

**North Carolina Board of Transportation  
Wednesday, April 30 and Thursday, May 1, 2014  
Agenda**

**WEDNESDAY, APRIL 30, 2014**

**9:00AM – 11:00AM**

<b><i>Committee Name</i></b>	<b><i>Location</i></b>
Multi-Modal Committee	EIC
Highways Committee	Room 150

**11:00AM – 11:30AM**

<b><i>Committee Name</i></b>	<b><i>Location</i></b>
Road Naming Committee	Room 160

**11:30AM – 12:00PM**

<b><i>Committee Name</i></b>	<b><i>Location</i></b>
Audit Committee	Room 160

**11:30AM                      Lunch is Available**

**Noon – 1:00PM              Working Lunch – Full Board Attendance                      Room 150**

- North Carolina Transportation Network Update                      Susan Pullium
- Update - Vision/Mission/Goals                      Susan Pullium
- Explore. Engage. Experience – A Look into DOT’s Office of Education Initiatives                      Ashley Goolsby

**1:00PM – 3:00PM**

<b><i>Committee Name</i></b>	<b><i>Location</i></b>
Economic Development & Intergovernmental Relations Committee	***1PM – 1:30PM only*** Room 150
Funding & Appropriation Strategies Committee	EIC

**3:00PM                      Meeting - Board Chair and Committee Chairs                      Room 152**

**3:00PM – 4:00PM              General Meeting Time                      Various Locations**

**THURSDAY, MAY 1, 2014 – 8:30AM**

**Room 150**

**Call to Order  
Invocation  
Approval of April Board Minutes  
Ethics Declaration**

**Chairman Curran  
Larry Kernea**

**Information and Delegated Authority**

**Secretary's Remarks**

**Secretary Tata**

- (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, Economic Development, Public Access and Senate Bill 1005 Discretionary
- (Item L) Approval of Funds for Specific Spot Safety Improvement Projects

**DMV Reform  
Division 13 Update**

**Randy Dishong  
David Brown**

**Action**

**Chairman Curran**

**Approval of Projects**

**Chairman Curran**

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

**Committee Reports  
Other Business  
Adjourn**

**Chairman Curran**

**Board of Transportation  
May 14, 2014 – 9:00 a.m.  
NCDOT 1<sup>th</sup> Floor Board Room  
Raleigh, North Carolina**

**WELCOME and CALL to ORDER**

*Chairman Curran*

**DECLARATION OF QUORUM**

*Chairman Curran*

**NON-CONFLICT / ETHICS STATEMENT**

*Chairman Curran*

**DISCUSSION OF ACTION ITEM**

- Action is requested of the Board of Transportation to approve the highway right of way conveyance in Division 5 pertaining to **Project 8.25211, Parcel 005, NC 147 (formerly SR 1998) in Durham County.**
- A conveyance of an approximate 4.430-acre surplus right of way area to the United Therapeutics Corporation, for the appraised value of \$73,500.00.

**CLOSING COMMENTS**

*Chairman Curran*

**ADJOURNMENT**

*Chairman Curran*

**PROJECTS LIST**  
**NORTH CAROLINA BOARD OF TRANSPORTATION**  
**RALEIGH, NORTH CAROLINA**  
**April 30 – May 1, 2014**

Delegated Authority ..... Secretary Tata

- (Item C) Award of Highway Construction Contracts from April 3, 2014 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, Economic Development, Public Access  
and Senate Bill 1005 Discretionary
- (Item L) Funds for Specific Spot Safety Improvement Projects

Action ..... Chairman Curran

- (Item G) Additions and Abandonments to State Secondary Road System
- (Item I) Public Transportation Program
  - (Item I-1) Public Transportation
  - (Item I-2) Rail Program
  - (Item I-3) Bicycle and Pedestrian
  - (Item I-4) Aviation
- (Item J) Specific State Funds for Construction Projects
- (Item K) Strategic Transportation Investments Funding and Specific  
North Carolina Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) Revisions to the 2012-2020 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**

**April 2014**

**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.  
APRIL, 2014  
DIVISION 00005

PAGE : 1 of 12  
ITEM C

C203390  
38520.3.FD1  
BRZ-1147(10)  
FRANKLIN  
B-4748  
04/15/2014

PROPOSAL LENGTH 0.133 MILES  
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.  
LOCATION BRIDGE #2 OVER HORSE CREEK ON SR-1147.

