



**MEETING AGENDA**  
**Monthly Meeting of the North Carolina Board of Transportation**  
 1 South Wilmington Street Raleigh, North Carolina 27601  
**February 3-4, 2016**

**WEDNESDAY, FEBRUARY 3, 2016**

**10:30AM – 12:00PM**

Multi-Modal Committee	EIC
Highway Committee	Room 150

**12:00PM                      LUNCH IS AVAILABLE**

**12:00PM – 12:15PM        BREAK**

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

Chief Financial Officer Update	David Tyeryar
Ferry Tolling Resolution (Discussion)	Shelley Blake
Periodic Review of Rules	Helen Landi
NCDOT Report Update	Eric Boyette/Mike Holder
Merger Process	Richard Hancock
Product Evaluation Program: Awareness Update / New Products	Jimmy Travis Jessica Kuse

**1:15PM – 1:30PM        BREAK**

**1:30PM – 2:30PM**

Funding Appropriations and Strategy (FAST) Committee	EIC
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**1:30PM – 3:00PM**

Economic Development & Intergovernmental Relations (EDIR) Committee	Room 150
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**3:00PM – 3:30PM**

Road Naming Committee	Room 160
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**3:30PM – 5:00PM**  
 General Meeting Time

NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

- Call to Order Chairman Curran
- Invocation Lou Wetmore
- Ethics Declaration Chairman Curran
- Approval of January Board Meeting Minutes Chairman Curran
- Secretary's Remarks 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

Winter Weather Update  
 Division 8  
 North Carolina Ports Authority Update

Mike Holder, Chief Engineer  
 Patrick Molamphy, Board Member  
 Paul Cozza, CEO NCSPA

ACTION

Chairman Curran

- Ferry Tolling Resolution (confirming current toll rates)
- Periodic Review of Rules
- Strategic Safety Project Funding

**Approval of Projects**

- (Item G) Additions and Abandonments to State Secondary Road System
- (Item I) Public Transportation Program
  - (Item I-1) Public Transportation
  - (Item I-2) Rail Program
  - (Item I-4) Aviation
- (Item J) Specific State Funds for Construction Projects
- (Item K) North Carolina Highway Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) TIP Amendments
- (Item O) Municipal and Special Agreements
- (Item R) Right of Way Resolutions and Ordinances
- (Item 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**  
**February 3 - 4, 2016**

Delegated Authority ..... Secretary Tennyson

- (Item C) Award of Highway Construction Contracts from January 19, 2015 Letting
- (Item D) Award of Contracts to Private Firms for Engineering Services
- (Item E) Funds for Secondary Road Improvement Projects – Highway Fund and Highway Trust Fund
- (Item H) Funds for Division-wide Small Construction, Statewide Contingency, Public Access, and Economic Development
- (Item L) Funds for Specific Spot Safety Improvement Projects

Action ..... Chairman Curran

- (Item G) Additions, Abandonments, and Road Name Changes to State Secondary Road System
- (Item I) Public Transportation Program
  - (Item I-1) Public Transportation
  - (Item I-2) Rail Program
  - (Item I-3) Bicycle and Pedestrian
  - (Item I-4) Aviation
- (Item J) Specific State Funds for Construction Projects
- (Item K) North Carolina Highway Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) Revisions to the 2016-2025 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations
- (Item T) Submission of Comprehensive Transportation Plans for Mutual Adoption by the Board of Transportation

# **NCDOT Board of Transportation Agenda**

## **ITEM C**

### **January 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.  
JANUARY 19, 2016  
DIVISION 00004

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C203776  
52001.3.1  
NHPP-0040(14)340  
JOHNSTON  
I-5723

PROPOSAL LENGTH 11.000 MILES

TYPE OF WORK PAVEMENT REHABILITATION AND DRAINAGE.

LOCATION I-40 FROM 0.6 MILES EAST OF SR-1211 (MORGAN RD) IN JOHNSTON COUNTY TO THE  
SAMPSON COUNTY LINE.

EST CONST PROGRESS.... FY-2016..69% OF BID  
FY-2017..31% OF BID

RPN 001 2 BIDDER(S) DBE GOAL 10.00 %

ESTIMATE 5,861,738.97

DATE AVAILABLE MAR 28 2016

FINAL COMPLETION SEP 15 2016

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	6,050,987.80	+3.2
S. T. WOOTEN CORPORATION WILSON, NC	6,127,363.20	+4.5

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00005

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C203765  
53027.3.1  
NHPP-0085(14)  
VANCE, GRANVILLE  
I-5787

PROPOSAL LENGTH 17.350 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-85 FROM NORTH OF NC-56 IN GRANVILLE COUNTY TO US-158 IN VANCE COUNTY.

EST CONST PROGRESS.... FY-2016..64% OF BID  
FY-2017..36% OF BID

RPN 002 2 BIDDER(S) DBE GOAL 9.00 %

ESTIMATE 6,320,866.54

DATE AVAILABLE FEB 29 2016

FINAL COMPLETION OCT 31 2016

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	6,005,084.05	-5.0
CAROLINA SUNROCK LLC RALEIGH, NC	7,495,585.71	+18.6

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00005

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C203797  
2016CPT.05.03.20921.1  
STATE FUNDED  
WAKE

PROPOSAL LENGTH 30.491 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 18 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2016..61% OF BID  
FY-2017..39% OF BID

RPN 003 4 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 7.00%  
ESTIMATE 4,221,610.75

DATE AVAILABLE FEB 29 2016

FINAL COMPLETION NOV 18 2016

	\$ TOTALS	% DIFF
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	3,941,701.15	-6.6
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	4,099,499.00	-2.9
CAROLINA SUNROCK LLC RALEIGH, NC	4,238,274.21	+0.4
THE LANE CONSTRUCTION CORP CHESHIRE, CT	4,769,140.15	+13.0

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00005

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C203798  
2016CPT.05.04.20921.1  
STATE FUNDED  
WAKE

PROPOSAL LENGTH 32.106 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 20 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2016..61% OF BID  
FY-2017..39% OF BID

RPN 004 4 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 7.00%  
ESTIMATE 4,619,402.77

DATE AVAILABLE FEB 29 2016

FINAL COMPLETION NOV 18 2016

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	4,436,035.00	-4.0
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	4,837,231.51	+4.7
THE LANE CONSTRUCTION CORP CHESHIRE, CT	5,510,088.90	+19.3
GELDER & ASSOCIATES, INC. RALEIGH, NC	5,762,082.80	+24.7

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00005

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C203799  
2016CPT.05.05.10921.1  
STATE FUNDED  
WAKE

PROPOSAL LENGTH 5.693 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION US-1 FROM NC-98 BUS TO FRANKLIN CO LINE, US-1 FROM US-1 ALT TO SR-2045 & US-1 ALT FROM CHESTNUT AVE TO FRANKLIN CO LINE.

EST CONST PROGRESS.... FY-2016..80% OF BID  
FY-2017..20% OF BID

RPN 005 4 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 7.00%  
ESTIMATE 1,966,159.84

DATE AVAILABLE APR 04 2016

FINAL COMPLETION AUG 19 2016

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	1,759,000.00	-10.5
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	1,798,285.86	-8.5
CAROLINA SUNROCK LLC RALEIGH, NC	2,047,869.34	+4.2
THE LANE CONSTRUCTION CORP CHESHIRE, CT	2,203,803.35	+12.1

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00005

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C203796  
2016CPT.05.15.10921.1, 2016CPT.05.15.20921.1  
STATE FUNDED  
WAKE

PROPOSAL LENGTH 11.163 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION US-401 FROM US-70 TO NC-55 AND 1 SECTION OF SECONDARY ROAD.

EST CONST PROGRESS.... FY-2016..64% OF BID  
FY-2017..36% OF BID

RPN 006 2 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 7.00%  
ESTIMATE 3,920,453.26

DATE AVAILABLE FEB 29 2016

FINAL COMPLETION OCT 31 2016

	\$ TOTALS	% DIFF
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	3,789,636.02	-3.3
THE LANE CONSTRUCTION CORP CHESHIRE, CT	4,079,794.25	+4.1

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HIGHWAY LETTING  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH N.C.  
 JANUARY 19, 2016  
 DIVISION 00007

C203664  
 46055.3.FD1  
 BRSTP-1767(5)  
 ROCKINGHAM  
 B-5341

PROPOSAL LENGTH 0.123 MILES

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

LOCATION BRIDGE #110 OVER WOLF ISLAND CREEK ON SR-1767 (MAYFIELD ROAD).

EST CONST PROGRESS.... FY-2016..72% OF BID  
 FY-2017..28% OF BID

RPN 007 10 BIDDER(S) DBE GOAL 8.00 %  
 ESTIMATE 1,266,261.95

DATE AVAILABLE MAR 15 2016 THRU MAY 01 2016  
 INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT  
 VEGETAION ESTABLISHMENT 185 DAYS AFTER START DATE  
 FINAL COMPLETION 365 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
EASTERN STRUCTURES LLC MOCKSVILLE, NC	1,184,936.45	-6.4
TCB BUILDERS, LLC LEXINGTON, NC	1,215,597.25	-4.0
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	1,240,393.15	-2.0
DANE CONSTRUCTION, INC. MOORESVILLE, NC	1,255,471.20	-0.9
SMITH-ROWE, LLC MOUNT AIRY, NC	1,268,148.45	+0.1
COUNTRY BOY LANDSCAPING INC HARMONY, NC	1,343,333.33	+6.1
APPLE TUCK & ASSOCIATES, INC. RUTHERFORDTON, NC	1,344,414.20	+6.2
S. T. WOOTEN CORPORATION WILSON, NC	1,348,374.05	+6.5
DELLINGER, INC. MONROE, NC	1,356,498.40	+7.1
ENGLISH CONSTRUCTION CO., INC. LYNCHBURG, VA	1,632,432.95	+28.9

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00008

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C203764  
2016CPT.08.08.10761, 50138.3.FS37, 52019.3.1, 53006.3.1  
STATE FUNDED, HSIP-0731(6), NHPP-0073(041), NHPP-0073(042)  
RANDOLPH  
W-5601AJ, I-5737, I-5763

PROPOSAL LENGTH 11.232 MILES

TYPE OF WORK PAVEMENT AND BRIDGE REHABILITATION.

LOCATION US-220/I-73/I-74 FROM SR-2269 TO SR-1712 & US-220/I-73/I-74 FROM US-311 TO GUILFORD COUNTY LINE.

EST CONST PROGRESS.... FY-2016..61% OF BID  
FY-2017..39% OF BID

RPN 008 4 BIDDER(S) DBE GOAL 7.00 %

ESTIMATE 6,770,508.40

DATE AVAILABLE MAR 21 2016

FINAL COMPLETION OCT 28 2016

	\$ TOTALS	% DIFF
APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION GREENSBORO, NC	6,298,145.37	-7.0
SHARPE BROTHERS A DIV OF VECCELLIO & GROGAN, INC. GREENSBORO, N	6,495,270.46	-4.1
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	6,892,961.40	+1.8
RILEY PAVING INC CARTHAGE, NC	7,043,703.75	+4.0

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00010

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C203663  
42845.3.FD1  
BRSTP-1008(23)  
UNION  
B-5243

PROPOSAL LENGTH 0.187 MILES

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

LOCATION BRIDGE OVER S FORK CROOKED CREEK ON SR-1008 (INDIAN TRAIL RD SOUTH) &  
IMPROVEMENT OF THE INT OF SR-1009 & SR-1371.

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

RPN 009 4 BIDDER(S) DBE GOAL 11.00 %

ESTIMATE 1,566,985.34

DATE AVAILABLE FEB 29 2016

INTER COMPLETION DEC 01 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR  
PERMANENT VEGETATION ESTABLISHMENT  
NOV 07 2016 COMPLETE THE WORK REQUIRED OF PHASE II, STEP #1 THRU PHASE II,  
STEP #4

FINAL COMPLETION MAY 30 2017

	\$ TOTALS	% DIFF
SEALAND CONTRACTORS CORP CHARLOTTE, NC	1,926,671.52	+23.0
MOUNTAIN CREEK CONTRACTORS INC NORTH CHARLESTON, SC	1,998,437.20	+27.5
D.H. GRIFFIN INFRASTRUCTURE, LLC GREENSBORO, NC	2,424,838.81	+54.7
COUNTRY BOY LANDSCAPING INC HARMONY, NC	2,444,444.44	+56.0

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00013

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C203665  
46110.3.2  
STATE FUNDED  
RUTHERFORD  
B-5395

PROPOSAL LENGTH 0.123 MILES

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

LOCATION BRIDGE #577 OVER HUNTING CREEK ON SR-1538.

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

RPN 010 5 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%  
ESTIMATE 737,783.20

DATE AVAILABLE MAR 15 2016

INTER COMPLETION SEP 01 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR  
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION FEB 28 2017

	\$ TOTALS	% DIFF
APPLE TUCK & ASSOCIATES, INC. RUTHERFORDTON, NC	712,205.20	-3.5
MOUNTAIN CREEK CONTRACTORS INC NORTH CHARLESTON, SC	717,059.10	-2.8
D.H. GRIFFIN INFRASTRUCTURE, LLC GREENSBORO, NC	757,094.50	+2.6
MILLER ENGINEERING COMPANY, INC MARION, NC	768,556.82	+4.2
COUNTRY BOY LANDSCAPING INC HARMONY, NC	818,888.88	+11.0

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00014

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C203666  
38592.3.FD1  
BRZ-1119(4)  
TRANSYLVANIA  
B-4822

PROPOSAL LENGTH 0.171 MILES

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

LOCATION BRIDGE #13 OVER NICHOLSON CREEK ON SR-1119.

EST CONST PROGRESS.... FY-2016..71% OF BID  
FY-2017..29% OF BID

RPN 011 4 BIDDER(S) DBE GOAL 9.00 %

ESTIMATE 982,594.30

DATE AVAILABLE FEB 29 2016

INTER COMPLETION OCT 01 2016 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR  
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION MAR 30 2017

	\$ TOTALS	% DIFF
BUCKEYE BRIDGE LLC CANTON, NC	949,193.10	-3.4
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	949,351.10	-3.4
DANE CONSTRUCTION, INC. MOORESVILLE, NC	1,009,148.40	+2.7
CHARLES BLALOCK & SONS, INC. SEVIERVILLE, TN	1,525,209.43	+55.2

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00014

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C203670  
46118.3.FD1  
BRZ-1532(5)  
TRANSYLVANIA  
B-5403

PROPOSAL LENGTH 0.151 MILES

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

LOCATION BRIDGE #196 OVER CRAB CREEK ON SR-1532.

EST CONST PROGRESS.... FY-2016..61% OF BID  
FY-2017..39% OF BID

RPN 012 5 BIDDER(S) DBE GOAL 10.00 %

ESTIMATE 966,947.76

DATE AVAILABLE FEB 29 2016

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

FINAL COMPLETION MAY 14 2017

	\$ TOTALS	% DIFF
BUCKEYE BRIDGE LLC CANTON, NC	856,044.08	-11.5
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	928,594.40	-4.0
NHM CONSTRUCTORS, LLC ASHEVILLE, NC	1,008,754.30	+4.3
DANE CONSTRUCTION, INC. MOORESVILLE, NC	1,151,343.93	+19.1
CHARLES BLALOCK & SONS, INC. SEVIERVILLE, TN	1,426,480.58	+47.5

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00014

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C203671  
46119.3.FD1  
BRZ-1163(10)  
JACKSON  
B-5404

PROPOSAL LENGTH 0.205 MILES

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

LOCATION BRIDGE #136 OVER PINE CREEK ON SR-1163.

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

RPN 013 4 BIDDER(S) DBE GOAL 7.00 %

ESTIMATE 902,359.10

DATE AVAILABLE FEB 29 2016

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

FINAL COMPLETION APR 13 2017

	\$ TOTALS	% DIFF
BUCKEYE BRIDGE LLC CANTON, NC	882,878.00	-2.2
OWLE CONSTRUCTION, LLC WHITTIER, NC	967,924.10	+7.3
DANE CONSTRUCTION, INC. MOORESVILLE, NC	1,059,587.65	+17.4
CHARLES BLALOCK & SONS, INC. SEVIERVILLE, TN	1,393,710.48	+54.5

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JANUARY 19, 2016  
DIVISION 00014

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\*RELET FROM 11/17/15

\*C203812  
2016CPT.14.02.10871.1  
STATE FUNDED  
SWAIN

PROPOSAL LENGTH 3.170 MILES

TYPE OF WORK MILLING & RESURFACING.

LOCATION 1 SECTION OF US-74 AND RAMPS FROM BRIDGE #10 TO SR-1123.

EST CONST PROGRESS.... FY-2016..59% OF BID  
FY-2017..41% OF BID

RPN 014 2 BIDDER(S) MBE GOAL 2.00 % WBE GOAL 2.00%  
ESTIMATE 3,042,255.37

DATE AVAILABLE APR 18 2016

FINAL COMPLETION SEP 30 2016

	\$ TOTALS	% DIFF
WNC PAVING , INC. WAYNESVILLE, NC	3,278,234.20	+7.8
HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC KN	3,336,970.94	+9.7

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ESTIMATE TOTAL	43,145,927.55	
LETTING TOTAL	42,070,751.94	-2.5

NOVEMBER 17, 2015 LETTING

2016CPT.14.02.10871.1  
STATE FUNDED  
SWAIN  
RPN 007

MILLING & RESURFACING.

DATE AVAILABLE      APR 18 2016  
FINAL COMPLETION    JUN 30 2016

ENGINEER'S ESTIMATE

\$2,409,366.06

	\$ TOTALS	% DIFF
HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC	2,990,675.66	+24.1
WNC PAVING, INC. WAYNESVILLE, NC	3,107,869.85	+29.0

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JANUARY 19, 2016 LETTING

2016CPT.14.02.10871.1  
STATE FUNDED  
SWAIN  
RPN 014

MILLING & RESURFACING.

DATE AVAILABLE      APR 18 2016  
FINAL COMPLETION    SEP 30 2016

ENGINEER'S ESTIMATE

\$3,042,255.37

	\$ TOTALS	% DIFF
WNC PAVING, INC. WAYNESVILLE, NC	3,278,234.20	+7.8
HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC	3,336,970.94	+9.7

**NCDOT February 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 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 12**

Project:	37944.1.1 (R-2307) Lincoln, Catawba, and Iredell Counties
Scope of Work:	NC 150 from relocated NC 16 to I-77 Preparation of environmental documents and preliminary designs
Estimated Construction Cost:	\$157,500,000.00
Firm:	Stantec Consulting Services, Inc., Raleigh, NC
Original Engineering Fee:	\$1,200,000.00
Supplemental Fee:	\$ 595,000.00
Supplemental Work:	Air/noise technical studies, preparation of the EA, hearing maps, public hearing, interchange modification report for the I-77 interchange, FONSI, merger meetings and ongoing agency coordination
SPSF Utilization:	Patriot Transportation Engineering, PLLC \$32,754.14 6%

## Transit

### Rail

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

### DIVISION 10

Project:	40325.1.46 and 80000.2.3.17 (Y-4810K) Cabarrus County Proposed Grade Separation over S. Main, NCRR/NS and Ridge and Proposed closure of the Rogers Lake Road at-grade crossing
Scope of Work:	Hydraulics, Structures, Erosion Control, Utilities, Traffic Control
Estimated Construction Cost:	\$12,700,000.00
Firm:	Simpson Engineers and Associates PC, Cary, NC
Maximum Engineering Fee:	\$194,637.12
DBE/MBE/SPSF Utilization:	Simpson Engineers \$97,318.56 50%
DBE/MBE/SPSF Utilization:	Sungate Design Group, PA \$29,195.57 15%

### Turnpike Authority

The following is a supplemental contract to a previous contract approved by the Board with the same 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:	Develop and implement strategies for long-term operations and capital financing needs and marketing of bond issued by the department – move arbitrage rebate work from under financial planning to asset management due to the new regulatory framework.
Firm:	Public Financial Management, Inc., Baltimore, MD
Original Engineering Fee:	\$1,050,000.00
Previous Supplemental Fee:	\$1,971,400.00
Supplemental Fee:	\$ 0.00 one year time extension only
SPSF Utilization:	0%

**NCDOT February 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)**

<b>County</b>	<b>SR No./ Road Name</b>	<b>Description</b>	<b>Amount</b>
Granville Div. 5	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 5C.039059	\$1,469,907.58
Wake Div. 5	SR 1400 Ballentine Dairy Road	GDB&P. Increase Funds. WBS 5C.092148	\$50,000.00
Bladen Div. 6	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 6C.009015	\$670.29
Columbus Div. 6	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 6C.024023	\$108,861.93
Anson Div. 10	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 10C.004010	\$9,465.57
Cherokee Div. 14	SR 1688 Nottley River Road	GDB&P. Increase Funds. WBS 14C.020107	\$90,000.00
Cherokee Div. 14	SR 1318M Camp Creek Road	GDB&P. Increase Funds. WBS 14C.020108	\$600,000.00
Henderson Div. 14	SR 1353 Hooper Lane	GDB&P. WBS 14C.045165	\$250,000.00
Macon Div. 14	SR 1736 West Side Duck Mountain Road	GDB&P. Increase Funds. WBS 14C.056129	\$175,000.00
Statewide	Various	Senate Bill 119 Pilot Program for Improvements to Non-system Roads WBS Project 44722	\$1,000,000.00

**NCDOT February 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)**

**Closings**

Division	County	WBS Element	Road Number / Name	Amount
Div. 5	Warren	5C.093049	GDB&P. SR 1223, John Edwards Road. Increase and Close.	\$1,260.30

**Deletions**

County	SR No.	Reason	Amount
Brunswick Div. 3	SR 1274 Eyota Drive	Pipe Replacement. Funds Used on Higher Priority Projects. WBS 3C.010087	-\$57,296.73
Brunswick Div. 3	SR 1512 Green Lewis Road	Pipe Replacement. Funds Used on Higher Priority Projects. WBS 3C.010088	-\$47,917.28
Wake Div. 5	SR 2343 Magnum Street	GDB&P. Unavailable Right of Way. WBS 5C.092084	-\$126,695.00
Wake Div. 5	SR 3043 Ferson Road	GDB&P. Unavailable Right of Way. WBS 5C.092105	-\$77,844.00
Wake Div. 5	SR 2745 Bill Love Road	GDB&P. Unavailable Right of Way. WBS 5C.092134	-\$258,328.84
Orange Div. 7	SR 1538 New Sharon Church Road	Widening. Funded By Another Source. WBS 7C.068106	-\$50,000.00
Orange Div. 7	SR 1306 Lebanon Road	Widening. Funded By Another Source. WBS 7C.068107	-\$50,000.00
Randolph Div. 8	SR 2279 Millikan Way	GDB&P. Unavailable Right of Way. WBS 8C.076159	-\$85,609.69
Buncombe Div. 13	SR 2136 Riddle Road	GDB&P. Unavailable Right of Way. WBS 13C.011182	-\$69,873.62

**February 2016 Item E Summary:**

<b>10</b>	<b>Projects to Increase Funds</b>	<b>Amount:</b>	<b>\$3,753,905.37</b>
<b>1</b>	<b>Projects to Increase and Close</b>	<b>Amount:</b>	<b>\$1,260.30</b>
<b>9</b>	<b>Projects to Delete</b>	<b>Amount:</b>	<b>-\$823,565.16</b>

February 4, 2016

## NCDOT February 2016 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 1</b>				
Northampton	50981	0.36	Enviva Boulevard	11/11/15
Pasquotank	50982	0.13	<b>Pine Lakes Subdivision</b> Quail Run, SR 1412 Ext.	11/19/15
Pasquotank	50983	0.13	<b>Harvest Point Subdivision</b> Mia Court	11/5/15
Pasquotank	50984	0.05	<b>Country Club Forest Subdivision</b> Country Club Drive	11/19/15
<b>Division 2</b>				
Beaufort	50985	0.11	<b>Schrams Beach Subdivision</b> Hideaway Road	4/20/15
Carteret	50986	0.28 0.16 0.18 0.06 0.06	<b>Deer Park Subdivision</b> Bobbys Drive Backfield Drive Antler Drive White Doe Court Fawn View Court	11/3/15
Carteret	50987	0.17	<b>Joan's Haven Subdivision</b> Joan's Haven Drive	11/12/15
Craven	50988	0.14 0.05 0.18 1.00	<b>The Lakes of Antioch Subdivision</b> Fernie Lane Jones Farm Road Antioch Lake Road Ramona's Lake Court	5/13/15
<b>Division 3</b>				
Onslow	50989	0.32 0.20 0.05	<b>Country Club Estates Subdivision</b> Lynchburg Drive Claymore Drive Tiffin Court	11/2/15
Onslow	50990	0.22	<b>Brook Ridge Subdivision</b> Stoney Brook Way	12/11/15
<b>Division 4</b>				
Johnston	50991	0.23 0.16 0.05	<b>Langdon Farms Subdivision</b> Langdon Farm Drive Gray Court Lawson Court	11/5/15

February 4, 2016

## NCDOT February 2016 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 4</b>				
Johnston	50992		<b>Glen Iris Subdivision</b>	11/10/15
		0.07	Glen Iris Drive	
		0.30	Letchworth Drive	
		0.33	Genessee Drive	
Johnston	50993		<b>Remington Hills Subdivision</b>	11/23/15
		0.34	Redwood Road	
Johnston	50994		<b>Cleveland Manor Subdivision</b>	10/27/15
		0.15	Manor Drive, SR 1516 Ext.	
Wayne	50995		<b>Glen Laurel Subdivision</b>	11/30/15
		0.38	Glen Laurel Drive	
		0.44	Laurel Place	
		0.04	Mona Place	
<b>Division 7</b>				
Guilford	50996		<b>Grier Hunt Subdivision</b>	12/16/15
		0.33	Cynthia Road, SR 3454 Ext.	
Orange	50997		<b>Lucas Farm at New Hope Creek Subdivision</b>	9/28/15
		0.12	Lucas Farm Lane	
Rockingham	50998		<b>Seven Creeks Subdivision</b>	10/15/15
		0.12	Seven Creeks Drive, SR 1215 Ext.	
Rockingham	50999		<b>Oaks at Monroeton Subdivision</b>	3/13/15
		0.20	Oak Leaf Drive	
Rockingham	51000		<b>Lake Forest Subdivision</b>	10/19/15
		0.28	Lakeshore Drive	
<b>Division 8</b>				
Hoke	51001		<b>Steeplechase Subdivision</b>	11/18/15
		0.55	Equestrian Way, SR 1257 Ext.	
Randolph	51002		<b>Soapstone Estates Subdivision</b>	12/15/15
		0.14	Soapstone Drive	
<b>Division 9</b>				
Davie	51003		<b>Idlewild Subdivision</b>	12/9/15
		0.12	Idlewild Road	
Davie	51004		<b>Beacon Oaks Subdivision</b>	12/10/15
		0.13	Live Oaks Road	

February 4, 2016

## NCDOT February 2016 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 9</b>				
Forsyth	51005	0.38 0.12	<b>Blue Water Cove Subdivision</b> Eastshore Circle Samantha Court	12/9/15
Rowan	51006	0.61 0.38	<b>Berkshire Hills Subdivision</b> Amesbury Drive Hinsdale Avenue	12/1/15
Rowan	51007	0.19	<b>Neel Estates Subdivision</b> Waterford Drive	12/9/15
<b>Division 12</b>				
Cleveland	51008	0.20	<b>Dogwood Shores Subdivision</b> Fairmont Drive	1/12/16
Gaston	51009	0.04	<b>Country Meadows Subdivision</b> Lamp Glow Court	8/31/15

### Deletions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 3</b>				
New Hanover	51010	1.37	SR 1100 River Road	12/31/15

**Summary:**    **Number of Roads Petitioned for Addition – 46**  
                   **Number of Roads Petitioned for Abandonment – 1**

**Correction:** Petition 50979 was incorrectly listed to be in Davie County. It should have been listed in Forsyth.

**NCDOT FEBRUARY 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 Northampton	Construct drive and pave in front of bays at Gaston Fire Department located on SR 1209  WBS 44680	Public Access  <u>TOTAL</u>	 \$22,948.00  <u>\$22,948.00</u>
Div 3 Onslow	City of Jacksonville – Repair work on Carolina Forest Blvd (non-system) to include patching asphalt, milling & overlaying asphalt, and remove & replace damaged curb & gutter and monolithic islands Other funding: \$32,375 (City Powell Bill) WBS 44721	Contingency  <u>TOTAL</u>	 \$250,000.00  <u>\$250,000.00</u>
Div 3 Sampson	Town of Salemburg – Patch and resurface Town owned and maintained streets Other funding: \$56,759 (Town Powell Bill)  WBS 44735	Contingency  <u>TOTAL</u>	 \$300,000.00  <u>\$300,000.00</u>
Div 4 Edgecombe Johnston Wayne	Install future Interstate signs for US-70, US-117, and US-64 throughout the Division  WBS 80021	Small Construction  <u>TOTAL</u>	 \$30,000.00  <u>\$30,000.00</u>
Div 4 Nash	Install new traffic signal at intersection of US-64 westbound ramp and SR 1003 near Nashville  WBS 80022	Small Construction Contingency  <u>TOTAL</u>	 \$11,000.00 \$49,000.00  <u>\$60,000.00</u>
Div 4 Nash	Construct a new 760 lf road to serve Draka Elevator Products in the Whitakers Business and Industry Center WBS 80023	Econ Development  <u>TOTAL</u>	 \$45,725.00  <u>\$45,725.00</u>

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

<b>County</b>	<b>Description</b>	<b>Type</b>	<b>Amount</b>
Div 7 Guilford	City of Greensboro – Install mast arms, pedestrian signals, and stamped crosswalks at the intersection of SR 4240 (Gate City Blvd) & South Eugene St (non-system) and SR 4240 (Gate City Blvd) & Arlington St (non-system) WBS 44708	Small Construction <hr/> TOTAL	\$250,000.00 <hr/> \$250,000.00
Div 9 Rowan	Town of Granite Quarry – Repair 80 feet of curb & gutter and curb inlet on US-52  WBS 44676	Small Construction <hr/> TOTAL	\$24,000.00 <hr/> \$24,000.00
Div 19 Statewide	Historical Markers replacements and repairs  WBS 36101	Contingency <hr/> TOTAL	\$56,360.00 <hr/> \$56,360.00

**Deletion:**

Div 1, Chowan – WBS 44230 was established (06/14) to Improve intersection of SR 1102 off of NC-32; Funded by alternate source

Div 7, Alamance – WBS 44306 was established (11/14) to provide leading green phase left turn arrow for south bound NC-119 to Deerfield Trace and enlarge radius on northeast corner of Deerfield Trace (non-system); scope reduced

Div 7, Guilford County – WBS 43829 was established (03/13) for PE funds to scan existing overhead signs on Interstate System for improved directions to Piedmont Triad Airport; fewer signs than anticipated needed to be scanned

Div 7, Guilford County – WBS 44129 was established (02/14) to enhance wording on existing overhead and ground-mounted signs from PTI Airport to PTI-GSO Airport at various locations; funded by an alternate source

<b>Summary:</b>	<b>Number of Projects</b>	<b>9</b>
	<b>Number of Divisions</b>	<b>6</b>
	<b>Small Construction Commitment</b>	<b>\$315,000.00</b>
	<b>Public Access Commitment</b>	<b>\$22,948.00</b>
	<b>Contingency Commitment</b>	<b>\$655,360.00</b>
	<b>Economic Development</b>	<b>\$45,725.00</b>
	<b>TOTAL</b>	<b>\$1,039,033.00</b>

**NCDOT Board of Transportation Agenda  
Public Transportation Program**

Highway Division #	Urban State Match Program	Estimated Project Cost	
5	<p><b>16-95-X043 - City of Raleigh (GoRaleigh)</b> requests State Funds to match a Federal Transit Administration Urbanized Area Section 5307 capital grant. The grant provides funding for renovations to the existing Moore Square Station transfer station. The City of Raleigh is requesting a 10% state match for the renovations to the Moore Square Station. The effective date for reimbursement of eligible project costs is October 1, 2012 to June 30, 2016.</p>	<p>\$528,261 \$422,609 \$52,826 \$52,826</p>	<p>Total Federal State Local</p>
<b>State Intern / Apprentice Program</b>			
3	<p><b>17-DG-109 Jacksonville Transit</b> seeks approval for the Public Transportation Apprenticeship Program to assist with creating a plan for the maintenance and operational checks of our SEON camera system. Major tasks to be performed by the apprentice include restoring functionality of SEON camera systems and developing a preventative maintenance, program, regular inventory of material condition of Transit Stops and Amenities, aid in planning for placement of Transit Stops and Amenities, aid in monitoring contractor performance along fixed route system 5, and Onboard Passenger Survey.</p>	<p>\$37,498 \$0 \$33,748 \$3,750</p>	<p>Total Federal State Local</p>
5	<p><b>17-DG-046</b> The <b>City of Durham</b> requests an apprentice to work with Durham Area Transit Authority. The apprentice will assist the Senior Transportation Planner in the oversight of various transit items including fleet purchases, amenities, as well as transit related projects and programs. The apprentice will make sure the city is in compliance with all state and federally mandated procurement policies and procedures. The individual will also assist city staff with managing new technology grant projects recently initiated by the city that were funded by NCDOT. These include a surveillance camera installation project, paratransit vehicle surveillance camera project, AVL hosting migration from 2G to 4G pooling technology and related bid process, and updating a contract agreement between the city and Durham County.</p>	<p>\$34,400 \$0 \$30,960 \$3,440</p>	<p>Total Federal State Local</p>

**NCDOT Board of Transportation Agenda  
Public Transportation Program**

6	<p><b>17-DG-012 The City of Fayetteville</b> requests an apprentice to work with Fayetteville Area System of Transit (FAST). The apprentice will focus on transit operations, specifically relating to route and bus stop location analysis, but will have the opportunity to observe and assist will all segments of the department. FAST will be undergoing major operational changes over the next 24 months. This provides an excellent opportunity for an apprentice to learn about all aspects of a Transit System.</p>	<p>\$37,498 \$0 \$33,748 \$3,750</p>	<p>Total Federal State Local</p>
5 and 7	<p><b>117-DG-026 The Research Triangle Regional Public Transportation Authority</b> requests an apprentice will work with the Senior Graphics Designer and Marketing Manager. The Communications and Public Affairs Apprentice will support marketing and communications activities for the GoTransit family of services. The position is needed to reach the marketing goals set by the GoTransit partners to expand the awareness of regional transit services and increase regional transit ridership by 2% in the next year. In this internet age, having a strong web presence is critical for modern transit agencies. This apprentice will assist regional transit partners in integrating their websites with their local websites and keeping content up to date and uniform.</p>	<p>\$37,498 \$0 \$33,748 \$3,750</p>	<p>Total Federal State Local</p>
8	<p><b>17-DG-279 The County of Lee Transit System (COLTS)</b> is requesting an intern. The County of Lee Transit System (COLTS) will be implementing a new model of zoning-based scheduling to enhance service and efficiency through the Institute for Transportation Research and Education (ITRE). The intern will be assisting with marketing the new zones and routes through media outlets and literature provided to the public. The intern will be riding the routes and reporting back to COLTS staff. The intern will also work closely with the Transportation Coordinator, Scheduler and dispatch about customer concerns, issues, or suggestions. Surveys will also be conducted with the help of the intern to gauge the effectiveness of the new zoning system.</p>	<p>\$17,554 \$0 \$15,798 \$1,756</p>	<p>Total Federal State Local</p>

**NCDOT Board of Transportation Agenda  
Public Transportation Program**

10	<p><b>17-DG-024 The City of Charlotte</b> is requesting an apprentice. The apprentice will assist Finance staff in auditing grant related project budgets and workbooks for inconsistencies. The apprentice will work on a number of financial projects under the guidance of the Chief Financial Officer, Budget Manager, Transit Budget Supervisor and Transit Grant Supervisor. These projects will include but will not be limited to: the Annual National Transit Database Reports for CATS; Long Term Plan; annual Year End Financial Report; and annual Cost Allocation process. The Apprentice will also conduct federal budget reviews and will assist with Capital Investment Plan budget implementation.</p>	<p>\$32,432 \$0 \$29,188 \$3,244</p>	<p>Total Federal State Local</p>
10	<p><b>17-DG-024A The City of Charlotte</b> is requesting an apprentice. The apprentice will focus on aspects of project management, process development, schedule adherence, document control, and integration of vehicle and infrastructure systems under the guidance of the General Manager and Managers of Rail Operations. Projects will include forecasting, planning, annual Year End Financial Report, coordinating Project Resource Allocations and project needs, Annual National Transit Database Reports and special projects as assigned. The apprentice will also attend Right of Way Request Allocation meetings and conduct internal project reviews including budget, project integration, and scheduling.</p>	<p>\$32,432 \$0 \$29,188 \$3,244</p>	<p>Total Federal State Local</p>
10	<p><b>17-DG-024B The City of Charlotte</b> is requesting an apprentice. The Apprentice will train with Safety &amp; Security staff in order to develop an understanding of public transit and all key components that allow CATS to provide safe and reliable public transportation services while proactively contributing to focused growth and sustainable regional development. Work will involve assisting with accident reports, inspection reports, fire life safety drills, surveillance video, and accident investigations. The apprentice will also assist with weekly and monthly billing for contract police and security equipment maintenance and participate in emergency management drills with police, fire and medical personnel. The apprentice will attend project meetings to gain an understanding of System Safety and Security.</p>	<p>\$34,525 \$0 \$31,072 \$3,453</p>	<p>Total Federal State Local</p>

**NCDOT Board of Transportation Agenda  
Public Transportation Program**

13	<p><b>17-DG-071 The City of Asheville</b> is requesting an apprentice. The apprentice will be placed within the Transportation Planning Management Division of the City of Asheville's Transportation Department. This Division is responsible for all transit planning in the City of Asheville as well as managing and overseeing transit operations. The apprentice will work closely with the Division Manager in tasks related to city transit-specific projects as well as other multimodal projects. This apprenticeship will provide the student with an opportunity to be intimately involved in public transportation planning by improving multimodal and sustainability options for city residents and visitors.</p>	<p>\$32,432 \$0 \$29,188 \$3,244</p>	<p>Total Federal State Local</p>
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Item I-1, 10 Projects, Total Federal and State Funds \$ 742,703

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

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Division 1 Camden County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for bridge modernization on the Chesapeake & Albemarle Railroad (CA) rail corridor to improve safety and operating efficiency. The Department shall participate in 50% of the actual project costs not to exceed \$185,000.	\$185,000
Division 2 & 3 Onslow, Craven and Carteret Counties	The Rail Division requests Board approval of additional funding to prepare a Feasibility Study of the Camp Lejeune Railroad as requested by the General Assembly in House Bill 97, Section 29.21. The additional funds are necessary due to the increased scope of work. The funding source for the study will be state funds. The additional amount requested is \$200,000 and the original amount requested in November 2015 was \$200,000. The City of Jacksonville will contribute \$50,000 to the study.	\$200,000
Division 2 & 4 Pitt and Wilson Counties	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for modernization of 2 bridges on the Carolina Coastal Railway (CLNA) NS Branch rail corridor to improve safety and operating efficiency. The Department shall participate in 50% of the actual project costs not to exceed \$56,000.	\$56,000
Division 6 Columbus County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for modernization of 3 bridges and track surfacing on the RJ Corman rail corridor to enhance improve safety and operating efficiency. The Department shall participate in 50% of the actual project costs not to exceed \$420,000.	\$420,000
Division 8 & 10 Montgomery, Moore and Anson Counties	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for modernization of 4 bridges on the Aberdeen Carolina & Western Railway (ACWR) rail corridor to improve safety and operating efficiency. The Department shall participate in 50% of the actual project costs not to exceed \$222,500.	\$222,500
Division 11 Wilkes County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for modernization of a bridge on the Yadkin Valley Railway (YVRR) K Branch rail	\$60,000

corridor to improve safety and operating efficiency. The Department shall participate in 50% of the actual project costs not to exceed \$60,000.

Division 13 & 14  
Buncombe,  
Haywood and  
Jackson  
Counties

The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for modernization of 8 bridges on the Blue Ridge Southern Railroad (BLU) T Branch rail corridor to improve safety and operating efficiency. The Department shall participate in 50% of the actual project costs not to exceed \$75,000.

\$75,000

**ITEM I-2 SUMMARY – 7 PROJECTS – (TOTAL FEDERAL AND STATE) \$1,218,500**

**NCDOT February 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 February 4, 2016 Board of Transportation meeting.

**ITEM I-3 SUMMARY – NO PROJECTS**

## NCDOT February 2016 Board of Transportation Agenda

### Aviation Program

<b>Division Airport</b>	<b>Project Title Project Description [Partner Connect #]</b>	<b>Estimated Cost</b>
Division 2 Kinston Regional	<b>RELOCATE ELECTRICAL VAULT AND AIRFIELD LIGHTING IMPROVEMENTS (DESIGN)</b> This project includes the study and evaluation of the electrical system that supports the airfield lighting and signage system for the runway [3480]	\$166,486

**ITEM I-4 SUMMARY – 1 PROJECT - (TOTAL STATE, FEDERAL AND LOCAL COST) \$166,486**  
Estimated costs are shown; only eligible costs within the project scope of work will be reimbursed.

