes.

Ridership & Revenue on NC's Amtrak Service – *Jan. 2016 vs. 2015

Icon	RIDERSHIP			REVENUE		
	2016	2015	% +/-	2015	2014	% +/-
Piedmont	11,595	12,243	-5%	\$261,641	\$251,268	4%
Carolinian	17,526	19,996	-12%	\$1,105,581	\$1,250,942	-12%

781

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



***January 2016** service modifications and annulments impacted six Piedmont trains and eight Carolinian trains. On Jan. 14, Train 73 terminated in Durham and Train 74 was cancelled due to NS freight train breakdown on single track just west of Durham. Trains 73 and 80 were cancelled on Jan. 23 and 24 due to winter weather; Train 79 operated from Raleigh to Charlotte only from Jan. 23 through 26; and Train 80 operated Charlotte to Raleigh only on Jan. 25 and 26. On Jan. 25, Trains 74 and 75 were annulled for PIP project work at Abbott's Creek bridge. Additional disruptions for PIP project work will continue to occur as necessary. Average gasoline prices were \$2.01/gallon in January 2016 versus \$2.24/gallon in January 2015 (EIA Weekly Retail Gasoline for Lower Atlantic region).



CIVIC PRIDE | NORTH CAROLINA

NORTH CAROLINA TRAIN HOST ASSOCIATION



The state of North Carolina partners with Amtrak to provide rail service on two routes. Amtrak operates the *Piedmont* service (Charlotte-Raleigh) under contract with the state; all *Piedmont* equipment is newly refurbished and state-owned. North Carolina also contracts with Amtrak to operate the *Carolinian* (Charlotte-New York), which operates with Amtrak-owned equipment.

CREATING A STATEWIDE PROGRAM

The North Carolina Department of Transportation (NCDOT) promotes state-supported rail service through a variety of initiatives, including the North Carolina Train Host Association. Volunteer Train Hosts assist passengers onboard *Piedmont* trains and the *Carolinian* on the segment of its route within state boundaries. The association also includes Station Hosts who offer similar assistance at stations.

“Station Hosts were a natural progression from the Train Host program,” says Alison Boswell of the NCDOT. “If a Train Host could not, for whatever reason, physically work the trains, they remained active in the association by volunteering at the stations.”

Since 1990, members of the North Carolina Train Host Association have primarily volunteered at the state’s three busiest stations - Raleigh, Charlotte and

“The pride that our North Carolina Train Host Association volunteers take in their organization and their role as goodwill ambassadors is an invaluable asset to our program. We are very grateful for their hard work and support and are proud to be associated with them.”

– Paul Worley, CPM, Director NCDOT Rail Division

Greensboro - but can also be found at other locations. Station Hosts answer travelers’ questions, describe points of interest, provide local transportation options, promote rail safety and serve in general as “goodwill ambassadors” for the state and Amtrak. They also assist

the Amtrak station agents or NCDOT Station Attendants as requested.

As of early 2016, there were 120 North Carolina Train Hosts. Approximately 15 of those volunteers worked primarily in stations. Paul Worley, CPM, Director of the NCDOT Rail Division, notes, "In 2015, association members contributed more than 13,100 hours aboard the trains and in the stations throughout North Carolina."

HOST TRAINING

New Train Hosts fill out an application and must pass a background check. Once they are approved to move forward, they attend a day of training in Raleigh sponsored by the NCDOT. Classes are held two or three times a year depending on the number of applications received.

Hosts board actual *Piedmont* equipment to get a feel for the train; review schedules and rail safety standards; and discuss rules for working with Amtrak personnel and interacting with passengers.

Once they have completed an in-station training period, Station Hosts must commit to two hosting days every 30 days. They are generally in the station for about an hour before and after a train's departure. In addition to the duties mentioned above, Station Hosts may assist passengers with disabilities as requested by NCDOT or Amtrak personnel, but they do not handle baggage.