EST CONST PROGRESS.... FY-2014..26% OF BID  
FY-2015..74% OF BID

RPN 001 5 BIDDER(S) DBE GOAL 9.00 %  
ESTIMATE 835,666.20

DATE AVAILABLE MAY 27 2014  
INTER COMPLETION NOV 15 2014 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT  
FINAL COMPLETION MAY 14 2015

	\$ TOTALS	% DIFF
DANE CONSTRUCTION, INC. MOORESVILLE, NC	839,190.73	+0.4
DELLINGER, INC. MONROE, NC	844,384.52	+1.0
S. T. WOOTEN CORPORATION WILSON, NC	888,059.74	+6.3
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	909,090.00	+8.8
PALMETTO INFRASTRUCTURE INC GREENVILLE, SC	943,279.00	+12.9

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00005

---

PAGE : 2 of 12  
ITEM C

C203542  
5C.093067, 5CR.10351.14, 5CR.10931.14, 5CR.20931.14  
STATE FUNDED  
WARREN, FRANKLIN  
04/15/2014

PROPOSAL LENGTH 37.330 MILES

TYPE OF WORK MILLING RESURFACING & SHOULDER RECONSTRUCTION.

LOCATION US-401 FROM NC-39 IN FRANKLIN CO TO SR-1001 IN WARREN CO, US-1/158 FROM VANCE  
CO LINE TO NORLINA & 3 SECT OF SECOND RD

EST CONST PROGRESS.... FY-2014..25% OF BID  
FY-2015..75% OF BID

RPN 002 3 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 5.00%  
ESTIMATE 3,641,817.80

DATE AVAILABLE MAY 27 2014

FINAL COMPLETION NOV 21 2014

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	3,281,783.90	-9.9
CAROLINA SUNROCK LLC RALEIGH, NC	3,955,116.92	+8.6
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	4,335,733.90	+19.1

---

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00005

---

PAGE : 3 of 12  
ITEM C

C203543  
5CR.10911.13, 5CR.20911.13  
STATE FUNDED  
VANCE  
04/15/2014

PROPOSAL LENGTH 25.000 MILES

TYPE OF WORK MILLING RESURFACING & SHOULDER RECONSTRUCTION.

LOCATION US-1 BUS FROM US-1 BYPASS TO US-1 BYPASS, NC-39 NORTH FROM PAVEMENT CHANGE TO SR-1356 & 2 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2014..29% OF BID  
FY-2015..71% OF BID

RPN 003 3 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 6.00%  
ESTIMATE 2,629,087.24

DATE AVAILABLE MAY 27 2014

FINAL COMPLETION OCT 31 2014

	\$ TOTALS	% DIFF
S. T. WOOTEN CORPORATION WILSON, NC	2,367,814.08	-9.9
CAROLINA SUNROCK LLC RALEIGH, NC	2,698,062.50	+2.6
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	3,224,233.20	+22.6

---

HIGHWAY LETTING  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH N.C.  
 APRIL 2014  
 DIVISION 00007

C203433  
 34429.3.S8, 42345.3.2, 42345.3.FS1  
 STATE FUNDED, NHF-0073(25)  
 GUILFORD  
 R-2413A, R-2413B, I-5110

PROPOSAL LENGTH 9.400 MILES

TYPE OF WORK DESIGN BUILD.

LOCATION FUTURE I-73 FROM EXISTING SR-2085 (JOSEPH M BRYAN BLVD) / AIRPORT PKWY INTERCHANGE TO SOUTH OF US-220 NEAR HAW RIVER.

EST CONST PROGRESS.... FY-2014..07% OF BID  
 FY-2015..38% OF BID  
 FY-2016..30% OF BID  
 FY-2017..20% OF BID  
 FY-2018..05% OF BID

RPN 001 3 BIDDER(S) DBE GOAL 13.00 %  
 ESTIMATE 177,299,000.00

DATE AVAILABLE MAY 07 2014

INTER COMPLETION SEP 01 2017 COMPLETE ALL WORK FOR I-5110  
 DEC 31 2016 COMPLETE ALL WORK REQUIRED OF THE TAXIWAY BRIDGE,TEMP. I-73 CONNECTION AT AIRPORT PKWY INTERCHANGE & NORTH REGIONAL RD

FINAL COMPLETION NOV 15 2017

QUALITY ADJUSTED PRICE RANKING

PROPOSAL	TECH SCORE	QUALITY CREDIT %	ACTUAL CONT AMT (PRICE PROP)	ACT % DIFF	QUALITY VALUE	CONT AWARD BASIS (ADJ PRICE)	ADJ % DIFF
FLATIRON CONST INC-BLYTHE DEV	95.50	21.25	176,550,000.00	-0.4	37,516,875.00	139,033,125.00	-21.6
THE LANE-BARNHILL JOINT VENTURE	94.00	20.00	184,065,541.00	+3.8	36,813,108.20	147,252,432.80	-17.0
ARCHER WESTERN	88.00	15.00	183,750,000.00	+3.6	27,562,500.00	156,187,500.00	-11.9