**NCDOT February 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
Carrboro/ Orange Co. Div. 7 U-2803 DIVISION	WBS 34860.3.1 SR 1919 (Smith Level Road) from Rock Haven Road to Bridge No. 88 over Morgan Creek in Carrboro. \$5,539,911.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$190,000.00
Alleghany Co. Div. 11 R-4060 DIVISION	WBS 34605.1.2 US 21 (Sparta Western Loop) from SR 1172 (Grandview Drive) to US 21. \$984,771.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$135,000.00
Wilkes Co. Div. 11 R-3405 DIVISION/ REGIONAL	WBS 35579.3.1 NC 18 from SR 1002 (Mountain View Road) to SR 1717 (Yellow Banks Road). \$10,079,397.00 has previously been approved for construction. Additional funds are requested using Regional Tier funding. <b>This is a Strategic Transportation Investments Transition project.</b>	\$1,500,000.00
Henderson Co. Div. 14 R-5207B DIVISION	WBS 45393.3.3 SR 1006 (Howard Gap Road) from bridge 20 (B-3662) to SR 1539 (Jackson Road). \$11,406,352.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$150,000.00
Jackson Co. Div. 14 R-5000 DIVISION	WBS 41156.3.1 New location connector from NC 116 to NC 107 in Webster. \$15,939,043.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$570,000.00

**NCDOT February 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)**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Statewide M-0376 <b>STATEWIDE/ REGIONAL</b>	WBS 39406.1.2 Geotechnical investigations, studies and preliminary engineering for miscellaneous projects, statewide. \$291,900.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. Additional funds are requested using Regional Tier funding.	\$155,000.00
<b>ITEM J SUMMARY</b>	<b>6 PROJECTS</b>	<b>\$2,700,000.00</b>

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

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Onslow Co. Div. 3 U-5719 STATEWIDE	WBS 50117.1.2 US 258 (Richlands Highway) at SR 1219 (Blue Creek Road)/SR 1396 (Ridge Road). Initial funds are requested for preliminary engineering.	\$375,000.00
Johnston Co. Div. 4 R-5769 DIVISION	WBS 46448.1.1 SR 1913 (Gordon Road) from US 70 Business to proposed NOVO Nordisk facility. Various roadway improvements including new access road. Initial funds are requested for preliminary engineering.	\$650,000.00
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). Initial funds are needed for utilities.	\$800,000.00
Cherokee Co. Div. 14 R-3622B REGIONAL	WBS 38068.2.R3 NC 294 from SR 1130 (Sunny Point Road) to SR 1312 (Bear Paw Road). \$1,520,000.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project</b>	\$125,000.00
Haywood Co. Div. 14 U-5888 DIVISION	WBS 44625.1.1 Intersection of US 23 Business (North Main Street) and Walnut Street. Initial funds are requested for preliminary engineering.	\$125,000.00

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Henderson Co. Div. 14 U-5887 DIVISION	WBS 44634.1.1 SR 1783 (Highland Lake Road) from NC 225 to US 176. Initial funds are requested for preliminary engineering.	\$270,000.00
Transylvania Co. Div. 14 R-5605 DIVISION	WBS 43587.3.1 Davidson River Village Connector from US 64/US 276 to US 64, City of Brevard. Initial funds are requested for construction.	\$10,500,000.00
Transylvania Co. Div. 14 R-5763 DIVISION	WBS 44638.1.1 SR 1540 (Wilson Road) from SR 1504 (Old US 64) to US 276. Initial funds are requested for preliminary engineering.	\$1,210,000.00
Transylvania Co. Div. 14 R-5764 DIVISION	WBS 44635.1.1 SR 1546 (Neely Road) from SR 1504 (Old US 64) to SR 1544 (French Broad Street). Initial funds are requested for preliminary engineering.	\$240,000.00
Transylvania Co. Div. 14 R-5765 DIVISION	WBS 44636.1.1 SR 1116 (North Country Club Road) from Brevard City Limit to US 64. Initial funds are requested for preliminary engineering.	\$300,000.00

STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$375,000.00
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	2 PROJECTS	\$925,000.00
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	7 PROJECTS	\$13,295,000.00
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>10 PROJECTS</b>	<b>\$14,595,000.00</b>

February 4, 2016

**NCDOT February 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.**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Dunn/ Harnett Co. Div. 6 SS-4906BQ	WBS 43698.2.1 US 421 (Cumberland Street) at Dunn-Erwin Road/Broad Street. \$29,112.19.00 in right of way and utilities funds has previously been approved for traffic signal revisions. Additional funds are needed due to an increase in right of way and utilities costs. File 06-12-17308-1	\$2,134.00
Statewide SS-4915B	WBS 44675.3.1 Statewide - Wrong Way Driver Safety Initiative. Initial construction funds are needed for wrong way driver safety improvements.	\$250,000.00
<b>ITEM L SUMMARY</b>	<b>2 PROJECTS</b>	<b>\$252,134.00</b>

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wayne Co. Div. 4 R-2554A STATEWIDE	WBS 34461.3.4 US 70 (Goldsboro Bypass) from west of NC 581 to SR 1300 (Salem Church Rd.), 5.894 miles. \$68,189,491.00 has previously been approved for construction. Additional funds are requested. <b>This is a Strategic Transportation Investments Transition project.</b>	\$750,000.00
<b>TRUST FUND INTRASTATE SUMMARY</b>	<b>1 PROJECT</b>	<b>\$750,000.00</b>

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Greensboro/ Guilford Co. Div. 7 U-2525C STATEWIDE	WBS 34821.1.5 Greensboro Eastern Loop from US 29 north of Greensboro to SR 2303 (Lawndale Drive). \$450,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$140,000.00
Winston- Salem/ Forsyth Co. Div. 9 U-2579 STATEWIDE	WBS 34839.1.1 The Winston-Salem Northern Beltway (Eastern Section) from US 52 to US 311. \$18,418,564.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$120,000.00
<b>TRUST FUND URBAN LOOP</b>	<b>2 PROJECTS</b>	<b>\$260,000.00</b>
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>10 PROJECTS</b>	<b>\$14,595,000.00</b>
<b>TRUST FUND INTRASTATE SUMMARY</b>	<b>1 PROJECT</b>	<b>\$750,000.00</b>
<b>TRUST FUND URBAN LOOP</b>	<b>2 PROJECTS</b>	<b>\$260,000.00</b>
<b>SUMMARY OF FUNDS</b>	<b>13 PROJECTS</b>	<b>\$15,605,000.00</b>

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

**February 4, 2016**

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

**Division 2**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Carteret Co. W-5319 STATEWIDE	46142.3.2, HSIP-0070(137) US 70 from west of Willis Road to Banks Street. Funds are needed for construction to upgrade traffic signals.	\$1,000,000.00 Cost \$900,000.00 Fed. \$100,000.00 State

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

**Division 3**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Pender Co. I-5722 STATEWIDE	53003.3.1, NHPP-0040(016)393 I-40 west of SR 1318 (Camp Kirkwood Road) to east of NC 210, 15.200 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published January 4, 2016.	\$12,090,000.00 Cost \$9,672,000.00 Fed. \$2,418,000.00 State

**Urban**

Wilmington/ New Hanover Co. U-5534Q DIVISION	44096.1.18, STPDA-0332(061) Pedestrian crossings on South College Road and crossings on Holly Tree Road. Funds are needed for preliminary engineering.	\$56,000.00 Cost \$44,800.00 Fed. \$11,200.00 Local
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Halifax Co./ Nash Co. I-5724 STATEWIDE	52002.3.1, NHPP-0095(023)152 I-95 from Nash County Line to SR 1226 (Bellamy Lake Road). Combined with I-5726; I-95 from SR 1524 (Red Oak-Battleboro Road), (Milepost 143) to the Halifax County Line, (Milepost 150.9), 2.300 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published January 4, 2016.	\$5,050,000.00 Cost \$4,040,000.00 Fed. \$1,010,000.00 State
Wilson Co. I-5727 STATEWIDE	52005.3.1, NHPP-0095(022)124 I-95 south of SR 1116 (Governor Hunt Road) (Milepost 114.5) to north of SR 1309 (Bloomery Road) (Milepost 123.7). Combined with I-5842; I-95 from 0.7 mile north of SR 1309 (Bloomery Road) to the Nash County Line, 8.700 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published January 4, 2016,	\$8,750,000.00 Cost \$7,000,000.00 Fed. \$1,750,000.00 State

**Enhancement**

Johnston Co. E-5503 DIVISION	50073.3.F1, STPE-000S(746) Bentonville Battlefield. Installation of three visitor tour stops with wayside exhibits. \$95,000.00 has previously been approved for construction. Funds need to be increased \$5,000 based on the latest estimate.	\$5,000.00 Cost \$5,000.00 Fed.
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**Safety**

Edgecombe Co. W-5601DN REGIONAL	50138.1.119, HSIP-0111(022) NC 111 / 122 between 0.18 mile south of SR 1006 (Bullock School Road) and 0.32 mile north of SR 1006 (Bullock School Road). Funds are needed for preliminary engineering.	\$85,000.00 Cost \$76,500.00 Fed. \$8,500.00 State
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Johnston Co. W-5601DO REGIONAL	50138.1.120, HSIP-0301(037) US 301 between US 70 in Selma and US 70 Business (Market Street) in Smithfield. Funds are needed for preliminary engineering.	\$85,000.00 Cost \$76,500.00 Fed. \$8,500.00 State
Johnston Co. W-5601DP DIVISION	50138.1.121, HSIP-1003(148) SR 1003 (Buffalo Road) between SR 1702 (Archer Lodge Road) and the Wake County Line. Funds are needed for preliminary engineering.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State
Johnston Co. W-5601DR DIVISION	50138.1.123, HSIP-1700(020) SR 1700 (Covered Bridge Road) between 0.1 miles east of and 0.1 mile west of SR 1003 (Buffalo Road). Funds are needed for preliminary engineering.	\$65,000.00 Cost \$58,500.00 Fed. \$6,500.00 State
Johnston Co. W-5601DS DIVISION	50138.1.124, HSIP-1700(019) SR 1700 (Covered Bridge Road) between 0.1 mile west of SR 1703 (South Murphy Road) and 250 feet east of SR 1702 (Archer Lodge Road). Funds are needed for preliminary engineering.	\$75,000.00 Cost \$67,500.00 Fed. \$7,500.00 State

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

**Division 4 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wilson Co. W-5601DQ REGIONAL	50138.1.122, HSIP-0264(061) US 264 Alternate (Raleigh Road Parkway) at Hayes Place and median crossover 900 feet west of Lamm Road. Funds are needed for preliminary engineering.	\$80,000.00 Cost \$72,000.00 Fed. \$8,000.00 State

**Bicycle and Pedestrian**

Wayne Co. EB-5508 DIVISION	50024.3.FD1, STPEB-1003(136) SR 1003 (New Hope Road). \$525,000 has previously been approved for construction. Additional funds are needed based on the latest estimate. <b>This is a Strategic Transportation Investments Transition project.</b>	\$300,000.00 Cost \$240,000.00 Fed. \$60,000.00 State
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. C-4924A EXEMPT	44024.1.1, CMS-000S(453) Triangle J. Council of Governments - Develop flexible work schedules for employees in the Capital Area MPO (CAMPO) and Durham, Chapel Hill, Carrboro (DCHC). \$4,179,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$715,000.00 Cost \$572,000.00 Fed. \$143,000.00 Local
Wake Co. C-4924B EXEMPT	44024.1.3, CMS-000S(801) Triangle J. Council of Governments - Develop Flexible work schedules for employees in Durham, Chapel Hill, Carrboro (DCHC). \$385,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$572,500.00 Cost \$458,000.00 Fed. \$114,500.00 Local

**Urban**

Durham Co. U-4727 DIVISION	37705.1.3, TIGER-0505(070) Duke Beltline Trail Master Plan (Tiger Grant). Funds are needed for preliminary engineering.	\$278,375.00 Cost \$222,700.00 Fed. \$55,675.00 Local
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**Safety**

Wake Co. W-5601DI DIVISION	50138.3.114, HSIP-1006(046) SR 1006 (Old Stage Road) near Waterville Street. Funds are needed for construction to re-align curve.	\$525,000.00 Cost \$472,500.00 Fed. \$52,500.00 State
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 6**

**National Highway**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Columbus Co. R-5020B DIVISION	41499.1.3, NHP-0701(033) US 701 Bypass (Madison Street - Powell Boulevard) from SR 1437 (Virgil Avenue) to US 74 / 76. Funds are needed for preliminary engineering.	\$300,000.00 Cost \$240,000.00 Fed. \$60,000.00 State
Cumberland Co. X-0002F STATEWIDE	35196.1.13, NHP-0295(003) ITS for Fayetteville Outer Loop addition of NC 295 (Future I-295). Funds are needed for preliminary engineering. <b>This is a Strategic Transportation Investments Transition project.</b>	\$150,000.00 Cost \$120,000.00 Fed. \$30,000.00 State

**Bridge**

Harnett Co. B-5339 DIVISION	46053.1.1, NHP-1544(007) Replace Bridge #233 over Black River Tributary on SR 1544. Funds are needed for preliminary engineering.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State
Harnett Co. B-5414 DIVISION	55044.1.1, NHP-1234(002) Replace Bridge #195 over Branch of Upper Little River on SR 1234. Funds are needed for preliminary engineering.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State

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

**Division 6 (Continued)**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Robeson Co. B-5693 DIVISION	45647.1.1, NHP-1924(005) Replace Bridge #59 over Big Marsh Swamp on SR 1924. Funds are needed for preliminary engineering.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State

**Safety**

Columbus Co. W-5518 STATEWIDE	43741.3.FS1, HSIP-0074(155) Construct an overpass at SR 1574(Old US 74) over US 74, 0.460 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published January 4, 2016.	\$4,000,000.00 Cost \$3,600,000.00 Fed. \$400,000.00 State
Harnett Co. W-5601DM DIVISION	50138.1.118, HSIP-1500(010) SR 1500 (Benson Road) at SR 1546 (Young Road). Funds are needed for preliminary engineering.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State
Robeson Co. Z-5400FZ REGIONAL	43600.1.76, RR-0072(008) Railway-Highway Grade Crossing Safety Project at NC 72; Crossing #629 593L near Pembroke. Funds are needed for preliminary engineering.	\$58,000.00 Cost \$52,200.00 Fed. \$5,800.00 State

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

**Division 6 (Continued)**

**Rail Program**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Robeson Co. Z-5400FT REGIONAL	43600.1.82, RR-0711(017) Railway-Highway Grade Crossing Safety Project at NC 711 (Third Street); Railroad Crossing #629 601B in Pembroke. Funds are needed for preliminary engineering.	\$86,000.00 Cost \$77,400.00 Fed. \$8,600.00 State

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

**Division 7**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Orange Co. U-5549 DIVISION	50153.3.F1, STPDA-0711(016) Downtown access improvements in Hillsborough. Funds are needed for construction for intersection improvements.	\$156,250.00 Cost \$125,000.00 Fed. \$31,250.00 Local

**Safety**

Guilford Co. Z-5400GP DIVISION	43600.1.77, RR-3380(001) Railway-Highway Grade Crossing Safety Project at SR 3380 (Ledbetter Road); Crossing #720 931C near Climax. Funds are needed for preliminary engineering.	\$45,000.00 Cost \$40,500.00 Fed. \$4,500.00 State
Orange Co. Durham Co. Alamance Co. W-5601DJ STATEWIDE	50138.3.115, HSIP-0040(034) I-40 at various locations in Orange, Durham and Alamance Counties. Funds are needed for construction to upgrade guardrail end units.	\$170,000.00 Cost \$153,000.00 Fed. \$17,000.00 State
Orange Co. Z-5400GR DIVISION	43600.1.78, RR-1713(006) Railway-Highway Grade Crossing Safety Project at SR 1713 (Mount Hermon Church Road); Crossing #735 192B near Hillsborough. Funds are needed for preliminary engineering.	\$52,000.00 Cost \$46,800.00 Fed. \$5,200.00 State

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

**Division 7 (Continued)**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. EB-5517 DIVISION	50033.3.1, STPEB-0710(031) High Point/Jamestown. Pedestrian bridge over East Fork of Deep River. Funds are needed for construction of pedestrian bridge.	\$1,200,000.00 Cost \$960,000.00 Fed. \$240,000.00 State

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

**Division 8**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Chatham Co. B-4461 DIVISION	33712.2.FD1, BRSTP-1916(006) Replace Bridge #10 over Shaddox Creek on SR 1916. \$165,057.00 has previously been approved for right of way and utilities. Additional funds are needed for the relocation of facilities.	\$300,000.00 Cost \$240,000.00 Fed. \$60,000.00 State

**Safety**

Chatham Co. SR-5001CF DIVISION	40924.3.F82, SRS-0839(008) Safe Routes to School. Greenhill Drive along South 2nd Avenue serving Chatham Middle School in the Town of Siler City. Funds are needed for construction to install sidewalks, curb and gutter, and handicap ramps.	\$500,000.00 Cost \$500,000.00 Fed.
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 9**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Davidson Co. I-5740 STATEWIDE	52021.3.1, NHPP-0085(024) I-85 from 1.7 miles north of SR 2205 (Old US 64) to 0.3 miles north of US 64. Funds are needed for construction for pavement rehabilitation.	\$1,648,000.00 Cost \$1,318,400.00 Fed. \$329,600.00 State
Davie/Forsyth Cos. I-0911A STATEWIDE	34147.1.2, NHIMF-40-3(112)180 I-40 from 0.3 mile west of NC 801 in Davie County to 0.3 mile west of SR 1101 (Harper Road / Tanglewood Park Business Road) in Forsyth County. \$1,550,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$600,000.00 Cost \$480,000.00 Fed. \$120,000.00 State
Rowan Co. I-5741 STATEWIDE	52022.3.1, NHPP-0085(022) I-85 from US 601 to 0.5 miles south of US 52 in Salisbury, 1.000 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published January 4, 2016.	\$2,271,000.00 Cost \$1,816,800.00 Fed. \$454,200.00 State

**Safety**

Forsyth Co. W-5510 DIVISION	50080.2.FD1, HSIP-4315(002) SR 4315 (South Main Street) and SR 2648 (Old Winston Road). \$500,000.00 has previously been approved for right of way and utilities. Additional funds are needed based on the latest estimate.	\$350,000.00 Cost \$315,000.00 Fed. \$35,000.00 State
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 9 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Forsyth Co. W-5601AM DIVISION	50138.2.40, HSIP-2021(002) SR 2021 (Dobson / Kerner Roads) at SR 2024 (Old Valley School Road) in Kernersville. Funds are needed for full right of way and utilities.	\$300,000.00 Cost \$270,000.00 Fed. \$30,000.00 State
Rowan Co. W-5601DY REGIONAL	50138.1.127, HSIP-0150(039) NC 150 at SR 1547 (Graham / Caldwell Road). Funds are needed for preliminary engineering.	\$100,000.00 Cost \$90,000.00 Fed. \$10,000.00 State
Rowan Co. W-5601DZ DIVISION	50138.1.128, HSIP-1007(036) SR 1007 (Jake Alexander Boulevard) at Morlan Park Road. Funds are needed for preliminary engineering.	\$100,000.00 Cost \$90,000.00 Fed. \$10,000.00 State

**Rail Program**

Davidson Co. Z-5400IA DIVISION	43600.3.44, STPRR-3262(002) Railway-Highway Grade Crossing Safety Project at the intersection of SR 3262 (Welcome Center Boulevard) and the Winston-Salem Southbound Railway Tracks; Crossing #902 846M in Welcome. Funds are needed for construction to install gates and flashers.	\$310,000.00 Cost \$279,000.00 Fed. \$31,000.00 State
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 9 (Continued)**

**Rail Program**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Davidson Co. Z-5400II DIVISION	43600.1.79, RR-2165(002) Railway-Highway Grade Crossing Safety Project at SR 2165 (Turner Street); Railroad Crossing #722 327S in Thomasville. Funds are needed for preliminary engineering.	\$63,000.00 Cost \$56,700.00 Fed. \$6,300.00 State
Forsyth Co. Z-5400IJ DIVISION	43600.1.80, RR-1979(001) Railway-Highway Grade Crossing Safety Project at SR 1979 (Grubbs Road); Railroad Crossing #470 193W near Walkertown. Funds are needed for preliminary engineering.	\$41,000.00 Cost \$36,900.00 Fed. \$4,100.00 State

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

**Division 10**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. R-4902(L) DIVISION	39929.3.3, IMNHF-0485(034) I-485 from I-77 to Rea Road (SR 3624) south of Charlotte. Funds are needed for construction for landscaping. <b>This is a Strategic Transportation Investments Transition project.</b>	\$375,000.00 Cost \$300,000.00 Fed. \$75,000.00 State

**Bridge**

Mecklenburg Co. B-5242 DIVISION	42844.2.FD1, BRZ-1003(120) Replace Bridge #376 on Barringer Drive over Irwin Creek. Funds are needed for full right of way and utilities.	\$60,000.00 Cost \$48,000.00 Fed. \$12,000.00 Local
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**Safety**

Cabarrus Co./ Stanly Co./ Mecklenburg Co. W-5601DL STATEWIDE	50138.3.117, HSIP-0085(021) I-85 in Cabarrus and Mecklenburg Counties, I-77 and I-277 in Mecklenburg County, and US 52 in Stanly County. Funds are needed for construction to upgrade guardrail at various locations.	\$250,000.00 Cost \$225,000.00 Fed. \$25,000.00 State
Cabarrus Co. W-5601EB STATEWIDE	50138.1.129, HSIP-0049(035) NC 49 at SR 1157 (Old Charlotte Road) near Concord. Funds are needed for preliminary engineering.	\$150,000.00 Cost \$135,000.00 Fed. \$15,000.00 State

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

**Division 10 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cabarrus Co. W-5601ED REGIONAL	50138.1.132, HSIP-0003(010) NC 3 ( Mooresville Road ) at SR 1616 ( Tuckaseegee Road / Rankin Road ) near Kannapolis. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Mecklenburg Co. W-5601EC DIVISION	50138.1.131, HSIP-1601(003) SR 1601 ( Moores Chapel Road ) at SR 1609 ( Rhyne Road ) near Charlotte. Funds are needed for preliminary engineering.	\$100,000.00 Cost \$90,000.00 Fed. \$10,000.00 State
Union Co. W-5601BH DIVISION	50138.2.61, HSIP-1008(024) SR 1008 ( Waxhaw Indian Trail Road ) to SR 1346 ( Beulah Church Road ) near Wesley Chapel. Funds are needed for full right of way and utilities.	\$100,000.00 Cost \$90,000.00 Fed. \$10,000.00 State
Union Co. W-5601EA STATEWIDE	50138.1.130, HSIP-1007(034) SR 1007 ( Rocky River Road ) between SR 1150 ( Old Waxhaw- Monroe Road ) and Jonathan Circle. Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State

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

**Division 10 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Union Co. Z-5400JN DIVISION	43600.1.81, RR-1728(007) Railway-Highway Grade Crossing Safety Project at SR 1728 (Clonnie Strawn Road); Crossing #631 768M near Marshville. Funds are needed for preliminary engineering.	\$52,000.00 Cost \$46,800.00 Fed. \$5,200.00 State

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

**Division 11**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Surry Co. B-5173 DIVISION	421330.3.FD1, BRZ-1328(006) Replace Bridge #39 over Mitchell River on SR 1328, 0.157 mile. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published January 4, 2016.	\$950,000.00 Cost \$760,000.00 Fed. \$190,000.00 State

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

**Division 12**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Iredell Co. B-5142 DIVISION	42303.2.FD1, BRZ-1302(041) Replace Bridge #57 over Cornelius Creek on SR 1302. \$300,000 has previously been approved for right of way and utilities. Additional funds are needed for utilities.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State

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

**Division 13**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Buncombe Co. I-5504 STATEWIDE	45552.2.GV1, IMF-026-1(191)47 I-26 at the NC 191 (Brevard Road Interchange), widen and reconstruct I-26 from east of NC 191 (Brevard Road) to east of Pond Road, 1.200 miles. Funds are needed for Right of Way based on the estimate from the 12-Month Tentative Letting List published January 4, 2016. This is a <b>GARVEE BOND</b> project with \$601,000.00 of Federal Funds in FFY16 through FFY30 and \$2,400,000.00 of State Match in FFY16.	\$11,415,000.00 Cost \$9,015,000.00 Fed. \$2,400,000.00 State
Buncombe Co. I-5504 STATEWIDE	45552.3.GV1, IMF-026-1(191)47 I-26 at the NC 191 (Brevard Road Interchange), widen and reconstruct I-26 from east of NC 191 (Brevard Road) to east of Pond Road, 1.200 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published January 4, 2016. This is a <b>GARVEE BOND</b> project with \$2,145,000.00 of Federal Funds in FFY16 through FFY30 and \$13,200,000.00 of State Match in FFY16.	\$62,175,000.00 Cost \$45,815,000.00 Fed. \$16,360,000.00 State

**Bridge**

Rutherford Co. B-5397 DIVISION	46112.2.1, BRZ-2213(002) Replace Bridge #51 over Floyd's Creek on SR 2213. Funds are needed for full right of way.	\$75,000.00 Cost \$60,000.00 Fed. \$15,000.00 State
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**Safety**

McDowell Co. W-5601DX STATEWIDE	50138.1.126, HSIP-0040(036) I-40 Westbound from mile marker 84 to mile marker 83, near Marion. Funds are needed for preliminary engineering.	\$40,000.00 Cost \$36,000.00 Fed. \$4,000.00 State
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**NCDOT February 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 13 (Continued)**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Asheville/ Buncombe Co. EB-5547 DIVISION	51045.1.F1, STPDA-1302(062) Flat Creek Greenway Trailhead near State Street and Charlotte Street to existing Riverside Greenway near Riverside Park and extension west of NC 9 in Asheville. Funds are needed for preliminary engineering.	\$128,000.00 Cost \$102,400.00 Fed. \$25,600.00 Local

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

**Division 14**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Transylvania Co. W-5601DU REGIONAL	50138.1.125, HSIP-0276(016) US 276 from the South Carolina State Line to SR 1118, (Gallimore Road), near Brevard. Funds are needed for preliminary engineering.	\$50,000.00 Cost \$45,000.00 Fed. \$5,000.00 State

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

**Statewide**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Moore Co. M-0414 DIVISION	42080.1.117, BRZ-NBIS(013) Re-inspection and structure analysis for bridges on non-federal aid system in Town of Brookford. Funds are needed for preliminary engineering.	\$2,650.00 Cost \$2,120.00 Fed. \$530.00 State

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

**ITEM M SUMMARY - 61 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$118,381,550.00**

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

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS

## DIVISION 3

U-5926	NEW ROUTE. SR 1302 (23RD STREET) TO 26TH	RIGHT-OF-WAY	FY 2017 -	\$225,000	(T)
NEW HANOVER	STREET. CONSTRUCT ROUTE ON NEW LOCATION.		FY 2017 -	\$225,000	(L)
PROJ.CATEGORY	ECONOMIC DEVELOPMENT PROJECT.	CONSTRUCTION	FY 2018 -	\$2,436,000	(T)
DIVISION	<u>ADD RIGHT-OF-WAY IN FY 17 AND CONSTRUCTION IN</u>		FY 2018 -	<u>\$2,436,000</u>	(L)
	<u>FY 18 NOT PREVIOUSLY PROGRAMMED. THIS IS AN</u>			\$5,322,000	
	<u>ECONOMIC DEVELOPMENT PROJECT.</u>				

## DIVISION 6

* U-5925	SR 1340(NORTH ODUM STREET/PROSPECT STREET),	RIGHT-OF-WAY	FY 2017 -	\$150,000	(T)
ROBESON	SR 1566 (CORINTH STREET) TO NC 711 (THIRD	UTILITIES	FY 2017 -	\$125,000	(T)
PROJ.CATEGORY	STREET). UPGRADE TO SUPERSTREET.	CONSTRUCTION	FY 2018 -	\$1,750,000	(HSIP)
DIVISION	<u>ADD RIGHT-OF-WAY IN FY 17 AND CONSTRUCTION IN</u>		FY 2018 -	<u>\$372,000</u>	(T)
	<u>FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT</u>			\$2,397,000	
	<u>PROGRAMMED DUE TO SUPPLEMENTAL SAFETY</u>				
	<u>FUND CONTRIBUTION.</u>				

## DIVISION 7

* EL-5104	DEEP RIVER GREENWAY, DEEP RIVER GREENWAY	CONSTRUCTION	FY 2016 -	\$1,236,000	(CMAQ)
GUILFORD	EXTENSION. GREENWAY TRAIL CONNECTING		FY 2016 -	<u>\$309,000</u>	(L)
PROJ.CATEGORY	UNIVERSITY PARK WITH PIEDMONT ENVIRONMENTAL			\$1,545,000	
EXEMPT	CENTER.				
	<u>PROJECT RE-ADDED FOR CONSTRUCTION IN FY 16 AT</u>				
	<u>REQUEST OF MPO AND TRANSPORTATION PLANNING</u>				
	<u>BRANCH.</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS

## DIVISION 12

* U-5924	VARIOUS, GREATER HICKORY METROPOLITAN	ENGINEERING	FY 2016 -	\$100,000	(STPDA)
CALDWELL	PLANNING ORGANIZATION (MPO) PLANNING (PL)		FY 2016 -	\$25,000	(L)
ALEXANDER	SUPPLEMENT.		FY 2017 -	\$100,000	(STPDA)
BURKE	<u>ADD ENGINEERING IN FY 16 THROUGH FY 25 NOT</u>		FY 2017 -	\$25,000	(L)
CATAWBA	<u>PREVIOUSLY PROGRAMMED.</u>		FY 2018 -	\$100,000	(STPDA)
PROJ.CATEGORY			FY 2018 -	\$25,000	(L)
DIVISION			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)
			FY 2022 -	\$100,000	(STPDA)
			FY 2022 -	\$25,000	(L)
			FY 2023 -	\$100,000	(STPDA)
			FY 2023 -	\$25,000	(L)
			FY 2024 -	\$100,000	(STPDA)
			FY 2024 -	\$25,000	(L)
			FY 2025 -	\$100,000	(STPDA)
			FY 2025 -	\$25,000	(L)
				\$1,250,000	

## STIP MODIFICATIONS

## DIVISION 1

* I-5839	I-95, HALIFAX COUNTY LINE (MILE POST 173.9) TO SR	CONSTRUCTION	FY 2017 -	\$2,100,000	(NHPIM)
NORTHAMPTON	1201 (MACON PRICE RD) (MILE POST 178.5).			\$2,100,000	
PROJ.CATEGORY	PAVEMENT REHABILITATION.				
STATEWIDE	<u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 17.</u>				

## DIVISION 4

I-5781	I-40, SR 1010 (CLEVELAND ROAD) TO WEST OF SR 1211	CONSTRUCTION	FY 2018 -	\$6,550,000	(NHPIM)
JOHNSTON	(MORGAN ROAD). PAVEMENT REHABILITATION.			\$6,550,000	
PROJ.CATEGORY	<u>SCOPE CHANGED TO INCLUDE ADJACENT STIP</u>				
STATEWIDE	<u>PROJECTS I-5782 AND I-5817 TO BETTER</u>				
	<u>COORDINATE CONSTRUCTION.</u>				

* I-5841	I-95, SR 1745 (BEND OF THE RIVER ROAD) (MILE POST	CONSTRUCTION	FY 2017 -	\$2,500,000	(NHPIM)
NASH	128.5) TO 1 MILE NORTH OF NC 58 (MILE POST 131.1).			\$2,500,000	
PROJ.CATEGORY	PAVEMENT REHABILITATION.				
STATEWIDE	<u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 17.</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 4

* I-5842 WILSON PROJ.CATEGORY STATEWIDE	I-95, NORTH OF SR 1309 (BLOOMERY ROAD) (MILE POST 123.7) TO NASH COUNTY LINE (MILE POST 124.6). PAVEMENT REHABILITATION. <u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 16 TO COORDINATE WITH ADJACENT PROJECT I-5727.</u>	CONSTRUCTION	FY 2016 -	<u>\$750,000</u>	(NHPIM)
				\$750,000	

U-3330 NASH PROJ.CATEGORY REGIONAL	US 301 BYPASS, NC 43/NC 48 (BENVENUE ROAD) TO SR 1836 (MAY DRIVE) IN ROCKY MOUNT. ADD AN ADDITIONAL LANE IN EACH DIRECTION. <u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17. PROJECT WILL BE READY AHEAD OF SCHEDULE FOR CONSTRUCTION.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2017 - FY 2018 - FY 2019 -	\$3,562,000 \$8,500,000 \$8,500,000 \$8,500,000	(NHP) (NHP) (NHP) (NHP)
				\$29,062,000	

## DIVISION 5

B-4943 DURHAM PROJ.CATEGORY DIVISION	SR 1616 (BAHAMA ROAD), REPLACE BRIDGE 310020 OVER DIAL CREEK (LAKE MICHIE). <u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 17 TO FY 18 TO ALLOW ADDITIONAL TIME TO COMPLETE FLOOD STUDY AND SELECT ENGINEERING FIRM.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2017 - FY 2017 - FY 2018 -	\$40,000 \$66,000 <u>\$700,000</u>	(STPOFF) (STPOFF) (STPOFF)
				\$806,000	

* R-5705C WAKE PROJ.CATEGORY REGIONAL	NC 55, SOUTH OF SR 2791 (KENNEBEC CHURCH ROAD) TO SR 4809 (JICARILLA LANE) <u>ADDITIONAL PROJECT SEGMENT PROGRAMMED DUE TO ADDITIONAL REVENUE (HB 97) [NOTE: PROJECT INADVERTENTLY OMITTED FROM DECEMBER HANDOUT.]</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2020 - FY 2020 - FY 2022 - FY 2023 -	\$3,957,000 \$475,000 \$11,541,000 <u>\$11,540,000</u>	(T) (T) (T) (T)
				\$27,513,000	

## DIVISION 7

* C-5184 ORANGE PROJ.CATEGORY EXEMPT	RIVERWALK TRAIL, RIVERWALK TRAIL, PHASE III IN HILLSBOROUGH. CONSTRUCT A PAVED OFF-ROAD TAIL ALONG ENO RIVER CONNECTING RIVER PARK, GOLD PARK AND THE OCCONEECHEE MOUNTAIN STATE NATURAL AREA, AND CONSTRUCT SIDEWALK TO PROVIDE PEDESTRIAN AND BICYCLE CONNECTIONS TO THE GREENWAY. <u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 TO ALLOW MORE TIME FOR TOWN TO COMPLETE FINAL R/W PLANS</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2016 - FY 2016 - FY 2016 -	\$80,000 \$20,000 \$360,000 \$90,000	(CMAQ) (L) (CMAQ) (L)
				\$550,000	

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 7

I-5711	I-40 / I-85, SR 1007 (MEBANE-OAKS ROAD) IN MEBANE.	RIGHT-OF-WAY	FY 2019 -	\$9,100,000	(NHP)
ALAMANCE	INTERCHANGE IMPROVEMENTS.	UTILITIES	FY 2019 -	\$146,000	(NHP)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 20 TO FY 21 FOR</u>	CONSTRUCTION	FY 2021 -	<u>\$8,200,000</u>	(NHP)
STATEWIDE	<u>FUNDING BALANCE DUE TO INCREASED COST.</u>			\$17,446,000	

I-5712	I-40 / US 421, SR 1850 (SANDY RIDGE ROAD) IN	RIGHT-OF-WAY	FY 2019 -	\$7,700,000	(NHP)
GUILFORD	GREENSBORO. INTERCHANGE IMPROVEMENTS.	UTILITIES	FY 2019 -	\$200,000	(NHP)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 20 TO FY 21 FOR</u>	CONSTRUCTION	FY 2021 -	<u>\$7,800,000</u>	(NHP)
STATEWIDE	<u>FUNDING BALANCE DUE TO INCREASED COST.</u>			\$15,700,000	

## DIVISION 9

* B-5004	REYNOLDS PARK ROAD, REPLACE BRIDGE 330086	CONSTRUCTION	FY 2016 -	\$3,436,000	(STPOFF)
FORSYTH	OVER SALEM CREEK AND BRIDGE 330087 OVER		FY 2016 -	<u>\$859,000</u>	(L)
PROJ.CATEGORY	BRUSHY FORK CREEK IN WINSTON-SALEM.			\$4,295,000	
TRANSITION	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO</u>				
	<u>ALLOW MORE TIME FOR TOWN TO COMPLETE UTILITY</u>				
	<u>WORK AND ACQUIRE R/W.</u>				

* U-2827B	US 158 / US 421 / NC 150 / BUSINESS 40, WEST OF	RIGHT-OF-WAY	FY 2016 -	\$2,003,000	(HP)
FORSYTH	FOURTH STREET TO EAST OF CHURCH STREET		FY 2016 -	\$10,225,000	(NHP)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	UTILITIES	FY 2016 -	\$3,424,000	(NHP)
REGIONAL	<u>THRESHOLDS</u>	CONSTRUCTION	FY 2016 -	\$34,234,000	(NHP)
			FY 2017 -	\$34,233,000	(NHP)
			FY 2018 -	\$34,233,000	(NHP)
				\$118,352,000	

## DIVISION 10

C-4916C	OAKWOOD AVENUE, WINDSOR DRIVE TO ROGERS	RIGHT-OF-WAY	FY 2016 -	\$98,000	(CMAQ)
CABARRUS	LAKE ROAD. CONSTRUCT SIDEWALKS.		FY 2016 -	\$25,000	(L)
PROJ.CATEGORY	<u>INCREASE CONSTRUCTION FUNDING AT THE</u>	CONSTRUCTION	FY 2016 -	\$699,000	(CMAQ)
EXEMPT	<u>REQUEST OF THE CABARRUS-ROWAN MPO</u>		FY 2016 -	<u>\$175,000</u>	(L)
				\$997,000	

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 10

C-4918A	US 29, SR 1394 (POPLAR TENT ROAD). INTERSECTION	CONSTRUCTION	FY 2016 -	\$1,354,000	(CMAQ)
CABARRUS	IMPROVEMENTS		FY 2016 -	<u>\$338,000</u>	(L)
PROJ.CATEGORY	<u>INCREASE CONSTRUCTION FUNDING AT THE</u>				
EXEMPT	<u>REQUEST OF THE CABARRUS-ROWAN MPO.</u>			\$1,692,000	

C-5161	KANNAPOLIS, IRISH BUFFALO CREEK GREENWAY IN	ENGINEERING	FY 2016 -	\$117,000	(CMAQ)
CABARRUS	KANNAPOLIS. CONSTRUCT GREENWAY.		FY 2016 -	\$29,000	(L)
PROJ.CATEGORY	<u>INCREASE CONSTRUCTION FUNDING AT THE</u>	CONSTRUCTION	FY 2016 -	\$2,019,000	(CMAQ)
EXEMPT	<u>REQUEST OF THE CABARRUS-ROWAN MPO.</u>		FY 2016 -	<u>\$505,000</u>	(L)
				\$2,670,000	

R-5708	US 74, INTERSECTION OF US 74 AND SR 1714	RIGHT-OF-WAY	FY 2016 -	\$300,000	(T)
ANSON	(STANBACK FERRY ROAD). CONSTRUCT	CONSTRUCTION	FY 2017 -	<u>\$1,250,000</u>	(T)
PROJ.CATEGORY	INTERSECTION IMPROVEMENTS.			\$1,550,000	
REGIONAL	<u>RIGHT-OF-WAY ACCELERATED FROM FY 17 TO FY 16</u>				
	<u>AND CONSTRUCTION FROM FY 18 TO FY 17. PROJECT</u>				
	<u>ACCELERATED IN THE PROGRAM DUE TO</u>				
	<u>ADDITIONAL REVENUE (HB 97).</u>				

U-4714C	SR 1009 (JOHN STREET-OLD MONROE ROAD), SR 1008	RIGHT-OF-WAY	FY 2020 -	\$3,500,000	(STPDA)
UNION	(INDIAN TRAIL ROAD) TO SR 1377 (WESLEY CHAPEL-		FY 2020 -	\$10,000,000	(L)
PROJ.CATEGORY	STOUTS ROAD)		FY 2021 -	\$3,500,000	(STPDA)
DIVISION	<u>ACCELERATE CONSTRUCTION FROM UNFUNDED TO</u>	CONSTRUCTION	FY 2022 -	\$5,550,000	(STPDA)
	<u>FY 22. CHARLOTTE AREA REGIONAL</u>		FY 2022 -	\$1,400,000	(S(M))
	<u>TRANSPORTATION PLANNING ORGANIZATION HAS</u>		FY 2023 -	\$5,550,000	(STPDA)
	<u>ALLOCATED STP-DA FUNDS TO THE PROJECT.</u>		FY 2023 -	<u>\$1,400,000</u>	(S(M))
				\$30,900,000	

U-5762	NC 160 (STEELE CREEK ROAD), INTERSECTION OF NC	RIGHT-OF-WAY	FY 2017 -	\$315,000	(T)
MECKLENBURG	160 (STEELE CREEK ROAD) AND SR 1106 (HAMILTON	CONSTRUCTION	FY 2018 -	<u>\$1,300,000</u>	(T)
PROJ.CATEGORY	ROAD). INTERSECTION IMPROVEMENTS.			\$1,615,000	
REGIONAL	<u>RIGHT-OF-WAY ACCELERATED FROM FY 18 TO FY 17</u>				
	<u>AND CONSTRUCTION FROM FY 19 TO FY 18. PROJECT</u>				
	<u>ACCELERATED IN THE PROGRAM DUE TO</u>				
	<u>ADDITIONAL REVENUE (HB 97).</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 10

* U-5764	US 74, HANOVER DRIVE TO SR 1007 (ROCKY RIVER ROAD). WIDEN EXISTING ROADWAY.	RIGHT-OF-WAY	FY 2018 -	\$100,000	(T)
UNION		CONSTRUCTION	FY 2020 -	<u>\$21,500,000</u>	(T)
PROJ.CATEGORY				\$21,600,000	
REGIONAL	<u>RIGHT-OF-WAY ACCELERATED FROM FY 21 TO FY 18 AND CONSTRUCTION FROM FY 23 TO FY 20. PROJECT ACCELERATED DUE TO ADDITIONAL REVENUE (HB 97).</u>				

U-5804B	SR 3448 (SOUTH TRADE STREET), FOUR MILE CREEK TO WEDDINGTON ROAD.	RIGHT-OF-WAY	FY 2017 -	\$100,000	(T)
MECKLENBURG		CONSTRUCTION	FY 2017 -	<u>\$1,200,000</u>	(T)
PROJ.CATEGORY				\$1,300,000	
DIVISION	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>				

## DIVISION 12

* B-5844	SR 2245 (BETHLEHEM ROAD), REPLACE BRIDGE 220067 OVER BEASON CREEK.	RIGHT-OF-WAY	FY 2018 -	\$50,000	(STPOFF)
CLEVELAND		CONSTRUCTION	FY 2019 -	<u>\$900,000</u>	(STPOFF)
PROJ.CATEGORY				\$950,000	
DIVISION	<u>RIGHT OF WAY ACCELERATED FROM FY 20 TO FY 18 AND CONSTRUCTION FROM FY 21 TO FY 19. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>				

* B-5849	SR 1002 (NUMBER ONE SCHOOL ROAD), REPLACE BRIDGE 220104 OVER ASHWORTH CREEK.	RIGHT-OF-WAY	FY 2019 -	\$50,000	(STPOFF)
CLEVELAND		CONSTRUCTION	FY 2020 -	<u>\$960,000</u>	(STPOFF)
PROJ.CATEGORY				\$1,010,000	
DIVISION	<u>RIGHT OF WAY ACCELERATED FROM FY 22 TO FY 19 AND CONSTRUCTION FROM FY 23 TO FY 20. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>				

B-5853	SR 1168 (JOHNSTOWN ROAD), REPLACE BRIDGE 540071 OVER INDIAN CREEK.	RIGHT-OF-WAY	FY 2019 -	\$220,000	(HFB)
LINCOLN		CONSTRUCTION	FY 2020 -	<u>\$2,200,000</u>	(HFB)
PROJ.CATEGORY				\$2,420,000	
HWY FUNDS	<u>RIGHT OF WAY ACCELERATED FROM FY 21 TO FY 19 AND CONSTRUCTION FROM FY 22 TO FY 20. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>				

B-5858	SR 1607 (EASTRIDGE DRIVE), REPLACE BRIDGE 220392 OVER BUFFALO CREEK.	RIGHT-OF-WAY	FY 2020 -	\$110,000	(HFB)
CLEVELAND		CONSTRUCTION	FY 2021 -	<u>\$1,100,000</u>	(HFB)
PROJ.CATEGORY				\$1,210,000	
HWY FUNDS	<u>RIGHT OF WAY ACCELERATED FROM FY 22 TO FY 20 AND CONSTRUCTION FROM FY 23 TO FY 21. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 12

R-3603A	NC 127, SR 1400 (CLONINGER MILL ROAD) TO SR 1156	RIGHT-OF-WAY	FY 2021 -	\$1,000,000	(T)
ALEXANDER	(RICHEY ROAD).	CONSTRUCTION	FY 2023 -	\$13,650,000	(T)
CATAWBA	<u>PROJECT WAS PREVIOUSLY FUNDED IN THE DIVISION</u>		FY 2024 -	\$13,650,000	(T)
PROJ.CATEGORY	<u>CATEGORY. PROJECT HAS MOVED TO THE</u>			\$28,300,000	
REGIONAL	<u>REGIONAL CATEGORY DUE TO ADDITIONAL REVENUE</u>				
	<u>(HB 97).</u>				

## DIVISION 13

U-5836	NC 181, SR 1414 (ST MARY'S CHURCH ROAD) TO	RIGHT-OF-WAY	FY 2020 -	\$900,000	(T)
BURKE	MORGANTON ETJ. WIDEN EXISTING ROADWAY.	UTILITIES	FY 2020 -	\$100,000	(T)
PROJ.CATEGORY	<u>PROJECT WAS PREVIOUSLY FUNDED IN THE DIVISION</u>	CONSTRUCTION	FY 2022 -	\$9,700,000	(T)
REGIONAL	<u>CATEGORY. PROJECT HAS MOVED TO THE</u>			\$10,700,000	
	<u>REGIONAL CATEGORY DUE TO ADDITIONAL REVENUE</u>				
	<u>(HB 97).</u>				

## DIVISION 14

I-4729	I-26, US 74/NC 108 INTERCHANGE (EXIT 67). REVISE	RIGHT-OF-WAY	FY 2018 -	\$1,400,000	(T)
POLK	INTERCHANGE AND CONSTRUCT IMPROVEMENTS TO	CONSTRUCTION	FY 2020 -	\$22,800,000	(T)
PROJ.CATEGORY	NC 108.			\$24,200,000	
REGIONAL	<u>PROJECT WAS PREVIOUSLY FUNDED IN THE DIVISION</u>				
	<u>CATEGORY. PROJECT HAS MOVED TO THE</u>				
	<u>REGIONAL CATEGORY DUE TO ADDITIONAL REVENUE</u>				
	<u>(HB 97).</u>				

## STIP DELETIONS

## DIVISION 4

I-5782	I-40, 0.6 MILE EAST OF NC 242 (MILE POST 326) TO 0.3	CONSTRUCTION	FY 2018 -	\$850,000	(NHPIM)
JOHNSTON	MILE WEST OF SR 1211 (MORGAN ROAD). PAVEMENT			\$850,000	
PROJ.CATEGORY	REHABILITATION.				
STATEWIDE	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>				
	<u>PROJECT I-5781.</u>				
I-5817	I-40, NC 42 (MILE POST 312) TO 0.4 MILE EAST OF NC	CONSTRUCTION	FY 2019 -	\$760,000	(NHPIM)
JOHNSTON	210 (MILE POST 319). PAVEMENT REHABILITATION.			\$760,000	
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>				
STATEWIDE	<u>PROJECT I-5781.</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

## REVISIONS TO THE 2016-2025 STIP

## HIGHWAY PROGRAM

## STIP DELETIONS

## DIVISION 8

* B-5761	SR 2448 (ROUTH ROAD), REPLACE BRIDGE 750152	RIGHT-OF-WAY	FY 2023 -	\$35,000	(HFB)
RANDOLPH	OVER SANDY CREEK.	CONSTRUCTION	FY 2024 -	<u>\$350,000</u>	(HFB)
PROJ.CATEGORY	<u>DELETE, WORK WAS COMPLETED WITH FORCE</u>			\$385,000	
HWY FUNDS	<u>ACCOUNT FUNDS.</u>				

## DIVISION 14

* B-5904	SR 1619 (WILSON COVE ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2020 -	\$10,000	(STPOFF)
HAYWOOD	430241 OVER BEAVERDAM CREEK.	CONSTRUCTION	FY 2021 -	<u>\$250,000</u>	(STPOFF)
PROJ.CATEGORY	<u>DELETE, WORK WAS COMPLETED WITH OTHER</u>			\$260,000	
DIVISION	<u>FUNDS.</u>				

ITEM N SUMMARY

ADDITIONS	4 PROJECTS	\$10,514,000
MODIFICATIONS	27 PROJECTS	
DELETIONS	4 PROJECTS	\$2,255,000
	35 PROJECTS	\$8,259,000

\* INDICATES FEDERAL AMENDMENT

Thursday, February 04, 2016

NCDOT February 4, 2016 Board of Transportation Agenda

SUMMARY: There are a total of 29 Agreements for approval by the Board of Transportation.

Statewide

North Carolina Department of  
Natural and Cultural Resources  
(NCDNCR)

This Agreement is to provide support services for NCDNCR's users and normal maintenance of the Department's SAP™ system. The Department and Agency have agreed provide to up to seventy (70) SAP™ User Licenses within the Agency. The Agency shall provide payment for one hundred percent (100%) of the cost of the work performed by the Department. The estimated amount is \$36,135.

North Carolina Department of  
Public Safety  
(NCDPS)

This Agreement is to provide support services for NCDPS'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 one hundred percent (100%) of the cost of the work performed by the Department. The estimated amount is \$9,271.25.

North Carolina Department of  
Public Instruction  
(NCDPI)

This Agreement is to provide support services for NCDPI's users and normal maintenance of the Department's SAP™ System. The Department and Agency have agreed to provide up to four hundred thirty-nine (439) SAP™ User Licenses within the Agency. The Agency shall provide payment for one hundred percent (100%) of the cost of the work performed by the Department. The estimated amount is \$10,953.31.

North Carolina Department of  
Commerce  
(NCDCC)

This Agreement is to provide support services for NCDCC's users and normal maintenance of the Department's SAP™ System. The Department and Agency have agreed to provide up to one hundred and six (106) SAP™ User Licenses within the Agency. The Agency shall provide payment for one hundred percent (100%) of the cost of the work performed by the Department. The estimated amount is \$32,787.50.

North Carolina Department of  
Agriculture & Consumer Services  
(NCDACS)

This Agreement is to provide support services for NCDACS's users and normal maintenance of the Department's SAP™ System. The Department and Agency have agreed to provide up to four (4) SAP™ User Licenses within the Agency. The Agency shall provide payment for one hundred percent (100%) of the cost of the work performed by the Department. The estimated amount is \$25,000.

NCDOT February 4, 2016 Board of Transportation Agenda

Statewide, cont.

US Environmental Protection  
Agency (EPA)

This is a no cost amendment to the financial agreement with the EPA for the reimbursement of two (2) positions dedicated to Department projects. The amendment extends the budget period from January 1, 2013 to the completion date, September 30, 2017. There are no changes in the scope of work and the reimbursement amount.

Division 2

City of Greenville  
Pitt County  
EB-5539  
45529.1.1  
45529.2.1  
45529.3.1

This Project consists of the construction of a multi-use trail from the western terminus of the existing South Tar River Greenway at Pitt Street to Moye Boulevard, programmed under Project EB-5539. This Supplemental Agreement reduces the Project scope, extends the PS&E package delivery date and extends the Project completion date to 12/31/2017, in lieu of 1/1/2016.

City of Greenville  
Pitt County  
U-3315  
35781.1.2  
35781.2.1  
35781.3.FD1

This Project consists of construction of the Greenville Tenth Street Connector (SR 1598) from Dickinson Avenue to Stantonsburg Road at Memorial Drive in Greenville. This Supplemental Agreement is to expand the scope to include the addition of betterments as a result of the Municipality's request to connect the storm water outfalls to the drainage infrastructure along 9th Street and across 5th Street. This work will include replacing sidewalk, pavement, curb and gutter, crosswalk, and coating for poles and pedestals. The Municipality will reimburse the Department for actual project costs, which are currently estimated at \$2,273,951.82.