Hosts are asked to present a neat and uniformed appearance while on duty. Men wear a suit or sport coat and slacks, shirt of any color, a vest and a necktie, while women may wear a skirt or pants, a blouse of any color, a vest and a scarf. Volunteers must also wear an ID badge so that they are easily identified by passengers and station staff. The NCDOT and Train Host Association provide the vests, neckties, scarves, hats, visors and ID badges.

STATION HOST COORDINATORS

There is a Station Host Coordinator each for the Raleigh, Charlotte and Greensboro stations. They arrange for Station Hosts to be present during especially busy days, whether to assist a large tour group coming through the station, facilitate holiday travel, or help during high ridership events such as a Carolina Panthers game.

Bill Cole, the Station Host Coordinator based in Charlotte, has volunteered with the program for 25 years. In that time, he has developed his own Host philosophy that he shares with new volunteers: "I focus on four components of every trip: 1. The ticket purchase - was it problem-free? 2. In the station - was it a welcoming, helpful and comfortable environment? 3. The "on-board" experience - were you pleased? Would you ride again? (The Host's job is to help this happen). 4. Assist in smooth and efficient de-training and baggage pickup, directions to taxis, buses, etc."

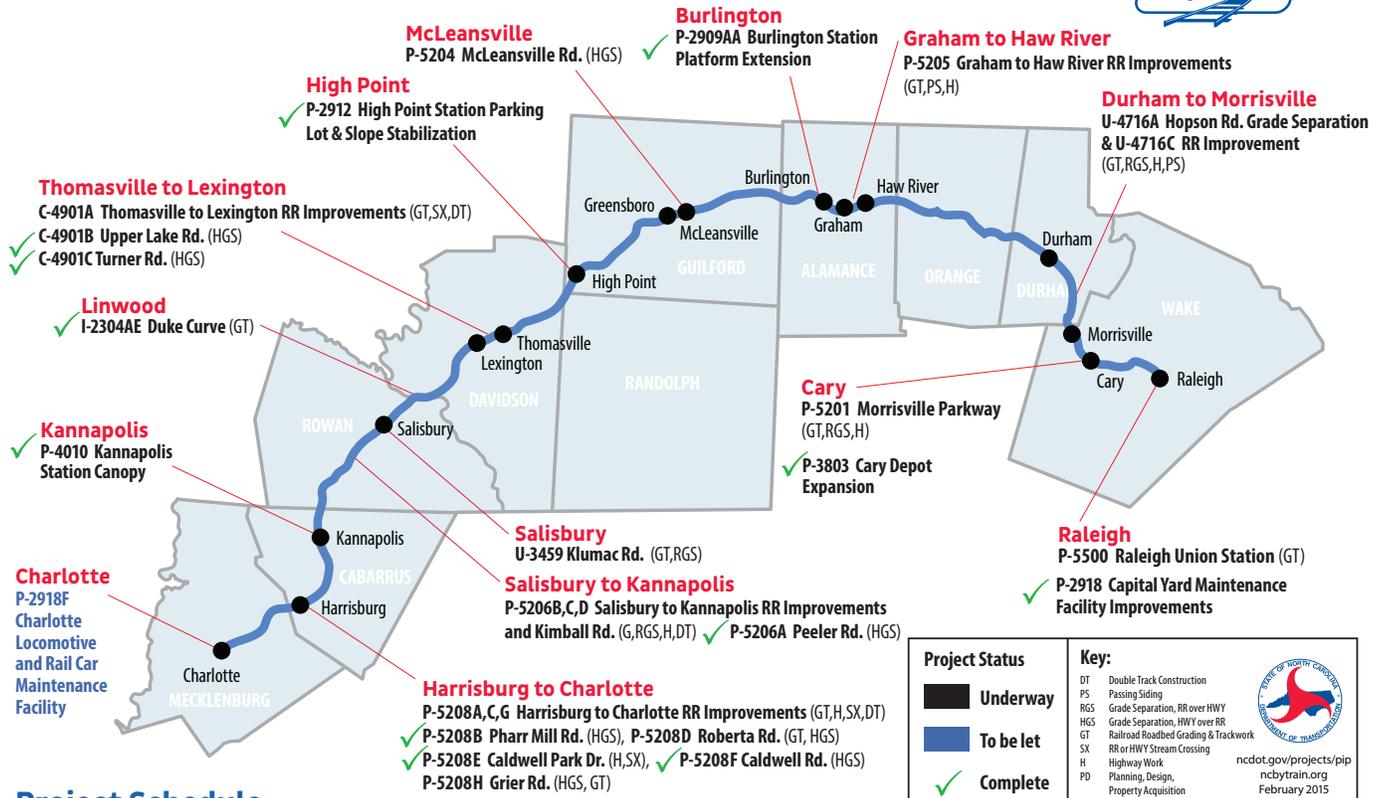


North Carolina Train Host Association volunteers.

The Station Host Coordinators work with new volunteers to discuss their areas of interest, introduce them to the NCDOT Station Attendants or Amtrak agents, provide contact information for local transportation providers and highlight restaurants, shopping areas and other attractions in the community.

Thanks to Alison Boswell of the NCDOT for her assistance with this profile. Photos by Katy Warner, NCDOT Staff Photographer.

Piedmont Improvement Program – February 2016 Status Report



Spent to Date of \$520M (eff. 2/29/2016)

Component	Expenditure
PD&A/ROW	\$50,021,400
Equipment Procurement & Rebuild	\$27,965,272
Stations & Facilities	\$44,161,413
Track & Structures	\$257,707,307
CRISP	\$2,180,376