PROPOSAL	PROPOSED COMPLETION DATE
FLATIRON CONSTRUCTORS, INC.- BLYTHE DEVE	APR 25 2017
THE LANE-BARNHILL JOINT VENTURE	AUG 25 2017
ARCHER WESTERN CONSTRUCTION LLC	SEP 29 2017

HIGHWAY LETTING  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH N.C.  
 APRIL 2014  
 DIVISION 00010

C203328  
 36780.3.FS1  
 NHIMF-85-2(77)55  
 ROWAN, CABARRUS  
 I-3802A

PROPOSAL LENGTH 7.900 MILES

TYPE OF WORK DESIGN-BUILD.

LOCATION I-85 FROM NORTH OF NC-73 (EXIT 55) TO NORTH OF LANE STREET (EXIT 63).

EST CONST PROGRESS.... FY-2014..05% OF BID  
 FY-2015..34% OF BID  
 FY-2016..27% OF BID  
 FY-2017..21% OF BID  
 FY-2018..13% OF BID

RPN 002                      3 BIDDER(S)              DBE GOAL 16.00 %  
ESTIMATE 191,461,750.00

DATE AVAILABLE              APR 28 2014

FINAL COMPLETION              JUN 15 2018

QUALITY ADJUSTED PRICE RANKING

PROPOSAL	TECH SCORE	QUALITY CREDIT %	ACTUAL CONT AMT (PRICE PROP)	ACT % DIFF	QUALITY VALUE	CONT AWARD BASIS (ADJ PRICE)	ADJ % DIFF
BLYTHE CONSTRUCTION, INC.	91.50	14.335	186,687,000.00	-2.5	26,761,581.45	159,925,418.55	-16.5
THE LANE CONSTRUCTION CORP	97.00	18.00	212,726,772.00	+11.1	38,290,818.96	174,435,953.04	-8.8
FLATIRON CONSTR-BLYTHE DEV	85.00	10.00	202,742,000.00	+5.9	20,274,200.00	182,467,800.00	-4.7

PROPOSAL	PROPOSED COMPLETION DATE
BLYTHE CONSTRUCTION, INC.	DEC 15 2017
THE LANE CONSTRUCTION CORP	NOV 30 2017
FLATIRON CONSTRUCTORS, INC.- BLYTHE DEVELOPMENT COMPANY JOINT	OCT 15 2017

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00010

---

PAGE : 6 of 12  
ITEM C

C203511

10CR.10041.49, 10CR.10041.50, 10CR.10041.51, 10CR.20041.40, 10CR.20041.45, 10CR.20041.46

STATE FUNDED

ANSON

04/15/2014

PROPOSAL LENGTH 16.900 MILES

TYPE OF WORK WIDENING, AND RESURFACING.

LOCATION 1 SECTION OF US-52, 2 SECTIONS OF NC-742, AND 3 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2015..100% OF BID

RPN 004 4 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 6.00%  
ESTIMATE 3,518,306.45

DATE AVAILABLE JUL 01 2014

FINAL COMPLETION JUN 20 2015

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY TARBORO, NC	3,284,680.48	-6.6
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	3,539,372.11	+0.6
BOGGS PAVING, INC. MONROE, NC	3,734,844.78	+6.2
HUDSON PAVING, INC. ROCKINGHAM, NC	3,899,740.43	+10.8

---

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00010

---

PAGE : 7 of 12  
ITEM C

C203541

10CR.10131.37, 10CR.20131.105, 10CR.20131.106, 10CR.20131.107, 10CR.20131.108, 10CR.20131.109,  
10CR.20131.110, 10CR.20131.111, 10CR.20131.112, 10CR.20131.113, 10CR.20131.114, 10CR.20131.115

STATE FUNDED

CABARRUS

04/15/2014

PROPOSAL LENGTH 20.020 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION NC-200 FROM STANLY COUNTY TO SR-1006, AND 11 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2015..100% OF BID

RPN 005 6 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 6.00%  
ESTIMATE 3,710,413.55

DATE AVAILABLE JUL 01 2014

INTER COMPLETION DEC 01 2014 COMPLETE ALL WORK REQUIRED FOR MAPS 4, 7, 10, 11 & 12

FINAL COMPLETION JUN 30 2015

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	3,389,478.52	-8.6
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	3,432,070.04	-7.5
FEREBEE CORPORATION CHARLOTTE, NC	3,526,690.36	-5.0
BLYTHE BROTHERS ASPHALT CO LLC CHARLOTTE, NC	3,668,562.99	-1.1
THE LANE CONSTRUCTION CORP CHESHIRE, CT	4,117,317.57	+11.0
BOGGS PAVING, INC. MONROE, NC	4,171,212.51	+12.4