Division 5

City of Raleigh  
Wake County  
B-5121  
42263.1.1

This Project consists of replacement of Bridge No. 227 over Peace Street on US-70 Capital Boulevard and replacement of Bridge 213 over US 401 on US 70/NC 50. This Agreement is for a utility engineering firm to engineer the utility plans for the relocation of water and sewer lines in the Project. The Municipality shall be responsible for the actual project costs, which are currently estimated at \$69,391.90.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 7

City of Greensboro  
Guilford County  
U-5326  
45484.2.1  
45484.3.1

This Project consists of the construction of right turn lanes, additional left turn lanes and sidewalks within the project limits at Market Street and College Road intersection in Greensboro. This Supplemental Agreement is to add the construction phase to the Project. The Municipality is responsible for all phases of the Project. The Department shall participate in an amount not to exceed \$7,100,000 of State Funds. The Municipality will be responsible for providing all costs that exceed the total estimated cost of \$8,200,000.

City of Greensboro  
Guilford County  
U-2524D  
34820.1.2

This Project consists of the Greensboro Western Loop from US 220 (Battleground Avenue) to SR 2303 (Lawndale Drive). This Agreement provides for reimbursement to the Department for preparing the preliminary engineering design for the relocation of water and sewer lines as part of the Project. The Municipality shall be responsible for the preliminary engineering cost. The estimated cost to the Municipality is \$29,035.73.

City of Greensboro  
Guilford County  
U-2524D  
34820.3.GVS

This Project consists of the Greensboro Western Loop from US 220 (Battleground Avenue) to SR 2303 (Lawndale Drive). At the request of the Municipality, the Project will include the construction of betterments including sidewalk, and a decorative pavement crossing. The Municipality shall reimburse the Department the cost of the work. The estimated cost to the Municipality is \$13,862.

City of Greensboro  
Guilford County  
EB-5716  
50412.3.1

This Project consists of construction of sidewalk along the west side of Holden Road from Spring Garden Street to south of Meadowview Road and construction of sidewalk along the west side from Bessemer Avenue south to existing sidewalk north of Murrow Boulevard. The Municipality shall be responsible for all phases of the Project. The Department shall participate in an amount not to exceed \$424,000 (100%) in Safe Routes to School funds. The Municipality will be responsible for all costs that exceed the total estimated cost of \$424,000.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 7, cont.

City of Greensboro  
Guilford County  
7.1041SM  
7.2041SM

This Municipal Operations Agreement (Schedule D) provides for the operation of the computerized traffic signal system as indicated in the Agreement. The Municipality shall be responsible for timing plans, electric traffic signals and other traffic control devices on the State Highway System Streets located within the Municipality. The Department shall be invoiced for the approved cost of the traffic signal control system installation, maintenance, and administrative costs as per the Agreement.

City of High Point  
Guilford County  
7.1041SM  
7.2041SM

This Municipal Operations Agreement (Schedule D) provides for the operation of the computerized traffic signal system as indicated in the Agreement. The Municipality shall be responsible for timing plans, electric traffic signals and other traffic control devices on the State Highway System Streets located within the Municipality. The Department shall be invoiced for the approved cost of the traffic signal control system installation, maintenance, and administrative costs as per the Agreement.

Town of Carrboro  
Orange County  
C-5181  
46289.1.1  
46289.3.1  
46289.3.2

This Project consists of the construction of a 100 foot bridge and a paved trail to fill the gap between the Upper Bolin Trail and the Twin Creeks Greenway. Once the construction is completed the Municipality will implement a program to support non-vehicle trips to Morris Grove Elementary School. The Municipality is responsible for all phases of the Project. The Department shall participate in an amount not to exceed \$257,000 (80%) in CMAQ funds. The Municipality will be responsible for providing \$64,250 (20%) matching funds and all costs that exceed the total estimated cost of \$321,250.

Division 9

City of Salisbury  
Rowan County  
C-5160  
46225.1.F1  
46225.2.F1  
46225.3.F1

This Project consists of the construction of bike lanes and sidewalks on Newsome Road in Salisbury. This Supplemental Agreement is to provide additional funding in the amount of \$200,000 from CMAQ funds. The Municipality shall provide \$50,000 as the non-federal match.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 9, cont.

City of Winston-Salem  
Forsyth County  
U-2707  
34845.3.3

This Project consists of improvements to SR 3000 (Idols Road) from SR 2999 (Hampton Road) to US 158 (Clemmons Road). At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and relocate municipal water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated cost to the Municipality is \$207,344.72.

Division 10

City of Concord  
Cabarrus County  
C-4918A  
44018.1.1  
44018.2.1  
44018.3.F1

This Project consists of intersection improvements at Poplar Tent Rd and US 29. This Supplemental Agreement is to provide additional funding in the amount of \$692,000 from CMAQ funds. The Municipality shall provide \$173,000 as the non-federal match.

City of Kannapolis  
Cabarrus County  
C-4916C  
44016.1.F3  
44016.2.F3  
44016.3.F3

This Project consists of the construction of a sidewalk on Oakwood Avenue. This Supplemental Agreement is to provide additional funding in the amount of \$250,000 from CMAQ funds. The Municipality shall provide \$62,500 as the non-federal match.

City of Kannapolis  
Cabarrus County  
C-5161  
46226.1.F3  
46226.3.F3

This Project consists of the construction of the Irish Buffalo Creek Greenway. This Supplemental Agreement is to provide additional funding in the amount of \$464,000 from CMAQ funds. The Municipality shall provide \$116,000 as the non-federal match.

City of Concord  
Cabarrus County  
B-5123  
42265.3.1

This Project consists of replacement of Bridges 14 and 19 over Rocky River and access road on US 29 in Cabarrus County. At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated cost to the Municipality is \$240,000.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 10, cont.

Norfolk Southern Railway  
Company (NS)  
Mecklenburg County  
P-5705A

This Rail Agreement consists of the development and review of preliminary track and signal plans for the proposed Wye Connection Track at Charlotte Junction. The Department will prepare the track plans then submit those plans to NS for review and comment. NS shall prepare the signal plans. The Department will reimburse NS 100% of the cost for the work performed on the signal plans. The estimated cost to the Department is \$300,000.

Norfolk Southern Railway  
Company (NS)  
Mecklenburg County  
P-5705B

This Rail Agreement consists of the development and review of preliminary track, structures and signal plans for the proposed Charlotte Gateway Station. The Department will prepare the track and structure plans then submit those plans to NS for review and comment. NS will prepare the signal plans. The Department will reimburse NS 100% of the cost for the work performed on the signal plans. The estimated cost to the Department is \$300,000.

City of Charlotte  
Mecklenburg County  
P-5705

This Rail Agreement consists of the purchase and sale of property in the City of Charlotte known as the "main block" property. The Department is party to this agreement as owner/grantor. A Memorandum of Understanding between the City of Charlotte and NCDOT was approved by the North Carolina Board of Transportation and executed on May 26, 2015, and provides that the proceeds from this sale to be used for property acquisition and financing for the Charlotte Gateway Station projects.

City of Charlotte  
GLI Realty Company  
(d/b/a Greyhound)  
Mecklenburg County  
P-5705

This Memorandum of Understanding is a statement of intent wherein the Department and Greyhound consent to the terms of an agreement wherein the Department will agree to the purchase of property known as the Greyhound Bus Terminal property located at 601 West Trade Street, Charlotte, North Carolina and then lease the property to Greyhound on a temporary basis. Pursuant to this Memorandum of Understanding, the Municipality states its intent to lease a portion of the proposed Charlotte Gateway Station to Greyhound once it is built.

Division 11

Watauga County  
EB-5612  
56026.1.1  
56026.3.1

This Project consists of a 0.1 mile multi-use greenway underpass beneath Highway 421 in Watauga County. This Supplemental Agreement is to provide additional funding in the amount of \$30,000 from Transportation Enhancement Funds to include a 20% state match.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 13

Buncombe County  
EB-5774  
46407.1.1  
46407.2.1

This Project consists of construction of a multi-use path along NC 251 (Riverside Drive) from SR 1684 (Elk Mountain Road) to Exit 25 on US 19/23/70. The County is responsible for all phases of the Project. The Department shall reimburse 80% of approved eligible costs from STP-DA funding, not to exceed \$528,000. The County will be responsible for providing the \$132,000 (20%) non-federal match for the STP-DA funds authorized and all costs that exceed the total estimated cost of \$660,000.

City of Asheville  
Buncombe County  
U-5019C  
41503.2.3

This Project consists of the right of way acquisition for the River Arts District Transportation Improvement Project. This supplemental agreement is to modify the STIP Number and WBS Element, and to change the funding source from STP-DA and TAP funds to solely STP funds. The amount to be reimbursed, \$5,443,000, will not change. The Municipality shall provide a 20% match and all costs that exceed the total available funding.

NCDOT February 4, 2016 Board of Transportation Agenda

SUMMARY: There are a total of 24 Agreements for informational purposes only.

Division 1

Town of Columbia  
Tyrrell County  
44437

This Project consists of cleaning out the drainage canal running from US 64/Scuppernong Drive, under Railroad Street, terminating in Grindle Hill Canal. The Municipality shall reimburse (25%) \$6,250 for all work performed by the Department. The total estimated Project cost is \$31,500.

Town of Ahoskie  
Hertford 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.

County of Dare  
Dare County

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

Town of Kitty Hawk  
Dare 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.

Division 3

Town of Navassa  
Brunswick 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.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 5

Columbia Heritage, LLC  
Wake County  
17BP.5.R.47

This Project consists of additional work added to Design Build Project 17BP.5.47 associated with the Shoppes at Heritage development along Rogers Road. The Department is responsible for all phases of the work. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of all work performed by the Department. The estimated reimbursement is \$144,495.63.

Town of Cary  
Wake County  
U-5500  
45487.1.1

This Project consists of the environmental study and preliminary engineering for widening Green Level West Road from two lanes to four lanes, starting at NC 55 west to Green Level Church Road in Cary. This Supplemental Agreement extends the completion date for the Project to July 31, 2016 in lieu of June 30, 2015.

Raleigh Buffaloe Retail  
Investments, LLC  
Wake County  
36249.3582

This Project consists of review and inspection for a traffic signal upgrade at SR 2215 (Buffaloe Road) and SR 2036 (New Hope Road). The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

Wake County Board of  
Education  
Wake County  
36249.3583

This Project consists of review and inspection for a new traffic signal installation at SR 2517 (Rogers Lane) at Neuse View Drive and a traffic signal modification at SR 2697 (New Hope Road) at SR 2517 (Rogers Lane). The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

Wake County Board of  
Education  
36249.3587

This Project consists of review and inspection for a traffic signal upgrade at signal at the intersection of Hebron Church Road at White Oak Road. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

Wake County Board of  
Education  
36249.3588

This Project consists of review and inspection for traffic signals at Old US 1 at Humie Olive Road and at Evans Road at Humie Olive Road. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 5, cont.

Sheetz  
Wake County  
36249.3589

The Project consists of review and inspection for a traffic signal upgrade at Avent Ferry Road at Piney Grove-Wilbon/Paddock View Drive. The Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

City of Durham  
Durham County  
U-3308  
34915.3.FR1

This Project consists of improvements on NC 55 (Alston Avenue) from NC 147 (Buck Dean Freeway) to north of US 70 Bus/NC 98 (Holloway Street) in Durham. This Supplemental Agreement is for municipal maintenance responsibilities on the section of the project from Main Street to US 70 Business/NC 98 (Holloway Street) to include restriping the two-lane section to four lanes when traffic volumes reach 20,000 vehicles per day. The Municipality will also be responsible for maintenance of the Pettigrew Street Bridge upon completion of the Project.

Division 6

City of Fayetteville  
Cumberland County  
W-5601DE  
50138.3.110

The Project consists of Pedestrian Safety Improvements on Cumberland Road (SR1141) from Ireland Drive (SR1219) to Boone Trail (SR1149) including sidewalk, crosswalks and pedestrian signals. The Department shall be responsible for all phases of the project. The Municipality shall maintain the sidewalk upon completion of the work.

City of Whiteville  
Columbus County

This Agreement provides for the serving of food and beverages on property within or adjacent to State right of way under legislation enacted by the North Carolina General Assembly. The Municipality shall administer a sidewalk dining ordinance and issue approval of permits allowing sidewalk dining in State right of way under the conditions and criteria required by the law.

Town of Angier  
Harnett 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.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 7

Town of Wentworth  
Rockingham County  
43658

This Project consists of sidewalk improvements on NC 65 from SR 2460 to approximately 350 feet southeast of SR 2460. The improvements include a mid-block crosswalk and appropriate signage. The Department shall be responsible for all phases of the project. The Municipality shall maintain the sidewalk upon completion of the work.

Division 8

Chatham-Siler City Advanced  
Manufacturing Site  
Chatham County  
36249.3585

This Project consists of design plan review for the Chatham-Siler City Advanced Manufacturing Site in Randolph County. The Department will perform the plan review. The Developer shall reimburse the Department \$25,000 for the work.

Greensboro-Randolph Mega  
Site  
Randolph County  
36249.3584

This Project consists of design plan review for the Greensboro-Randolph Mega Site in Randolph County. The Department will perform the plan review. The Developer shall reimburse the Department \$25,000 for the work.

Division 10

Central Piedmont Community  
College  
Mecklenburg County  
R-3329  
34533.5.TA9

This Project consists of the design and construction of a left turn lane on SR 3440 (McKee Road Extension) to tie in with SR 5704 (Matthews-Indian Trail Road). The Department shall be responsible for all phases of the project. Central Carolina Community College (CPCC) shall participate in the construction costs of the project in the amount of \$33,000.

Town of Huntersville  
Mecklenburg 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.

GRDI, LLC  
Cabarrus County  
36249.3586

This Project consists of traffic signal review and inspection for the 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 Developer shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$5,000.

NCDOT February 4, 2016 Board of Transportation Agenda

Division 11

Town of Dobson  
Surry County  
36249.3581

This Agreement is to provide de-icing salt and salt brine solution to the Municipality for the safe and efficient utilization of transportation systems in the Town of Dobson. The Municipality shall reimburse the Department 100% of the actual cost of the de-icing salt and salt brine solution. The estimated reimbursement to the Department is \$81.35 per ton for de-icing salt and \$.79 cents per gallon for the salt brine solution.

Division 12

Town of Taylorsville  
Alexander County  
44304

This Project consists of resurfacing and construction sidewalk project on Commercial Park Avenue and Industrial Boulevard in Taylorsville. The Municipality shall be responsible for all phases of the Project. The Department shall participate in the actual construction costs in an amount not to exceed \$356,100. Costs which exceed this amount shall be borne by the Municipality.

**NCDOT February 2016 Board of Transportation Agenda**

**Approval of Municipal Street System Changes**

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

## NCDOT February 2016 Board of Transportation Agenda

<u>No.</u>		<u>Enacted Page No.</u>
1	Preliminary Right of Way Plans	R-1
2	Final Right of Way Plans	R-2 & R-3
3	Revisions of Final Right of Way Plans	R-4
4	Approval of Conveyance of Highway Right of Way Residues	R-5
5	Approval of Conveyance of Surplus Highway Right of Way	R-6
6	Approval of Revision in Control of Access	R-7

**Preliminary Right of Way Plans**

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

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

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

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

**(Division 3)**

**Sampson County; I.D. No. B-4814; Project No. 38584.2.1:**  
Bridge No. 102, 103 & 104 over Little Coharie Creek on SR 1233

**(Division 5)**

**Wake County; I.D. No. U-5530IB; Project No. 44111.2.F10:**  
White Oak Creek Greenway, American Tobacco Trail in Cary

**Wake County; I.D. No. R-2635D; Project No. 35520.2.S6:**  
NC 540 (Triangle Expressway) interchange with SR 1153 (Holly Springs/Apex Road)

**(Division 6)**

**Cumberland County; I.D. No. W-5601AQ; Project No. 50138.2.44:**  
US 401 Bypass (Pamalee Drive) at Blanton Road, in Cumberland County. Safety Improvements

**Robeson County; I.D. No. R-5754; Project No. 46414.2.1:**  
NC 20 from NC 71 to I-95

**PRELIMINARY RIGHT OF WAY PLANS**

**5 PROJECT(S)**

**\$0.00**

**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. 34915.2.1; Durham County; I.D. No. U-3308:**

Grading, track work, paving, drainage, sidewalks, curb and gutter, retaining walls, signals and structures in Durham – NC 55 (Alston Ave from NC 147 (Buck Dean Freeway) to North of US 70 Bus/NC 98 (Holloway St) with the right of way indicated upon the final plans for said project.

**(Division 6)****Project No. 43741.2.FD1; Columbus County; I.D. No. W-5518:**

Construct overpass at SR 1574 (Old US 74) over US 74 with the right of way indicated upon the final plans for said project.

**(Division 9)****Project No. 50080.2.FD1; Forsyth County; I.D. No. W-5510:**

Grading, drainage, paving, signals and retaining walls on SR 4315 (S. Main Street) from I-40 Business Ramp to SR 4278 (S. Cherry Street) and SR 2648 (Old Winston Road) with the right of way indicated upon the final plans for said project.

**Project No. 17BP.9.R.60; Rowan County; I.D. No. N/A:**

Grading, drainage, widening, box culvert and pavement markings on Bridge No. 281 on Peeler Road (SR 2538) over Town Creek with box culvert with the right of way indicated upon the final plans for said project.

**Final Right of Way Plans (continued)**

**(Division 11)**

**Project No. 42330.2.FD1; Surry County; I.D. No. B-5173:**

Grading, drainage, paving and structure on Bridge No. 39 over Mitchell River on SR 1328 (Haystick Road) with box culvert with the right of way indicated upon the final plans for said project.

**(Division 13)**

**Project No. 42846.2.3; Buncombe County; I.D. No. B-5244:**

Grading, drainage, paving and structure on Bridge No. 363 over Robinson Creek on SR 3197 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 11)**

**Project No. 36001.2.1; I.D. No. R-2603; Wilkes 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 February 4, 2016 Board of Transportation Meeting.

**(Division 14)**

**Project No. 38506.2.1; I.D. No. B-4733; Clay County:**

Final Right of Way plans approved on the minutes of the July 11, 2013 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 4 as presented at the February 4, 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 6)**

**Project 34416.2.2, Parcels R-2303A 080, 081, 081B; NC 24 from West of SR 1006 (Maxwell Road/Clinton Road) to SR 1853 (John Nunnery Road)  
Cumberland County**

Conveyance of an approximate 0.353-acre residue area to Larry Kirk and wife, Lori Ewrin Kirk; and Willie Mae West as part settlement for the appraised value of \$2,062.00.

**(Division 12)**

**Project 34192.3.1, Parcel I-3819A 082, I-40/I-77 Interchange from West of SR 2003 (Radio Road) to West of SR 2158 (Old Mocksville Road)  
Iredell County**

Conveyance of an approximate 0.290-acre residue area to Jame Limited Partnership and Mary Lou Brinkley, the only interested adjacent owners, for the appraised value \$10,400.00

**CONVEYANCE ROW RESIDUE**

**2 PROJECT(S)**

**\$12,462.00**

**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 8.1654827, Parcel I-501A 000, I-277 Entrance ramp in the Northeast  
Quadrant of the I-277/Caldwell Street Interchange in Charlotte  
Mecklenburg County**

Abandonment of an approximate 0.004-acre permanent drainage easement area to Crescent Uptown Venture, LLC for no monetary consideration.

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

Conveyance of an approximate 0.114-acre surplus right of way area to Cole Properties & Investments, Inc. for the appraised value of \$38,500.00.

**CONVEYANCE OF SURPLUS RIGHT OF WAY**

**2 PROJECT(S)**

**\$38,500.00**



**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 February 2016 Board meeting.

January 19, 2016

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

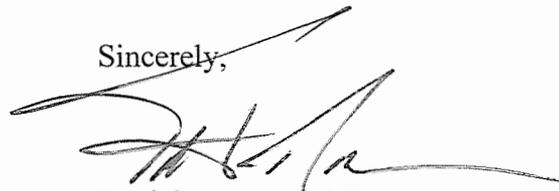
The Transportation Planning Branch has worked cooperatively with Jones County on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by the Town of Maysville on December 3, 2015, the Town of Pollocksville on November 10, 2015, the Town of Trenton on November 10, 2015 and Jones County on November 16, 2015. The Down East RPO endorsement of the plan is effective 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=Jones County](https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study_id=Jones%20County)

The Transportation Planning Branch recommends the mutual adoption of the Jones County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of January 27, 2016.

Sincerely,



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

Attachment

February 4, 2016



# Jones County

North Carolina

## RECOMMENDED Comprehensive Transportation Plan

Plan date: October 30, 2015

Sheet 1 **Adoption Sheet**

Sheet 2 **Highway Map**

Sheet 3 **Public Transportation  
and Rail Map**

Sheet 4 **Bicycle Map**

Sheet 5 **Pedestrian Map**

### Legend

-  Roads
-  Railroads
-  Schools
-  Rivers and Streams
-  Water bodies
-  Municipal Boundary
-  Forest Lands
-  County Boundary

0 2.5 5 Miles



Sheet 1 of 5

Base map date: January 16, 2014  
Refer to CTP document for more details

### Adopted by:

Town of Maysville

Date: December 3, 2015

Town of Pollocksville

Date: November 10, 2015

Town of Trenton

Date: November 10, 2015

Jones County

Date: November 16, 2015

NCDOT

Date:

### Endorsed by:

Down East RPO

Date: January 26, 2016

### Recommended by:

Transportation Planning Branch

Date: January 27, 2016

### NOTES:

DUPLIN  
COUNTY

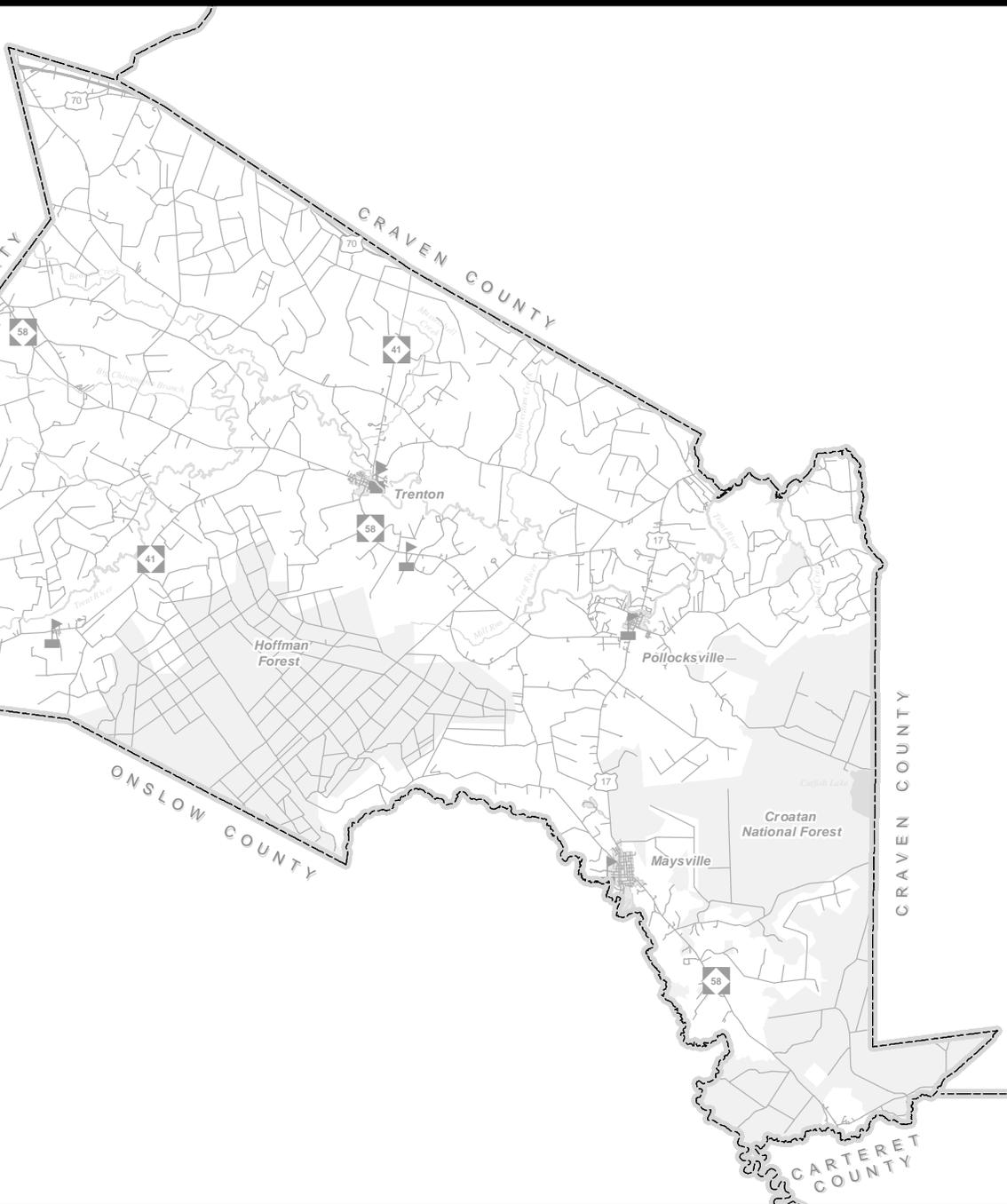
LENOIR COUNTY

CRAVEN COUNTY

ONSLOW COUNTY

CRAVEN COUNTY

CARTERET  
COUNTY



January 19, 2016

MEMORANDUM TO: Board of Transportation  
FROM: Transportation Planning Branch  
SUBJECT: Submission of the Lumberton Comprehensive Transportation Plan for Mutual Adoption by the Board of Transportation

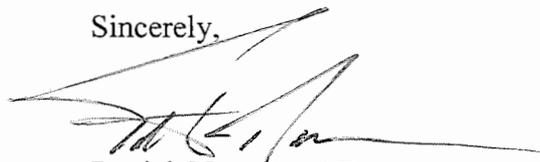
The Transportation Planning Branch has worked cooperatively with the City of Lumberton on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by the City of Lumberton on December 9, 2015 and Robeson County on January 19, 2016. The Down East RPO endorsement of the plan is effective on January 25, 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=Lumberton](https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study_id=Lumberton)

The Transportation Planning Branch recommends the mutual adoption of the Lumberton Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of January 26, 2016.

Sincerely,



Patrick Norman, P.E.

Manager, Transportation Planning Branch

Attachment

February 4, 2016

See Robeson County CTP

**Adopted by:**

Lumberton  
Date: December 9, 2015

Robeson County  
Date: January 19, 2016

NCDOT  
Date:

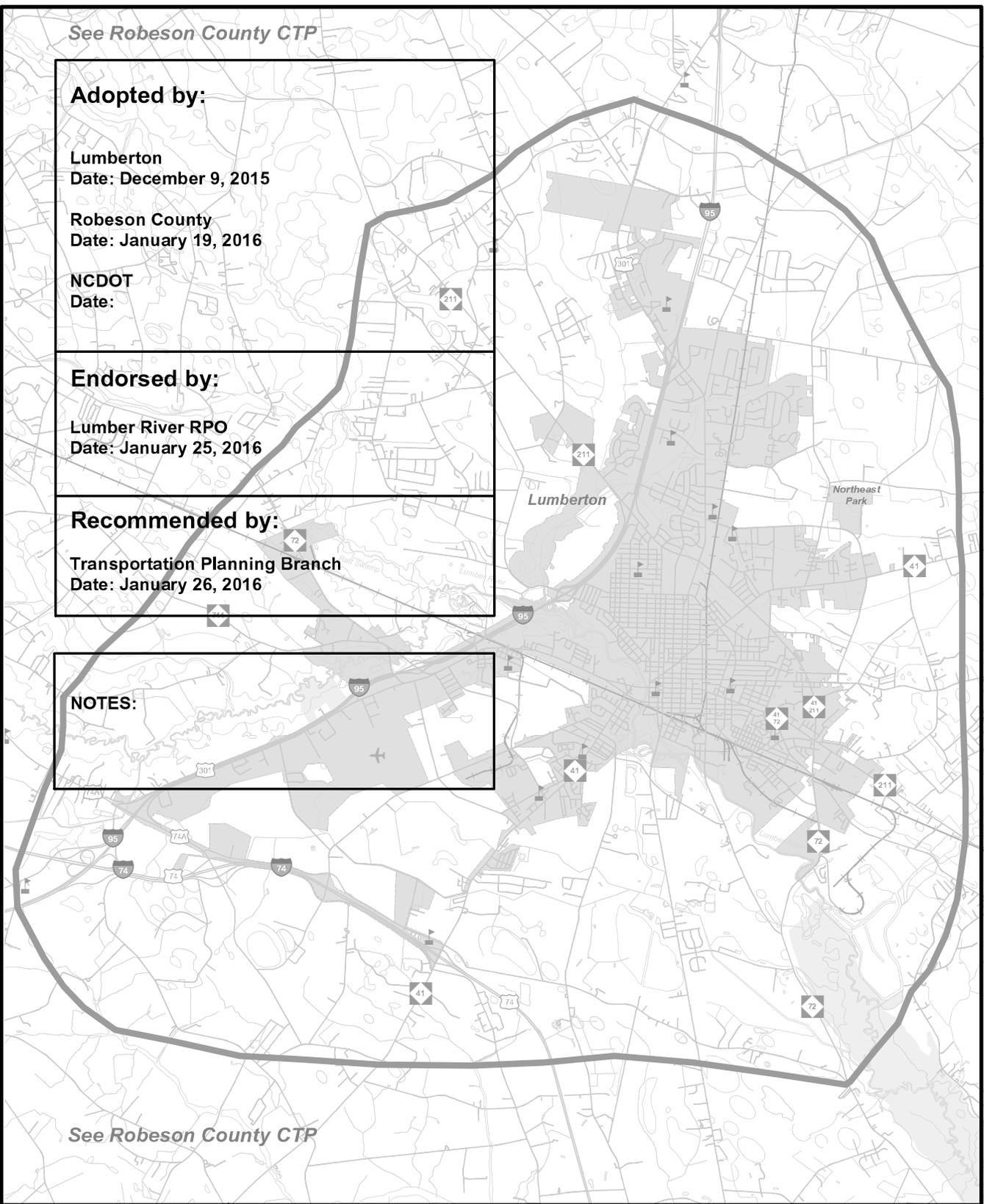
**Endorsed by:**

Lumber River RPO  
Date: January 25, 2016

**Recommended by:**

Transportation Planning Branch  
Date: January 26, 2016

**NOTES:**



See Robeson County CTP

Sheet 1 Adoption Sheet

Sheet 2 Highway Map

Sheet 3 Public Transportation and Rail Map

Sheet 4 Bicycle Map

Sheet 5 Pedestrian Map

Legend

- Schools
- Airports
- Planning Boundary
- Water Bodies
- Roads
- Rivers and Streams
- Railroads
- State Parks
- Municipal Boundary

0 0.25 0.5 1 1.5 Miles



Sheet 1 of 5

Base map date: June 2014

Refer to CTP document for more details



**Lumberton**

Robeson County  
North Carolina

**RECOMMENDED  
Comprehensive**

**Transportation Plan**

Plan date: August 27, 2015

January 19, 2016

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

The Transportation Planning Branch has worked cooperatively with Pasquotank County on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by Elizabeth City on November 24, 2015 and Pasquotank County on January 11, 2016. The Albemarle RPO endorsement of the plan is effective on January 27, 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=Pasquotank County](https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study_id=Pasquotank%20County)

The Transportation Planning Branch recommends the mutual adoption of the Pasquotank County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of January 28, 2016.

Sincerely,

A handwritten signature in black ink, appearing to read 'Patrick Norman', written over a horizontal line.

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

Attachment

February 4, 2016

**Adopted by:**

**Pasquotank County**  
Date: 01/11/2016

**Elizabeth City**  
Date: 11/24/2015

**NCDOT**  
Date:

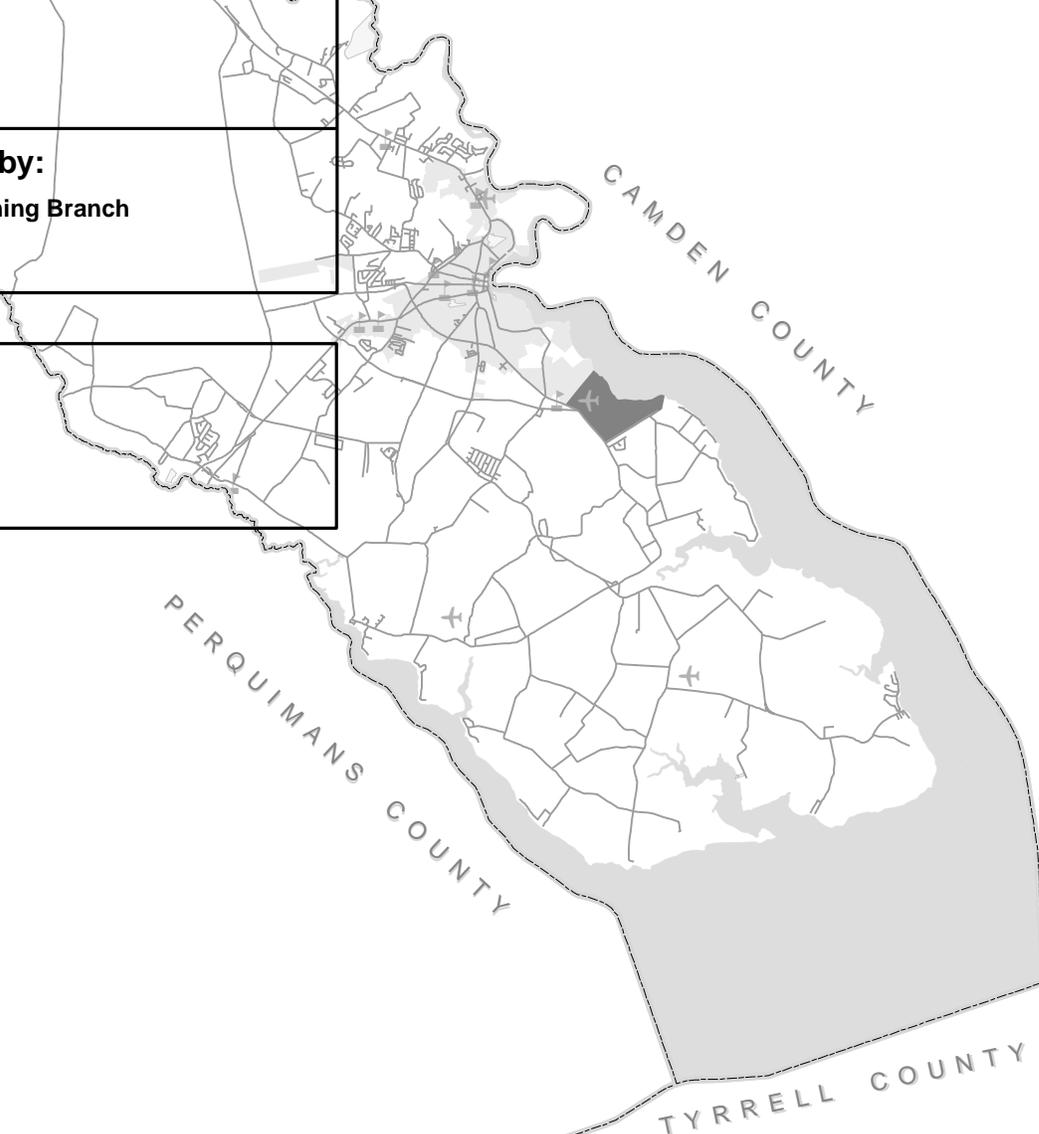
**Endorsed by:**

**Albemarle RPO**  
Date: 01/27/2016

**Recommended by:**

**Transportation Planning Branch**  
Date: 01/28/2016

**NOTES:**



**Sheet 1 Adoption Sheet**

**Sheet 2 Highway Map**

**Sheet 4 Bicycle Map**

**Sheet 5 Pedestrian Map**

**Legend**

- County Boundary
- Schools
- Airports
- Railroads
- Roads
- Military Installation
- National Wildlife Refuge
- Municipal Limits
- Water Bodies
- Rivers and Streams

0 0.5 1 2 3 Miles



Figure 1 - Sheet 1 of 5

Refer to CTP document for more details



**Adoption Map**

**Recommended  
Pasquotank County  
& Elizabeth City**

Plan date: 01/14/2016



February 2016

*Periodic Review of Rules  
Board of Transportation*



# *Periodic Review of Rules Legislative Directive & Compliance Protocol*

Prior to the 2013 legislative session, there was no expiration date for rules.

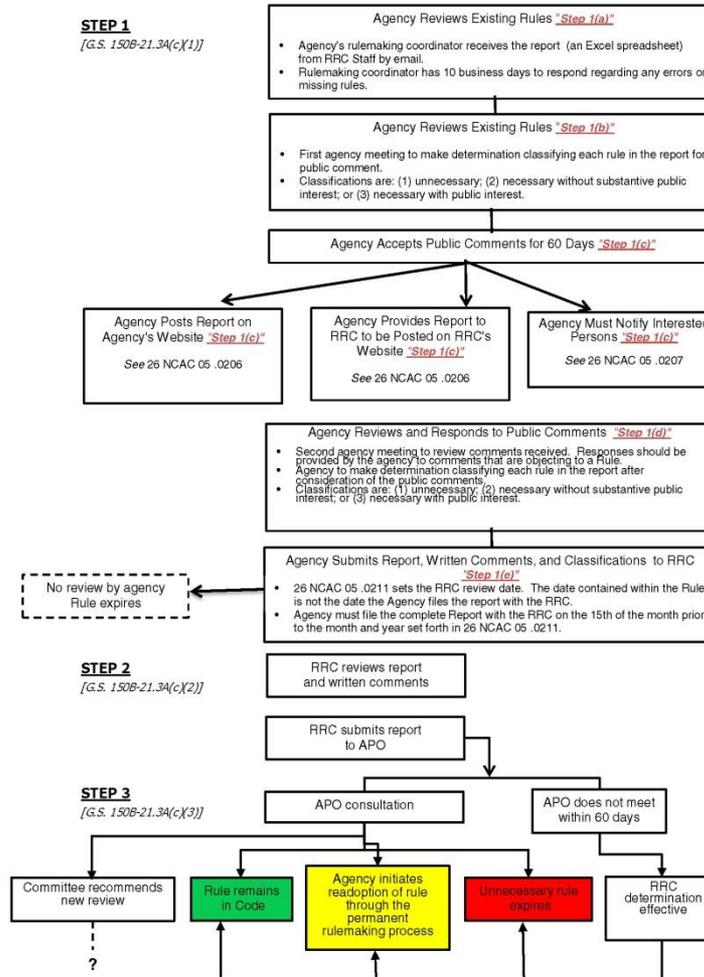
Per GS 150B-21.3A, passed during the 2013 legislative session, all rules adopted pursuant to G.S. 150B Article 2A will be reviewed every 10 years to make sure the rules are still necessary, within the agency's authority, and address programs that still exist.

The schedule for the review is set by the Rules Review Commission.

If an agency does not conduct the review in the timeframe required by the Commission, then the rules will automatically expire and be removed from the code.

# Periodic Review of Rules -- Process

## Periodic Review and Expiration of Existing Rules



# *Periodic Review of Rules -- Designations*

The process requires the agency to review each rule and designate it in one of the following three ways:

## **Necessary *with* Substantive Public Interest**

- Any rule for which the agency has received public comments within the last two years, or
- Any rule that affects the property interest of the regulated public and the agency knows or suspects any person may object to the rule.

## **Necessary *without* Substantive Public Interest**

- A rule for which the agency has not received a public comment concerning the rule within the past two years.
- A rule that merely identifies information that is readily available to the public.

## **Unnecessary**

- A rule that the agency determines to be obsolete, redundant, or otherwise not needed.

In addition, the agency must state whether the rule is necessary to implement or conform to federal law and if so, submit the citation.

# *Board Action*



# *Board of Transportation Authority and Action Required for Periodic Review*

This year, NCDOT is assigned to review and assign designations to the rules in Chapter Two – Division of Highways.

The Board of Transportation is the rule-making authority for the following rules:

- TODS Program (eight rules)
- Logo Program Fees (one rule)
- Ferry Toll Rates (two rules)

# Board of Transportation Committee Recommended Designations for Periodic Review

## Rules Reviewed in Board of Transportation's January 2016 Highways Committee Meeting

### Logo Program

- 19A NCAC 02E .0221 Logo Program Fees  
*Necessary with Substantive Public Interest*

### TODS Program

- 19A NCAC 02E .1101 Tourist-Oriented Directional Sign (TODS) Program  
*Necessary without Substantive Public Interest*
- 19A NCAC 02E .1102 Definitions  
*Not Necessary*
- 19A NCAC 02E .1103 Location of TODS  
*Necessary with Substantive Public Interest*
- 19A NCAC 02E .1104 Eligibility for Program  
*Not Necessary*
- 19A NCAC 02E .1105 Composition of Signs  
*Necessary with Substantive Public Interest*
- 19A NCAC 02E .1106 Fees  
*Necessary with Substantive Public Interest*
- 19A NCAC 02E .1107 Contracts with the Department  
*Not Necessary*
- 19A NCAC 02E .1108 Appeal of Decision  
*Not Necessary*

## Rules Reviewed in Board of Transportation's January 2016 Multi-Modal Committee Meeting

### Ferry

- 19A NCAC 02D .0531 Free Operations  
*Not Necessary*
- 19A NCAC 02D .0532 Toll Operations  
*Not Necessary*

# *Board of Transportation Timeline Actions Required For Periodic Review*



January:

*The BOT committees will designate the rules as either:*

- *Necessary with Substantive Public Interest*
- *Necessary without Substantive Public Interest*
- *Unnecessary*



February:

The Board will take action on their committee recommendations

February:

The designations will be posted and the agency will accept public comments for 60 days

May:

The Board will review any comments and take final action on designations

June:

The Agency will submit the report to the RRC

July/August:

The RRC and APO review Board designations

November:

Rules are either removed, readopted, or amended

# *Questions*



**G.S. 150B-21.3A Report for 19A NCAC Chapter 02, Division of Highways**

Agency - Transportation, Department of / Board of Transportation

Comment Period - Filled in by Agency

Date Submitted to APO - Filled in by RRC staff



Subchapter	Rule Section	Rule Citation	Rule Name	Date and Last Agency Action on the Rule	Agency Determination [150B-21.3A(c)(1)a]	Implements or Conforms to Federal Regulation [150B-21.3A(e)]	Federal Regulation Citation	Public Comment Received [150B-21.3A(c)(1)]	Agency Determination Following Public Comment [150B-21.3A(c)(1)]
	SECTION .0500 - FERRY OPERATIONS	<a href="#">19A NCAC 02D .0531</a>	FREE OPERATIONS	Amended Eff. July 7, 2014	Unnecessary	No		Select One	Select One
		<a href="#">19A NCAC 02D .0532</a>	TOLL OPERATIONS	Amended Eff. July 7, 2014	Unnecessary	No		Select One	Select One
	SECTION .0200 – OUTDOOR ADVERTISING	<a href="#">19A NCAC 02E .0221</a>	FEES (LOGO)	Amended Eff. February 1, 2004	Necessary with substantive public interest	No		Select One	Select One
	SECTION .1100 – TOURIST-ORIENTED DIRECTIONAL SIGN PROGRAM	<a href="#">19A NCAC 02E .1101</a>	TOURIST-ORIENTED DIRECTIONAL SIGN (TODS) PROGRAM	Eff. August 1, 2004	Necessary without substantive public interest	Yes If yes, include the citation to the federal law	23 U.S.C.109(d) and Title 23, Code of Federal Regulations, Part 655.603,	Select One	Select One
		<a href="#">19A NCAC 02E .1102</a>	DEFINITIONS	Eff. August 1, 2004	Unnecessary	No		Select One	Select One
		<a href="#">19A NCAC 02E .1103</a>	LOCATION OF TODS	Eff. August 1, 2004	Necessary with substantive public interest	Yes If yes, include the citation to the federal law	23 U.S.C. 109(d) and Title 23, Code of Federal Regulations, Part 655.603	Select One	Select One
		<a href="#">19A NCAC 02E .1104</a>	ELIGIBILITY FOR PROGRAM	Eff. August 1, 2004	Unnecessary	No		Select One	Select One
		<a href="#">19A NCAC 02E .1105</a>	COMPOSITION OF SIGNS	Eff. August 1, 2004	Necessary with substantive public interest	Yes If yes, include the citation to the federal law	23 U.S.C.109(d) and Title 23, Code of Federal Regulations, Part 655.603,	Select One	Select One
		<a href="#">19A NCAC 02E .1106</a>	FEES (TODS)	Eff. August 1, 2004	Necessary with substantive public interest	No		Select One	Select One
		<a href="#">19A NCAC 02E .1107</a>	CONTRACTS WITH THE DEPARTMENT	Eff. August 1, 2004	Unnecessary	No		Select One	Select One
		<a href="#">19A NCAC 02E .1108</a>	APPEAL OF DECISION	Eff. August 1, 2004	Unnecessary	No		Select One	Select One

**RESOLUTION BY THE BOARD OF TRANSPORTATION  
FORMALLY ADOPTING THE CURRENT FERRY TOLLING RATES**

**WHEREAS**, The North Carolina Department of Transportation is a state agency created under General Statute § 136; and

**WHEREAS**, the Ferry Division is a unit of the Department of Transportation that is vested with the authority to maintain and operate the ferry system in the State of North Carolina; and

**WHEREAS**, § 136-82 of the North Carolina General Statutes grants the authority to establish toll rates with the Board of Transportation; and

**WHEREAS**, recent changes to § 136-82 have made said authority exempt from the requirements of the Administrative Procedure Act (N.C. Gen. Stat. § 150B); and

**WHEREAS**, the rates currently being charged by the Ferry Division need to be properly documented;

**NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF TRANSPORTATION** hereby formally adopts the following currently charged rates on all tolled routes in the NC Ferry System:

**Cedar Island, Ocracoke, Swan Quarter (ONE-WAY FARES)**

Pedestrian .....	\$1
(Under age 5 — free)	
Bicycle Rider .....	\$3
Motorcycle .....	\$10
Scooter .....	\$10
Golf Cart or ATV .....	\$10
3 Wheel Motorcycle .....	\$10
Motorcycle with Trailer .....	\$15
Motorcycle with Side Car .....	\$15
Vehicle and/or combination less than 20 feet .....	\$15
Vehicle and/or combination 20 feet up to 40 feet .....	\$30
Vehicle and/or combination over 40 feet up to 65 feet .....	\$45

**Southport – Fort Fisher (ONE-WAY FARES)**

Pedestrian .....	\$1
(Under age 5 — free)	
Bicycle Rider .....	\$2
Motorcycle .....	\$3
Scooter .....	\$3
Golf Cart or ATV .....	\$3
3 Wheel Motorcycle .....	\$3

Motorcycle with Trailer .....	\$5
Motorcycle with Side Car .....	\$5
Vehicle and/or combination less than 20 feet .....	\$5
Vehicle and/or combination 20 feet up to 40 feet .....	\$10
Vehicle and/or combination over 40 feet up to 65 feet .....	\$15

**BE IT FURTHER RESOLVED** that these rates will be published on the NC Ferry Division website, in relevant NCDOT print materials, and at all Ferry Division offices and locations.