Program Totals	\$382,035,768

Six new contracts totaling \$430,056 were awarded in February.

Commitments to Date of \$520M (eff. 2/29/2016)

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: On Feb. 8, a key track cut-over was completed at new CP Sumner on the Reid to North Kannapolis double track project. Trains are now operating over two completed Number 24 turnouts in Main track 1. With the temporary track detour removed, Main track 2 turnouts, above, are now under construction.

Thomasville: On Feb. 29, a key track cut-over was completed at new CP Lake on the Bowers to Lake double track project. Trains are now operating over two completed Number 24 turnouts in Main track 2. Once the temporary track detour is removed, Construction of the Main track 1 turnouts will begin.

Piedmont Improvement Program – Project Photos – Feb. 2016



P-5201 Morrisville Parkway, bridge construction



P-5201 Morrisville Parkway, track construction



U-4716 Nelson to Clegg Passing Siding, track construction



P-5205 Graham to Haw River Passing Siding, signal installation



P-5204 McLeansville Road Bridge Construction



P-5204 McLeansville Road Bridge Construction

Piedmont Improvement Program – Project Photos – Feb. 2016



C-4901 Bowers to Lake, track construction over Hamby Creek



P-5206 Reid to North Kannapolis, industrial track spur and siding



P-5206 Reid to North Kannapolis, Kimball Road Bridge construction



P-5208A Haydock to Junker, Coddle Creek Bridge, pier



P-5208 Haydock to Junker, Roberta Road Bridge Construction



P-5208 Haydock to Junker, Grier Road Bridge Construction



ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

BOARD OF TRANSPORTATION APRIL 6, 2016

TIME: 3:15 PM

LOCATION: 160

TOPIC	PRESENTER	TIME
Reba & Grady Moretz – Bridge at The Foley Center at Chestnut Ridge, Watauga County , Division 11 (Palermo)	Leigh Wing	5 min
Billy Ray Bailey – Bridge 134, Whittington Road (SR 1379) over Cane River in Yancey County, Division 13 (Brown)	Leigh Wing	5 min
Honorable Talmadge S. Baker – NC 49 from SW Asheboro City Limits to US 64, Randolph County, Division 8 (Molamphy)	Leigh Wing	5 min
Other Business	Leigh Wing	15 min