---

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00010

---

PAGE : 8 of 12  
ITEM C

C203531

10CR.10901.37, 10CR.10901.38, 10CR.10901.39, 10CR.20901.100, 10CR.20901.101, 10CR.20901.102,  
10CR.20901.103, 10CR.20901.94, 10CR.20901.95, 10CR.20901.96, 10CR.20901.97, 10CR.20901.98, 10CR.20901.99

STATE FUNDED

UNION

04/15/2014

PROPOSAL LENGTH 24.770 MILES

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

LOCATION 2 SECTIONS OF NC-207, 1 SECTION OF NC-601 & 10 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2015..100% OF BID

RPN 006 2 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 6.00%  
ESTIMATE 5,988,443.38

DATE AVAILABLE JUL 01 2014

FINAL COMPLETION JUN 20 2015

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	5,630,023.54	-6.0
BOGGS PAVING, INC. MONROE, NC	6,383,246.29	+6.6

---

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00011

---

PAGE : 9 of 12  
ITEM C

C203508  
17BP.11.R.56  
STATE FUNDED  
SURRY  
04/15/2014

PROPOSAL LENGTH 0.244 MILES  
TYPE OF WORK GRADING, DRAINAGE, PAVING & STRUCTURES.  
LOCATION BRIDGE #155 ON NC-268 (SOUTH KEY ST) OVER US-52 AND BRIDGE #156 ON COOK SCHOOL RD OVER US-52.

EST CONST PROGRESS.... FY-2014..05% OF BID  
FY-2015..63% OF BID  
FY-2016..32% OF BID

RPN 007 4 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%  
ESTIMATE 3,582,421.16

DATE AVAILABLE MAY 27 2014  
INTER COMPLETION JUN 01 2016 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR PERMANENT VEGETATION ESTABLISHMENT  
FINAL COMPLETION NOV 28 2016

	\$ TOTALS	% DIFF
SMITH-ROWE, LLC MOUNT AIRY, NC	3,139,882.88	-12.4
CAROLINA BRIDGE CO., INC. ORANGEBURG, SC	3,918,721.81	+9.4
CROWDER CONSTRUCTION COMPANY CHARLOTTE, NC	3,934,704.10	+9.8
DANE CONSTRUCTION, INC. MOORESVILLE, NC	3,979,197.46	+11.1

---

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00011

PAGE : 10 of 12  
ITEM C

C203509  
17BP.11.R.115  
STATE FUNDED  
YADKIN, SURRY  
04/15/2014

PROPOSAL LENGTH 0.960 MILES  
TYPE OF WORK DESIGN BUILD.  
LOCATION REPLACEMENT OF 9 BRIDGES IN SURRY COUNTY AND 3 IN YADKIN COUNTY.

EST CONST PROGRESS.... FY-2014..02% OF BID  
FY-2015..42% OF BID  
FY-2016..32% OF BID  
FY-2017..20% OF BID  
FY-2018..04% OF BID

RPN 012 5 BIDDER(S) MBE GOAL 2.00 % WBE GOAL 7.00%  
ESTIMATE 13,249,377.00

DATE AVAILABLE MAY 26 2014  
FINAL COMPLETION OCT 15 2017

	\$ TOTALS	% DIFF
SMITH-ROWE, LLC MOUNT AIRY, NC	10,342,293.98	-21.9
JAMES R. VANNOY & SONS CONSTRUCTION COMPANY, INC JEFFERSON, NC	11,515,353.20	-13.1
CROWDER CONSTRUCTION COMPANY CHARLOTTE, NC	11,644,300.00	-12.1
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	14,020,450.00	+5.8
* KIEWIT INFRASTRUCTURE SOUTH CO. PEACHTREE CITY, GA	14,726,537.00	+11.1

\* BOND EXECUTED IMPROPERLY  
\* INCORRECT DATE ON BOND POA

\* DENOTES IRREGULAR BID

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
APRIL, 2014  
DIVISION 00013

PAGE : 11 of 12  
ITEM C

C203510  
17BP.13.R.150  
STATE FUNDED  
BURKE, RUTHERFORD, MCDOWELL  
04/15/2014

PROPOSAL LENGTH 0.830 MILES

TYPE OF WORK DESIGN BUILD.