Adopted, this the \_\_\_\_ day of February, 2016 by the North Carolina Board of Transportation

\_\_\_\_\_  
Chairman

\_\_\_\_\_  
Secretary of Transportation

## DBE/MB/WB LETTING SUMMARY FOR CENTRALLY LET PROJECTS

Federal Contract Awards Summary

Oct 2015 let through Jan 2016 let

Federal Fiscal Year 2015/2016

	Value Of Contract	DBE Goals Set		DBE Participation Submitted		DBE Participation Split			
						MB		WB	
						\$	%	\$	%
Monthly	24,153,940.37	2,125,988.55	8.8	2,002,208.40	8.3	971,531.70	4.0	1,030,676.70	4.3
FY to Date	131,887,859.85	11,832,129.18	9.0	12,298,563.30	9.3	3,571,886.90	2.7	8,726,676.40	6.6

State Contract Awards Summary

Jul 2015 let through Jan 2016 let

State Fiscal Year 2015/2016

	Value Of Contract	MB Goals Set		MB Participation Submitted		WB Goals Set		WB Participation Submitted	
		\$	%	\$	%	\$	%	\$	%
		Monthly	17,916,811.57	783,249.45	4.4	758,862.00	4.2	1,076,021.00	6.0
FY to Date	202,145,641.71	8,545,363.51	4.2	6,742,989.80	3.3	11,324,054.71	5.6	<b>13,309,324.07</b>	6.6

Letting Date(s): January 19th, 2016  
 Award Date: February 4th, 2016  
 Award Subject to Secretary's Approval

LETTING DATES: January 19, 2015  
 AWARD DATE: February 4, 2015

Contract Information	County	Work Description	Prime Contractor	ADVERTISED GOALS SET			PARTICIPATION SUBMITTED			GOOD FAITH EFFORT AWARDED		AWARDED BY SECRETARY	
				10.0	0.0	0.0	10.0	0.0	0.0	YES	NO	YES	NO
52001.3.1 NHPP-0040(14)340 I-5723 C203776	JOHNSTON	PAVEMENT REHABILITATION AND DRAINAGE.	BARNHILL CONTRACTING COMPANY	10.0	0.0	0.0	10.0	0.0	0.0			X	
53027.3.1 NHPP-0085(14) I-5787 C203765	VANCE, GRANVILLE	PAVEMENT REHABILITATION.	S. T. WOOTEN CORPORATION	9.0	0.0	0.0	9.0	0.0	0.0			X	
2016CPT.05.03.20921.1 C203797	WAKE	MILLING, RESURFACING, AND SHOULDER GRADING.	FSC II LLC DBA FRED SMITH COMPANY	0.0	5.0	7.0	0.0	5.0	7.0			X	
2016CPT.05.04.20921.1 C203798	WAKE	S. T. WOOTEN CORPORATION	MILLING, RESURFACING, AND SHOULDER GRADING.	0.0	5.0	7.0	0.0	4.1	7.0	X		X	
2016CPT.05.05.10921.1 C203799	WAKE	MILLING, RESURFACING, AND SHOULDER GRADING.	S. T. WOOTEN CORPORATION	0.0	5.0	7.0	0.0	5.0	7.0			X	
2016CPT.05.15.10921.1, etc. C203796	WAKE	MILLING, RESURFACING, AND SHOULDER GRADING.	FSC II LLC DBA FRED SMITH COMPANY	0.0	5.0	7.0	0.0	5.0	2.3	X		X	
46055.3.FD1 BRSTP-1767(5) B-5341 C203664	ROCKINGHAM	GRADING, DRAINAGE, PAVING, & STRUCTURE.	EASTERN STRUCTURES LLC	8.0	0.0	0.0	8.0	0.0	0.0			X	
2016CPT.08.08.10761, etc. HISIP-0731(6), etc. W-5601AJ, etc. C203764	RANDOLPH	PAVEMENT AND BRIDGE REHABILITATION.	APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION	7.0	0.0	0.0	4.3	0.0	0.0	X		X	
42845.3.FD1 BRSTP-1008(23) B-5243 C203663	UNION	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.	SEALAND CONTRACTORS CORP	11.0	0.0	0.0	11.0	0.0	0.0			X	
46110.3.2 B-5395 C203665	RUTHERFORD	GRADING, DRAINAGE, PAVING, AND CULVERT.	APPLE TUCK & ASSOCIATES, INC.	0.0	3.0	5.0	0.0	3.0	5.0			X	
38592.3.FD1 BRZ-1119(4) B-4922 C203666	TRANSYLVANIA	GRADING, DRAINAGE, PAVING, AND STRUCTURE.	BUCKEYE BRIDGE LLC	9.0	0.0	0.0	9.0	0.0	0.0			X	
46118.3.FD1 BRZ-1532(5) B-5403 C203670	TRANSYLVANIA	GRADING, DRAINAGE, PAVING, AND STRUCTURE.	BUCKEYE BRIDGE LLC	10.0	0.0	0.0	10.0	0.0	0.0			X	
46119.3.FD1 BRZ-1163(10) B-5404 C203671	JACKSON	GRADING, DRAINAGE, PAVING, AND STRUCTURE.	BUCKEYE BRIDGE LLC	7.0	0.0	0.0	7.0	0.0	0.0			X	
2016CPT.14.02.10871.1, etc. C203812	SWAIN	MILLING & RESURFACING.	WNC PAVING, INC.	0.0	2.0	2.0	0.0	2.0	2.0			X	



Board of Transportation, February 4, 2016

## *Winter Weather Report*

Mike Holder, PE, Chief Engineer



## *Resources*

<b>Statewide Anti-Icing Operations</b>
Brine Applied (Gallons)
2,225,950

<b>Crew &amp; Equipment Transfers</b>				
From	To	Employees	DOT Trucks	DOT Graders
Division 1	Division 13	8	8	2
Division 2	Division 5	14	13	0
Division 3	Division 5	12	12	0

<b>Peak, Statewide De-icing Operations</b>				
Activated Employees	Activated DOT Trucks/Graders	Activated Contract Trucks	Total Salt Applied (Tons)	Total Sand/Salt Mix Applied (Tons)
2,276	1,604	665	75,787.5	27,350.0

<b>NCDOT State Farm Safety Patrol</b>			
Immediate Tows	Abandoned Vehicles	Disabled Motorists	Crashes
13	65	361	263

## *Expenditures*

<b>Event</b>	<b>Date</b>	<b>Cost</b>
Hurricane Joaquin	Oct 2-4, 2015	\$ 4,616,639.19
Snow & Ice (To Date)	FY 2016	\$ 26,778,086.45
Total Storm Response To Date:		\$ 31,394,725.64

<b>Snow &amp; Ice</b>	<b>Region</b>			
	Coast/Sandhill	Piedmont	Mountains	Statewide
Pre-event: Jan 20, 2016	\$ 892,931.60	\$ 7,319,184.97	\$ 3,679,292.55	\$ 11,891,409.12
Post-event: Feb 1, 2016	\$ 3,197,138.64	\$ 13,928,249.25	\$ 9,652,698.56	\$ 26,778,086.45
Winter Weather Event: Jan 21-25, 2016	\$ 2,304,207.04	\$ 6,609,064.28	\$ 5,973,406.01	\$ 14,886,677.33

\*Cost to date (2/1/16)

\*\*Includes payments for up-fitting contractors

# *Kitty Hawk Dune Erosion*

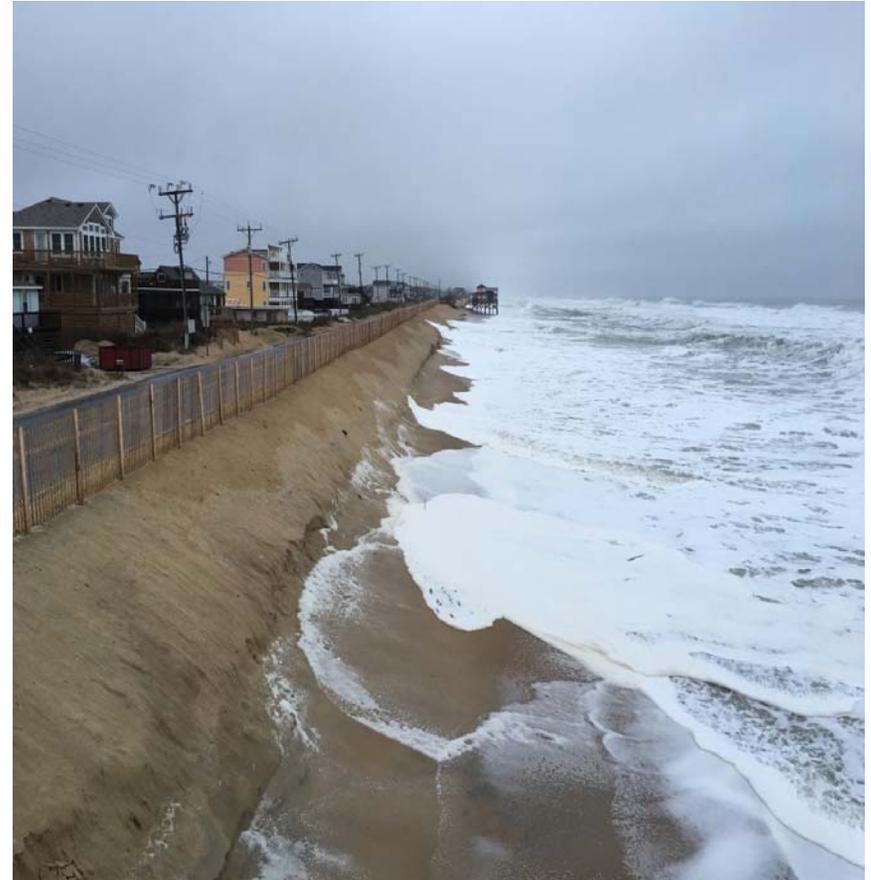


*Saturday morning, January 23, 2016*

Southbound



Northbound

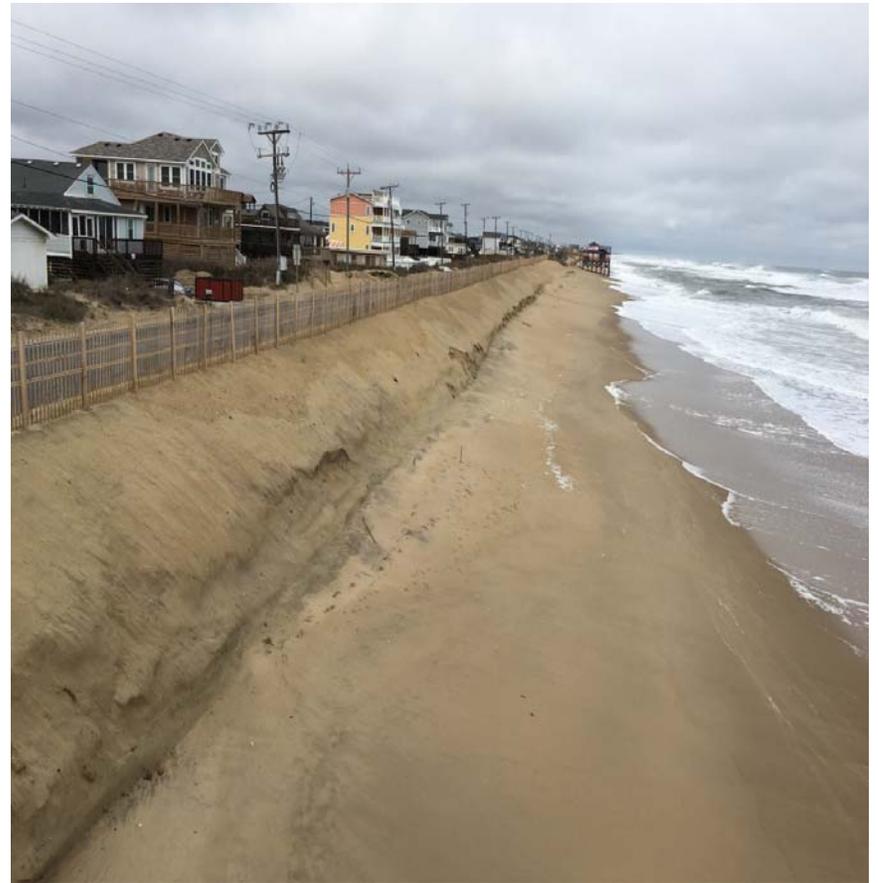


# *Saturday afternoon, January 23, 2016*

Southbound



Northbound

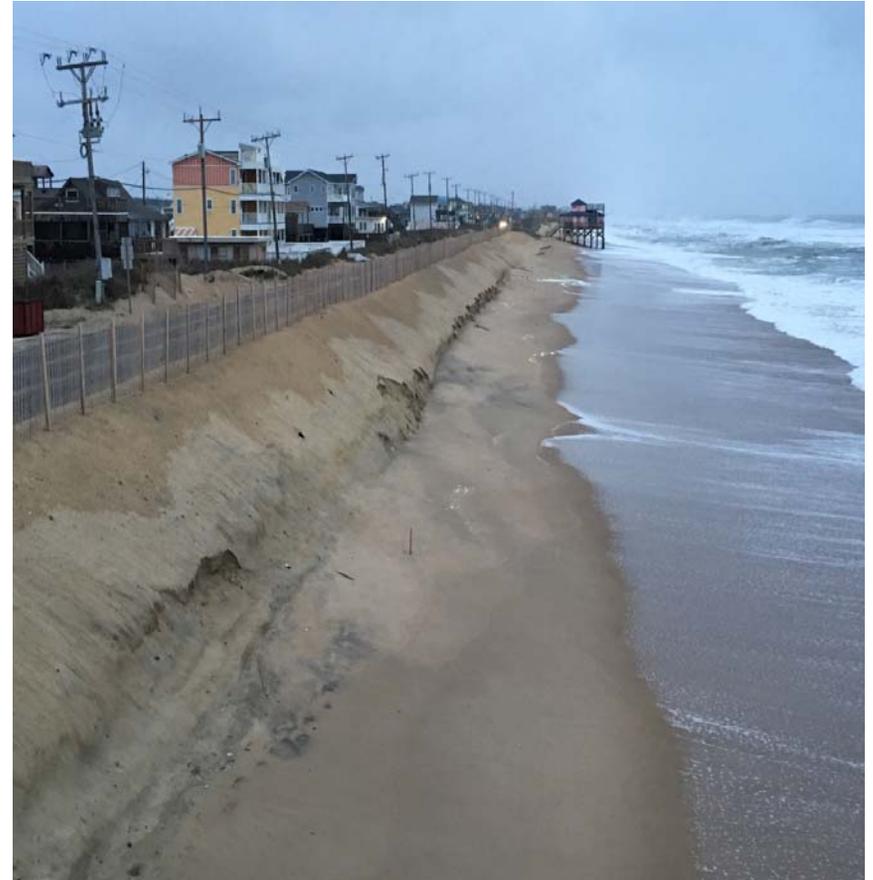


*Saturday late afternoon, January 23, 2016*

Southbound

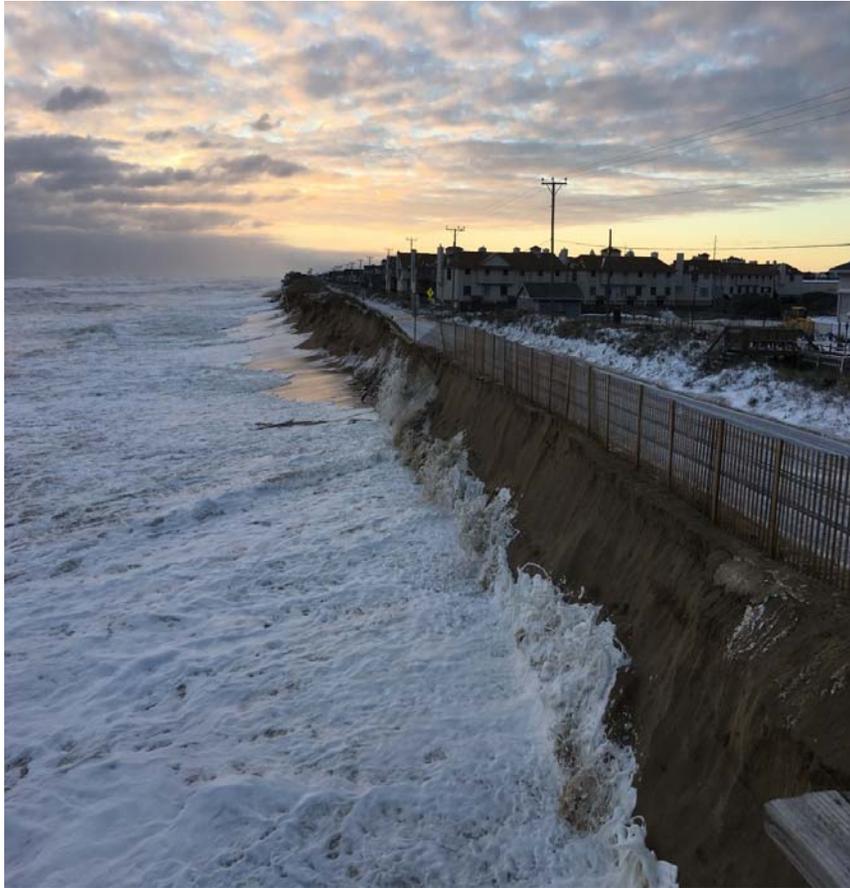


Northbound

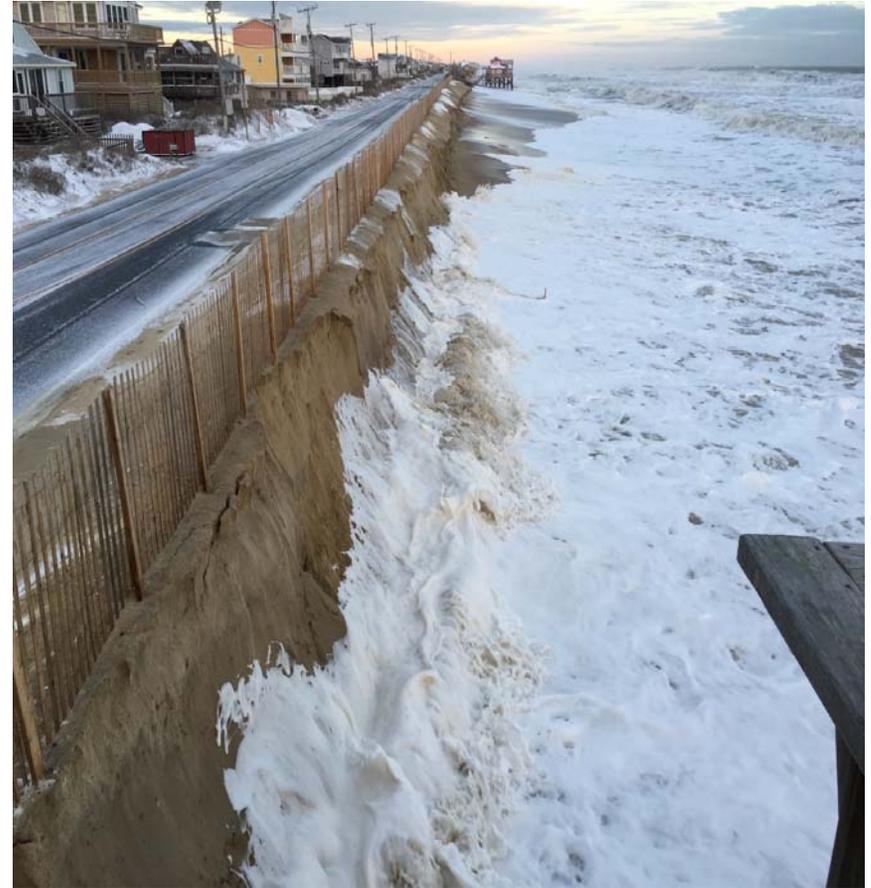


# *Sunday morning, January 24, 2016*

Southbound



Northbound



# *Sunday mid-day, January 24, 2016*

Southbound

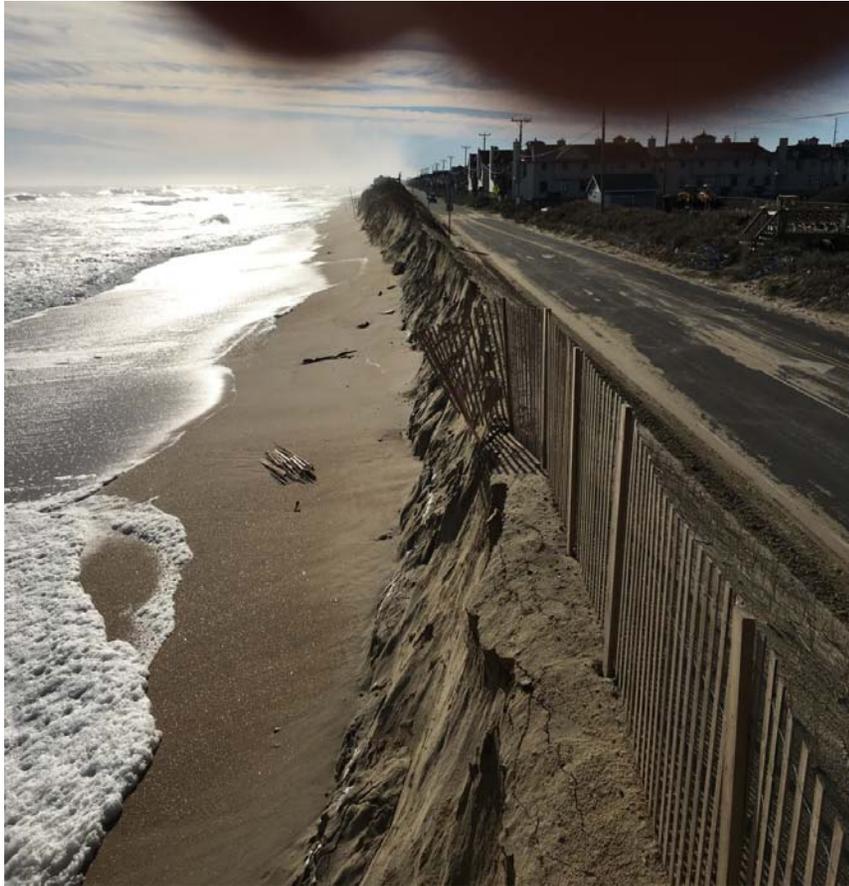


Northbound

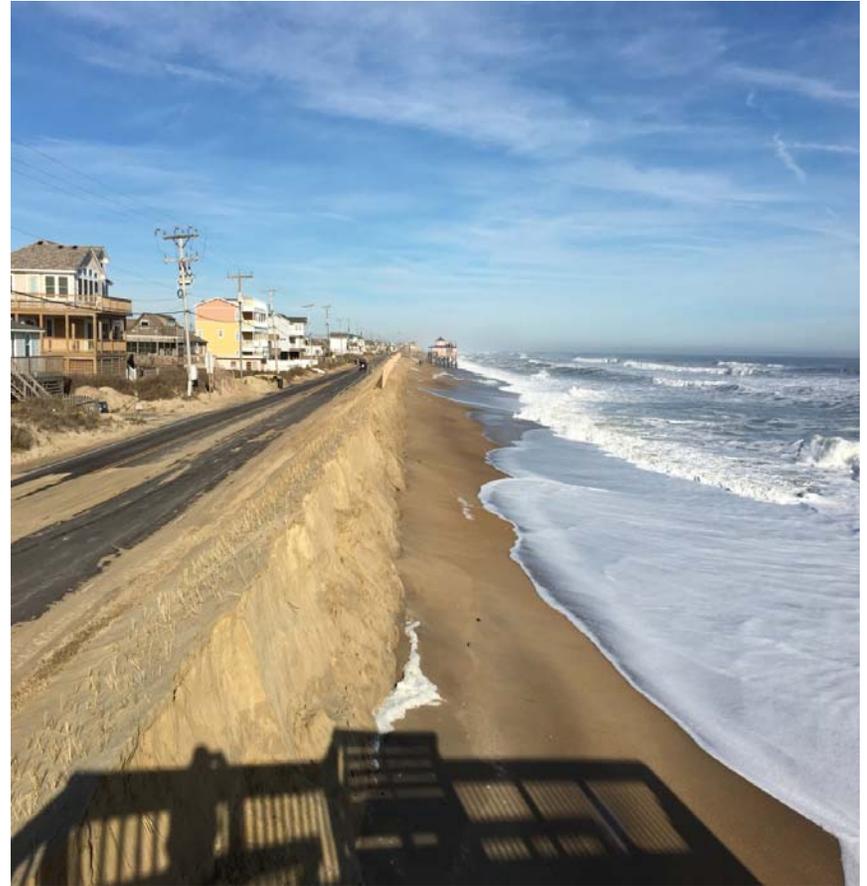


# *Monday morning, January 25, 2016*

Southbound

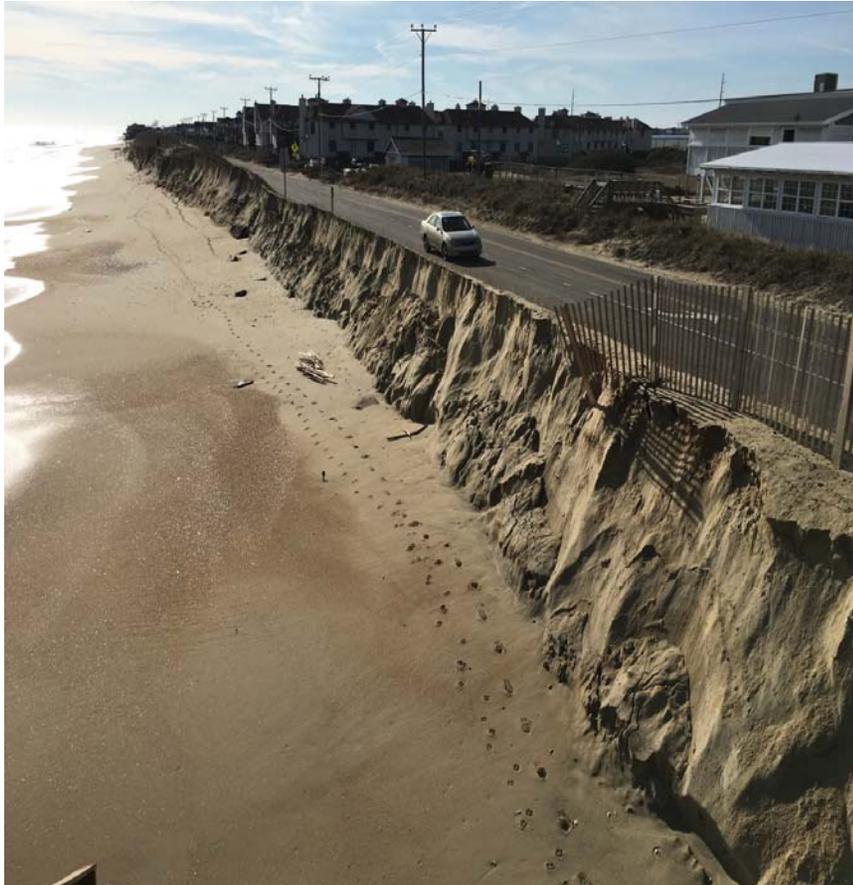


Northbound

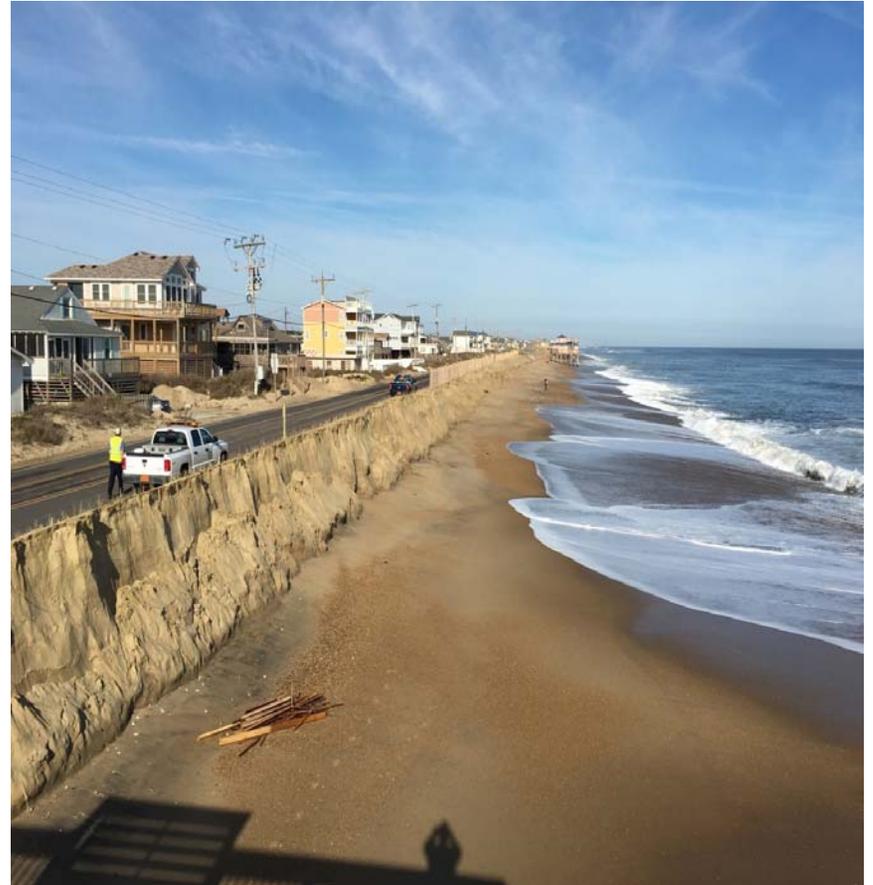


# *Tuesday mid-day, January 26, 2016*

Southbound



Northbound



*Questions?*



*Transportation*



February 3, 2016

*Financial Update*

David Tyeryar, Chief Financial Officer



# Financial Update

## SFYTD 2016 as compared SFYTD 2015

Dollars in Millions	December 15	December 14	Year to Date		
			December 15	December 14	% Change
Revenue Collections	\$ 429	\$ 369	\$ 2,388	\$ 2,254	5.9%
Expenditures	<u>413</u>	<u>383</u>	<u>2,427</u>	<u>2,388</u>	1.6%
Net Change	\$ 16	\$ (14)	\$ (39)	\$ (134)	
	December 15	December 14			
Cash Balances:					
Trust Fund	\$ 1,260	\$ 993			
Highway Fund*	<u>42</u>	<u>18</u>			
Totals	<u>\$ 1,302</u>	<u>\$ 1,011</u>			

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



Unaudited Financial Report

Transportation

# Revenue Summary December 2015

## (\$ in Millions)

	December 2015	December 2014	Year Over Year				SFY to Budget		
			2015-2016 Actual	2014-2015 Actual	\$	%	Budget to Date	\$	%
<b>State &amp; Federal Receipts:</b>									
Highway Fund *	\$ 163.1	\$ 158.8	\$ 980.4	\$ 990.9	\$ (10.5)	-1%	\$ 953.9	\$ 26.5	3%
Highway Trust Fund *	115.1	98.5	697.1	602.5	94.6	16%	641.3	55.8	9%
Total State Funds	278.2	257.4	1,677.5	1,593.5	84.1	5%	\$ 1,595.2	\$ 82.3	5%
Federal Funds/Participation	126.8	109.1	617.2	621.1	(3.9)	-1%			
GARVEE Reimbursement/NCTA	23.5	2.1	93.5	39.3	54.2	138%			
<b>Total</b>	<b>\$ 428.5</b>	<b>\$ 368.6</b>	<b>\$ 2,388.2</b>	<b>\$ 2,253.9</b>	<b>\$ 134.4</b>	<b>6%</b>			
<hr/>									
	December 2015	December 2014	Year Over Year				SFY to Budget		
			2015-2016 Actual	2014-2015 Actual	\$	%	Budget to Date	\$	%
<b>* Memo</b>									
<b>Highway Fund &amp; Trust Fund Details</b>									
Motor Fuel Taxes	\$ 162.1	\$ 156.7	\$ 980.7	\$ 955.7	\$ 25.1	3%	\$ 907.3	\$ 73.5	8%
Highway Use Tax	58.8	51.4	351.3	311.4	40.0	13%	314.9	36.4	12%
DMV/Other Revenue	56.4	48.9	341.5	324.2	17.3	5%	371.9	(30.4)	-8%
Investment Income	0.8	0.5	4.0	2.3	1.7	75%	1.1	2.8	251%
<b>Total</b>	<b>\$ 278.2</b>	<b>\$ 257.4</b>	<b>\$ 1,677.5</b>	<b>\$ 1,593.5</b>	<b>\$ 84.1</b>	<b>5%</b>	<b>\$ 1,595.2</b>	<b>\$ 82.3</b>	<b>5%</b>



Unaudited Financial Report

Transportation

# Expenditure Summary December 2015

(\$ in millions)

			Year Over Year				SFY to Budget		
	Dec-15	Dec-14	2015-2016 Actual	2014-2015 Actual	\$	%	2015-2016 Budget	\$	%
<b>State &amp; Federal Funded Programs:</b>									
Construction	\$ 179.6	\$ 158.0	\$ 1,115.3	\$ 1,092.3	\$ 23.0	2%	\$ 1,282.1	\$ (166.8)	-13%
Maintenance	85.7	77.8	643.5	636.0	7.5	1%	646.7	(3.2)	0%
Public Transportation	4.3	3.5	45.1	42.0	3.1	7%	50.1	(5.0)	-10%
Other Modal/Other Programs	6.8	9.3	68.5	73.2	(4.7)	-6%	80.9	(12.4)	-15%
Administration	21.7	19.4	89.2	95.1	(5.9)	-6%	109.9	(20.7)	-19%
Municipal Aid	73.9	73.7	147.7	147.1	0.6	0%	147.7	0.0	0%
Transfers to Other Agencies	0.3	2.2	22.7	122.2	(99.5)	NA	22.9	(0.1)	-1%
<b>Total Expenditures</b>	<b>\$ 372.3</b>	<b>\$ 343.8</b>	<b>\$ 2,132.2</b>	<b>\$ 2,207.9</b>	<b>\$ (75.7)</b>	<b>-3%</b>	<b>\$ 2,340.4</b>	<b>\$ (208.2)</b>	<b>-9%</b>
<b>GARVEE/NCTA/Special Initiatives</b>	<b>\$ 41.1</b>	<b>\$ 38.9</b>	<b>\$ 295.1</b>	<b>\$ 180.4</b>	<b>\$ 114.7</b>	<b>64%</b>			



# Revenue & Expenditure Variances > 5%

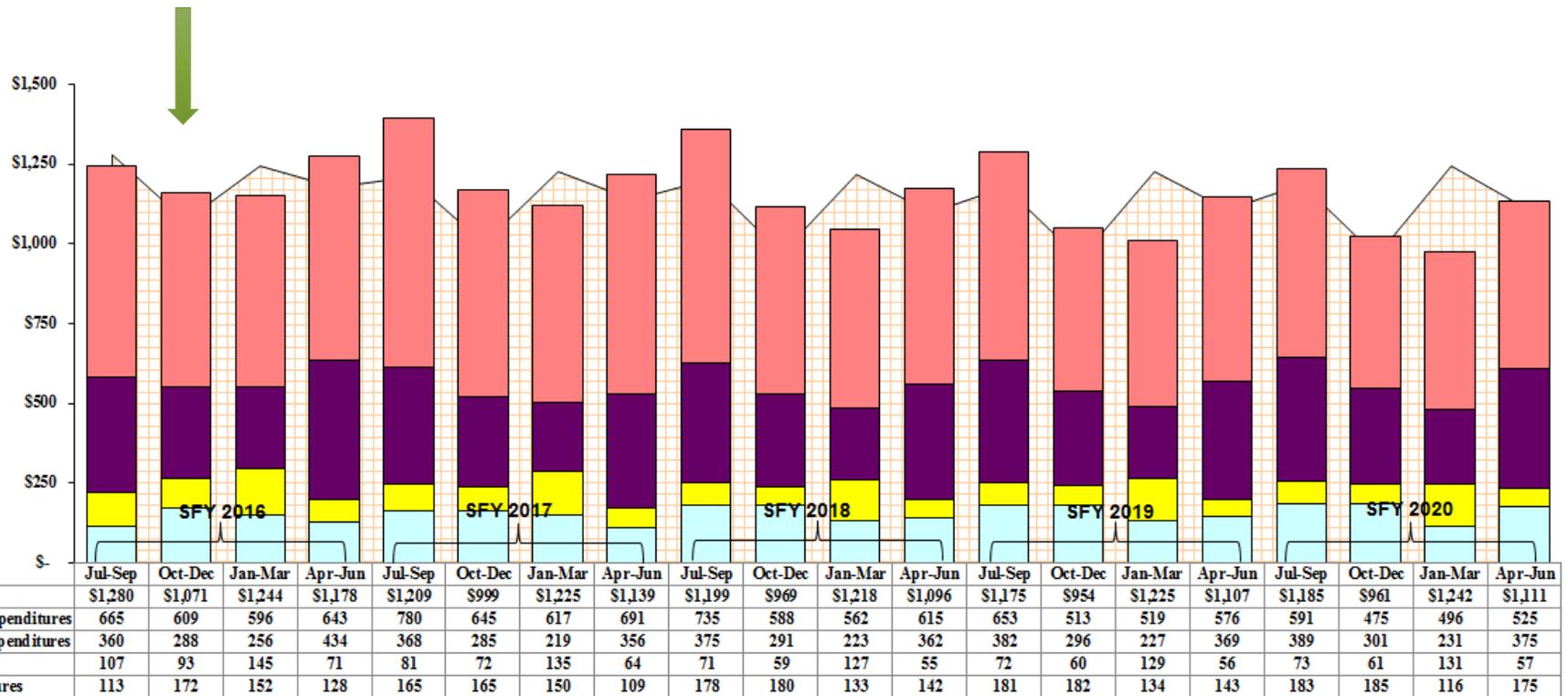
## As of December 31, 2015

<b>RECEIPTS</b>		
<b>State &amp; Federal Receipts:</b>	<b>Budget/Actual</b>	<b>Reason for Variance</b>
Highway Use Tax	12%	Car sales are higher than estimated.
Motor Fuels Taxes	8%	Motor fuel consumption through the second quarter is 6% higher than the same period last state fiscal year.
DMV/Other Revenue	-8%	Estimated Revenue increased 17.6% for FY16. Actual revenue only increased 5.3% due to some fees not being implemented until October or after.
<b>EXPENDITURES</b>		
<b>State &amp; Federal Funded Programs:</b>	<b>Budget/Actual</b>	<b>Reason for Variance</b>
Construction	-13%	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.
Public Transportation	-10%	Limited Service Agreement contracts have been on hold due to scope changes.
Administration	-19%	It is spending prior year carried forward authorizations.



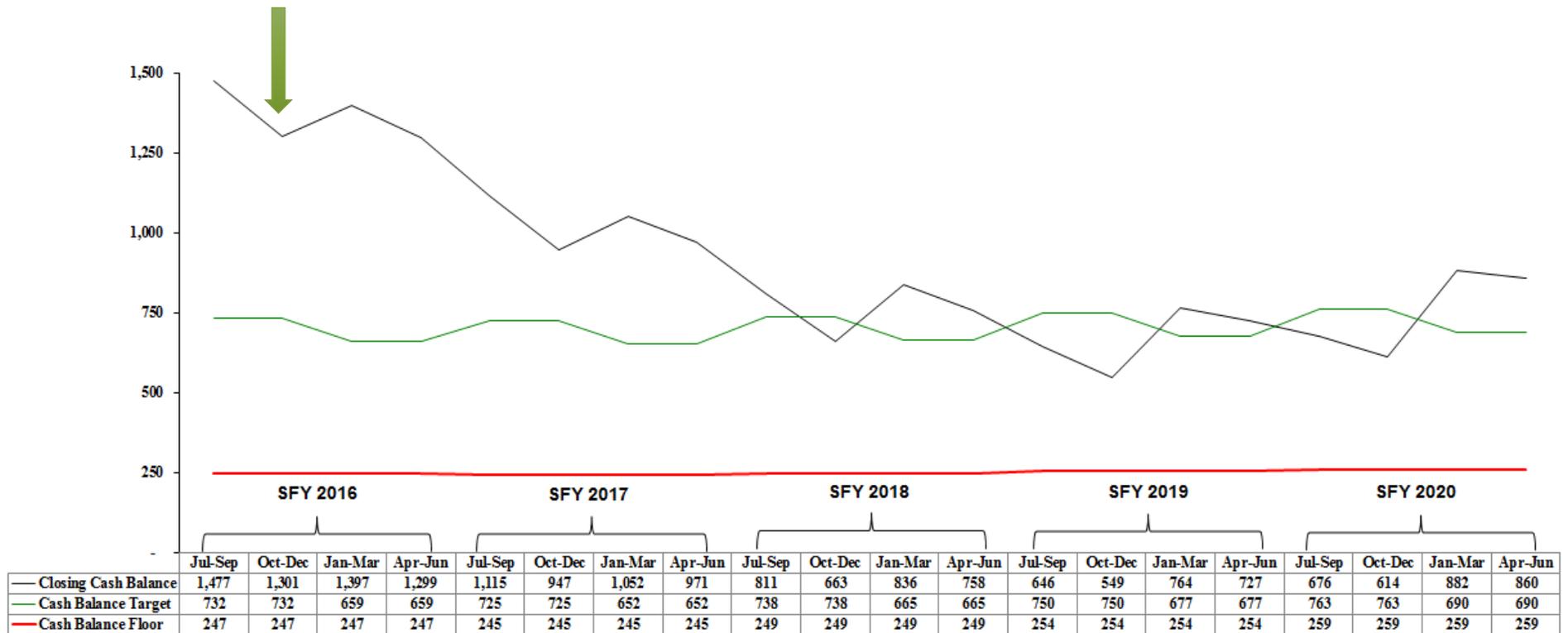
# 60 Month Cash Model

## Revenue & Expenditure Projections as of December 2015

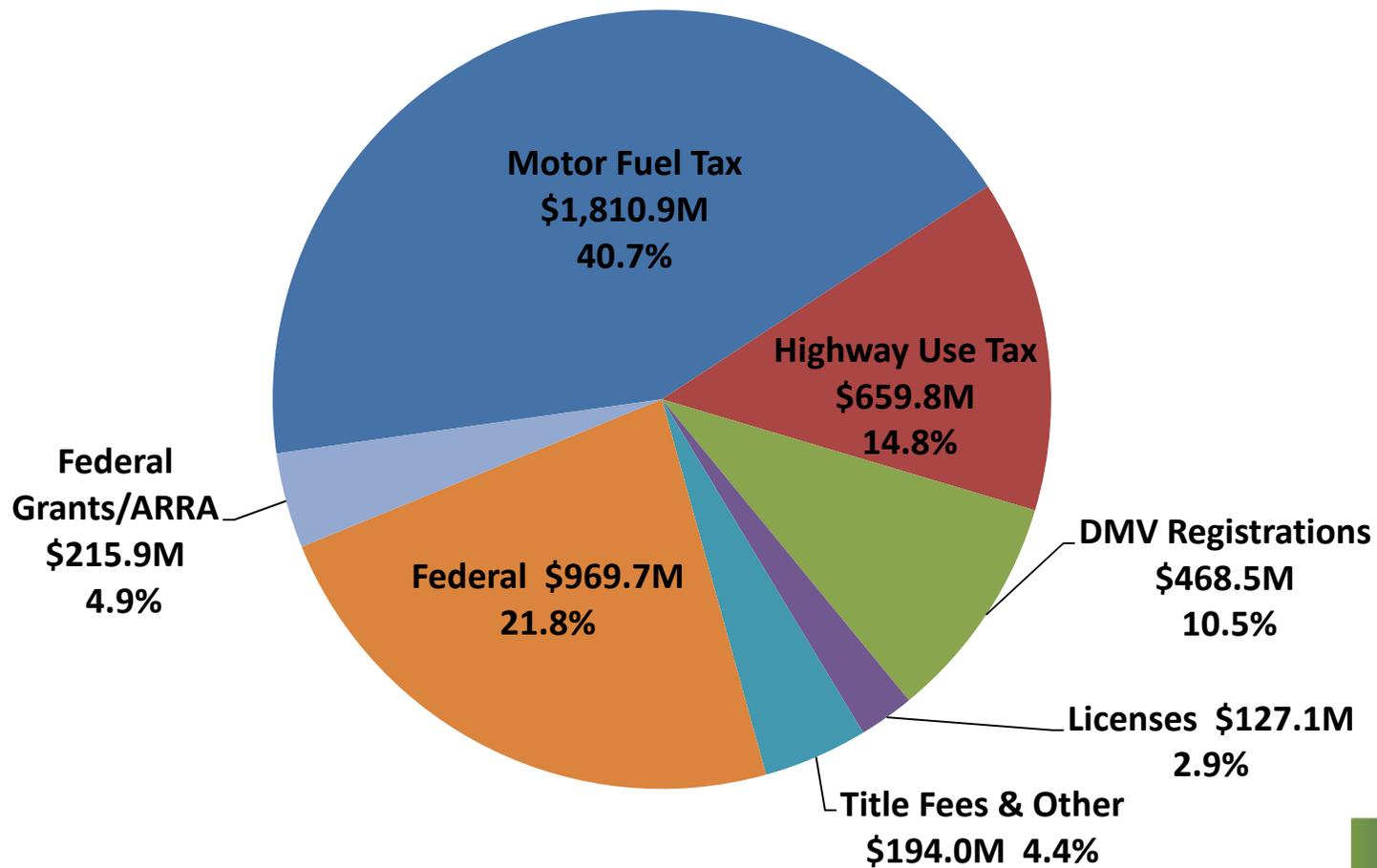


# 60 Month Cash Model

## Cash Projections as of December 2015



# NCDOT Revenue Sources SFY2016 - \$4.4 Billion



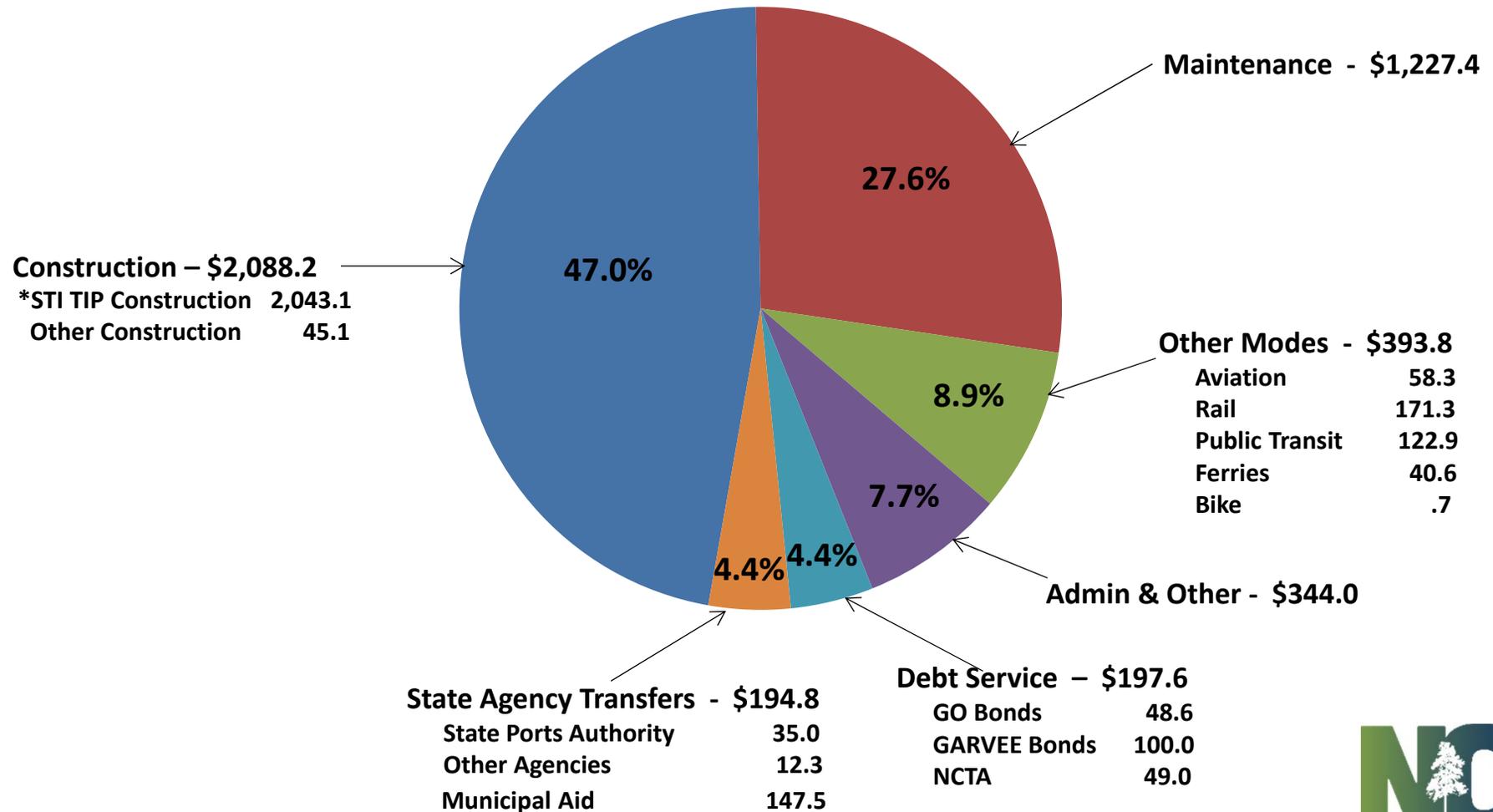
Unaudited Financial Report

Transportation

# Uses of 2015-16 NCDOT Appropriations

## Total Funding = \$4.4 Billion

(Excludes Receipt Supported Funding of \$0.1B)



(\$ in millions)

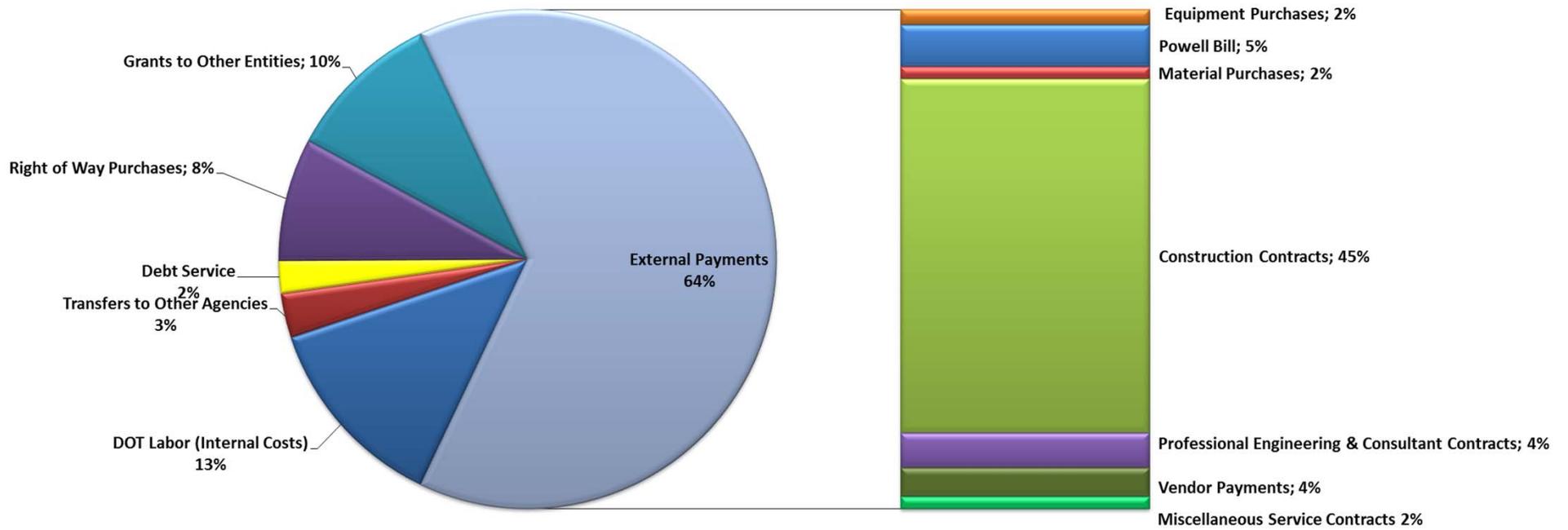


Unaudited Financial Report

Transportation

# NCDOT Expenditures

## SFY2016 as of December 31, 2015



# History of Outsourcing

## Construction, PE & Maintenance

### Direct Payments to Contractors – from Accounting System

LetMonth	2012	2013	2014	2015	2016
July	\$ 448,407,234.80	\$ 185,312,013.66	\$ 176,706,305.23	\$ 113,391,639.12	\$ 111,374,013.36
August	138,357,208.50	289,393,675.95	89,999,231.25	\$ 219,184,446.85	\$ 158,225,516.89
September	158,308,729.59	166,861,142.45	411,096,640.28	\$ 63,613,868.21	\$ 199,101,546.50
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	\$ 99,033,500.79
December	92,793,922.73	159,071,326.49	131,252,531.08	\$ 113,550,459.34	\$ 60,260,785.63
January	356,408,776.77	104,084,869.28	359,662,160.77	\$ 101,068,086.75	
February	246,292,023.88	164,653,616.54	160,656,840.86	\$ 164,939,003.95	
March	223,848,754.38	285,956,557.24	115,534,131.67	\$ 274,440,078.10	
April	173,734,294.47	125,968,286.35	472,735,059.92	\$ 127,275,019.12	
May	202,516,469.42	186,589,420.50	127,483,945.94	\$ 556,524,677.05	
June	341,428,007.73	103,102,151.15	309,412,638.16	\$ 334,569,314.45	
<b>Total</b>	<b>\$ 2,656,963,090.58</b>	<b>\$ 1,948,959,283.52</b>	<b>\$ 2,650,551,661.95</b>	<b>\$ 2,744,465,299.06</b>	<b>\$ 718,747,023.91</b>



REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS

**DIVISION 4**

U-5912	NEW ROUTE, NC 97 (ATLANTIC AVENUE) TO TANNER	RIGHT-OF-WAY	FY 2023 -	\$37,000	(T)
EDGECOMBE	ROAD. EXTEND ROUTE ON NEW LOCATION.	CONSTRUCTION	FY 2025 -	\$1,853,000	(T)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED DUE TO ADDITIONAL</u>			\$1,890,000	
REGIONAL	<u>REVENUE (HB 97)</u>				

**DIVISION 14**

* R-5771	SR 1690 (BROADPOINTE DRIVE), IMPROVE EXISTING	ENGINEERING	FY 2016 -	\$200,000	(APD)
HENDERSON	SR 1690 (BROADPOINTE DRIVE) TO 24 FEET PAVED	CONSTRUCTION	FY 2017 -	\$1,100,000	(APD)
PROJ.CATEGORY	ROADWAY AND REPLACE BRIDGE NO. 107.			\$1,300,000	
EXEMPT	<u>NEW PROJECT PROGRAMMED WITH APPALACHIAN</u>				
	<u>REGIONAL COMMISSION (ARC) LOCAL ACCESS ROAD</u>				
	<u>FUNDING TO SUPPORT NEW INDUSTRY.</u>				

**STATEWIDE**

* W-5700	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.				
STATEWIDE	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>				
	<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION -</u>				
	<u>STI CATEGORY PROGRAMMING SHOWN BELOW.</u>				

* W-5700DIV	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	CONSTRUCTION	FY 2016 -	\$600,000	(HSIP)
STATEWIDE	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2017 -	\$450,000	(HSIP)
PROJ.CATEGORY	<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION -</u>		FY 2018 -	\$450,000	(HSIP)
DIVISION	<u>DIVISION NEEDS CATEGORY.</u>		FY 2019 -	\$450,000	(HSIP)
			FY 2020 -	\$450,000	(HSIP)
			FY 2021 -	\$450,000	(HSIP)
				\$2,850,000	

* W-5700REG	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	CONSTRUCTION	FY 2016 -	\$600,000	(HSIP)
STATEWIDE	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2017 -	\$450,000	(HSIP)
PROJ.CATEGORY	<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION -</u>		FY 2018 -	\$450,000	(HSIP)
REGIONAL	<u>REGIONAL IMPACT CATEGORY.</u>		FY 2019 -	\$450,000	(HSIP)
			FY 2020 -	\$450,000	(HSIP)
			FY 2021 -	\$450,000	(HSIP)
				\$2,850,000	

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS

STATEWIDE

* W-5700SW	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	CONSTRUCTION	FY 2016 -	\$800,000	(HSIP)
STATEWIDE	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2017 -	\$600,000	(HSIP)
PROJ.CATEGORY	<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION -</u>		FY 2018 -	\$600,000	(HSIP)
STATEWIDE	<u>STATEWIDE STRATEGIC MOBILITY CATEGORY.</u>		FY 2019 -	\$600,000	(HSIP)
			FY 2020 -	\$600,000	(HSIP)
			FY 2021 -	\$600,000	(HSIP)
				\$3,800,000	

STIP MODIFICATIONS

DIVISION 3

* R-5023B	NC 53 (BURGAW HIGHWAY), SR 1116 (ONSLow PINES	RIGHT-OF-WAY	FY 2016 -	\$320,000	(STP)
ONSLow	ROAD) TO SR 1105 (HAWs RUN ROAD)	CONSTRUCTION	FY 2017 -	\$6,400,000	(STP)
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY IN FY 16 NOT PREVIOUSLY</u>			\$6,720,000	
TRANSITION	<u>PROGRAMMED.</u>				
* SF-4903F	NC 53, SR 1109 (HOLLY SHELTER ROAD).	RIGHT-OF-WAY	FY 2016 -	\$45,000	(HRRR)
ONSLow	REALIGNMENT AND LANE CONSTRUCTION.	CONSTRUCTION	FY 2016 -	\$195,000	(HRRR)
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY IN FY 16 NOT PREVIOUSLY</u>			\$240,000	
TRANSITION	<u>PROGRAMMED.</u>				

DIVISION 5

* B-5145	SR 1343 (JOHN BREWER ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$300,000	(HFB)
PERSON	720050 OVER SOUTH HYCO CREEK.	CONSTRUCTION	FY 2018 -	\$3,000,000	(HFB)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 17</u>			\$3,300,000	
HWY FUNDS	<u>AND CONSTRUCTION FROM FY 21 TO FY 18 AT</u>				
	<u>REQUEST OF DIVISION - PROJECT TO BE CLUSTERED</u>				
	<u>WITH B-5322 FOR LETTING.</u>				
I-5333B	I-440 / US 1, I-40 TO SR 1728 (WADE AVENUE). PHASE 2	CONSTRUCTION	FY 2017 -	\$850,000	(NHPIM)
WAKE	REHABILITATION ACTIVITIES.			\$850,000	
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 AT</u>				
TRANSITION	<u>REQUEST OF DIV 5.</u>				

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 5**

P-5706	NORFOLK SOUTHERN H LINE, EAST DURHAM SIDING.	RIGHT-OF-WAY	FY 2023 -	\$6,135,000	(T)
DURHAM	CONSTRUCT EXTENSION, TO INCLUDE COMBINATION	CONSTRUCTION	FY 2025 -	<u>\$36,500,000</u>	(T)
PROJ.CATEGORY	GRADE SEPARATIONS AND CLOSURES AT ELLIS ROAD			\$42,635,000	
STATEWIDE	SOUTH END CROSSING (734737A), GLOVER ROAD CROSSING (734735L), AND WRENN ROAD CROSSING (734736T) IN DURHAM.				
	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS</u>				

U-5750	NC 54, NC 540 TO PERIMETER PARK DRIVE IN	RIGHT-OF-WAY	FY 2020 -	\$9,000,000	(T)
WAKE	MORRISVILLE. ADD LANES.	UTILITIES	FY 2020 -	\$236,000	(T)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS</u>	CONSTRUCTION	FY 2023 -	<u>\$15,000,000</u>	(T)
REGIONAL				\$24,236,000	

**DIVISION 7**

* EL-4828A	MORGAN CREEK GREENWAY, PHASE 1	CONSTRUCTION	FY 2016 -	\$298,000	(STPDA)
ORANGE	<u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO</u>		FY 2016 -	<u>\$74,000</u>	(L)
PROJ.CATEGORY	<u>ALLOW MORE TIME FOR TOWN TO COMPLETE THE PE</u>			\$372,000	
TRANSITION	<u>AND R/W PHASES.</u>				

* EL-4828B	MORGAN CREEK GREENWAY, PHASE 2	CONSTRUCTION	FY 2016 -	\$730,000	(TAPDA)
ORANGE	<u>SEE BREAK 'A' COMMENT</u>		FY 2016 -	<u>\$182,000</u>	(L)
PROJ.CATEGORY				\$912,000	
TRANSITION					

**DIVISION 9**

* EB-4020C	BRUSHY FORK GREENWAY, LOWERY STREET TO	RIGHT-OF-WAY	FY 2016 -	\$20,000	(STPDA)
FORSYTH	REYNOLDS PARK ROAD		FY 2016 -	\$5,000	(L)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 15 TO FY 16 AND</u>	CONSTRUCTION	FY 2017 -	\$700,000	(STPDA)
TRANSITION	<u>CONSTRUCTION FROM FY 15 TO FY 17 TO ALLOW</u>		FY 2017 -	\$300,000	(STPEB)
	<u>ADDITIONAL TIME FOR CITY TO ACQUIRE R/W AND</u>		FY 2017 -	<u>\$175,000</u>	(L)
	<u>PREPARE FOR LETTING.</u>			\$1,200,000	

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 9**

* EB-5523	MUDDY CREEK / CEDAR TRAIL CONNECTION, CEDAR TRAIL TO MUDDY CREEK GREENWAY IN WINSTON-SALEM. CONSTRUCT MULTIUSE PATH AND PEDESTRIAN BRIDGE OVER MUDDY CREEK.	CONSTRUCTION	FY 2016 -	\$340,000	(STPDA)
FORSYTH			FY 2016 -	\$500,000	(STPEB)
PROJ.CATEGORY			FY 2016 -	\$85,000	(L)
TRANSITION				\$925,000	

DELAY CONSTRUCTION FROM FY 15 TO FY 16.  
FOLLOWING NEED FOR FLOOD STUDY, CITY  
REQUIRED MORE TIME TO PREPARE FOR LETTING.

R-2577A	US 158, MULTI-LANES NORTH OF US 421 / I-40 BUSINESS TO SR 1965 (BELEWS CREEK ROAD)	RIGHT-OF-WAY	FY 2020 -	\$3,900,000	(NHP)
FORSYTH			FY 2021 -	\$3,900,000	(NHP)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS</u>	UTILITIES	FY 2020 -	\$1,654,000	(NHP)
REGIONAL			FY 2021 -	\$1,654,000	(NHP)
		CONSTRUCTION	FY 2025 -	\$17,750,000	(NHP)
			POST YR-	\$17,750,000	(NHP)
				\$46,608,000	

U-2707	SR 3000 (IDOLS ROAD), SR 2999 (HAMPTON ROAD) TO US 158 IN CLEMMONS. CONSTRUCT TWO-LANE SHOULDER SECTION ON NEW LOCATION AND REPLACE BRIDGE 330109 OVER NORFOLK SOUTHERN RAILROAD.	CONSTRUCTION	FY 2016 -	\$12,400,000	(T)
FORSYTH				\$12,400,000	
PROJ.CATEGORY					
DIVISION	<u>DESCRIPTION REVISED TO CONFORM TO NEPA SCOPE AND PREFERRED ALTERNATIVE.</u>				

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 9**

* U-4741	VARIOUS, BICYCLE, PEDESTRIAN, AND	ENGINEERING	FY 2016 -	\$202,000	(STPDA)
DAVIE	TRANSPORTATION ALTERNATIVES PROGRAM (TAP)-		FY 2016 -	\$39,000	(TAPDA)
STOKES	ELIGIBLE PROJECTS IN THE WINSTON-SALEM URBAN		FY 2016 -	\$61,000	(L)
DAVIDSON	AREA METROPOLITAN PLANNING ORGANIZATION		FY 2017 -	\$310,000	(STPDA)
FORSYTH	(MPO) AREA..		FY 2017 -	\$39,000	(TAPDA)
PROJ.CATEGORY	<u>ADDS FUNDS TO PHASES NOT PREVIOUSLY</u>		FY 2017 -	\$88,000	(L)
DIVISION	<u>PROGRAMMED, AT REQUEST OF MPO.</u>		FY 2018 -	\$70,000	(STPDA)
			FY 2018 -	\$39,000	(TAPDA)
			FY 2018 -	\$28,000	(L)
			FY 2019 -	\$70,000	(STPDA)
			FY 2019 -	\$39,000	(TAPDA)
			FY 2019 -	\$28,000	(L)
			FY 2020 -	\$70,000	(STPDA)
			FY 2020 -	\$39,000	(TAPDA)
			FY 2020 -	\$28,000	(L)
			FY 2021 -	\$70,000	(STPDA)
			FY 2021 -	\$39,000	(TAPDA)
			FY 2021 -	\$28,000	(L)
			FY 2022 -	\$39,000	(TAPDA)
			FY 2022 -	\$10,000	(L)
			FY 2023 -	\$39,000	(TAPDA)
			FY 2023 -	\$10,000	(L)
			FY 2024 -	\$39,000	(TAPDA)
			FY 2024 -	\$10,000	(L)
			FY 2025 -	\$39,000	(TAPDA)
			FY 2025 -	\$10,000	(L)
		RIGHT-OF-WAY	FY 2016 -	\$404,000	(STPDA)
			FY 2016 -	\$79,000	(TAPDA)
			FY 2016 -	\$121,000	(L)
			FY 2017 -	\$620,000	(STPDA)
			FY 2017 -	\$79,000	(TAPDA)
			FY 2017 -	\$175,000	(L)
			FY 2018 -	\$140,000	(STPDA)
			FY 2018 -	\$79,000	(TAPDA)
			FY 2018 -	\$55,000	(L)
			FY 2019 -	\$140,000	(STPDA)
			FY 2019 -	\$79,000	(TAPDA)
			FY 2019 -	\$55,000	(L)
			FY 2020 -	\$140,000	(STPDA)
			FY 2020 -	\$79,000	(TAPDA)
			FY 2020 -	\$55,000	(L)
			FY 2021 -	\$140,000	(STPDA)
			FY 2021 -	\$79,000	(TAPDA)
			FY 2021 -	\$55,000	(L)
			FY 2022 -	\$79,000	(TAPDA)
			FY 2022 -	\$20,000	(L)
			FY 2023 -	\$79,000	(TAPDA)
			FY 2023 -	\$20,000	(L)
			FY 2024 -	\$79,000	(TAPDA)
			FY 2024 -	\$20,000	(L)
			FY 2025 -	\$79,000	(TAPDA)

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

DIVISION 9

		FY 2025 -	\$20,000	(L)
CONSTRUCTION		FY 2016 -	\$1,414,000	(STPDA)
		FY 2016 -	\$276,000	(TAPDA)
		FY 2016 -	\$423,000	(L)
		FY 2017 -	\$2,170,000	(STPDA)
		FY 2017 -	\$276,000	(TAPDA)
		FY 2017 -	\$612,000	(L)
		FY 2018 -	\$490,000	(STPDA)
		FY 2018 -	\$276,000	(TAPDA)
		FY 2018 -	\$192,000	(L)
		FY 2019 -	\$490,000	(STPDA)
		FY 2019 -	\$276,000	(TAPDA)
		FY 2019 -	\$192,000	(L)
		FY 2020 -	\$490,000	(STPDA)
		FY 2020 -	\$276,000	(TAPDA)
		FY 2020 -	\$192,000	(L)
		FY 2021 -	\$490,000	(STPDA)
		FY 2021 -	\$276,000	(TAPDA)
		FY 2021 -	\$192,000	(L)
		FY 2022 -	\$276,000	(TAPDA)
		FY 2022 -	\$69,000	(L)
		FY 2023 -	\$276,000	(TAPDA)
		FY 2023 -	\$69,000	(L)
		FY 2024 -	\$276,000	(TAPDA)
		FY 2024 -	\$69,000	(L)
		FY 2025 -	\$276,000	(TAPDA)
		FY 2025 -	\$69,000	(L)
			\$14,836,000	

* U-5539	VARIOUS, STREETScape IMPROVEMENT PROJECTS IN	ENGINEERING	FY 2016 -	\$187,000	(STPDA)
STOKES	THE WINSTON-SALEM URBAN AREA METROPOLITAN		FY 2016 -	\$47,000	(L)
DAVIDSON	PLANNING ORGANIZATION (MPO) AREA.	RIGHT-OF-WAY	FY 2016 -	\$120,000	(STPDA)
DAVIE	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>		FY 2016 -	\$30,000	(L)
FORSYTH	<u>THRESHOLDS</u>	CONSTRUCTION	FY 2016 -	\$2,192,000	(STPDA)
PROJ.CATEGORY			FY 2016 -	\$548,000	(L)
DIVISION				\$3,124,000	

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 10**

* B-5793 CABARRUS PROJ.CATEGORY DIVISION	SR 2443 (CROWELL ROAD), REPLACE BRIDGE 120201 OVER LITTLE BUFFALO CREEK. <u>RIGHT-OF-WAY ACCELERATED FROM FY 20 TO FY 17 AND CONSTRUCTION FROM FY 21 TO FY 17. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$20,000 (STPOFF) FY 2017 - <u>\$350,000</u> (STPOFF)	\$370,000
* B-5800 STANLY PROJ.CATEGORY DIVISION	SR 1253 (SAM ROAD), REPLACE BRIDGE 830160 OVER RAMSEY BRANCH. <u>RIGHT-OF-WAY ACCELERATED FROM FY 21 TO FY 16 AND CONSTRUCTION FROM FY 22 TO FY 17. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - \$10,000 (STPOFF) FY 2017 - <u>\$200,000</u> (STPOFF)	\$210,000
* B-5801 UNION PROJ.CATEGORY DIVISION	SR 2166 (PLYLER ROAD), REPLACE BRIDGE 890163 OVER POLE CAT CREEK. <u>RIGHT-OF-WAY ACCELERATED FROM FY 24 TO FY 17 AND CONSTRUCTION FROM FY 25 TO FY 17. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$15,000 (STPOFF) FY 2017 - <u>\$250,000</u> (STPOFF)	\$265,000
* R-2530B STANLY PROJ.CATEGORY REGIONAL	NC 24-27, BIRD ROAD IN ALBEMARLE TO WEST OF THE PEE DEE RIVER <u>DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND CONSTRUCTION FROM FY 19 TO FY 20 TO ALLOW ADDITIONAL TIME FOR PLANNING.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2018 - \$14,000,000 (T) FY 2018 - \$1,900,000 (T) FY 2020 - \$14,600,000 (T) FY 2021 - <u>\$14,600,000</u> (T)	\$45,100,000
R-3329 MECKLENBURG UNION PROJ.CATEGORY TRANSITION	US 74 BYPASS, I-485 (CHARLOTTE OUTER LOOP) TO PROJECT R-2559 (US 74 MONROE BYPASS). MULTI-LANE FREEWAY ON NEW LOCATION. <u>MODIFY PROJECT FUNDING AMOUNT AND FISCAL YEAR.</u>	CONSTRUCTION GARVEE CONSTR GARVEE RIGHT-O	FY 2017 - \$329,238,000 (BOND R) FY 2016 - \$1,097,000 (NHP) FY 2017 - \$1,097,000 (NHP) FY 2016 - \$16,012,000 (NHP) FY 2017 - <u>\$16,012,000</u> (NHP)	\$363,456,000

\* 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 DESIGN.</u>	CONSTRUCTION	FY 2017 - \$9,400,000 (STPDA) FY 2017 - <u>\$2,350,000</u> (L) \$11,750,000
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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 DESIGN.</u>	CONSTRUCTION	FY 2017 - \$7,160,000 (HP) FY 2017 - <u>\$1,790,000</u> (L) \$8,950,000
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* U-5805 MECKLENBURG PROJ.CATEGORY DIVISION	SR 1009 (MONROE ROAD), INTERSECTION OF SR 1009 (MONROE ROAD) AND RAMA ROAD/IDLEWILD ROAD. CONSTRUCT INTERSECTION IMPROVEMENTS.  <u>DELAY CONSTRUCTION FROM FY 19 TO FY 21 TO ALLOW ADDITIONAL TIME FOR UTILITY RELOCATION.</u>	CONSTRUCTION	FY 2021 - <u>\$3,400,000</u> (T) \$3,400,000
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**DIVISION 12**

* C-5186 GASTON PROJ.CATEGORY EXEMPT	GASTONIA, GASTONIA CCTV CAMERAS. INSTALL 6 CCTV CAMERAS TO THE EXISTING COMPURIZED TRAFFIC SIGNAL SYSTEM ON I-85 AT NC 7 (OZARK AVENUE); US 29/US 74 AT FRANKLIN SQUARE II; NC 279 (NEW HOPE ROAD) AT OZARK AVENUE; US 321 (CHESTER STREET) AT TULIP DRIVE-BULB AVENUE; NC 274 (BESSEMER CITY ROAD) AT NC 275 (DALLAS-BESSEMER CITY ROAD AND US 274 (UNION ROAD) AT SR 1255 (HUDSON BOULEVARD).  <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME TO ACQUIRE PERMITS.</u>	CONSTRUCTION	FY 2016 - \$98,000 (CMAQ) FY 2016 - \$25,000 (L) \$123,000
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* 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 - <u>\$124,000</u> (L) \$620,000
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\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 12**

* C-5562 GASTON PROJ.CATEGORY EXEMPT	GASTONIA, BIKE AND PEDESTRIAN IMPROVEMENTS BETWEEN DOWNTOWN AND LINEBERGER PARK. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>	CONSTRUCTION	FY 2016 - \$225,000 (CMAQ) FY 2016 - <u>\$58,000</u> (L) \$283,000
* 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 - \$640,000 (STPEB) FY 2016 - <u>\$160,000</u> (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 - <u>\$480,000</u> (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 TIME TO RESOLVE ISSUE WITH CITY.</u>	CONSTRUCTION	FY 2016 - <u>\$300,000</u> (STPEB) \$300,000
* 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 GREEWAY. <u>DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR RIGHT OF WAY ACQUISITION.</u>	CONSTRUCTION	FY 2016 - <u>\$430,000</u> (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.</u>	CONSTRUCTION	FY 2016 - <u>\$410,000</u> (STPEB) \$410,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 12**

* P-5200D GASTON PROJ.CATEGORY TRANSITION	P & N CORRIDOR REACTIVATION, BELMONT SPUR <u>ADD RIGHT-OF-WAY IN FY 17. DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$50,000 (STPE) FY 2017 - <u>\$850,000</u> (STPE) \$900,000
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* R-5100 IREDELL PROJ.CATEGORY DIVISION	SR 1109 (WILLIAMSON ROAD), I-77 TO NC 150. WIDEN TO MULTI-LANES. <u>RIGHT OF WAY ACCELERATED FROM FY 20 TO FY 19 AND CONSTRUCTION FROM FY 22 TO FY 21. PROJECT ACCELERATED IN THE PROGRAM DUE TO ADDITIONAL REVENUE (HB 97).</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2019 - \$3,000,000 (T) FY 2019 - \$1,100,000 (T) FY 2021 - \$10,150,000 (T) FY 2022 - \$10,150,000 (T) \$24,400,000
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**DIVISION 14**

B-4792 POLK PROJ.CATEGORY DIVISION	SR 1102 (PEARSON FALLS), REPLACE BRIDGE 740004 OVER FORK CREEK (SMALL BRANCH OF PACOLET RIVER). <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>	CONSTRUCTION	FY 2017 - <u>\$650,000</u> (STPOFF) \$650,000
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**STATEWIDE**

* SR-5001 STATEWIDE PROJ.CATEGORY DIVISION	VARIOUS, SAFE ROUTES TO SCHOOL PROGRAM. PROJECTS TO IMPROVE SAFETY, REDUCE TRAFFIC, FUEL CONSUMPTION AND AIR POLLUTION IN VICINITY OF SCHOOLS. <u>ADD CONSTRUCTION IN FY 16 AND FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF DIVISION OF BICYCLE AND PEDESTRIAN TRANSPORTATION.</u>	CONSTRUCTION	FY 2016 - \$3,100,000 (SRTS) FY 2017 - <u>\$500,000</u> (SRTS) \$3,600,000
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STIP DELETIONS

**DIVISION 3**

U-5877 ONSLow PROJ.CATEGORY DIVISION	NC 53 (WESTERN BOULEVARD), SR 1308 (GUM BRANCH ROAD). IMPROVE INTERSECTION. <u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT U-5319.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2019 - \$180,000 (T) FY 2020 - <u>\$750,000</u> (T) \$930,000
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\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP DELETIONS

**DIVISION 5**

I-5702C	I-40, SR 1728 (WADE AVENUE) TO I-440 / US 64 (EXIT	RIGHT-OF-WAY	FY 2024 -	\$795,000	(T)
WAKE	301).		FY 2025 -	\$794,000	(T)
PROJ.CATEGORY	<u>DELETE AT THE REQUEST OF MPO - PROJECT WILL</u>	UTILITIES	FY 2024 -	\$600,000	(T)
STATEWIDE	<u>NOT BE SUBMITTED FOR SCORING IN PRIORITIZATION</u>		FY 2025 -	\$600,000	(T)
	<u>4.0.</u>	CONSTRUCTION	POST YR-	\$439,409,000	(T)
			POST YR-	\$73,380,000	(BOND R)
				\$515,578,000	

**DIVISION 9**

B-5781	SR 2999 (HAMPTON ROAD), REPLACE BRIDGE 330109	RIGHT-OF-WAY	FY 2021 -	\$120,000	(HFB)
FORSYTH	OVER NORFOLK SOUTHERN RAILROAD.	CONSTRUCTION	FY 2023 -	\$1,200,000	(HFB)
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>			\$1,320,000	
HWY FUNDS	<u>PROJECT U-2707.</u>				

\* INDICATES FEDERAL AMENDMENT



## *NEPA/404 MERGER PROCESS*

February 3, 2016

Richard W. Hancock, PE



# *Background*

- **National Environmental Policy Act of 1969**
- **Clean Water Act of 1977 as amended**

## **Both Acts require:**

- **Identification of a purpose and need**
- **Identification of full range of alternatives**
- **Public notices and opportunity for Public Hearing and comment**



# *Background*

## **National**

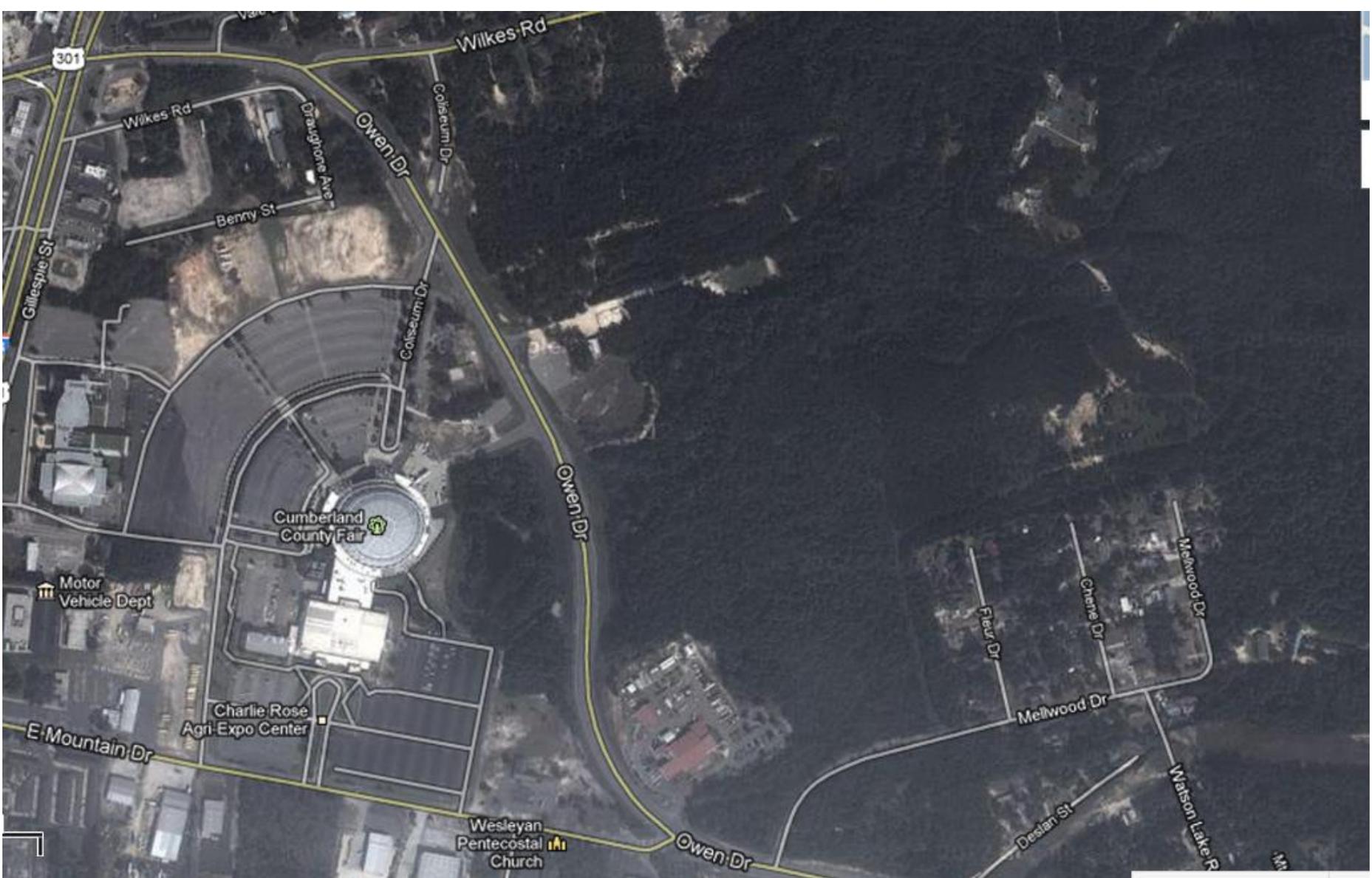
- **ISTEA (1991)**
- **1992 Federal MOA between FHWA and USACE**
- **TEA 21 (1998, Environmental Streamlining)**
- **SAFETEA-LU (2005)**
- **MAP 21 (2012)**

## **North Carolina**

- **Experiencing substantial delays in project development and permitting**
- **Tailored Federal merger model to North Carolina**
- **1997 MOA - FHWA, NCDOT, USACE-Wilmington**





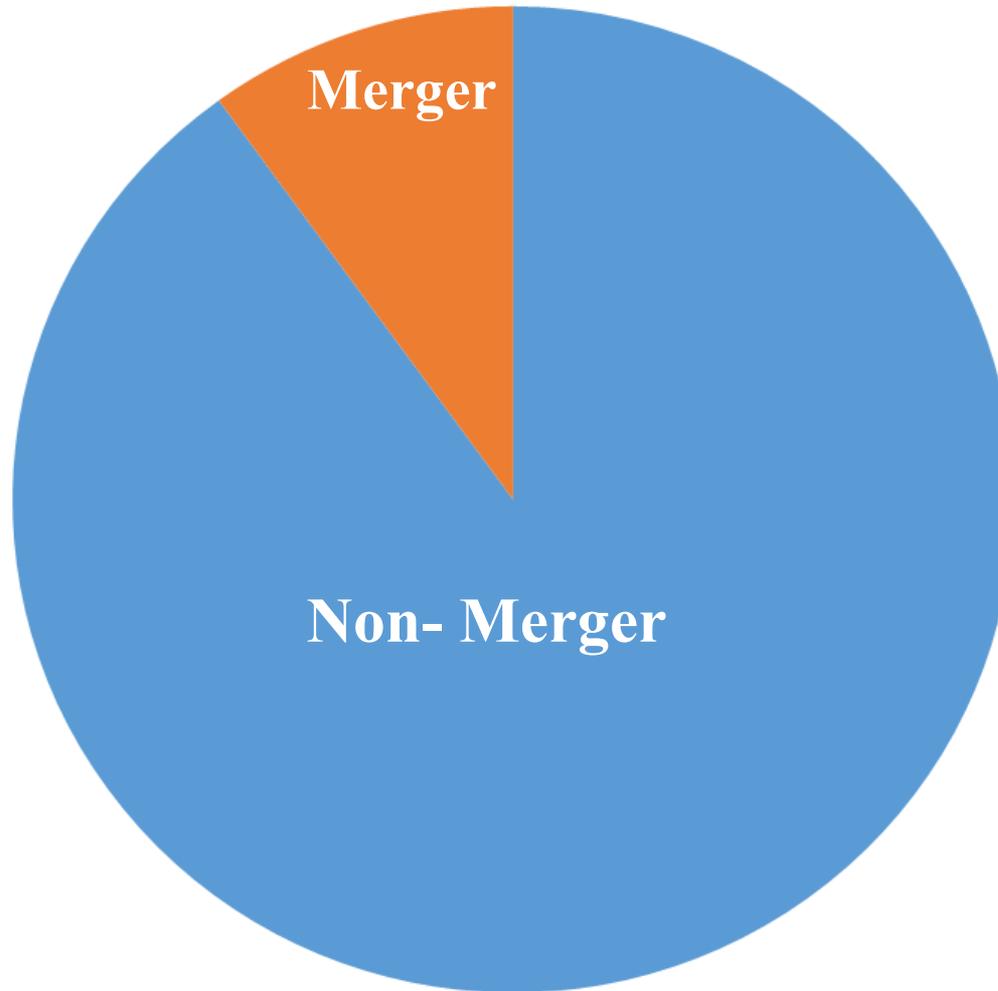


# *What is Merger?*

- **Shared decision-making process to streamline project development and permitting**
- **Cooperation and collaboration among NCDOT, FHWA, and all state and federal regulatory and review agencies**
- **Allows competing agency mandates to be balanced during shared decision making**



# *What is Merger?*



**PDEA PROJECTS**



# *What is Merger?*

**Agencies that have statewide regulatory or discretionary authority over road development projects:**

- **USACE**
- **NCDEQ (DWR)**
- **USEPA**
- **FHWA**
- **USFWS**
- **NCWRC**
- **NCDCR**
- **NCDOT**
- **Metropolitan Planning Organizations**
- **Rural Planning Organizations**



# *What is Merger?*

**Participation from the following agencies will be requested if within respective geographic areas:**

- **NOAA (NMFS)**
- **NCDEQ (DCM)**
- **US Forest Service**
- **National Park Service**
- **US Coast Guard**
- **US Forest Service**
- **Tennessee Valley Authority**
- **Eastern Band of Cherokee Nation**



# *Concurrence*

**Each team member and the agency that he/she represents has no objections to the decisions made at defining points in the project development process and pledges to abide by the decision made unless there is a profound changed condition.**



# *Overview of Concurrence Points*

**CP 1-Purpose and Need and Study Area Defined:** The foundation upon which justification of the project is established.



# Overview of Concurrence Points

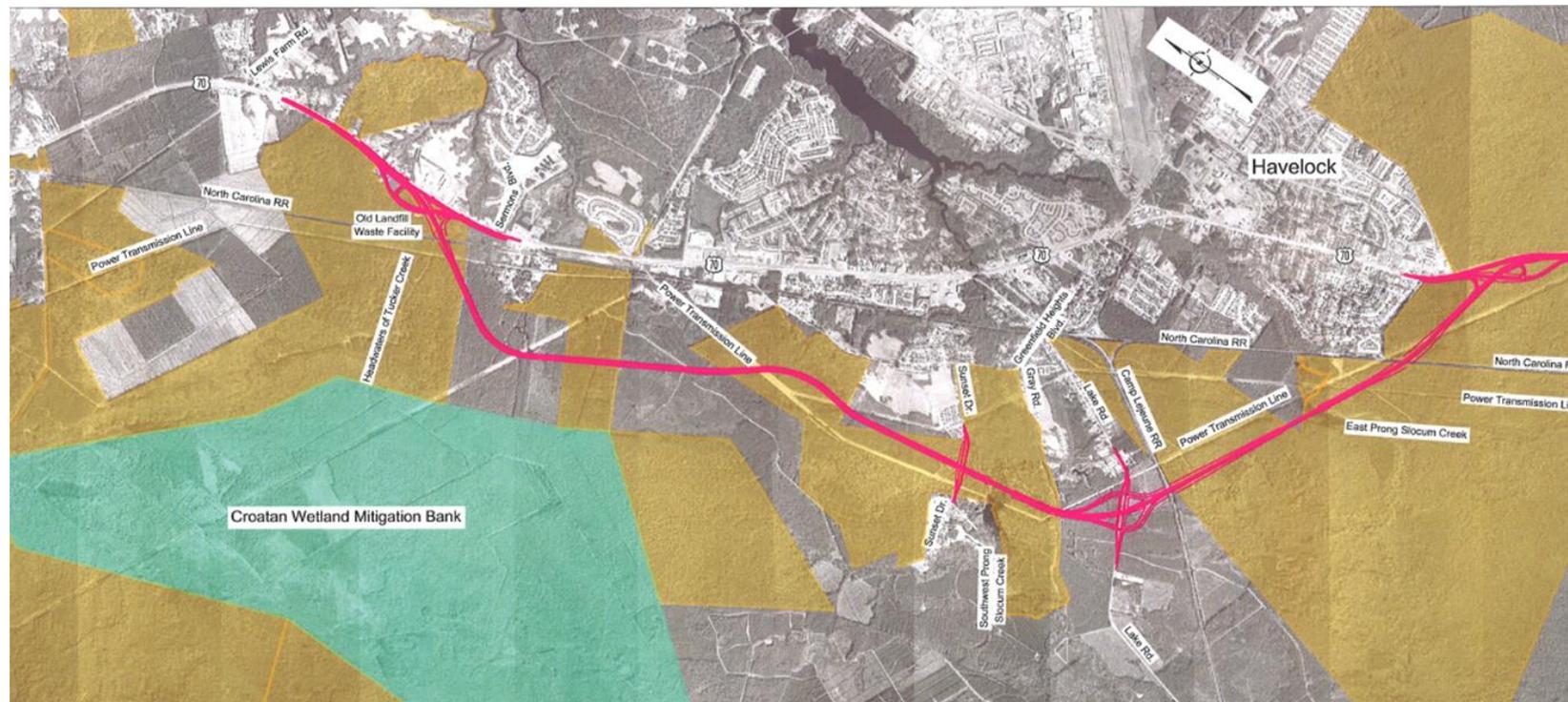
- **CP 2-Detailed Study Alternatives Carried Forward:**  
Alternatives which satisfy the purpose and need for the project. These alternatives will be studied and evaluated in sufficient detail to ensure good transportation and permit decision making.





## Overview of Concurrence Points

- **CP 3 - LEDPA / Preferred Alternative Selection:** The alternative selected as the “least environmentally damaging practicable alternative or LEDPA (NEPA preferred alternative), through the project development and permitting.





# *Conflict / Dispute Resolution*

- **First Level Review – Merger Management Team**
- **Resolved - Continue with merger process**
- **Not Resolved - Elevate to Review Board**



# *Parting Thoughts.....*

- **The Merger Process is a structured process to assure compliance with legal requirements and that all appropriate issues are adequately addressed**
- **Although the process is structured, it allows for collaboration and flexibility**
- **The Project Team is empowered to make decisions that move a project forward**
- **A relatively small number of NCDOT projects go through Merger**
- **Big payoffs late in the process**
- **Permitting time reduced and no Permit denials**





Board of Transportation, February 4, 2016

*Product Evaluation Program Awareness*

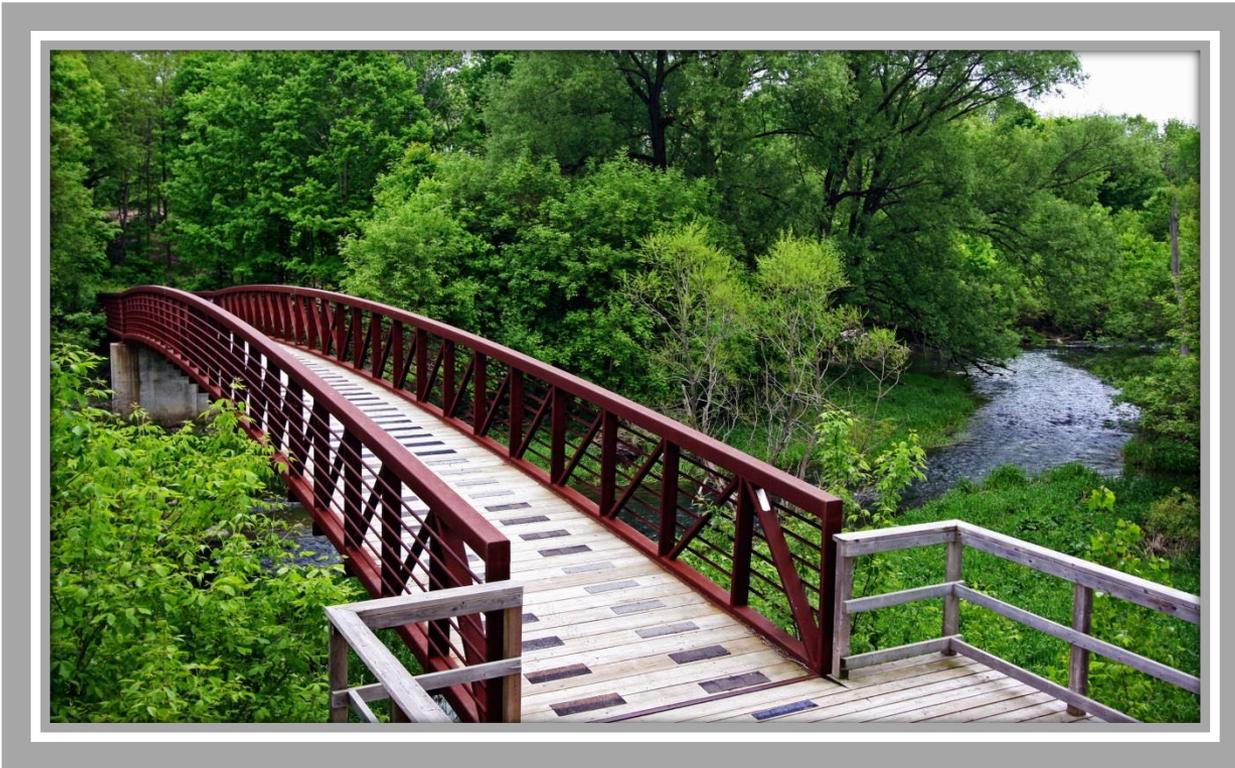
Jessica Kuse, PE



# *Product Highlight (Approved)*

## *Pratt Truss Bridge*

- Pratt Truss Bridge Was Recently Approved For Use
- Pre-fabricated in a Controlled Shop and Installed Onsite
- Used as Pedestrian Bridges or Trail Bridges



Weathering Steel picture from Bridge Brothers Inc.