LOCATION REPLACEMENT OF 5 BRIDGES IN BURKE COUNTY, 3 IN MCDOWELL COUNTY, AND 4 IN RUTHERFORD COUNTY.

EST CONST PROGRESS.... FY-2014..02% OF BID  
FY-2015..42% OF BID  
FY-2016..32% OF BID  
FY-2017..20% OF BID  
FY-2018..04% OF BID

RPN 013 5 BIDDER(S) MBE GOAL 2.00 % WBE GOAL 7.00%  
ESTIMATE 7,043,018.00

DATE AVAILABLE MAY 26 2014

FINAL COMPLETION OCT 15 2017

	\$ TOTALS	% DIFF
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	7,473,172.00	+6.1
CROWDER CONSTRUCTION COMPANY CHARLOTTE, NC	8,109,475.00	+15.1
JAMES R. VANNOY & SONS CONSTRUCTION COMPANY, INC JEFFERSON, NC	8,614,439.05	+22.3
DANE CONSTRUCTION, INC. MOORESVILLE, NC	9,606,455.00	+36.4
* WRIGHT BROTHERS CONSTRUCTION COMPANY, INC. CHARLESTON, TN	10,119,883.00	+43.7

\* BOND EXECUTED IMPROPERLY

\* APPROPRIATE TITLE NOT SELECTED

\* DENOTES IRREGULAR BID

HIGHWAY LETTING  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH N.C.  
 APRIL, 2014  
 DIVISION 00014

C202778  
 33627.3.FD1  
 BRZ-1107(9)  
 TRANSYLVANIA  
 B-4288  
 04/15/2014

PROPOSAL LENGTH 0.109 MILES  
 TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.  
 LOCATION BRIDGE OVER EAST FORK FRENCH BROAD RIVER AND APPROACHES ON SR-1107.

EST CONST PROGRESS.... FY-2014..13% OF BID  
 FY-2015..87% OF BID

RPN 011                      3 BIDDER(S)              DBE GOAL    9.00 %  
ESTIMATE 729,783.04

DATE AVAILABLE            MAY 27 2014  
 INTER COMPLETION        MAY 15 2015 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR  
 PERMANENT VEGETATION ESTABLISHMENT  
 FINAL COMPLETION        NOV 11 2015

	\$ TOTALS	% DIFF
NHM CONSTRUCTORS, LLC ASHEVILLE, NC	667,795.90	-8.5
BUCKEYE BRIDGE, LLC CANTON, NC	716,686.50	-1.8
CAROLINA BRIDGE CO., INC. ORANGEBURG, SC	733,585.16	+0.5

ESTIMATE TOTAL	413,689,083.82	
LETTING TOTAL	403,653,116.01	-2.4

## NCDOT May 2014 Board of Transportation Agenda

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

### Professional Services Management

#### Preconstruction

##### Roadway Design

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ a private firm to prepare right of way and final plans 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:	34410.1.S27 (R-2248G) Mecklenburg County I-485 Charlotte Outer Loop Interchange with SR 2042 (Oakdale Road)
Scope of Work:	Roadway Design, Erosion Control Plans, and Traffic Control Plans
Estimated Construction Cost:	\$1,900,000.00
Firm:	Wetherill Engineering, Inc., Raleigh, NC
Maximum Engineering Fee:	\$123,478.88
DBE/WBE/SPSF Utilization:	100%

##### Geotechnical

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for a variety of geotechnical activities associated with, geotechnical and/or geophysical investigations, and/or foundation design and/or testing, geoenvironmental assessment and/or remediation on transportation projects on an as needed basis for various federal-aid and state funded projects to support the Geotechnical Unit. These contracts will expire three (3) years after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

##### STATEWIDE

Description of Work:	Geotechnical Engineering Limited Services
Firm:	AMEC Environmental & Infrastructure, Inc., Durham, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Apex Companies, LLC, Mooresville, NC
Maximum Engineering Fee:	\$1,000,000.00
DBE/WBE/SPSF Utilization:	Prism Laboratories, Inc. \$50,000.00 5%

**May 1, 2014**

SPSF Utilization:	KB Labs, Inc., \$50,000.00 5%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Catlin Engineers and Scientists, Wilmington, NC
Maximum Engineering Fee:	\$5,000,000.00
SPSF Utilization:	100%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	ECS Carolinas, LLP, Charlotte, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	ESP Associates, PA, Charlotte, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Falcon Engineering, Inc., Raleigh NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	100%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Froehling & Robertson, Inc., Raleigh, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Geosyntec Consultants of NC, PC, Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
DBE/SPSF Utilization:	A1 Consulting Group, Inc. \$100,000.00 10%
SPSF Utilization:	Falcon Engineering \$50,000.00 5%
DBE/WBE/SPSF Utilization:	Prism Laboratories, Inc. \$50,000.00 5%
DBE/WBE/SPSF Utilization:	Sepi Engineering & Construction \$50,000.00 5%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Geotechnical Environmental and Testing Solutions, Inc., Elizabeth City, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	100%