# *Product Highlight (Under Evaluation)*

## *Portable Lookout Alert System*

- Water-resistant Handheld Transmitter and Compact Receiver
- Used to Notify Workers on Construction Sites of Potential Danger
- Could be Used to Notify Workers of a Vehicle Entering a Worksite



Picture courtesy of <http://gilcomindustries.com/alarm1.html>



Transportation

# JOINT COMMITTEE MEETING (FAST/EDIR) MEETING MINUTES

DATE: 1/6/2016 TIME: 2:00 LOCATION: 150

<b>MEETING CALLED BY</b>	Chairwoman Cheryl McQueary
<b>BOARD ATTENDEES</b>	FAST Chairwoman Cheryl McQueary, EDIR Chairman Terry Hutchens, FAST Vice Chairman Jim Crawford, EDIR Vice Chairman Hugh Overholt, Mr. David Brown, Mr. John Lennon, Mr. Patrick Molamphy, Mr. Gus Tulloss, Mr. Jack Debnam, Ms. Sandra Fountain, Ms. Tracy Dodson, Mr. Jake Alexander, Mr. Jeff Sheehan, Mr. Lou Wetmore, Mr. David Tyeryar (staff)

## AGENDA TOPICS

<b>1. MEETING CALL TO ORDER AND APPROVAL OF DECEMBER MINUTES – CHAIRWOMAN MCQUEARY</b>	
<b>DISCUSSION SUMMARY</b>	Moved by Mr. Debnam, seconded by Mr. Crawford
<b>ACTIONS TAKEN</b>	Approved unanimously

<b>2. STRATEGIC TRANSPORTATION CORRIDORS – KERRY MORROW AND TERRY ARELLANO</b>	
<b>DISCUSSION SUMMARY</b>	Presentation: Gave an overview of Strategic Transportation Corridor (STC) policy and network adopted by NC BOT in March 2015 and presented a vision for the next steps of STC through corridor planning.
<b>ACTIONS TAKEN</b>	Information only. No action taken.

<b>3. EQUAL OPPORTUNITY UPDATE – MARCI WRIGHT</b>	
<b>DISCUSSION SUMMARY</b>	Presentation: USDOT DBE program addresses discrimination and its continuing effects by providing opportunities for disadvantaged businesses to fairly compete for Federally-assisted State and local contracts for transportation projects. Presentation covered available EEO programs, opportunities for small and disadvantaged firms, Disadvantaged Business Enterprise Program, DBE Current State Assessment, Unified Certification Program, New rules, available assistance from EEO.
<b>ACTIONS TAKEN</b>	Information only. No action taken.

Adjourned 3:05



# ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS COMMITTEE AGENDA

## BOARD OF TRANSPORTATION FEBRUARY 3, 2016

**TIME: 1:30PM**

**LOCATION: Room 150**

<b>TOPIC</b>	<b>PRESENTER</b>	<b>TIME</b>
Welcome	Terry Hutchens, Chair	1:30-1:35
NC Commerce Rural Grant	George Collier	1:35-2:00
NC Commerce Utility Fund	Mark Poole	2:00-2:25
NC Commerce CDBG infrastructure Fund	George Sherrill	2:25-2:50
Transportation Planning Branch (TPB) Comprehensive Transportation Plan (CTP) 2.0	Patrick Norman	2:50-3:20
Discussion & Adjourn	All	3:20-3:30



February 3, 2016  
*CTP 2.0 Update*

NCDOT Transportation Planning Branch



# *NCDOT Transportation Planning Branch*

Primarily responsible for:

- Development of Comprehensive Transportation Plans (CTPs) for areas within NC
- Ensuring planning requirements are met for 19 MPOs and 18 RPOs
- Collection of all types of traffic and travel data on the State Highway System
- Traffic forecasts for project planning and design

TPB works with a large number of planning partners including MPOs, RPOs, other governmental entities, NCDOT Division Offices, other branches within NCDOT, resource agencies, and consultants



# *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*

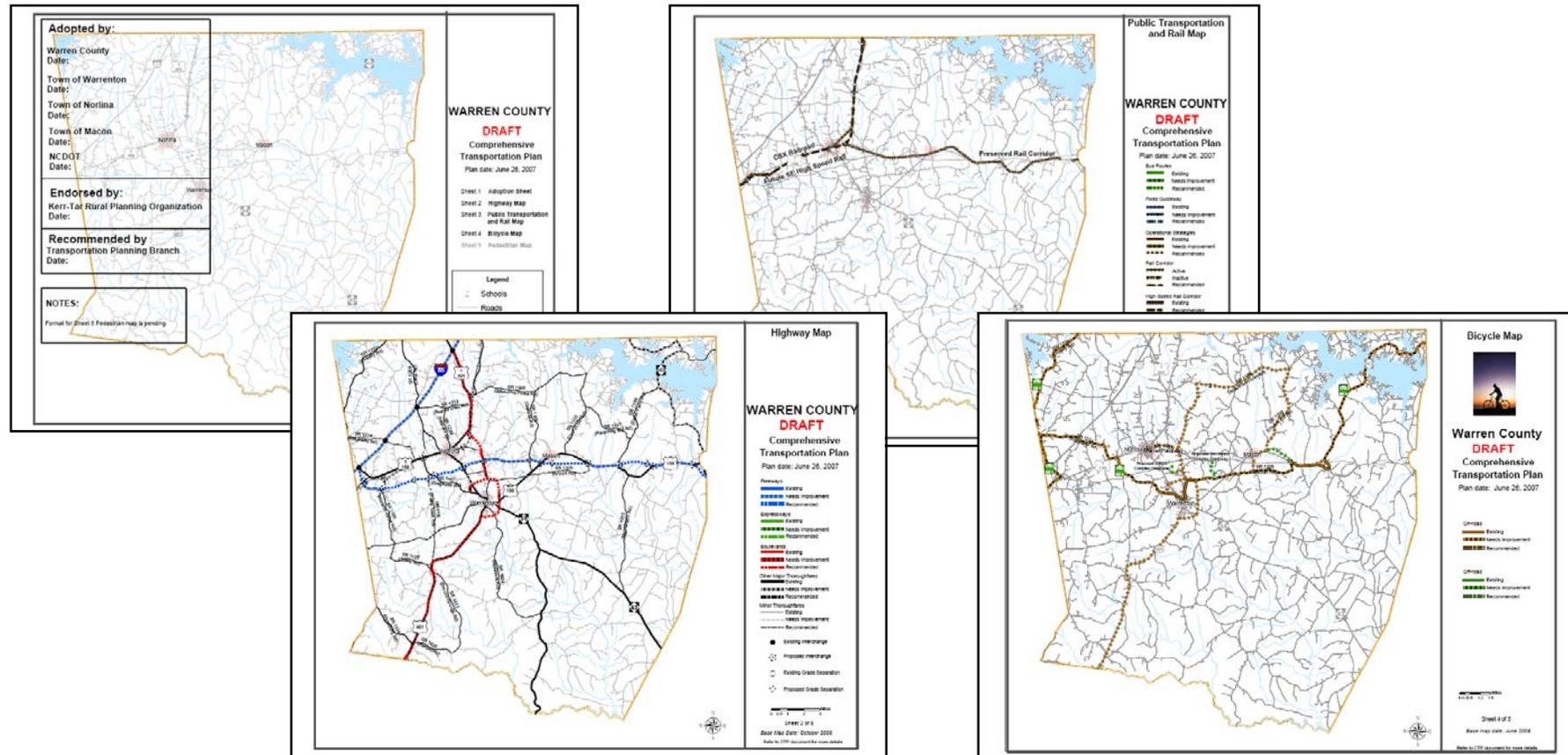
- Is a Long-Range, multimodal transportation plan (highway, public transportation/rail, bicycle and pedestrian).
- Is developed cooperatively with NCDOT, the RPO/MPO, County and Municipal stakeholders.
- Emphasizes the local land development plan as well as community and statewide goals such as the protection of Strategic 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.*

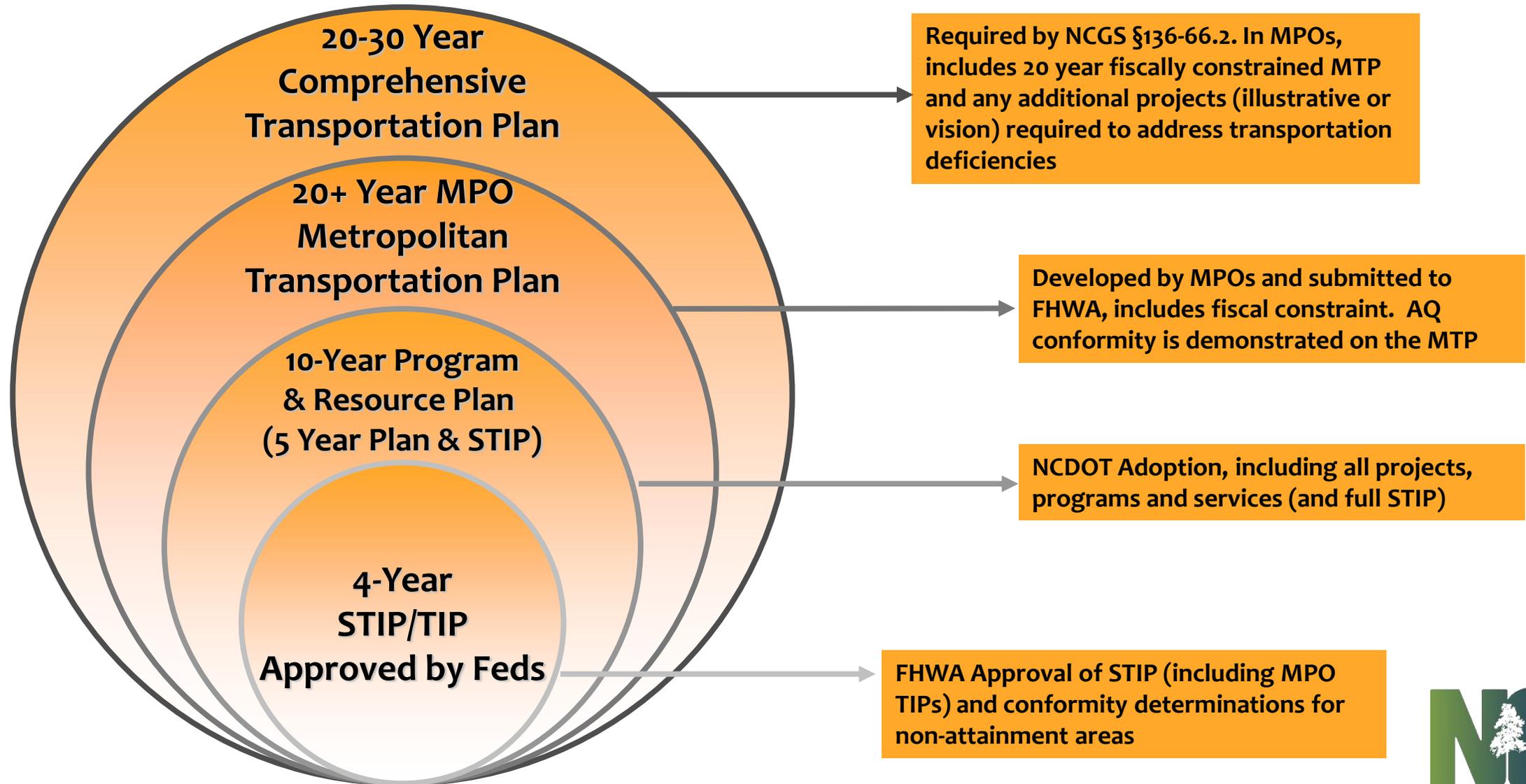


# Current CTP maps

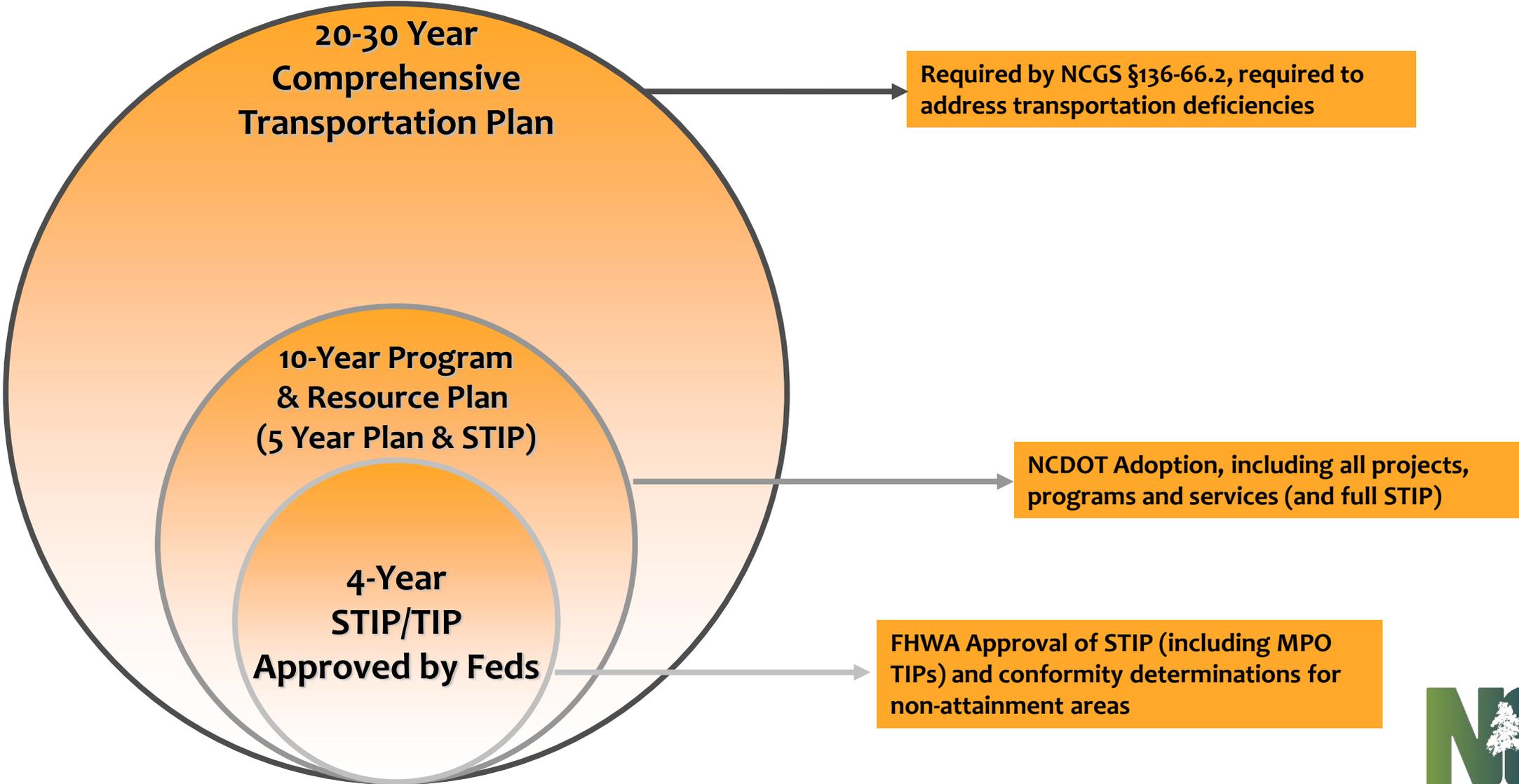
Board Adoption only includes the 4 multi-modal CTP maps (highway, public transportation / rail, bicycle, pedestrian) and a cover sheet.



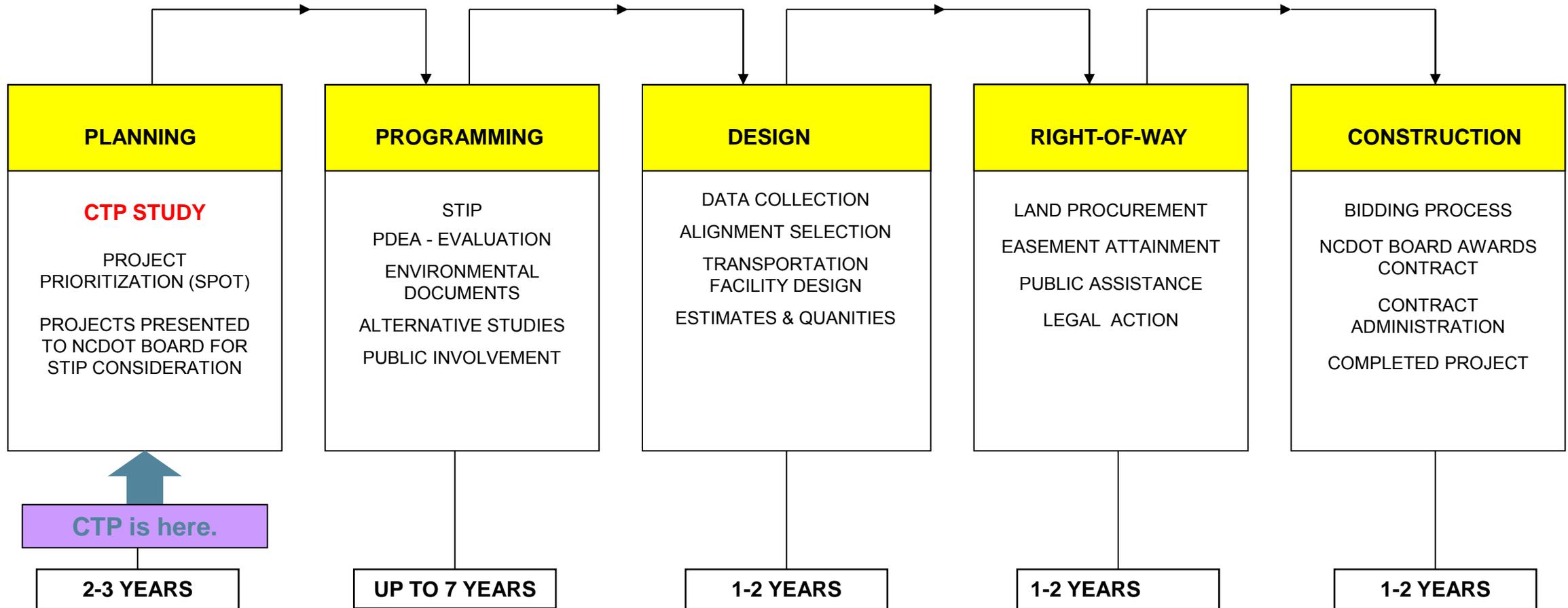
# Transportation Planning Framework - MPOs



# Transportation Planning Framework - RPOs



# Typical Stages of NCDOT Project Development



# *Purpose of CTP 2.0 effort*

With the exception of adding a pedestrian element, the format of the CTP maps has been basically unchanged since 2001.

Things have changed over the last 15 years:

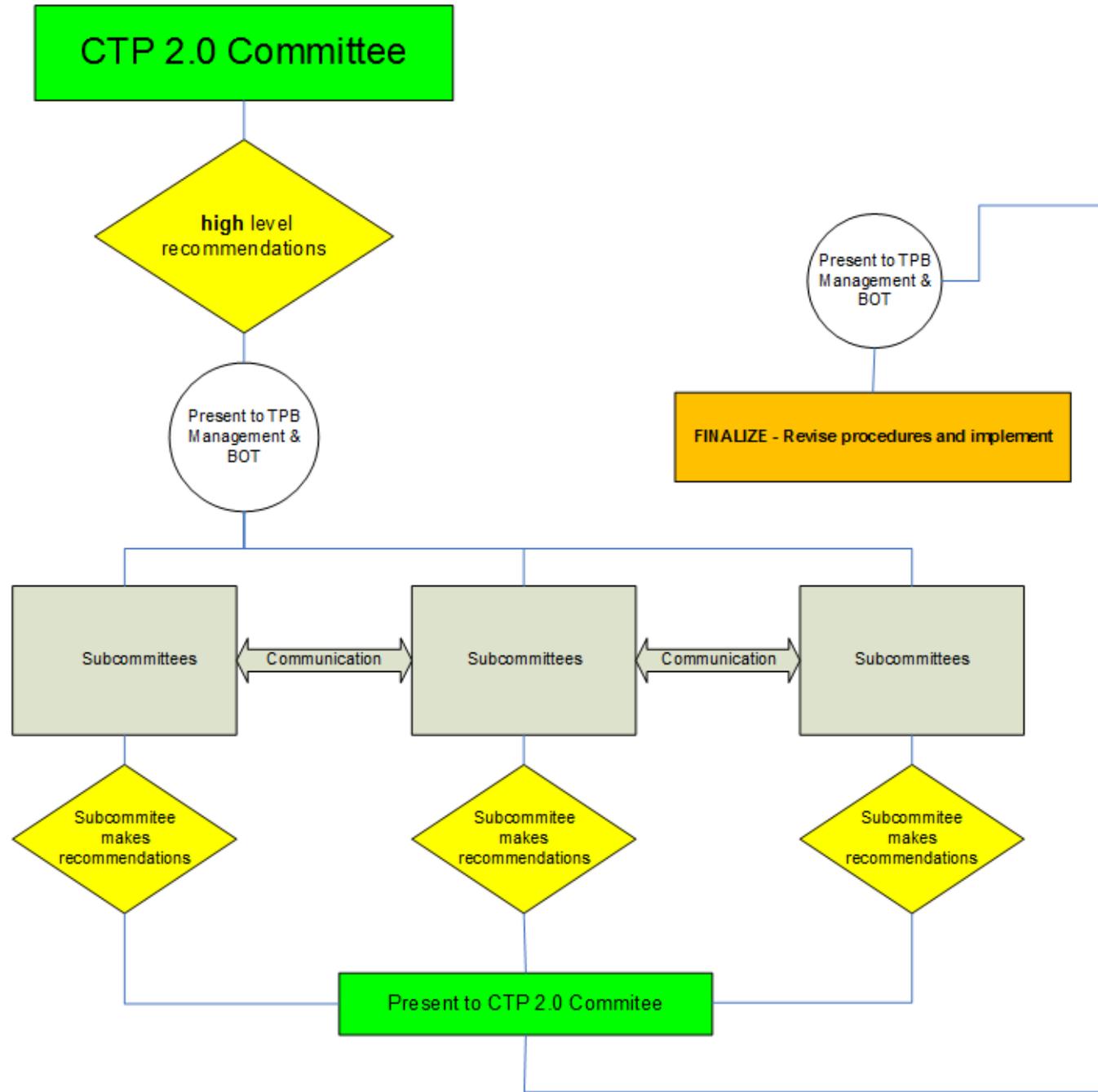
- Complete Streets
- STI / prioritization
- Changes to online mapping applications
- Customer feedback (external/internal)

**There is a strong desire to optimize limited resources and improve customer service.**



# *Completed Tasks*

- **Steering committee** (DOT / MPOs / RPOs/ FHWA has met 10 times)
- **Feedback gathering**
- **Consensus on some items**
- **“Charge” to subcommittees**



# *Feedback Gathering*

Considerable feedback and opinions! (almost 500 responses)

- Survey Monkey (online survey)
- Sticky Note exercises with TPB staff, RPOs, and CTP 2.0 committee

# *Customer Feedback Highlights*

- Make more user friendly
- Update the maps
- Funding Process
- More Frequent Updates
- Improve public involvement
- Shorten CTP process

# *Committee Consensus Highlights*

- CTPs should include planning level cost estimates, consistent with SPOT
- Fiscal realism (handled by RPOs)
- Reports should be streamlined
- Align maps with some current classification system
- Consider moving to format to a web-based version
- Consider 1 or 2 poster size CTP maps to replace current multiple maps
- Integrate SPOT prioritization mapping with CTP maps

# *CTP 2.0 Subcommittees*

- Mapping
- Report
- Problem Statement
- Fiscal Realism (handled by RPOs)
- Process (future) – including BOT adoption protocol

Timeline – subcommittees 6-8 months, except Process

*Questions / Comments  
Suggestions / Feedback*



Transportation

# JOINT COMMITTEE MEETING (FAST/EDIR) MEETING MINUTES

DATE: 1/6/2016 TIME: 2:00 LOCATION: 150

<b>MEETING CALLED BY</b>	Chairwoman Cheryl McQueary
<b>BOARD ATTENDEES</b>	FAST Chairwoman Cheryl McQueary, EDIR Chairman Terry Hutchens, FAST Vice Chairman Jim Crawford, EDIR Vice Chairman Hugh Overholt, Mr. David Brown, Mr. John Lennon, Mr. Patrick Molamphy, Mr. Gus Tulloss, Mr. Jack Debnam, Ms. Sandra Fountain, Ms. Tracy Dodson, Mr. Jake Alexander, Mr. Jeff Sheehan, Mr. Lou Wetmore, Mr. David Tyeryar (staff)

## AGENDA TOPICS

<b>1. MEETING CALL TO ORDER AND APPROVAL OF DECEMBER MINUTES – CHAIRWOMAN MCQUEARY</b>	
<b>DISCUSSION SUMMARY</b>	Moved by Mr. Debnam, seconded by Mr. Crawford
<b>ACTIONS TAKEN</b>	Approved unanimously

<b>2. STRATEGIC TRANSPORTATION CORRIDORS – KERRY MORROW AND TERRY ARELLANO</b>	
<b>DISCUSSION SUMMARY</b>	Presentation: Gave an overview of Strategic Transportation Corridor (STC) policy and network adopted by NC BOT in March 2015 and presented a vision for the next steps of STC through corridor planning.
<b>ACTIONS TAKEN</b>	Information only. No action taken.

<b>3. EQUAL OPPORTUNITY UPDATE – MARCI WRIGHT</b>	
<b>DISCUSSION SUMMARY</b>	Presentation: USDOT DBE program addresses discrimination and its continuing effects by providing opportunities for disadvantaged businesses to fairly compete for Federally-assisted State and local contracts for transportation projects. Presentation covered available EEO programs, opportunities for small and disadvantaged firms, Disadvantaged Business Enterprise Program, DBE Current State Assessment, Unified Certification Program, New rules, available assistance from EEO.
<b>ACTIONS TAKEN</b>	Information only. No action taken.

Adjourned 3:05



# FUNDING & APPROPRIATION STRATEGIES COMMITTEE (FAST) AGENDA

## BOARD OF TRANSPORTATION FEBRUARY 3, 2016

TIME: 1:30 – 2:30 p.m.

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order - Approval of October/November minutes	Cheryl McQueary, Chair	
Right of Way	Tom Childrey	30 minutes
Equipment Replacement	Scott Capps	15 minutes
Facilities Management Division	Priscilla Williams	15 minutes
Comments and Wrap-up	Cheryl McQueary, Chair	



Funding and Appropriation Strategies  
February 3, 2016  
*NCDOT Equipment Replacement*  
Scott Capps, PE, CEM



# *NCDOT Equipment Replacement Program*

## **Financing**

- Revolving Fund
- Rental Rate Calculator

## **Analysis**

- ECU/UNCC Analysis Tool
- Disposition 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

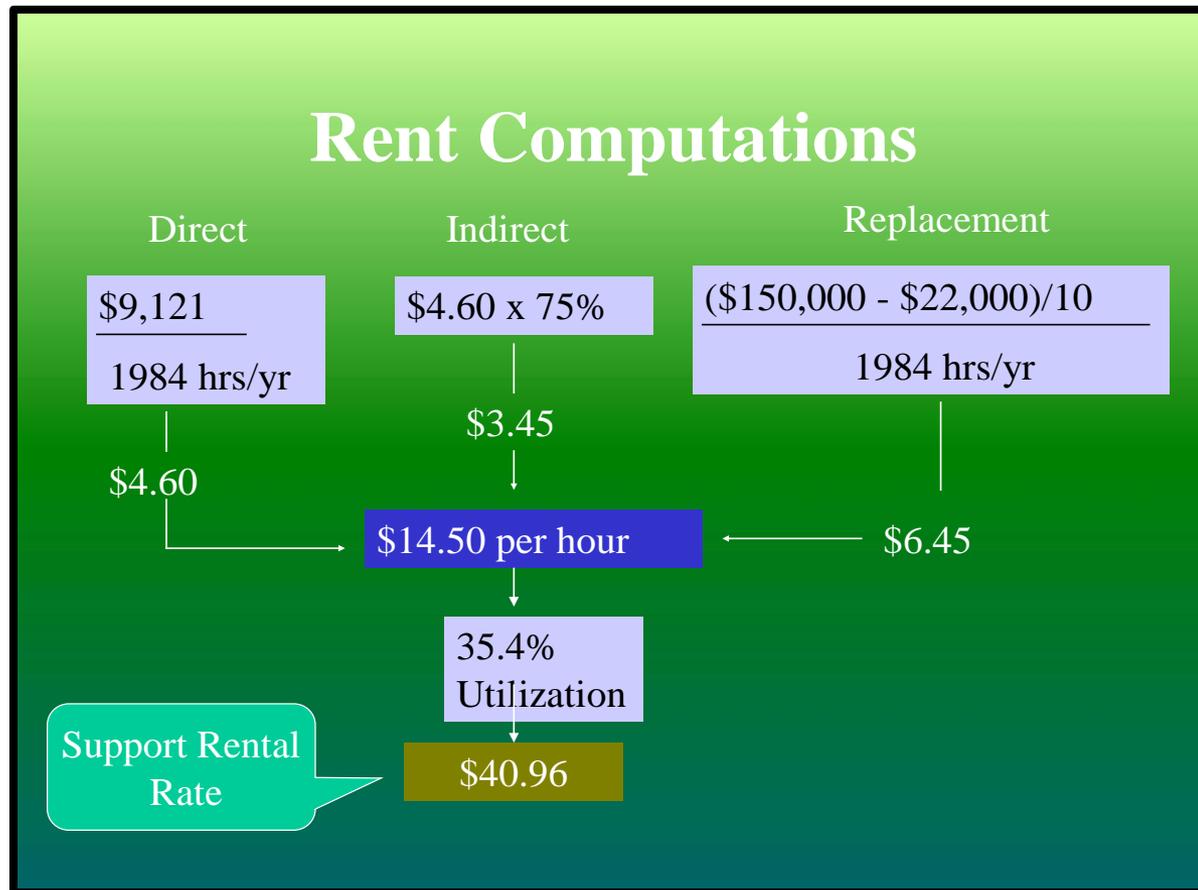
## Rental Rate Calculator (Example)

- 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 versus replace tools or policies that target specific assets needing expensive repairs.**
- ECU/UNCC Research Project (Example ½-ton Pick-ups)
  - Disposal Analysis
  - Utilization Report
  - Rent versus Own



**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

**Economic Analyses**

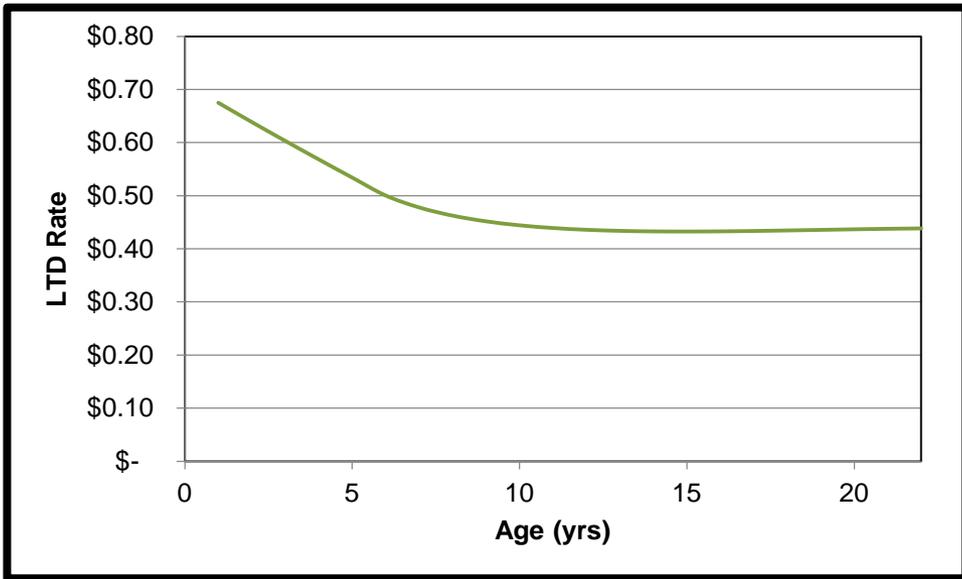
**Input Values**

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**

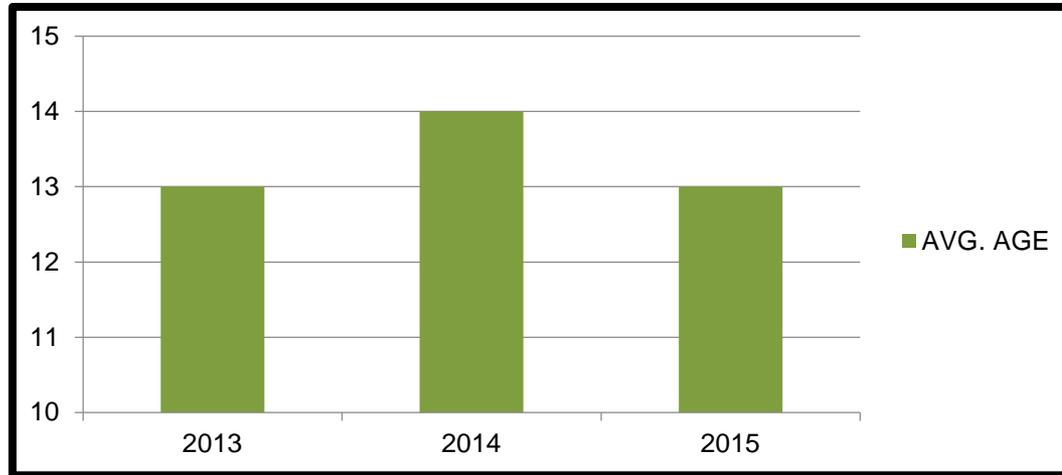
	Current Fleet	Reduced Fleet Size and Limited Annual Usage Decline					
	0 %	10 %	20 %	30 %	40 %	50 %	
Fleet reduction	0 %	0 %	10 %	20 %	30 %	40 %	50 %
Number of units	2,208	2,208	1,987	1,766	1,546	1,325	1,104
Initial usage (Miles)	17,231	14,464	15,708	17,281	19,311	22,532	26,467
Annual usage decline (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

## 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 versus Own

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

## Repair versus 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



# Fair Share

YEAR	# UNITS	FUNDING		
		VEHICLES/EQUIP	SNOW AND ICE	TOTAL
2012	1269	\$34,176,760	\$1,993,870	\$36,170,630
2013	1549	\$39,907,513	\$2,392,826	\$42,300,339
2014	1381	\$36,842,150	\$2,323,333	\$39,165,483
2015	1461	\$37,549,150	\$2,967,739	\$40,516,889
2016	1381	\$33,375,050	\$3,013,345	\$36,388,395



## *Fair Share 2016*

Unit	Rent Paid	% Total Rents	Initial Allocation	Adjustment	Fair Share
Division 1	\$11,099,871	7.10%	\$ 2,415,137		\$ 2,415,137
Division 2	\$ 9,122,390	5.84%	\$ 1,984,872		\$ 1,984,872
Division 3	\$ 8,868,408	5.68%	\$ 1,929,610		\$ 1,929,610
Division 4	\$ 9,995,728	6.40%	\$ 2,174,895	\$ (4,080)	\$ 2,170,815
Division 5	\$10,089,651	6.46%	\$ 2,195,331		\$ 2,195,331
Division 6	\$10,466,070	6.70%	\$ 2,277,233		\$ 2,277,233
Division 7	\$11,448,470	7.33%	\$ 2,490,986		\$ 2,490,986
Division 8	\$11,314,949	7.24%	\$ 2,461,935		\$ 2,461,935
Division 9	\$ 9,924,742	6.35%	\$ 2,159,450	\$ (24,750)	\$ 2,134,700
Division 10	\$10,989,291	7.03%	\$ 2,391,077	\$ (87,265)	\$ 2,303,812
Division 11	\$12,042,584	7.71%	\$ 2,620,255	\$ (58,440)	\$ 2,561,815
Division 12	\$ 9,767,885	6.25%	\$ 2,125,321		\$ 2,125,321
Division 13	\$13,249,777	8.48%	\$ 2,882,919		\$ 2,882,919
Division 14	\$11,356,700	7.27%	\$ 2,471,019	\$ (18,700)	\$ 2,452,319



*Questions?*





Funding & Appropriations Strategies Committee  
February 3, 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

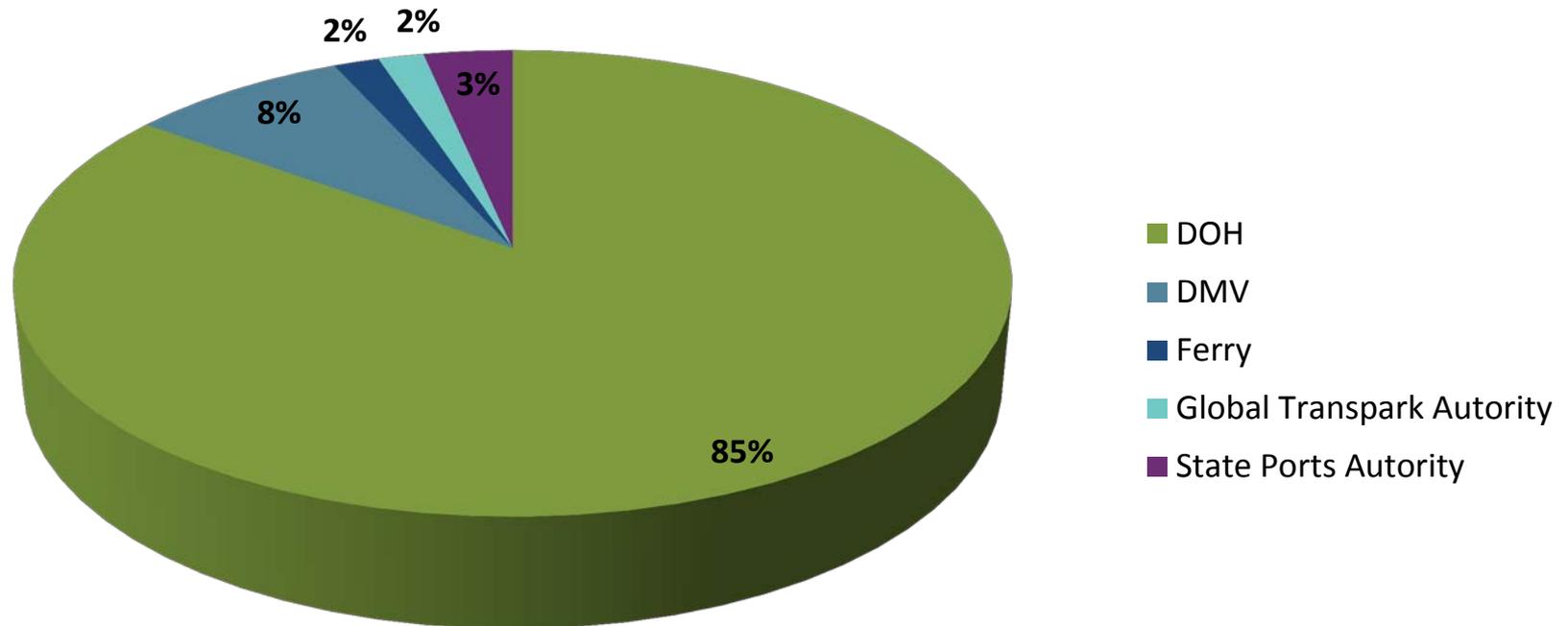
Facilities Design

# *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

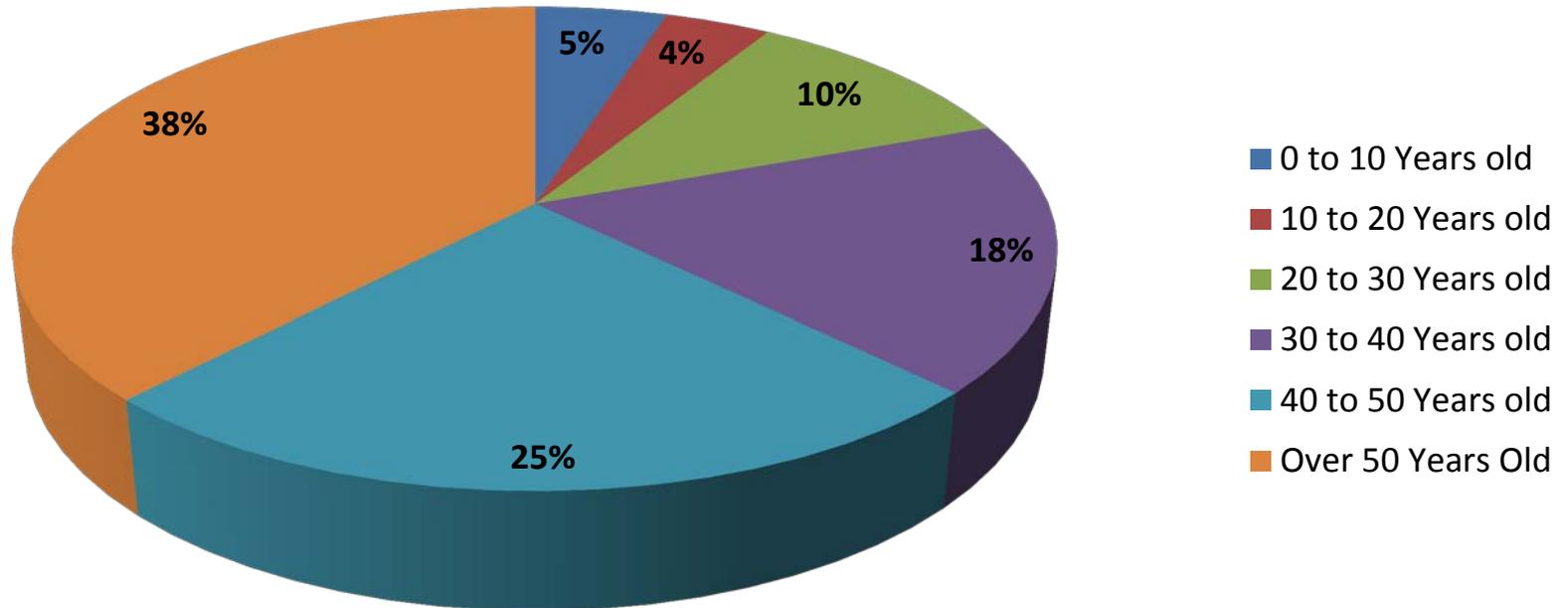


Total Physical Plant: 2,347 buildings (10,355,001 SF)



# *Physical Plant Composition – by Age*

## **Approximate Age of DOT Buildings**



**63% of facilities are over 40 years old**

- Deteriorated structures
- Outdated building systems
- Life safety issues
- Building Code Non-compliance



# *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?*





Funding & Appropriations Strategies Committee  
February 3, 2016

*Right of Way Process*

C. Tom Childrey



## *Right of Way (ROW) Process*

- The Right of Way acquisition process varies in length due to a multitude of variables.
- The presentation will provide a general overview of the process and context to why varying timeframes exist.



# *Right of Way (ROW) Process*

## Process Steps in ROW Acquisitions

1. Receipt of Highway Plans and Authorization
2. Initial Contacts with Owners
3. Appraisals
4. Offers to Owners
5. Claims Settled
6. Condemnations
7. Relocations
8. Revisions



# *Right of Way (ROW) Process*

Step 1:

**Receipt of Highway Plans and  
Authorization**

# *Right of Way (ROW) Process*

Step 2:

## **Initial Contacts with Owners**

# *Right of Way (ROW) Process*

Step 3:

**Appraisals**

# *Right of Way (ROW) Process*

Step 4:

**Offers made to Owners**

# *Right of Way (ROW) Process*

Step 5:

**Claims Settled and Closed**

# *Right of Way (ROW) Process*

Step 6:

## **Condemnations**

# *Right of Way (ROW) Process*

Step 7:

## **Relocations**

- Residential Relocations
- Business Relocations

# *Right of Way (ROW) Process*

Step 8:

**Revisions**

# Questions ??

## Process Steps in ROW Acquisition

1. Receipt of Highway Plans and Authorization
2. Initial Contacts with Owners
3. Appraisals
4. Offers to Owners
5. Claims Settled
6. Condemnations
7. Relocations
8. Revisions





# HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 1-6-2016 TIME: 10:00 AM – 12:00 PM LOCATION: 150

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

## AGENDA TOPICS

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

2. US 321 PROJECT – WIDENING IN BLOWING ROCK – MIKE PETTYJOHN, PE	
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DISCUSSION SUMMARY	<p>The project, divided into two areas, widens about 4 miles of US 321 from two lanes to a divided four lane highway from Blackberry Rd in Caldwell Co. to just pasts the intersection with US 221 near the Shoppes on the Parkway. Area 1 is more commercial and lies between US 321 Business South and the Shoppes on the Parkway. Area 2 is more residential/rural stretching between US 321 Business South towards Lenoir outside Blowing Rock town limits. The DOT has worked closely with the Town to lessen the effects of the project on the community and ensure the road maintains the character of the town. Some of the unique features of the project include: widening on a mountain and through a historic district, up to ~ 40 decorative retaining walls, extensive contractor restrictions regarding road and lane closures, lengthy detour when closed for blasting, and substantial duct bank for underground utilities. Communication has been a key component throughout construction of this project. The Department and contractor have utilized twitter for real time travel/project updates, established a project information phone line and webpage, send frequent press releases, and provide monthly updates to the Town council. The project schedule has been impacted due to the original contractor being replaced by a bonding company, ROW and utility relocation issues, weather delays and plan revisions. As a result, the Board Member, Chief Engineer and Division Engineer met with a group of concerned citizens regarding the project progress in June 2015. At the meeting, the Department committed to having Area 1 substantially completed by July 2016 and milestones were set to ensure the contractor meets this commitment. Additional crews have also been mobilized and construction processes have been reviewed to accelerate construction. A summary of the accomplishments to date include all retaining walls in Area 1 construction, nearing a partial split of traffic in Area 1, 1.6 miles of duct constructed equating to 8 miles of conduit, 80,000 SF of retaining walls constructed, 2.5 miles of waterline relocated and 44,000 tons of asphalt placed. It was discussed that utility relocation issues continue to cause delays on projects especially in urban areas. Along with the ROW process, the utility process will be mapped out to find efficiencies and to work toward solving the decade's long problem. In summary, there will be substantial completion of Area 1 and traffic will be in the final pattern by this summer. Then completion of entire project will occur by mid-2017.</p>
ACTIONS TAKEN	



# HIGHWAYS COMMITTEE MEETING MINUTES

<p><b>3. BUSINESS 40 IMPROVEMENT PROJECT – WINSTON-SALEM – PAT IVEY, PE</b></p>	
<p><b>DISCUSSION SUMMARY</b></p>	<p>Designed in the early 1950s by Winston-Salem, Business 40 opened in 1958 as the East-West Expressway. It was later designated as the first section of I-40 in NC. (Later designated as I-40 Business with the new I-40 was constructed.) Rehabilitating this 1.2 mile section of I-40 Business through downtown Winston-Salem involves complete reconstruction of pavement and 11 bridges between west of Fourth St to east of Church St. There are 2 full and 4 partial interchanges. The total project cost (including ROW, Construction and Utilities) is \$90M. Traffic volume in this area is around 75,000 vpd which created challenges for how to accomplish the work while accommodating such a high volume of traffic. The area contains historic districts, a substantial amount of development and high crash rates due to short weave distances. As such, an Accelerated Construction Technology Transfer (ACTT) workshop was held in April 2006 just before beginning the NEPA process in May 2006. The ACTT helped the project team think outside the box about how to build the project. They also hired a consulting firm to do an unprecedented amount of public involvement that has been going on for the past 10 years to ensure all the stakeholders (residents, businesses, churches, the City, hospitals, EMS, Chamber, etc.) had buy in on the project. The idea of closing the road during construction was brought up as a possible solution to dealing with the high volume of traffic. The consultant surveyed the public on the two options: close the road for 2 years to substantially complete the project or partially close the road for 6 years. The results were overwhelmingly in favor of closing the road completely for 2 years. Additionally, as part of the ACTT, 2 new roadway alternatives were developed to reduce the 2 full and 4 partial interchanges down to 1 full interchange (either Cherry/Marshall or Liberty/Main interchange). The public chose the Cherry/Marshall interchange. Even though the number interchanges were reduced, access is actually easier and less complicated. The public was also involved in project aesthetics and had the opportunity to join work groups to discuss enhancements relative to bridges, retaining and sound walls, lighting, art, medians, etc. (The City has agreed to fund approximately \$10M for these enhancements.) This project is being recognized across the nation by FHWA as an example of best practices for public involvement and Environmental Justice as part of the NEPA process. In summary, the project schedule includes project advertisement in January 2016, DB teams shortlisted the first quarter of 2016, DB selected in July 2016, construction begins on Peters Creek Parkway late 2016/2017, I-40 Business closes after Peters Creek Parkway is completed and will remained closed for no more than 2 years prior to re-opening and the project being complete.</p>
<p><b>ACTIONS TAKEN</b></p>	



# HIGHWAYS COMMITTEE MEETING MINUTES

4. GUARDRAIL END TERMINALS & MASH – KEVIN LACY, PE	
DISCUSSION SUMMARY	<p>A brief history of roadside safety was explained. Prior to the 1960's, the DOT designed and constructed roadways and it was the driver's responsibility to stay on the road. During the 1960's – 70's, the development of the Highway Safety Improvement Program made roadside safety more of a consideration as the concept of "running of the road not being a death sentence" became prevalent. As such, standardized crash testing was developed leading to National Cooperative Highway Research Program (NCHRP) roadside safety hardware testing version 230 and AASHTO's Roadside Design Guide in the 1980's. Moving into the 1990's, NCHRP 350 was established with different test levels for hardware and required energy absorbing guardrail end terminals. Just like all products we use every day, our transportation products and services must change over time out of necessity. In the 1920's – 30's, the fatality rate was around 22 fatalities per 100 MVMT (million vehicle miles travelled). Fast forward to the 1960's – 70's and the fatality rate dropped to around 7 fatalities/100 MVMT and today that number has decreased to nearly 1 fatality/MVMT. The next step in the evolution and improvement of roadside safety hardware is the Manual for Assessing Safety Hardware (MASH) which is more stringent than the current NCHRP 350 testing requirements. Effective January 1, 2016, all new crash tests for guardrail end terminals will be required to meet MASH testing including revisions to existing products. In summary, these changes over time have helped reduce the fatality rate significantly over the years. We will continue to embrace reasonable and manageable changes that help meet the Departments vision of zero deaths on our highways. AASHTO and FHWA have agreed to a MASH Implementation Plan with effective dates starting December 2017. NCDOT voted in favor of the agreement.</p>
ACTIONS TAKEN	



# HIGHWAYS COMMITTEE MEETING MINUTES

5. REVIEW OF RULES – NCAC – KEVIN LACY, PE & HELEN LANDI	
DISCUSSION SUMMARY	<p>The purpose of the Administrative Procedure Act is to establish a uniform system of administrative rule-making and adjudicatory procedures for all state agencies. The procedure includes Article 1: General Provisions, Article 2A: Rule-making, Article 3: Administrative Hearings, Article 3A: Other Administrative hearings and Article 4: Judicial Review. This presentation focused on Article 2A Rule-making. Through general statutes, agencies of state government are given power to limit what people can do, with state-sanctioned consequences, if these limits are not followed. Rulemaking is complicated as it attempts to be flexible but predictable, technocratic but political, efficient yet still thoughtful, rational but inclusive of multiple points of view, consistent while sensitive to particular policy area needs, and precise but comprehensible to an ordinary citizen. Essentially, rulemaking is a way of turning policy into and law and is thus inherently difficult and vitally important. Prior to 2013, there was no expiration date for rules. During the 2013 legislative session, GS 150B-21.3A was passed stating that all rules must be reviewed every 10 years to ensure the rules are still necessary, within the agency's authority and addresses programs that still exist. Each rule must be reviewed and designated as "necessary with substantive public interest" (meaning the agency has received public comments in the last 2 years or it affects property interest/persons may object to the rule), "necessary without substantive public interest" (meaning the agency has not received public comments in the last 2 years and it's a rule that merely identifies information that is readily available to the public) or "unnecessary" (a rule that the agency deems to be obsolete, redundant or not needed). The agency must also state whether the rule is necessary to implement or conform to federal law and if so, submit the citation. Following agency designation is a public comment period of at least 60 days at which time the agency may decide to change the designation. A report of these designations and all public comments received are forwarded to the Rules Review Commission who then forwards the final report to the Administrative Procedure Oversight committee for consultation. Once agreed upon, all "unnecessary" rules will come out of the Code, all "necessary without substantive public interest" rules will stay in the Code as writing, and all "necessary with substantive public interest" must be readopted pursuant to GS 150B. This year, DOT is assigned to review and determine designations to the rules in Chapter Two – Division of Highways. The Board of Transportation is the rule-making authority for the Tourist-Oriented Directional Sign (TODS) program (8 rules), the Logo Program Fees (1 rule), and the Ferry Toll Rates (2 rules). The Highways Committee reviewed the 8 TODS rules and 1 Logo Program Fees rule and reviewed the staff recommendation on rule designation.</p>
ACTIONS TAKEN	The committee approved the staff recommendations for the TODS and logo programs as presented and recommended the designations go before the full Board for a vote in February.



Transportation

# HIGHWAYS COMMITTEE AGENDA

## BOARD OF TRANSPORTATION FEBRUARY 3, 2016

TIME: 10:30 AM – 12:00 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
TAMP Update	Mike Holder, PE	20 min
H 232 Bicycle Safety Report	Kevin Lacy, PE	20 min
Bonner Bridge/NC 12 Update	Jerry Jennings, PE	20 min
Other Discussion	Jake Alexander	30 min



Board of Transportation Highway Committee  
February 2016

*Bonner Bridge/NC 12 Update*

Jerry D. Jennings, PE  
Division Engineer



## *Bonner Bridge/NC 12 Update*

- Bonner Bridge Replacement
- Pea Island Bridge
- Rodanthe Bridge



# Bonner Bridge Replacement and Long-Term Solutions for N.C. 12

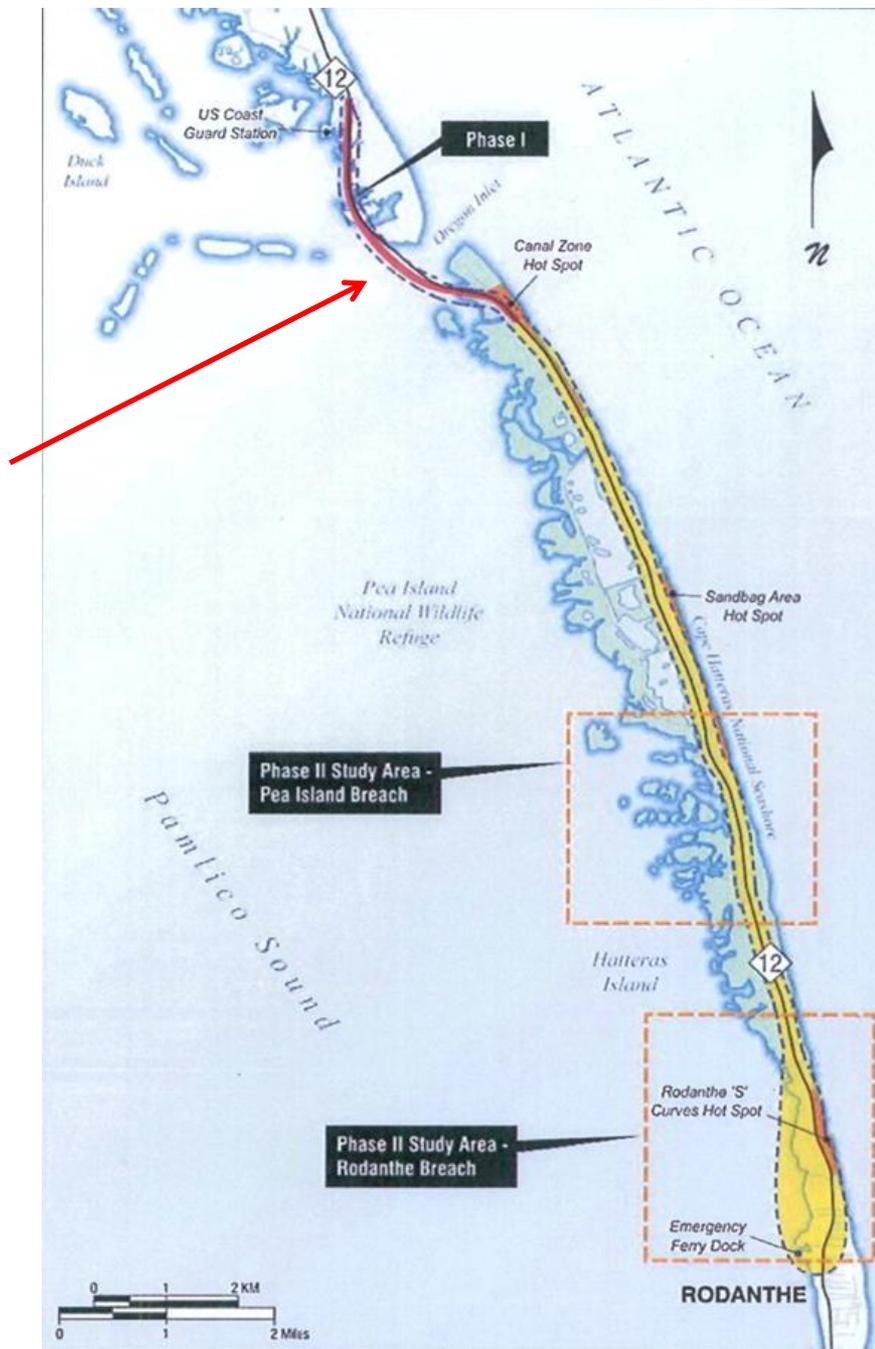
MAP NOT DRAWN TO SCALE.



# *Bonner Bridge Replacement (B-2500 Phase I)*



# Bonner Bridge (Phase I)







abovethecoast.com



## *Bonner Bridge Replacement (B-2500 Phase I)*



## *Oregon Inlet Timeline*

- Inlet Opened in 1846
- Private ferry began operating in 1920s
- State of NC took over ferry in 1950s
- Bonner Bridge opened in 1963
- Terminal groin completed in 1991
- Contract awarded to replace bridge in 2011
- Settlement agreement reached to replace bridge in 2015



## *Bonner Bridge Replacement (B-2500 Phase I)*

- Design-build contract awarded to PCL Civil Constructors, Inc., in July 2011
- HDR Engineering, Inc. of the Carolinas- lead design firm
- Original bid was \$215.8 million
- Contract adjustments due to delays

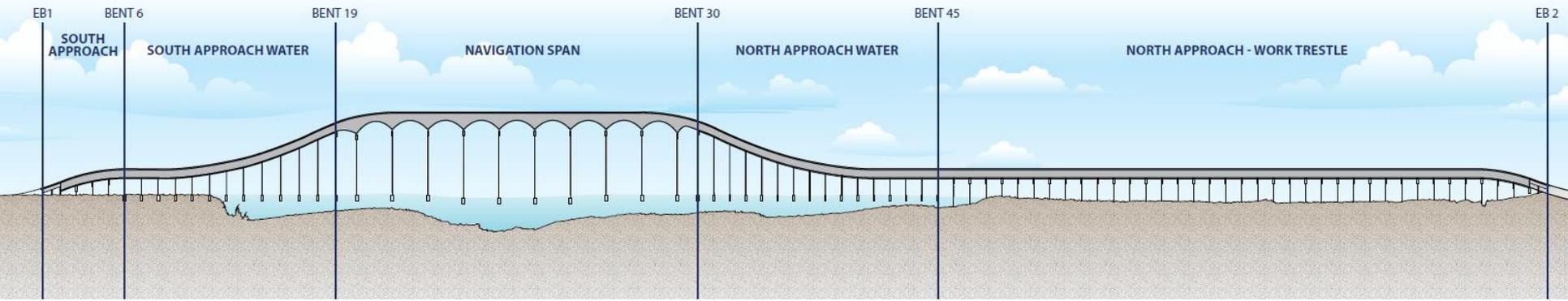




## *Bonner Bridge Replacement (B-2500 Phase I)*

	<u>Old</u>	<u>New</u>
Bridge length (miles)	2.4	2.8
Number of bents	207	83
Number of navigation spans	1	7
Navigation opening width (ft)	130	291-314
Navigational zone (ie high rise length - ft)	502	3550
Design lifespan (years)	30	100





# *Bonner Bridge Replacement (B-2500 Phase I)*



## *Bonner Bridge Replacement (B-2500 Phase I)*

- Use of many precast concrete elements
- Use of stainless reinforcing steel and high durability concrete to protect against corrosion
- Single work trestle for bridge construction and demolition (6,300 ft on north end)
- Use of bridge demolition material at offshore reef sites
- Portion of existing bridge to be retained



## *Bonner Bridge Replacement (B-2500 Phase I)*

- Critical utility conflict moved December 2015
- Contractor mobilization beginning
- Fabrication of concrete components underway in February
- Onsite construction anticipated to begin in March
- Open to traffic by November 2018
- Project completion by September 2019





Utility relocation  
completed in  
December



# Replacement of the Herbert C. Bonner Bridge

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## *Pea Island Interim Bridge (B-2500 Phase IIA)*



# Pea Island (Phase IIA)



## *Pea Island Interim Bridge (B-2500 Phase IIA)*



## *Pea Island Breach Timeline*

- Breach formed during Hurricane Irene in August 2011
- 660 ft temporary steel bridge constructed
- Further damage from Hurricane Sandy in October 2012
- Planning underway for longer term solution



## *Pea Island Interim Bridge (B-2500 Phase IIA)*





## *Pea Island Interim Bridge (B-2500 Phase IIA)*



## *Pea Island Interim Bridge (B-2500 Phase IIA)*

- Contract awarded to Parsons Construction Group in November 2013
- Included 2.1 mile permanent structure
- Original bid was \$79.7 million
- Work suspended in September 2014
- Contract terminated in June 2015 following settlement agreement
- Department to pursue interim bridge and reevaluate long term solution



## *Pea Island Interim Bridge (B-2500 Phase IIA)*

- New contract awarded to T. A. Loving Co. in November 2015
- Bid was \$14.3 million
- Includes 1/2 mile long interim concrete structure
- “Cored slab” design with many precast elements



## *Pea Island Interim Bridge (B-2500 Phase IIA)*

- Date of availability was November 30, 2015
- Preliminary work began in December
- Fabrication of concrete components underway in February
- Mobilization beginning
- Onsite construction to begin in March
- Open to traffic by April 2017
- Project completion by August 2017



## *Rodanthe Bridge (B-2500 Phase IIB)*



# Rodanthe (Phase IIB)







## *Rodanthe Timeline*

- Historical “hot spot”
- Breach formed during Hurricane Irene in August 2011
- Roadway reconstructed and sandbags placed
- Further damage from Hurricane Sandy in October 2012
- Beach nourishment completed September 2014



## *Rodanthe Bridge (B-2500 Phase IIB)*

- Planning for long term solution has been underway for several years
- Preferred alternative selected in June 2015
- Public workshop planned for March/April
- Record of Decision to follow
- Includes 2.5 mile long “jug handle” design





## *Rodanthe Bridge (B-2500 Phase IIB)*

- Estimated cost of about \$200 million
- Design build teams shortlisted
- Contract award later this year





# Questions?



Jerry D. Jennings, PE  
Division Engineer  
[jjennings@ncdot.gov](mailto:jjennings@ncdot.gov)  
(252) 482-1850





February 2016

*H 232 Bicycle Safety Report*

Kevin Lacy, PE



## *H 232 Working Group Members*

Master Trooper Christopher Knox – State Highway Patrol (law enforcement representative)

Wes Dickson – Owner of Sycamore Cycles in Brevard (bicycle industry representative)

Fred Burt – Farmer in Fuquay-Varina (agriculture industry representative)

Crystal Collins – NC Trucking Association (trucking industry representative)

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Lauren Blackburn – NCDOT Bicycle and Pedestrian Division Director

Steven Goodridge – member of Bike Walk NC, statewide bicycle advocacy organization

Chuck Hobgood – President of North Carolina Amateur Sports

Sergeant Michael Montayne – City of Greenville Police Department



## *H 232 Issues*

1. How faster-moving vehicles may safely overtake bicycles on roadways where sight distance may be inhibited (specified by House Bill 232)
2. Whether bicyclists on a roadway should be required to ride single file or allowed to ride two or more abreast (specified by House Bill 232)
3. Whether bicyclists should be required to carry a form of identification (specified by House Bill 232)



## *H 232 Issues*

4. Visibility (clothing or other reflective gear) and lighting requirements
5. Options for hand signals for turning
6. 2-foot or other passing distance requirements



## *H 232 Issues*

7. Operating position in roadway
8. Informal group rides on rural roadways
9. Use of headphones or texting while cycling



## *H 232 Issues*

10. Aggressive driving, harassment, and distracted driving laws

11. Vulnerable road user protection

12. Formal group event permitting and regulations



# *H 232 Report*

- Working group met four times between August and November 2015
- NCDOT drafted report and released to working group December 2015
- Submitted to Joint Legislative Transportation Oversight Committee on January 8, 2016
- Requires legislative action in order for any report recommendations to become law
- Report posted to <http://www.ncdot.gov/bikeped/lawspolicies/>



*Questions?*





February 2016



# *Transportation Asset Management Plan*

Michael Holder, PE



# *Introduction*

- Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) requires every state agency to have a Transportation Asset Management Plan (TAMP).
- Final FHWA rules regarding the TAMP are still pending, but no change in the requirement for a TAMP, nor for use of performance measures, are expected. Expected implementation: Oct, 2018.



## *NCDOT approach*

- Three committees:
  - Executive Oversight Committee chaired by Chief Engineer
  - Pavement Work Group chaired by Judith Corley-Lay
  - Bridge Work Group chaired by Thomas Koch

Both Pavement and Bridge Work Groups include

FHWA

MPO

RPO



# *MAP-21 Requirements*

- Asset Inventory for NHS pavements and Federal aid bridges
- Gap analysis showing impact of asset conditions with changes in funding levels
- Life cycle cost analysis for network of pavements and bridges
- Risk analysis showing risks to assets
- 10 year financial plan to manage asset condition and performance
- Funding options
- Plan for updating and improving TAMP



# TAMP Outline

- Chapter 1 outlines NCDOT's mission and goals. 
- Chapter 2 defines the assets being included in the TAMP 
- Chapter 3 Gap Analysis 
- Chapter 4 Life Cycle Cost analysis
- Chapter 5 Risk analysis 
- Chapter 6 10-year Financial plan
- Chapter 7 Funding Options
- Chapter 8 Moving forward: future improvements to TAMP, modification schedule, etc.



Nearly complete



Work in progress



# *Risk Analysis*

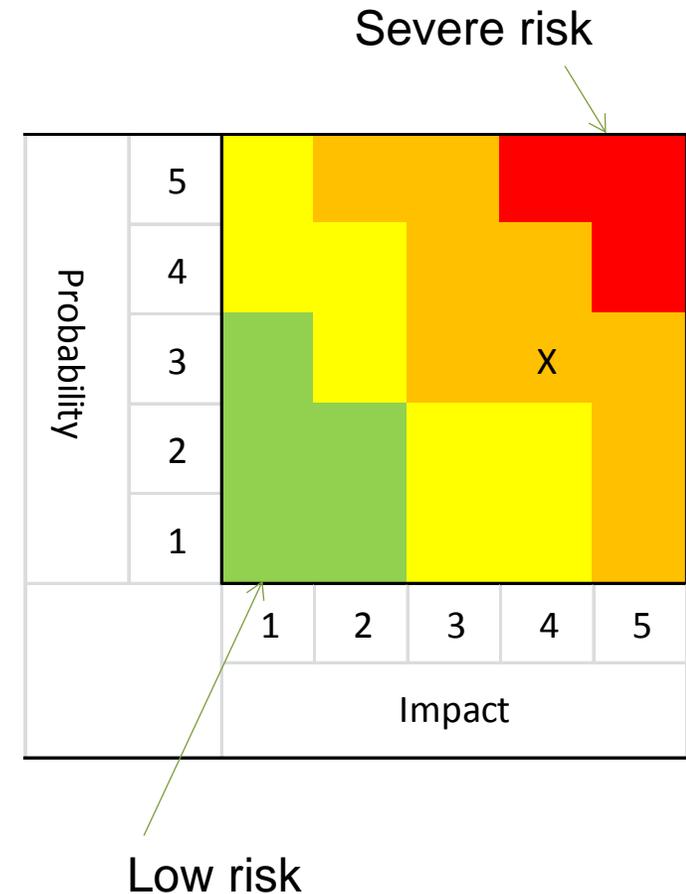
- NHI class on Risk Analysis was held for all TAMP committee members.
- Used work group brainstorming to develop risk matrices.
- Pavement risk registers are “complete”; Bridge is finalizing their risk registers.
- Outcome: Assigns responsibility for addressing risk effects.

# Risk Matrix

For each risk, the identified effect, the probability (likelihood), the impact (effect) and responses are included in a risk register.

A risk register is simply a table of risks.

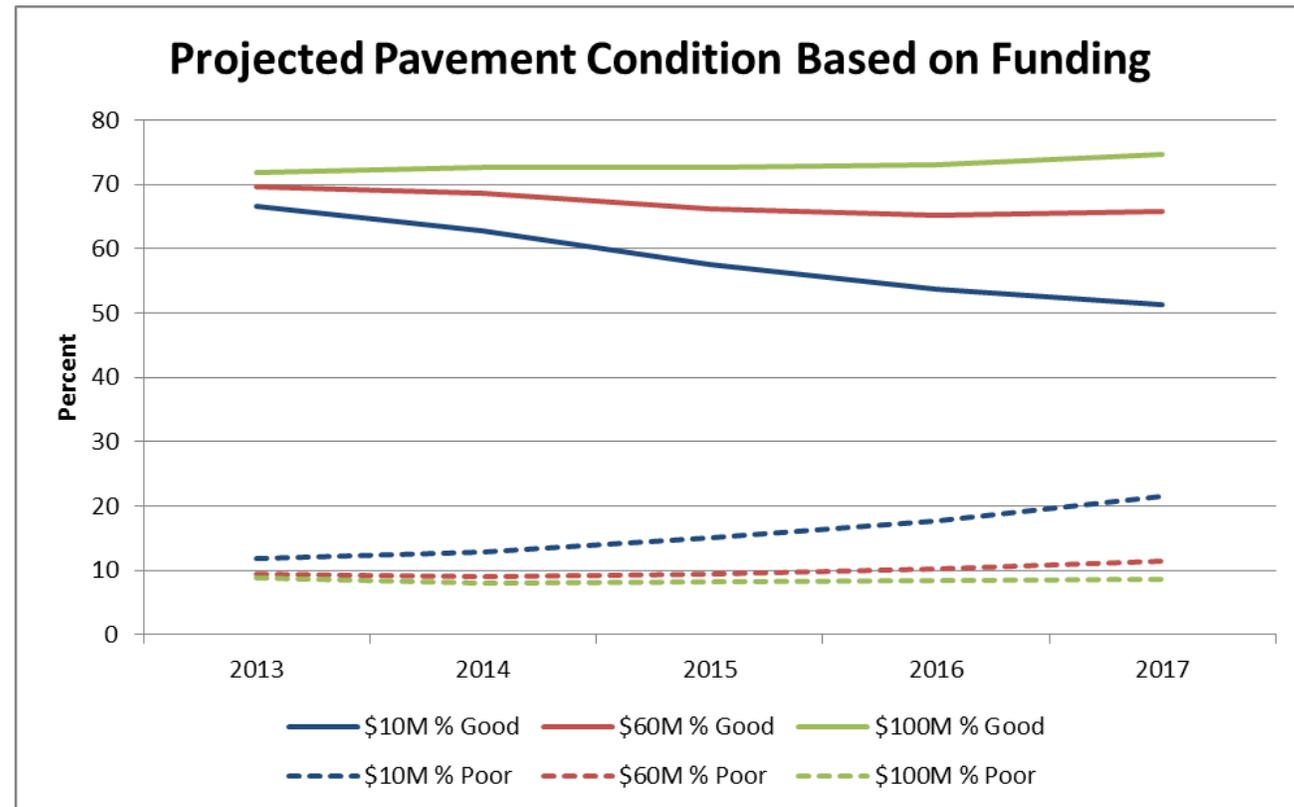
Example risks: NC 12 can be breached due to a hurricane. There is a high probability that this will occur, but the impact is localized and our responses are well defined. (Prob.=4, Impact=2)



# Pavement Gap Analyses

- Traditional gap analysis: Current budget + or – 20%. What is the impact on pavement condition over 10 year period?

We have historically included this type of gap analysis in our reports to the legislature. This graph is from 2012.



## *Work on the Financial Components*

- Federal Aid 101 class held in December 2015.
- NCDOT internal finance class for TAMP committees on January 26, 2016. This is in preparation for meetings, discussions and creation of the 10 year financial plan and the financing options chapters.



## *Current Timeline*

- Chapters 1 & 2 Finalized pending final rules from FHWA.
- Chapter 5 Risk Management- draft complete by end of February, 2016.
- Chapter 3 Gap Analysis- draft of pavement portion complete by end of April, 2016.
- Chapter 4 Life Cycle Cost Analysis- draft complete by end of June, 2016.

All work will be reviewed and updated to assure compliance with final rules.



## *TAMP-Conclusions*

- Preparing the initial TAMP is a significant effort involving personnel from more than 6 units in NCDOT as well as FHWA, MPO and RPO representatives.
- The TAMP should help NCDOT “tell our story” in terms of **risks** we face, the **impacts of changes in funding**, the **whole life costs** of our pavements and bridges, and **our approach** to manage these issues.



## *TAMP- conclusions*

- Preparing the initial TAMP is a significant effort involving personnel from more than 6 units in NCDOT as well as FHWA, MPO and RPO representatives.
- The TAMP should help NCDOT “tell our story” in terms of risks we face, the impacts of changes in funding, the whole life costs of our pavements and bridges, and our approach to manage these issues.

*Are there any questions?*





Transportation

# MULTIMODAL COMMITTEE MEETING MINUTES

DATE: 1/6/16 TIME: 10:00am LOCATION: EIC

<b>MEETING CALLED BY</b>	John Lennon
<b>BOARD ATTENDEES</b>	Cheryl McQueary, Jeff Sheehan, Sandra Fountain, Malcolm Fearing, Tracey Dodson, Gus Tulloss, Lou Wetmore, John Lennon

## AGENDA TOPICS

<b>1. DECEMBER MINUTES APPROVAL – JOHN LENNON</b>	
<b>DISCUSSION SUMMARY</b>	Approval of December Minutes.
<b>ACTIONS TAKEN</b>	Motion to approve was made by Cheryl McQueary and seconded by Malcolm Fearing. Motion was approved.

<b>2. ITEM I-1, I-1A – DEBBIE COLLINS</b>	
<b>DISCUSSION SUMMARY</b>	Approval of Public Transportation funding items.
<b>ACTIONS TAKEN</b>	Motion to approve was made by Cheryl McQueary and seconded by Tracey Dodson. Motion was approved.

<b>3. ITEM I-2 – PAUL WORLEY</b>	
<b>DISCUSSION SUMMARY</b>	Approval of Rail funding items.
<b>ACTIONS TAKEN</b>	Motion to approve was made by Lou Wetmore and seconded by Sandra Fountain. Motion was approved.

<b>4. ITEM I-4 – BOBBY WALSTON</b>	
<b>DISCUSSION SUMMARY</b>	Approval of Aviation funding items.
<b>ACTIONS TAKEN</b>	Motion to approve was made by Malcolm Fearing and seconded by Cheryl McQueary. Motion was approved.



# MULTIMODAL COMMITTEE MEETING MINUTES

<b>5. TRANSIT UPDATE – KEITH WEATHERLY</b>	
<b>DISCUSSION SUMMARY</b>	Recognized Debbie Collins and Public Transportation staff which were awarded Champions of Transportation by Durham County Commissioners. Lauren Blackburn will give a quick update on the HB 232 report on Bicycle Safety.
<b>ACTIONS TAKEN</b>	Informational

<b>6. RULES REVIEW &amp; FERRY TOLLING – HELEN LANDI/SHELLEY BLAKE</b>	
<b>DISCUSSION SUMMARY</b>	Presentation given explaining administrative code and rule review process. Ferry tolling has two rules up for review: 19A NCAC 02D .0531 Free Operations - The rule identifies ferry routes that are not tolled and 19A NCAC 02D .0532 Toll Operations - The rule lists tolls for the applicable ferry routes.
<b>ACTIONS TAKEN</b>	Motion to deem rules unnecessary(See Ferry Tolling – Actions Taken)

<b>7. FERRY TOLLING – ED GOODWIN/SHELLEY BLAKE</b>	
<b>DISCUSSION SUMMARY</b>	The Board needs to vote to affirm the current toll rates Once a resolution stating what the current toll rates are is passed, the rules in the APA regarding toll rates will be deemed unnecessary. The full Board will be asked to vote on the resolution in February 2016. Malcolm wanted to clarify that the resolution to be voted on states the current toll rates and they are not voting on any new tolling routes or increases routes that are currently tolled.
<b>ACTIONS TAKEN</b>	John Lennon made a motion to take the ferry tolling resolution to the full Board and deem rules (19A NCAC 02D.0531 & 19A NCAC 02D.0532) unnecessary. Malcolm Fearing seconded the motion. Motion was approved.



# MULTIMODAL COMMITTEE MEETING MINUTES

<b>8. RAIL DIVISION – PAUL WORLEY</b>	
<b>DISCUSSION SUMMARY</b>	Paul presented the funding overview spread sheet. Highlighted the Kings Mountain Safety project, provided update on GTP and Gulf& Ohio Railway, Santa train was successful again this year and education and outreach began with Johnston County School system.
<b>ACTIONS TAKEN</b>	Informational

<b>9. BIKE &amp; PEDESTRIAN DIVISION – LAUREN BLACKBURN</b>	
<b>DISCUSSION SUMMARY</b>	Lauren presented the funding overview spreadsheet. Members asked to see the STIP funding broken down into the first 5 years verse the second five years. Lauren also reported on HB 232 which they expect to have a Final Report completed shortly. Members asked for a copy of the final report.
<b>ACTIONS TAKEN</b>	Informational

<b>10. FERRY DIVISION – ED GOODWIN</b>	
<b>DISCUSSION SUMMARY</b>	Ed presented the funding overview spreadsheet. The dredging project had a few set-backs due to the weather but should be finished by next week.
<b>ACTIONS TAKEN</b>	Informational

<b>11. PUBLIC TRANSPORTATION – DEBBIE COLLINS</b>	
<b>DISCUSSION SUMMARY</b>	Debbie presented her funding overview spread sheet and updates. She presented the Funding Study results. There were some concerns with PTD being put on the spot to approve formulas from transit systems.
<b>ACTIONS TAKEN</b>	Informational



# MULTIMODAL COMMITTEE MEETING MINUTES

<b>12. AVIATION DIVISION – BOBBY WALSTON</b>	
<b>DISCUSSION SUMMARY</b>	Quick ran through the presentation to show what project they have completed with the grant funds approved by the committee as well as UAS update.
<b>ACTIONS TAKEN</b>	Informational



# MULTIMODAL COMMITTEE AGENDA

## BOARD OF TRANSPORTATION FEBRUARY 3, 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, Aviation)	Transit Directors	10:35-10:40
Transit Update	Keith Weatherly	10:40-10:45
Public Transportation Update	Debbie Collins	10:45-10:50
Aviation Update	Bobby Walston	10:50-10:55
Ferry Update & Video	Ed Goodwin	10:55-11:00
Bike & Pedestrian Update and Presentation	Lauren Blackburn	11:00-11:30
Rail Funding Update and Presentation	Paul Worley	11:30-12:00



February 2016

*H 232 Bicycle Safety Report*



## *H 232 Working Group Members*

Master Trooper Christopher Knox – State Highway Patrol (law enforcement representative)

Wes Dickson – Owner of Sycamore Cycles in Brevard (bicycle industry representative)

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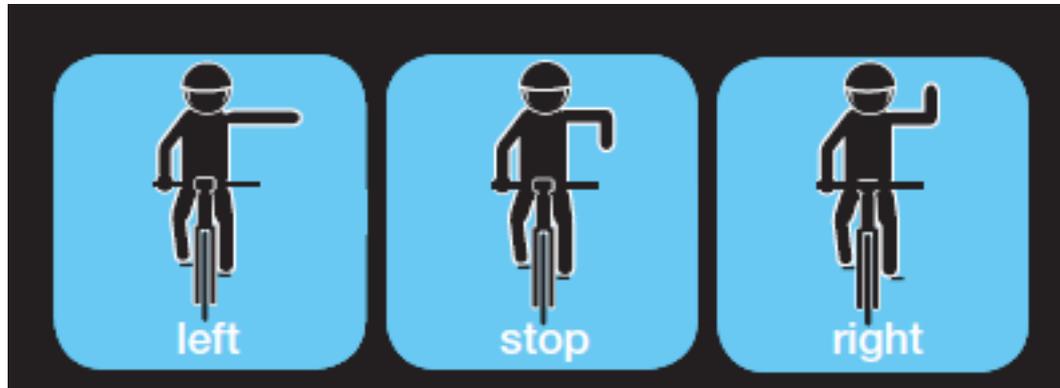
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*It's not just how you get there, it's why you go.*



**Accountability - Responsibility - Respect**

*ncferry.org*

**800-BY-FERRY**

*Real time travel info via twitter: @NCDOT\_Ferry*



February 2016

## PROGRAMS AND INITIATIVES

**Ed Goodwin—Director**

### Period Comparison

#### Expenditures

December 2014 \$ 3,456,542

December 2015 \$ 2,994,620

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

### Capital Reserve Credits

December 2015 \$ 65,387

Vessel Replacement \$ 5,632,127\*

\*Through FY16 Period 6  
Implemented FY14

### Shipyard Revenue

December 2015 \$ 335

Yard Improvements \$ 48,710\*

\*Through FY16 Period 6  
Account implemented SEP '15

#### DISTRICT 1, DISTRICT 2 & DISTRICT 3 PERFORMANCE SNAPSHOT

NCDOT FERRY DIVISION

DEC 2015

Ridership: Vehicles

	DEC 2015	DEC 14	△	FY16 FYTD	FY15 FYTD	△
<b>DISTRICT 1</b>	8,584	6,338	35%	156,094	160,642	-3%
<b>DISTRICT 2</b>	27,145	26,566	2%	226,260	238,506	-5%
<b>DISTRICT 3</b>	2,079	2,569	-19%	32,230	46,640	-45%
<b>TOTAL</b>	<b>37,808</b>	<b>35,473</b>	<b>7%</b>	<b>414,584</b>	<b>445,788</b>	<b>-7%</b>

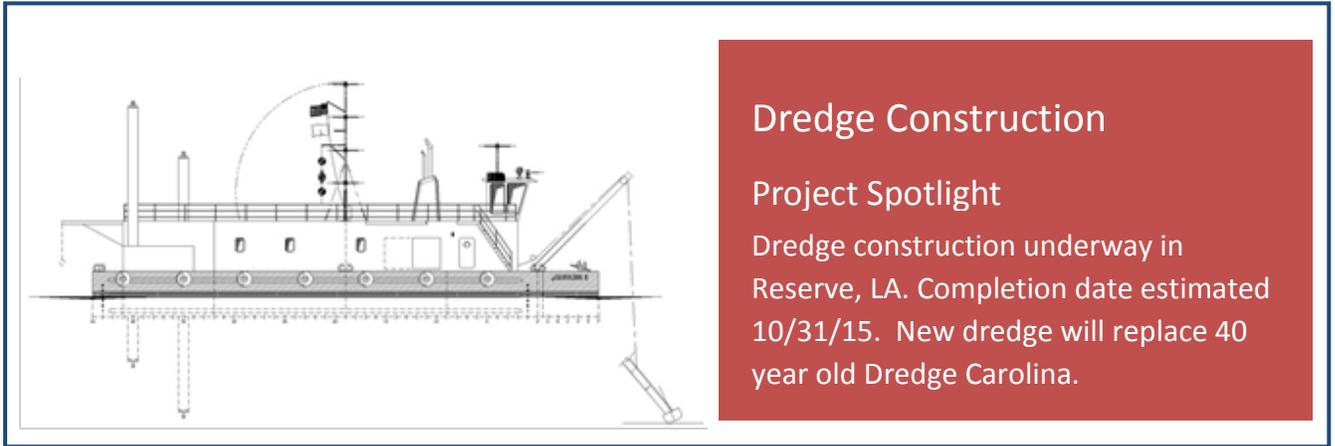
**District 1: Hatteras Inlet and Currituck – Knotts Island**

**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
DECEMBER 2015	4,830	217	94.7%
Calendar Year to Date	63,328	2,779	95.6%



#### **OTHERS FERRY ACTIVITIES IN PROGRESS:**

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

#### **Ferry Division activities and in house projects**

- 1. Pedestrian ferry study completed in draft form. We will be presenting to the Board in March.**
- 2. Contract dredging for Dare County complete.**
- 3. New Currituck OPS building 60% complete.**
- 4. New Swan Quarter OPS building 65% complete.**
- 5. New Dredge "Manteo" 75% complete. Anticipated completion date April 2016.**



## Public Transportation Division

### Public Transportation Division Preparing New State Management Plan

The Federal Transit Administration is assisting the Public Transportation Division in preparing a new State Management Plan. The new document will be broken into three sections: a federal programs policy manual, a state programs policy manual and manuals for external and internal procedures. This new organization is intended to make it easier to ensure PTD and its subrecipients are in compliance with the federal requirements as well as provide clearer and consistent communications about expectations.

We are thankful for the financial and contracting support of the Federal Transit Administration in this large undertaking.



### Public Transportation Division New Employees and Promotions

PTD has welcomed three new employees in the last few months: Sheri` Johnson in our Fiscal Section; Dre` Haynesworth and Crystal Odum in our Program Management Section.

We have also had the opportunity to promote three employees: Nick Scheuer to TPC III and Gretchen Vetter from an Intern to TPC Trainee in our Program Management Section and Tammy Montanez to Deputy Director.

Welcome and congratulations to these employees!

### Public Transportation Division Service Award Recipients

PTD recognized the 2015 Service Award Recipients at its annual luncheon in December 2015. The hard work and dedication of the entire PTD staff makes our organization successful in providing support and services to the 99 NC transit systems. Thank you!

Left to Right:  
Seated: Carolyn Freitag, Vince Lovell  
Standing: Myakka Ware, Irene Johnson, Myra Freeman, Tammy Montanez





## PTD Activities Underway

### January Training:

- Site Visits offering technical assistance
- Building PTD's Success Plan
- FTA State Programs meeting for Region IV
- FTA Civil Rights Webinars
- AASHTO webinars on FAST act and NTD NPRN
- MPO Urban / MPO Meeting on Funding
- Rural / Urban Meeting on Funding
- New Director peer meeting

### Meetings Attended:

- Presentation to House Select Committee: Transit and Aviation
- DHHS NEMT Provider Enrollment Work Group
- Transit Advisory Board meetings
- DHHS Transportation Initiatives

### Upcoming:

- PTD Success Plan
- Hosting Chinese Delegation
- FTA Semi-Annual Meeting
- NCPTA and MPO Board Meetings

### Calendar of activities underway:

- PTD staff is working on our Success Plan for FY 17 – it mirrors the engaging Community Transportation process and focuses on becoming a performance driven organization. The anticipated completion date is March 1.
- Finalizing scopes for: Transit Operations Planning course; 2CFR200 training; Johnston County Feasibility study; and Plans for McDowell County, Cumberland County, Yadkin Valley, and InterCounty Regional Public Transportation Authority.
- Drug and alcohol Management Information System reports are being submitted to FTA by community transportation systems.
- Scheduled training on Drug and Alcohol manager and Drug and Alcohol reasonable suspicion.
- Funding Study alternatives / implementation planning – continuing outreach to urban systems and MPOs on the graduation study and 5 year budgets. Will begin individual and group meetings with each of the 81 community transportation systems. Five year budgets will also be a focus for them.

### FY 15 Statewide Operating Statistics

The following page shows the FY 15 Statewide Statistics summary. NC experienced a drop in ridership in urban areas due to decreasing gas prices, fare increases, major construction projects disturbing and cancelling weekend service on certain corridors and downsizing / relocation of major employers.



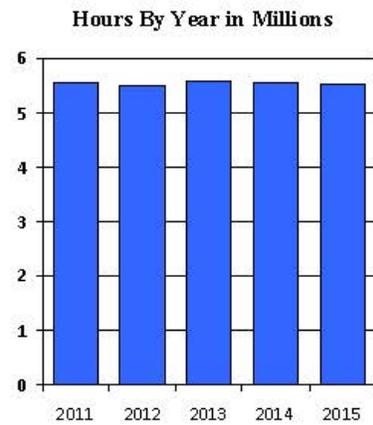
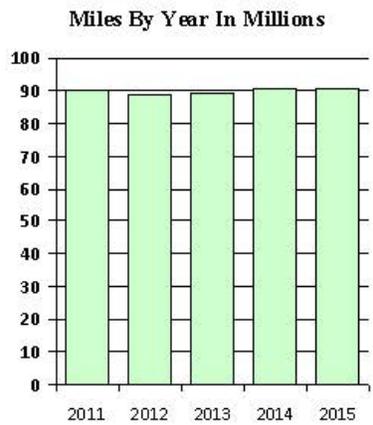
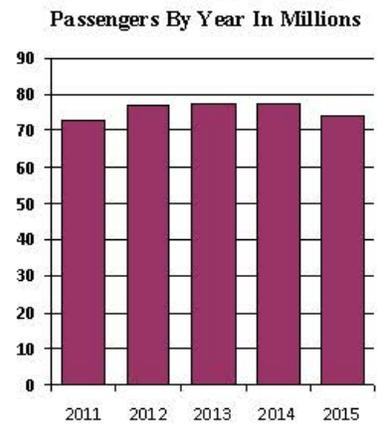
## State-Wide Public Transportation

### FY 2015 NCDOT Public Transportation Division

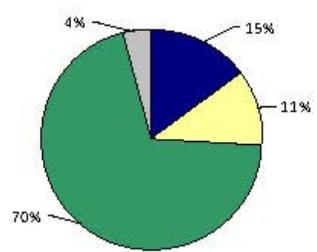
#### Public Transportation Operating and Financial Statistics Report

**Pg 1**

Systems By Type	Count	Highlights	Value
Consolidated Small City-Community:	1	Total Passengers:	75,515,960
Regional Urban:	2	Total Hours:	5,513,786
Human Service:	2	Total Miles:	94,125,657
Fixed Route in Small Cities:	2	Total Federal Funding:	\$66,137,591
Regional Community:	6	Total State Funding:	\$47,909,357
Consolidated Urban-Community:	5	Total Other Funding:	\$17,896,963
Urban Single-City:	15	Total Local Funding:	\$309,922,795
Community:	66	Total Funding:	\$441,866,705
<b>Total Public Transportation Systems:</b>	<b>99</b>		

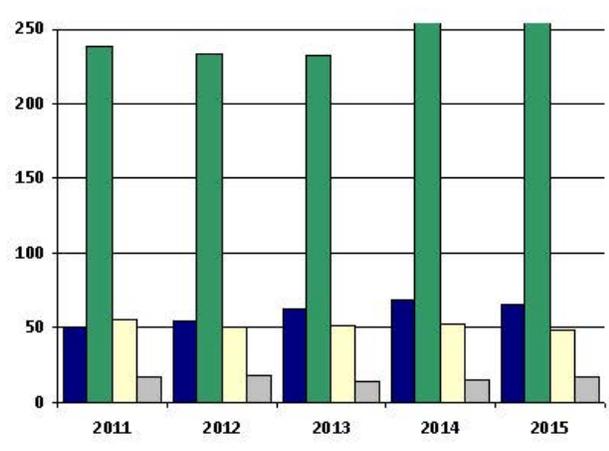


**2015 Revenue Sources**



**Revenue Data Legend**   Federal (Blue)   Local (Green)   State (Yellow)   Other (Grey)

**Revenue Sources by Year in Millions**



**Data Summary**

	2014	2015	% Change
Federal Revenue:	\$69,327,060	\$66,137,591	-5%
Local Revenue:	\$270,218,609	\$309,922,795	15%
State Revenue:	\$52,948,652	\$47,909,357	-10%
Other Revenue:	\$15,387,898	\$17,896,963	16%
Miles:	90,426,310	90,219,657	0%
Hours:	5,548,686	5,513,786	-1%
Total Passengers:	77,680,864	74,280,320	-4%

## PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT

### NCDOT RAIL DIVISION for the Month of NOVEMBER 2015

#### Ridership

	FFY16 NOV	FFY15 NOV	Δ	FFY16 YTD	FFY15 YTD	Δ
<b>Carolinian</b>	24,066	24,920	-3%	51,480	53,160	-3%
<b>Piedmont</b>	15,111	15,384	-2%	29,357	32,467	-10%
<b>Total</b>	39,177	40,304	-3%	80,837	85,627	-6%

#### Number of Trains

#### Average Number of Passengers per Train

FFY16 NOV	FFY15 NOV	Service	FFY16 NOV	FFY15 NOV	Δ
60	60	Carolinian	401	415	-3%
118	120	Piedmont	128	128	0%

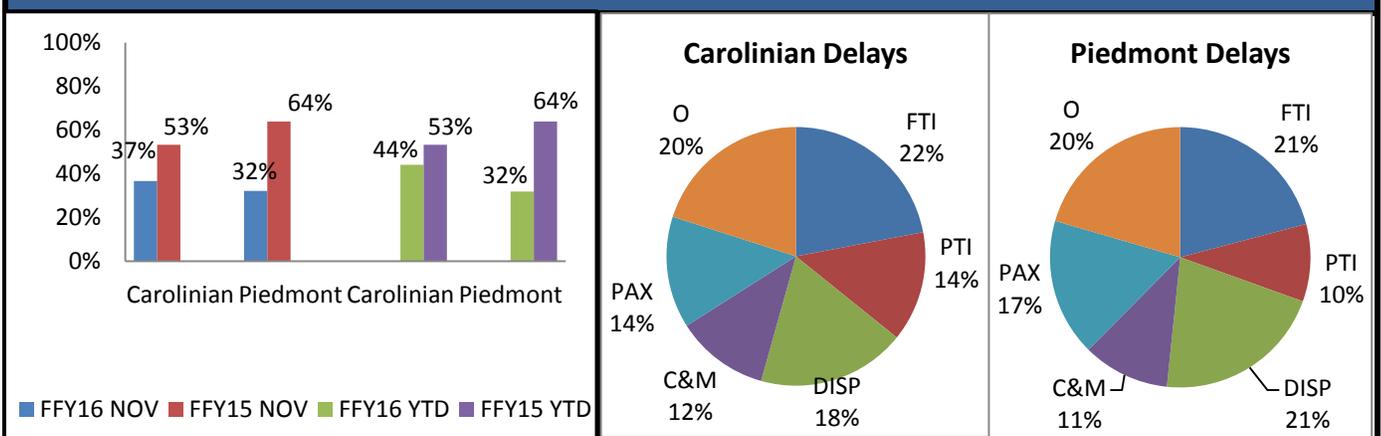
#### Revenue

	FFY16 NOV	FFY15 NOV	Δ	FFY16 YTD	FFY15 YTD	Δ
<b>Carolinian</b>	\$1,542,557	\$1,614,300	-4%	\$3,063,847	\$3,163,286	-3%
<b>Piedmont</b>	\$329,304	\$325,330	1%	\$630,562	\$681,734	-8%
<b>Total</b>	\$1,871,861	\$1,939,630	-3%	\$3,694,409	\$3,845,020	-4%

<b>Amenities</b>	Mo. Surcharge	\$20,589	Mo. Expense	\$1,941	Mo. Surplus	\$18,648
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**November 2015 service modifications and annulments impacted ten Piedmont trains.** On November 3, Trains 74 and 75 were annulled to accommodate CATS work, which was cancelled too late to reschedule the trips. In addition, on November 9 and November 16, Piedmont Trains 73 and 75 terminated at Kannapolis and Trains 74 and 76 originated there. In November 2014, no Piedmont or Carolinian trains were annulled. Additional disruptions for PIP project work may continue to occur as necessary. Average gasoline prices were \$2.20/gallon in November 2015 vs. \$2.95/gallon in November 2014 (EIA Weekly Retail Gasoline for Lower Atlantic region), and are expected to continue to fall.