Description of Work:	Geotechnical Engineering Limited Services
Firm:	Hart & Hickman, PC, Charlotte, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	HDR Engineering Inc. of the Carolinas, Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	ICA Engineering, Inc., Nashville, Tennessee
Maximum Engineering Fee:	\$3,000,000.00
DBE/SPSF Utilization:	A1 Consulting Group, Inc. \$450,000.00 15%
DBE/WBE/SPSF Utilization:	CH Engineering, PLLC \$150,000.00 5%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Kleinfelder Southeast, Inc., Greensboro, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	Pyramid Environmental & Engineering, PC \$60,000.00 2%
DBE/WBE/SPSF Utilization:	Sepi Engineering & Construction, Inc. \$60,000.00 2%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Pyramid Environmental & Engineering, PC, Greensboro, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	100%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Schnabel Engineering South, PC, Greensboro, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	Falcon Engineering \$90,000.00 3%
SPSF Utilization:	Joyner Keeney, PLLC \$90,000.00 3%
SPSF Utilization:	Allied Associates, PA \$90,000.00 3%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	Seramur & Associates, PC, Boone, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	100%
Description of Work:	Geotechnical Engineering Limited Services
Firm:	S&ME, Inc., Raleigh, NC
Maximum Engineering Fee:	\$5,000,000.00
SPSF Utilization:	0%

**May 1, 2014**

Description of Work: Geotechnical Engineering Limited Services  
Firm: Solutions - IES, Inc., Raleigh, NC  
Maximum Engineering Fee: \$3,000,000.00  
DBE/WBE/SPSF Utilization: 100%

Description of Work: Geotechnical Engineering Limited Services  
Firm: Stewart Engineering, Inc., Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: 100%

Description of Work: Geotechnical Engineering Limited Services  
Firm: Summit Design and Engineering Services, PLLC,  
Hillsborough, NC  
Maximum Engineering Fee: \$3,000,000.00  
SPSF Utilization: 100%

Description of Work: Geotechnical Engineering Limited Services  
Firm: Terracon Consultants, Inc., Raleigh, NC  
Maximum Engineering Fee: \$5,000,000.00  
DBE/WBE/SPSF Utilization: CH Engineering, PLLC \$250,000.00  
5%  
DBE/WBE/SPSF Utilization: Prism Laboratories, Inc. \$250,000.00  
5%

Description of Work: Geotechnical Engineering Limited Services  
Firm: URS Corporation – North Carolina, Morrisville, NC  
Maximum Engineering Fee: \$3,000,000.00  
SPSF Utilization: 0%

Description of Work: Geotechnical Engineering Limited Services  
Firm: Vistabution, LLC, Raleigh NC  
Maximum Engineering Fee: \$1,000,000.00  
DBE/MBE/SPSF Utilization: 100%

**Project Development and Environmental Analysis – Project Development**

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ a private firm to prepare planning documents 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 13**

Project: 39970.1.1 (I-4759) Buncombe County  
I-40 at SR 1228 (Liberty Road); US 19-23/NC  
151 to SR 1224 (Monte Vista Road)  
Scope of Work: Environmental Assessment, FONSI,  
Preliminary Designs, and Public Involvement  
Estimated Construction Cost: \$21,200,000.00  
Firm: HNTB North Carolina, PC, Raleigh, NC  
Maximum Engineering Fee: \$1,200,000.00  
SPSF Utilization: 0%

**Project Development and Environmental Analysis – Natural Environment**

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

**STATEWIDE**

Description of Work: Bat Surveys and Monitoring Limited Services  
Firm: Civil & Environmental Consultants, Inc.,  
Franklin, Tennessee  
Maximum Engineering Fee: \$750,000.00  
SPSF Utilization: Eco-Tech Consultants, Inc. \$187,500.00  
25%

Description of Work: Bat Surveys and Monitoring Limited Services  
Firm: Copperhead Environmental Consulting, Paint  
Lick, Kentucky  
Maximum Engineering Fee: \$750,000.00  
SPSF Utilization: 0%

Description of Work: Bat Surveys and Monitoring Limited Services  
Firm: Ecological Engineering, LLP, Cary, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: 100%