#### On-time Performance



\*Carolinian and Piedmont delays were 7,764 and 4,568 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 OCT	FFY15 YEAR-END	Δ
<b>Carolinian</b>	81%	75%	6%
<b>Piedmont</b>	87%	90%	-3%

\*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 October eCSI for all Amtrak services was 80%.

## North Carolina City Pairs with Largest Ridership

	Carolinian	Piedmont
<b>1</b>	Charlotte - Raleigh	Charlotte - Raleigh
<b>2</b>	Raleigh - Washington	Charlotte - Durham
<b>3</b>	Charlotte - Durham	Charlotte - Greensboro
<b>4</b>	Durham - Washington	Charlotte - Cary
<b>5</b>	Greensboro - Washington	Greensboro - Raleigh
<b>6</b>	Greensboro - Raleigh	Durham - Greensboro
<b>7</b>	New York - Raleigh	Cary - Greensboro
<b>8</b>	Charlotte - New York	Charlotte - HighPoint
<b>9</b>	Cary - Washington	HighPoint - Raleigh
<b>10</b>	Charlotte - Washington	Kannapolis - Raleigh

\*Of the ten city pairs with the highest ridership, from the previous FFY month New York-Raleigh had the largest increase of 5% and Greensboro - Raleigh the largest decrease of 27% for the Carolinian; Kannapolis - Raleigh had the largest increase of 37% and Greensboro - Raleigh the largest decrease of 14% for the Piedmont.

## Carolinian and Piedmont Total Ons-Offs at North Carolina Stations

	FFY16 NOV	FFY15 NOV	Δ
<b>Charlotte</b>	14,896	15,104	-1%
<b>Raleigh</b>	10,317	10,522	-2%
<b>Greensboro</b>	8,932	9,291	-4%
<b>Durham</b>	7,144	7,357	-3%
<b>Cary</b>	5,110	5,160	-1%
<b>High Point</b>	2,605	2,964	-12%
<b>Wilson</b>	2,455	2,555	-4%
<b>Burlington</b>	2,301	2,040	13%
<b>Kannapolis</b>	1,873	1,584	18%
<b>Salisbury</b>	1,745	1,836	-5%
<b>Rocky Mount</b>	1,367	1,418	-4%
<b>Selma-Smithfield</b>	608	591	3%

\*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.

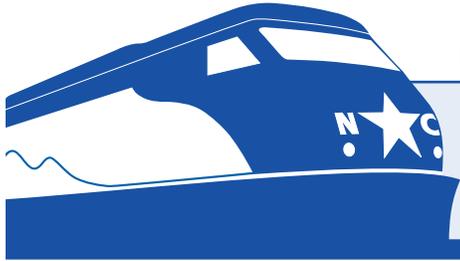
## North Carolina Train Host Association

	FFY16 NOV	FFY16 YTD
<b>Train Host Volunteer Hours</b>	1,048	2,249



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NCDOT Rail Division

# The Rail Report



February 2016

## SRF 2016 Southeast Rail Coalition

District of Columbia • Virginia • North Carolina • South Carolina • Georgia • Florida

### Preparing for Change... Planning for Success

The NCDOT Rail Division and the Triangle Chapter of the Women's Transportation Seminar (WTS) are hosting a regional rail forum to discuss ongoing freight and passenger rail initiatives in the Southeast. The Southeast Rail Forum will be held on March 16-18, 2016 in Charlotte, North Carolina at the Sheraton Hotel.

Rail agency top and mid-level management, engineers, maintenance and safety professionals, operations staff, equipment designers, board members and policymakers, government agency staff, suppliers, consultants and contractors are invited to attend.

Forum sessions will be led by top rail experts and will:

- Highlight the regional economic benefits of passenger and freight services, including a discussion of the Northeast Corridor.
- Introduce attendees to the Federally-Led Regional Planning Study and provide an opportunity for participation.
- Identify the role, trends and activities in intermodal freight transportation: Rail, ports, trucking and shipping hubs, including, but not limited to, CCX, described in the previous article.
- Explore potential governance structures that could be used fund and operate services across state lines.
- Provide an opportunity for multi-state networking and information sharing.
- Provide an opportunity to tour Piedmont Improvement Program projects between Charlotte and High Point that will enhance intercity passenger services.

Visit <http://www.ncdot.gov/conferences/srf/> to register for the Forum and for info on accommodations and sponsorship opportunities.

### TRAIN-EM Program presented at RANC Executive Board Meeting

The Rail Division hosted the Executive Board of the Railway Association of North Carolina's (RANC) first quarterly meeting of 2016 in Raleigh at the NCDOT Chief Engineer's conference room, January 15.

Roger Smock, Rail Division Safety Consultant, made a presentation to RANC board members and guests regarding a



rail incident notification program entitled TRAIN-EM.

The NCDOT Train, Railway and Incident Notification program (TRAIN-EM) in partnership with the North Carolina Department of Public Safety, Division of Emergency Management (EM), is a comprehensive resource for capturing all rail-related incidents allowing proactive responses to real and perceived concerns. Further, it will capture accurate data to identify needs for future rail improvement in North Carolina. While participation by rail companies in TRAIN-EM is voluntary, the Rail Division highlighted the potential benefits to the regional rail companies in terms of operational transparency within the communities they serve and increased communications with NC Emergency Management, NCDOT and other response resources when necessary.

Rail Division Director Paul Worley presented the values of TRAIN-EM as it relates to the railroad industry, rail communities, Emergency Management and NCDOT. He also updated members on recent enhancements implemented by NCDOT regarding oversized/overweight truck permits as it relates to crossing railroad tracks.

RANC's Executive Board is composed of Carl Hollowell (Aberdeen, Carolina & Western RR), President; Todd Burchette (Yadkin Valley RR), Vice President; and Jamie Rowe (North Carolina & Virginia RR), Secretary-Treasurer. Additional RANC railroad, affiliate members and guests were in attendance.



Rail Division Director Paul Worley addresses the RANC Executive Board.

## NCDOT's Rail Division Partners with Town of Old Fort and Norfolk Southern for Railroad Track Improvements



Crossing safety has improved for motorists using railroad crossings in Old Fort in McDowell County. NCDOT's Rail Division, in partnership with Norfolk Southern Railway, closed two crossings in the Town of Old Fort.

The Lackey Town Road crossing, closed August 4, was a state system crossing with 4 tracks protected by signals and gates. The Mauney Avenue crossing, closed October 23, was a municipal crossing with four tracks protected by crossbucks.

The project, funded by the federal Section 130 Highway/Rail At-Grade Crossing Safety Program, also included the construction of a new crossing at Spring Street between the two crossings that were removed. Norfolk Southern removed a small building to allow for the extension of Spring Street. Norfolk Southern also relocated two switches and shortened two storage tracks so that the new crossing only has two tracks.

"The existing Mauney Avenue crossing needed improvement," said Rail Division Project Engineer Dan Havener. Originally, Norfolk

Southern was to raise the grade of the storage and passing tracks to the elevation of the main line track so that the new crossing would be flat. "Instead, we suggested that they relocate the existing switches so that the storage tracks end short of the new crossing location and there would be only two tracks," Havener added.

Twelve trains pass through the town every day. This is a main track for Norfolk Southern freight operations.

The project also included patching and strengthening South Railroad Street between the old Lackey Town Road crossing and the new Spring Street crossing in order to accommodate the large volume of tractor trailer traffic that previously used the Lackey Town Road crossing.

The work on the project began with the removal of the Norfolk Southern building. The last pieces of the project, funded by NCDOT, were completed on December 4, 2015.



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## December 15th Ribbon Cutting sends off First Batch of Cars built by Vertex



The first 30 covered hopper cars built at the Vertex plant in Wilmington, NC left the site in route to their customer after a ceremony held December 15, 2015. Secretary Nick Tennyson and Rail Division Director Paul Worley were on hand for the ribbon cutting and send off for the cars. The Vertex plant, which opened just over a year ago, is located in the space once occupied by Terex Crane.

NCDOT, Wilmington and New Hanover County helped to pay for a road extension to the plant. The NCDOT's Freight Rail and Rail Crossing Safety Fund (FRRCSI) contributed \$200,000 to improvement of the rail spur to the plant. The plant employees 287 and has completed 67 cars and has another 91 in production.

NCDOT  
 **BeRailSafe**  
 Message Shared with more than  
**41,631 in 2015**

2015 was a busy year for BeRailSafe, NCDOT's rail safety program. The program touched the lives of many North Carolinians through training sessions taught to law enforcement, fire, rescue, EMS and 911 personnel on safety issues during train collisions. The program also reached members of the public through safety fairs, festivals, crossing blitzes, special meetings and other events across the state.

**What's Ahead for BeRailSafe in 2016?**

Next year will be very busy and exciting for the BeRailSafe program. The program promises to reach more North Carolinians through safety training and hands-on activities. The Rail Division is working with railroad safety advocates, such as Operation Lifesaver, and major freight train operators throughout the state to meet those goals.

BeRailSafe is extending their message to the youth of North Carolina, kindergarten through high school, by creating initiatives with other state agencies that will share safety initiatives with young people across the state.

The key message of BeRailSafe is simple and effective:  
**RESPECT THE CROSSING, RESPECT THE TRACK!**

**BeRailSafe 2015 Activity Summary**

**Reaching the public:**

- Delivered safety message to motorists through Crossing Blitzes, including ILCAD (International Level Crossing Awareness Day) event - **1,600**
- Conducted First Responder Training Sessions - **945**
- Spoke at Community Presentations - **140**
- Conducted NCDOT and Right of Entry training workshops - **152**
- Participated in local community fairs and festivals, including NC State Fair's "Safety City" - **36,700**
- Participated and attended conferences – **2,094**



Officer shares rail safety materials with motorist during Crossing Blitz

**Conferences Attended:**

- NC Fire Chiefs Association
- NC School Resource Officers Association
- Governor's Highway Safety Program Symposium
- Smart Rail Congress
- Assoc. of Police Communications Officials/National Emergency Number Association
- NC District Attorneys Association



The LED star, seen here on Train 76 in Cary, was a new addition for the holiday season. It was so well received by passengers, the public and train crews, that the Rail Division has decided to make it a permanent fixture on the Piedmont Trains. The lit star adds visibility to the Piedmont while also highlighting and promoting the service. Photo courtesy of Andrew B. Futrell.

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

	RIDERSHIP			REVENUE		
	2015	2014	% +/-	2015	2014	% +/-
Piedmont	15,111	15,384	-2%	\$329,304	\$325,330	1%
Carolinian	24,066	24,920	-3%	\$1,542,557	\$1,614,300	-4%

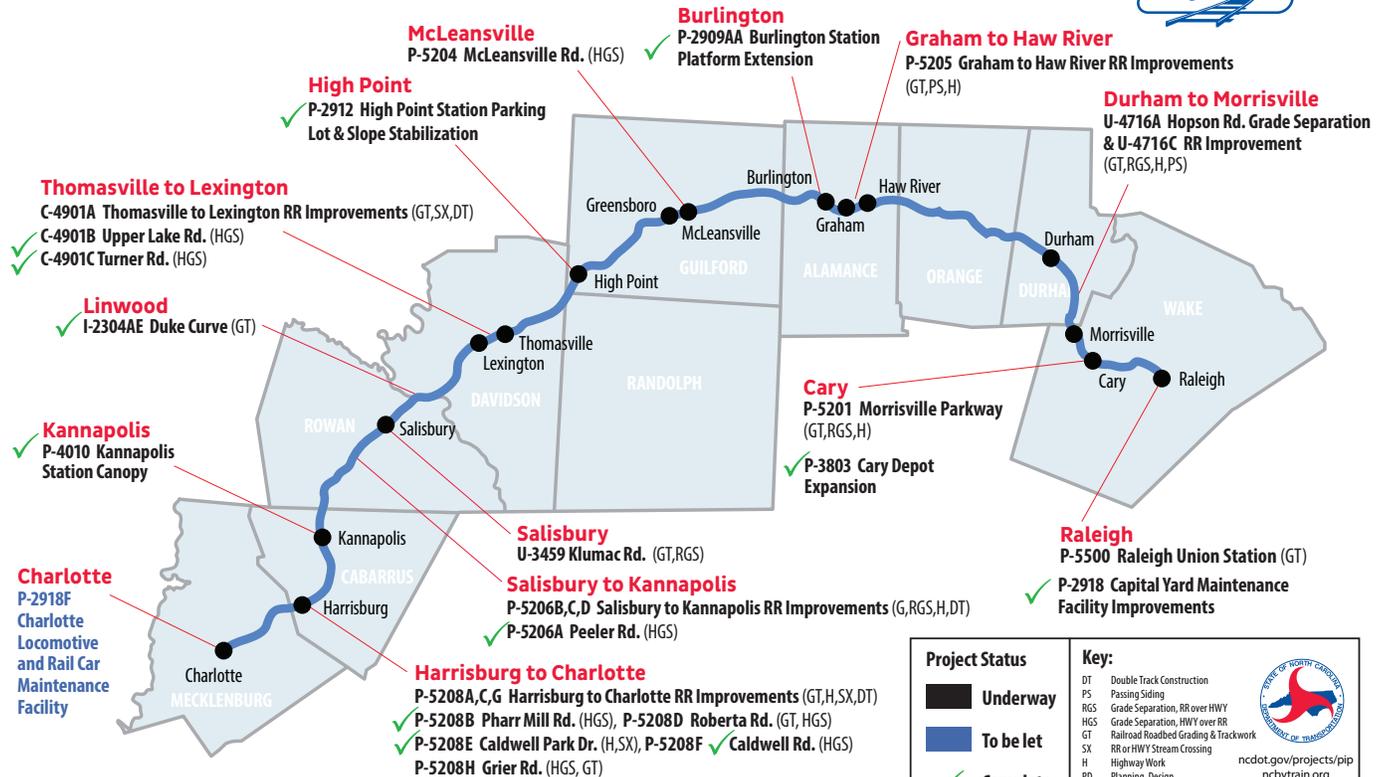
**1048**



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

\*November 2015 service modifications and annulments impacted ten Piedmont trains. On Nov. 3, Trains 74 and 75 were annulled to accommodate CATS work, which was canceled too late to reschedule the trips. In addition, on Nov. 9 and Nov. 16, Piedmont Trains 73 and 75 terminated at Kannapolis and Trains 74 and 76 originated there. In Nov. 2014, no Piedmont or Carolinian trains were annulled. Additional disruptions for PIP project work may continue to occur as necessary. Average gasoline prices were \$2.20/gallon in Nov. 2015 vs. \$2.95/gallon in Nov. 2014 (EIA Weekly Retail Gasoline for Lower Atlantic region), and are expected to continue to fall.

# Piedmont Improvement Program – December 2015 Status Report



## Project Schedule



## Spent to Date of \$520M (eff. 12/31/2015)

Component	Expenditure
PD&A/ROW	\$49,295,989
Equipment Procurement & Rebuild	\$27,710,949
Stations & Facilities	\$43,127,059
Track & Structures	\$241,398,945
CRISP	\$2,180,376
<b>Program Totals</b>	<b>\$363,713,318</b>

Ten new contracts totaling \$554,426 were awarded in November.

## Commitments to Date of \$520M (eff. 11/30/2015)

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

## PIP Milestones

**Morrisville** - The last remaining roadbed for the Nelson-Clegg passing siding has been accepted by Norfolk Southern and final track construction is underway. The siding is anticipated to be fully in service by end of March 2016.

**Thomasville** - Construction is underway on new number 24 turnouts, below, at new CP "Lake" within the Bowers to Lake double track project. Completion of the control point is anticipated for July 2016 with the overall completion of the project.



# Piedmont Improvement Program and Congestion Mitigation Project Photos Dec. 2015



Congestion Mitigation Project, CP Armstrong signals in service



P-5201 Morrisville Parkway, bridge construction



U-4716 Nelson to Clegg Passing Siding, track construction



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



P-5204 McLeansville Road Bridge Construction



P-5204 McLeansville Road Bridge Construction

# Piedmont Improvement Program Project Photos

## Dec. 2015



C-4901 Bowers to Lake, Rich Fork Creek Bridge



P-5206 Reid to North Kannapolis, industrial track construction



P-5206 Reid to North Kannapolis, Kimball Road Bridge waterproofing and backfill



P-5208A Haydock to Junker, Coddle Creek Bridge, drilled shaft construction for north interior bent



P-5208 Haydock to Junker, Track Construction



P-5208 Haydock to Junker, Rocky River Bridge Construction



NCDOT Board of Transportation – Multimodal Committee

## *Southeast Corridor Overview*

Paul Worley, Rail Division Director  
Eddie McFalls, PE, Strategic Initiatives Consultant



# US High Speed Rail Program

A national high speed rail (HSR) program was created by:

- **Intermodal Surface Transportation Act of 1991**
- **Transportation Equity Act for the 21st Century**
- **Fixing America's Surface Transportation (FAST)**
  - Formula and Discretionary Program for Freight Infrastructure
  - Subdivides Passenger Network into Northeast Corridor (NEC) and everything else – National Network (NN)
    - \$2.596 B over 5 Years for NEC
    - \$5.454 B over 5 Years for NN



# *Southeast Corridor History*

**1992** – Initial designation of SEHSR from Washington, DC to Charlotte as one of five federally designated national HSR corridors

**1995** – Richmond to Hampton Roads extension added

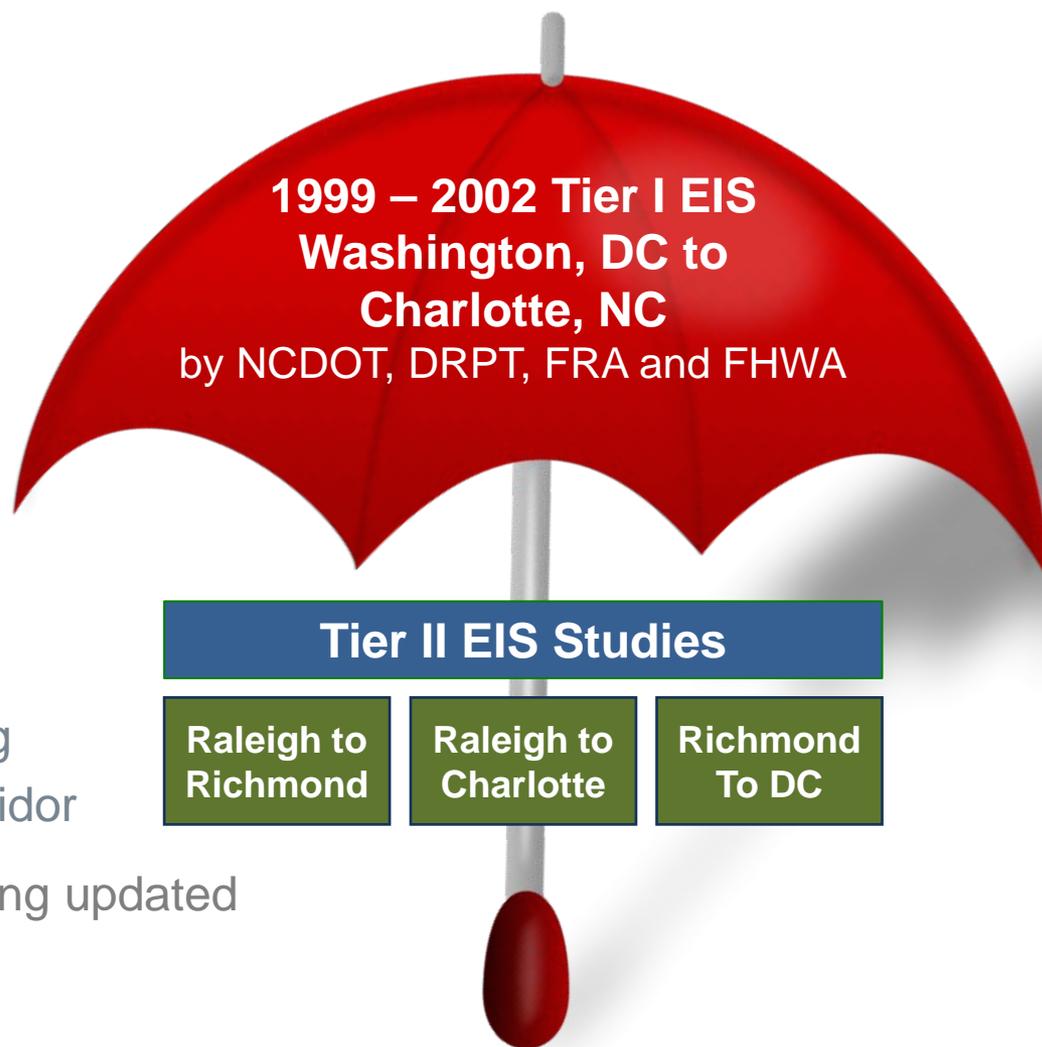
**1998** – Corridor extended to SC, GA and FL



# *Southeast Corridor Planning History*

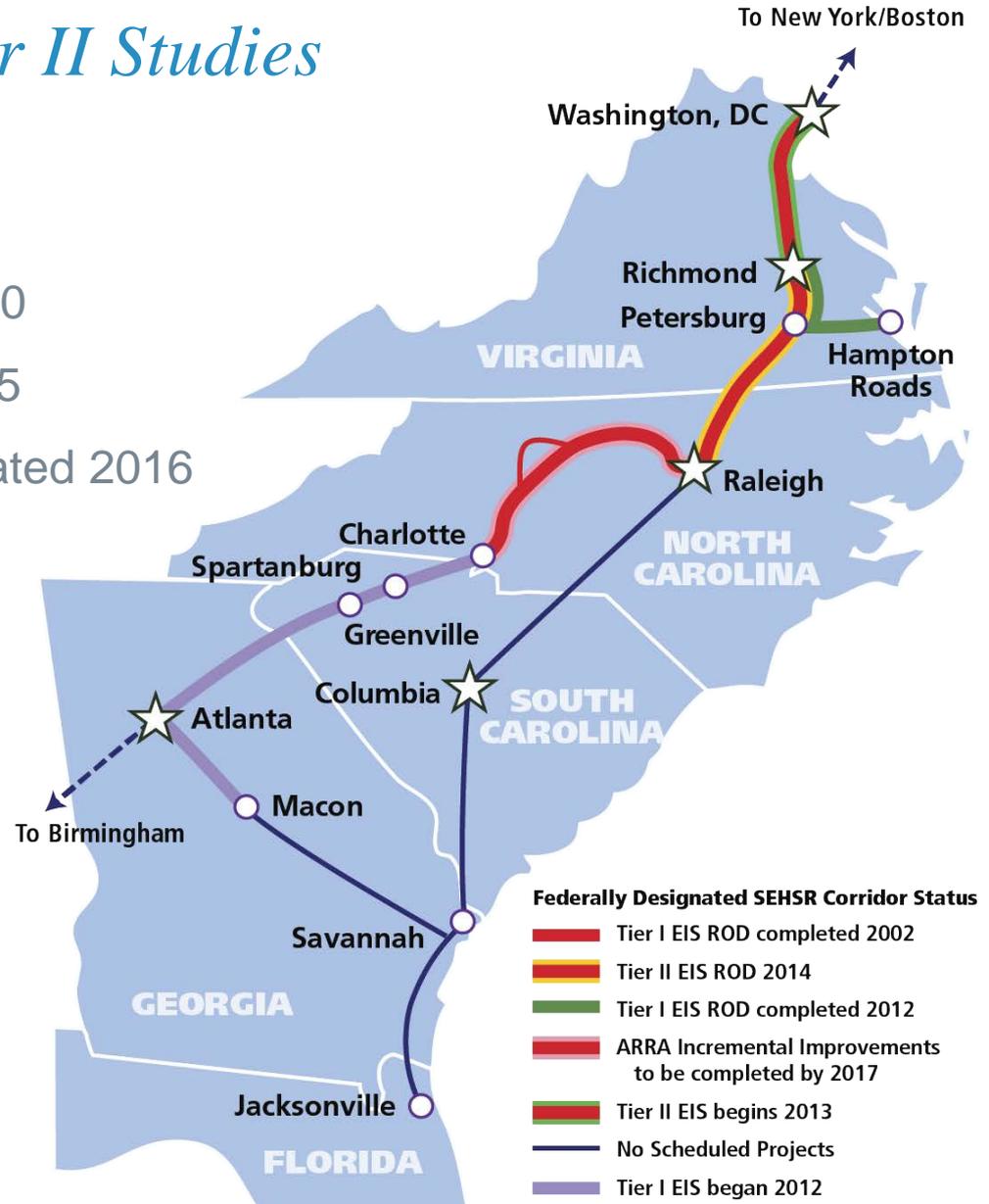
## **Tier I Study**

- Completed 2002, confirmed overall purpose and need and selection of the corridor between Washington and Charlotte
- Validated need for 8 round trips between Charlotte and Raleigh – 4 of those extending to Washington/Northeast Corridor
- Tier II Studies followed including updated ridership studies



# Tier II Studies

- **Raleigh to Richmond (R2R)**
  - Tier II DEIS completed 2010
  - Tier II FEIS completed 2015
  - Record of Decision anticipated 2016
- **DC to Richmond (DC2RVA)**
  - ROD expected 2017
- **Charlotte to Atlanta**
  - Tier I DEIS expected 2017



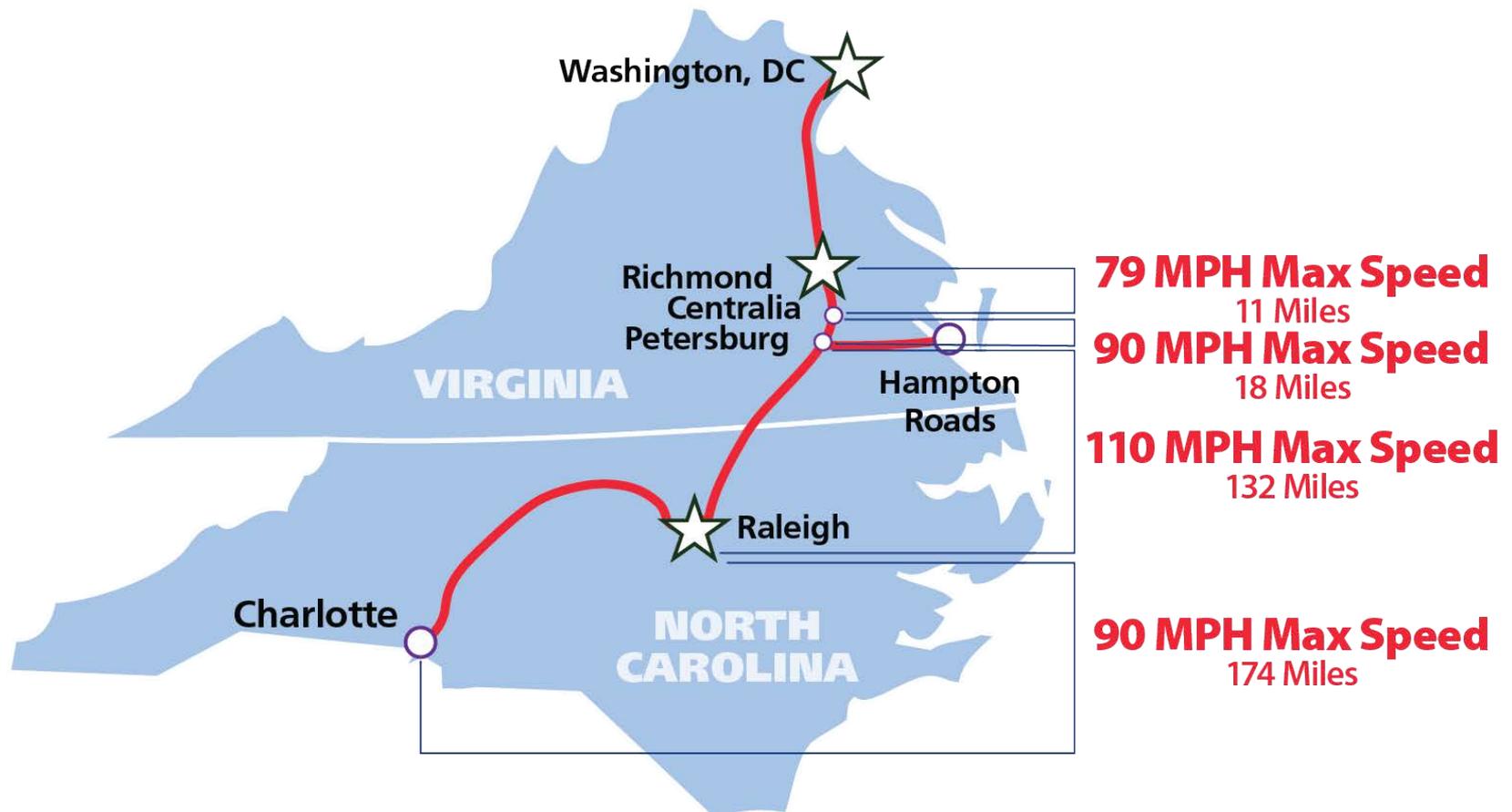
# Connecting Business Travelers

- Connecting the Southeast Corridor to the Northeast Corridor economic engine
- Connects NC business travelers to business centers in Richmond, New York and points in-between



# Speed Improvements

- SE Corridor will have diverse maximum operating speeds upon buildout

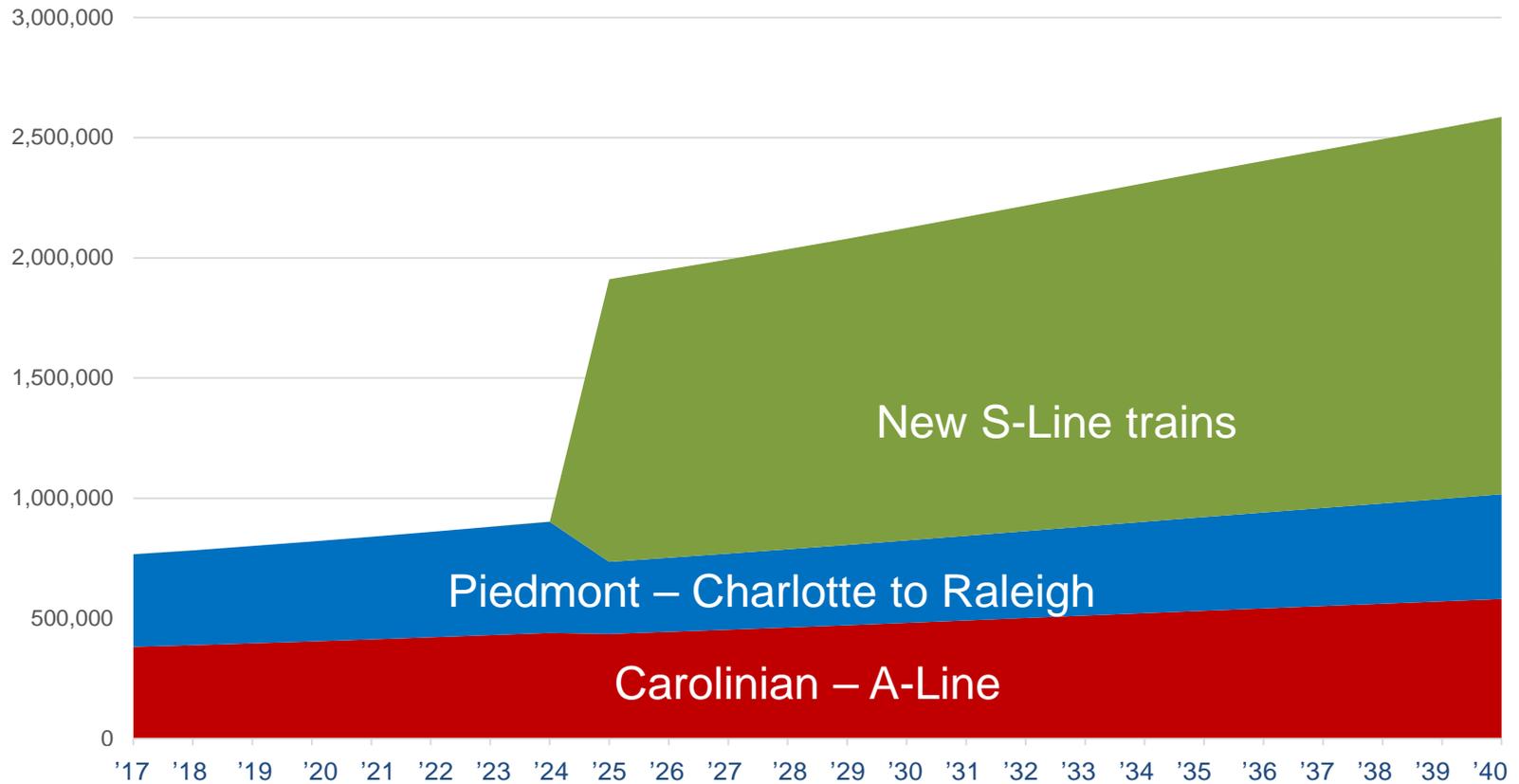


# *Ridership and Revenue Update*

- Ridership and Revenue was updated for Tier II EIS
- Ridership is based on a model prepared October 2013
- Actual ridership has proven model to be conservative
- Model update and assumptions include:
  - current ridership trends
  - train schedules
  - economic forecast
  - travel intercept studies – traveler preferences
  - population growth (20% by 2030)



# Projected SEC Ridership



Source: Southeast High Speed Rail Ridership, AECOM, October 2013

Asheville & Wilmington services require a cross platform transfer to Charlotte trains and are counted separately

# *Ridership and Revenue*

	Full Build* 2025	Full Build* with Southeastern NC & Western NC Services 2025	Full Build* with Southeastern NC & Western NC Services 2040
<b>TICKET REVENUES</b>			
<i>Piedmont/Carolinian</i> Trains	\$126,215,000	\$129,038,000	\$169,148,000
Amtrak Long Distance Trains**	\$28,303,000	\$28,228,000	\$35,172,000
SENC Raleigh-Wilmington Trains	--	\$665,000	\$927,000
WNC Salisbury-Asheville Trains	--	\$508,000	\$712,000
<b>RIDERSHIP</b>			
<i>Piedmont/Carolinian</i> Trains	1,866,700	1,911,200	2,586,300
Amtrak Long Distance Trains**	224,000	222,300	2800,100
SENC Raleigh-Wilmington Trains	--	37,000	50,100
WNC Salisbury-Asheville Trains	--	29,700	41,700

## *Creation of the Compact*

- Created in 2004 pursuant to 49 USC 24101
- One of two Congressionally approved Compacts in the nation (*other is Midwest*)
- Necessary to successfully advance this multi-state project
- The Compact's charter: support the development of a plan for the design, construction, financing, oversight and operation of the Southeast Corridor
- The NC Delegation of the Compact is meeting in February. A full Compact meeting is anticipated in March.

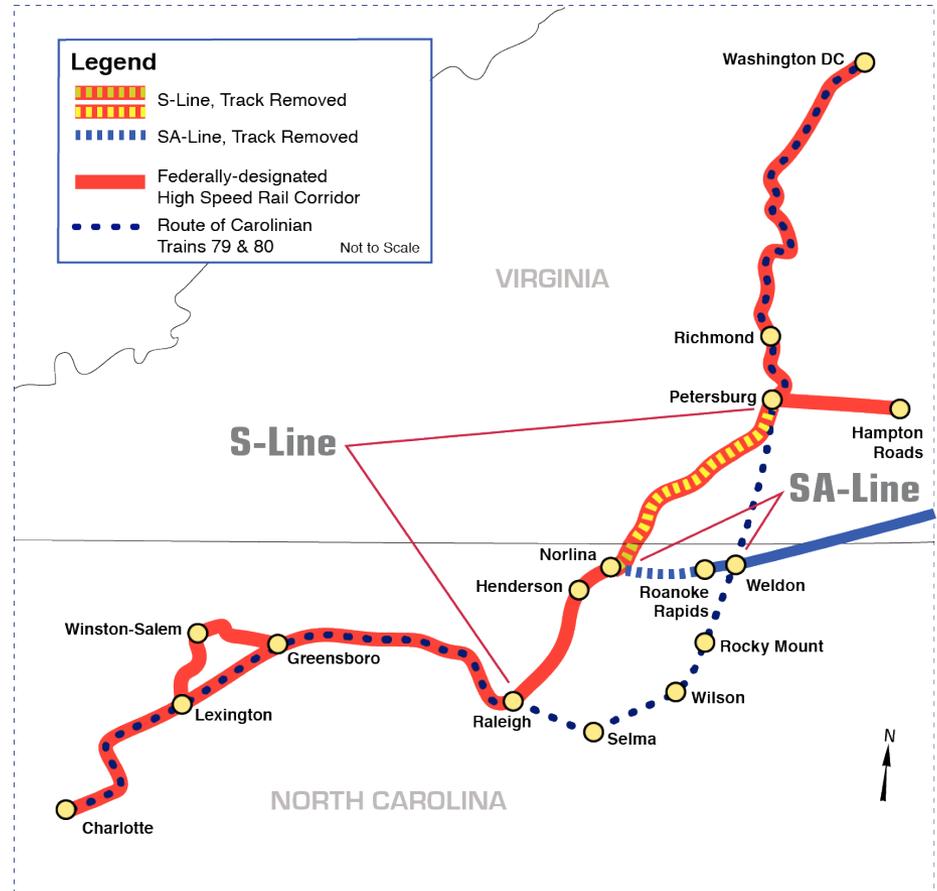


# *Potential Compact Issues*

- **VA-NC Interstate Rail Compact to Consider:**
  - Expanding role subject to Congressional Authorizations
  - Expanding footprint to include other Southeast states
  - Evaluate the potential role of a SE Corridor Commission
- **S-Line Acquisition**
- **Incremental Service Development Plan (ISDP)**
- **Federally-Led Regional Planning Study**
  - **CONNECT** Model
  - Evolving Governance Structure
- **Funding** – Opportunities to Leverage Nationally Significant Freight and Highways Program and TIGER funding – Full Build will require approximately \$4B in capital

# S-Line Acquisition

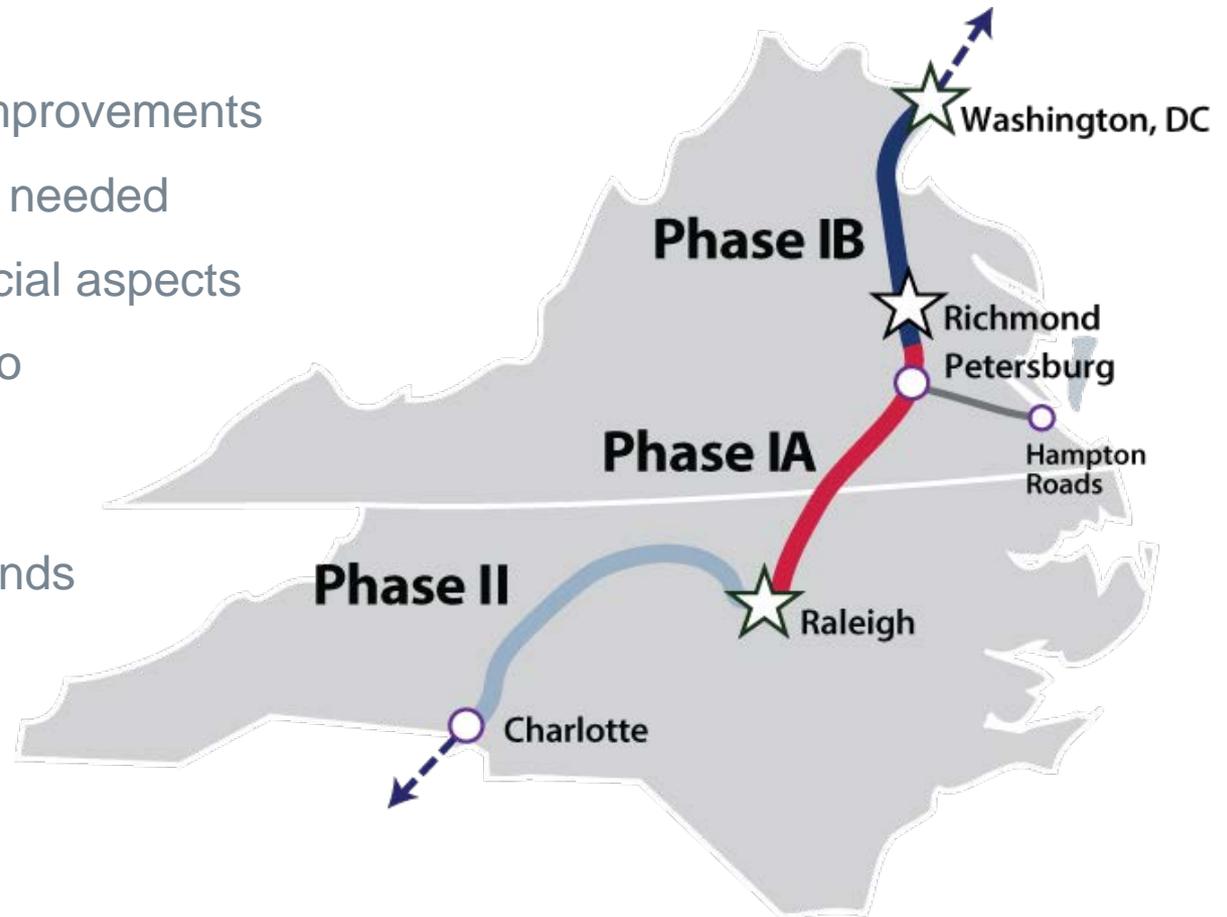
- NC and VA working with CSXT to preserve and acquire the corridor
- NC and CSXT will negotiate the purchase of S-Line and SA-Line; CSXT will retain freight rights
- NCDOT appraisal for NC portion of S-Line is complete - \$807K
- VA is pursuing a phased framework agreement with CSXT with the corridor to be CSXT's match for infrastructure improvements



# *NCDOT and the ISDP*

An **Integrated Service Development Plan** (*Raleigh to Centralia*) is needed to define:

- Incremental service improvements
- Capital improvements needed
- Operational and financial aspects
- Construction options to achieve full build-out
- Required for Federal Capital Investment Funds
- Some elements of the ISDP may be provided by the Federally-led Study



# *Federally-Led Regional Planning Study*

- New FRA regional planning projects underway for high performing rail (HPR) networks
- Projects will “knit” together needs on regional and national level using toolkit for conceptual planning:

## **CONceptual NEtwork Connections Tool**

### **CONNECT**

- The Southwest Region was used as a pilot study and had been completed
- FRA will begin studies on the Southeast and Midwest in the spring to position potential projects for future funding
- Study will include a section on Governance

## *Southeast Rail Forum 2016 Planned for March*

- The Southeast Rail Forum will be held on March 16-18, 2016 in Charlotte, North Carolina at the Sheraton Hotel.
- Hosted by NCDOT Rail Division and Women's Transportation Seminar (WTS)
- The forum sessions will highlight the need for rail to support our growing region and economy, the positive economic impacts of passenger and freight rail operations and investments, ongoing initiatives throughout the Southeast and associated challenges, the Federally-Led study, and governance issues on how to fund projects across state lines.
- <http://www.ncdot.gov/conferences/srf/>



*Questions?*





# ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

## BOARD OF TRANSPORTATION FEBRUARY 3, 2016

TIME: 3:00 PM

LOCATION: 160

TOPIC	PRESENTER	TIME
Don Buie – US 421 from US 1 to Cumnock Road, Lee County , Division 8 (Molamphy)	Leigh Wing	5 min
Other Business	Leigh Wing	15 min