Description of Work: Bat Surveys and Monitoring Limited Services  
Firm: Stantec Consulting Services, Inc., Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: 0%

**Project Development and Environmental Analysis and Roadway Design**

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

**STATEWIDE**

Description of Work:	Planning and Design Limited Services
Firm:	AECOM Technical Services of North Carolina, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	Ecological Engineering, LLP \$50,000.00 5%
SPSF Utilization:	Summit Design and Engineering Services, LLC \$50,000.00 5%
SPSF Utilization:	The Catena Group \$10,000.00 1%
SPSF Utilization:	Patriot Transportation Engineering, PLLC \$10,000.00 1%
SPSF Utilization:	Eydo, Inc. \$10,000.00 1%
Description of Work:	Planning and Design Limited Services
Firm:	Arcadis G&M of North Carolina, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	Sungate Design Group, PA \$100,000.00 10%
DBE/SPSF Utilization:	MI Engineering, PLLC \$100,000.00 10%
SPSF Utilization:	Eydo, Inc. \$50,000.00 5%
Description of Work:	Planning and Design Limited Services
Firm:	Atkins North America, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	Falcon Engineering, Inc. \$40,000.00 4%
SPSF Utilization:	Hinde Engineering, Inc. \$60,000.00 6%
SPSF Utilization:	Eydo, Inc. \$20,000.00 2%
SPSF Utilization:	The Catena Group \$30,000.00 3%

Description of Work: Planning and Design Limited Services  
Firm: H. W. Lochner, Inc., Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: The Catena Group \$50,000.00  
5%  
DBE/WBE/SPSF Utilization: Planning Communities, LLC \$10,000.00  
1%  
SPSF Utilization: Ecological Engineering, LLP \$90,000.00  
9%  
SPSF Utilization: Hinde Engineering, Inc. \$50,000.00  
5%  
SPSF Utilization: Ramey Kemp & Associates, Inc. \$50,000.00  
5%

Description of Work: Planning and Design Limited Services  
Firm: Hatch Mott MacDonald I&E, LLC, Fuquay-  
Varina, NC  
Maximum Engineering Fee: \$1,000,000.00  
DBE/WBE/SPSF Utilization: Three Oaks Engineering \$150,000.00  
15%  
SPSF Utilization: Axiom Environmental, Inc. \$20,000.00  
2%  
SPSF Utilization: Progressive Design Group, Inc. \$30,000.00  
3%  
SPSF Utilization: Falcon Engineering, Inc. \$20,000.00  
2%

Description of Work: Planning and Design Limited Services  
Firm: HDR Engineering Inc. of the Carolinas,  
Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
DBE/WBE/SPSF Utilization: Wetherill Engineering, Inc. \$50,000.00  
5%  
DBE/WBE/SPSF Utilization: Planning Communities \$100,000.00  
10%  
SPSF Utilization: Ramey Kemp & Associates \$50,000.00  
5%

Description of Work: Planning and Design Limited Services  
Firm: HNTB North Carolina, PC, Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: Environmental Services, Inc. \$150,000.00  
15%  
DBE/SPSF Utilization: MA Engineering Consultants, Inc.  
\$150,000.00  
15%  
SPSF Utilization: Eydo, Inc. \$50,000.00  
5%  
SPSF Utilization: The Catena Group \$150,000.00  
15%

Description of Work: Planning and Design Limited Services  
Firm: ICA Engineering, Inc., Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
DBE/WBE/SPSF Utilization: CH Engineering, PLLC \$30,000.00  
3%  
SPSF Utilization: The Catena Group \$30,000.00  
3%

Description of Work: Planning and Design Limited Services  
Firm: Kimley-Horn and Associates, Inc., Cary, NC  
Maximum Engineering Fee: \$1,000,000.00  
DBE/WBE/SPSF Utilization: Wetherill Engineering, Inc. \$100,000.00  
10%  
SPSF Utilization: Falcon Engineering, Inc. \$30,000.00  
3%

DBE/MBE/SPSF Utilization: Simpson Engineers & Associates, PC  
\$60,000.00  
6%

SPSF Utilization: Patriot Transportation Engineering, PLLC  
\$50,000.00  
5%

SPSF Utilization: The Catena Group \$10,000.00  
1%

SPSF Utilization: Eydo, Inc. \$10,000.00  
1%

Description of Work: Planning and Design Limited Services  
Firm: Moffatt & Nichol, Inc., Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: Falcon Engineering, Inc. \$50,000.00  
5%

SPSF Utilization: Rivers & Associates, Inc. \$50,000.00  
5%

DBE/SPSF Utilization: MA Engineering Consultants, Inc. \$50,000.00  
5%

SPSF Utilization: Ramey Kemp & Associates, Inc. \$50,000.00  
5%

SPSF Utilization: Eydo, Inc. \$50,000.00  
5%

Description of Work: Planning and Design Limited Services  
Firm: Mulkey Engineers & Consultants, Cary, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: Hinde Engineering, Inc. \$30,000.00  
3%

SPSF Utilization: Ramey Kemp & Associates, Inc. \$60,000.00  
6%

SPSF Utilization: Patriot Transportation Engineering, PLLC  
\$20,000.00  
2%

SPSF Utilization: Eydo, Inc. \$10,000.00  
1%

**May 1, 2014**

Description of Work: Planning and Design Limited Services  
Firm: Parsons Brinckerhoff, Inc., Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: Axiom Environmental, Inc. \$50,000.00  
5%  
SPSF Utilization: Eydo, Inc. \$50,000.00  
5%  
DBE/SPSF Utilization: MA Engineering Consultants, Inc. \$50,000.00  
5%

Description of Work: Planning and Design Limited Services  
Firm: Rummel, Klepper, and Kahl, Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: Falcon Engineering, Inc. \$30,000.00  
3%  
SPSF Utilization: Ramey Kemp and Associates \$30,000.00  
3%  
SPSF Utilization: The Catena Group \$30,000.00  
3%  
SPSF Utilization: Eydo, Inc. \$30,000.00  
3%

Description of Work: Planning and Design Limited Services  
Firm: RS&H Architects-Engineers-Planners, Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
SPSF Utilization: Carolina Ecosystems, Inc. \$25,000.00  
2.5%  
SPSF Utilization: Eydo, Inc. \$25,000.00  
2.5%  
SPSF Utilization: The Progressive Design Group \$25,000.00  
2.5%  
SPSF Utilization: Utility Coordination Consultants, LLC  
\$25,000.00  
2.5%

Description of Work: Planning and Design Limited Services  
Firm: Stantec Consulting Services, Inc., Raleigh, NC  
Maximum Engineering Fee: \$1,000,000.00  
DBE/WBE/SPSF Utilization: Wetherill Engineering, Inc. \$50,000.00  
5%  
SPSF Utilization: Falcon Engineering, Inc. \$50,000.00  
5%  
SPSF Utilization: Patriot Transportation Engineering, PLLC  
\$50,000.00  
5%  
SPSF Utilization: Eydo, Inc. \$30,000.00  
3%

Description of Work:	Planning and Design Limited Services
Firm:	Stewart Engineering, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	100%
Description of Work:	Planning and Design Limited Services
Firm:	Three Oaks Engineering, PC, Durham, NC
Maximum Engineering Fee:	\$1,000,000.00
DBE/WBE/SPSF Utilization:	100%
Description of Work:	Planning and Design Limited Services
Firm:	URS Corporation- North Carolina, Morrisville, NC
Maximum Engineering Fee:	\$1,000,000.00
DBE/WBE/SPSF Utilization:	Wetherill Engineering, Inc. \$50,000.00
SPSF Utilization:	5%
SPSF Utilization:	Eydo, Inc. \$50,000.00
SPSF Utilization:	5%
SPSF Utilization:	The Catena Group \$50,000.00
SPSF Utilization:	5%
Description of Work:	Planning and Design Limited Services
Firm:	VHB Engineering NC, PC, Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
DBE/SPSF Utilization:	MI Engineering, PLLC \$50,000.00
DBE/WBE/SPSF Utilization:	5%
DBE/WBE/SPSF Utilization:	CH Engineering, PLLC \$30,000.00
DBE/WBE/SPSF Utilization:	3%
SPSF Utilization:	The Catena Group \$40,000.00
SPSF Utilization:	4%
SPSF Utilization:	Sungate Design Group \$50,000.00
SPSF Utilization:	5%
Description of Work:	Planning and Design Limited Services
Firm:	Wetherill Engineering, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
DBE/WBE/SPSF Utilization:	100%

### Technical Services

#### Location & Surveys

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

#### STATEWIDE

Description of Work:	Location and Surveys Limited Services
Firm:	McKim & Creed, Inc., Raleigh, NC
Original Engineering Fee:	\$500,000.00
Supplemental Fee:	\$ 25,000.00
SPSF Utilization:	0%

**May 1, 2014**

### Turnpike Authority

#### DIVISION 10

Project: 34533.1.TA1 (R-3329) Mecklenburg-Union Counties, US 74 Monroe Connector Bypass, I-485 (Charlotte Outer Loop) to US 74 (Monroe Bypass)

Description of Work: NEPA documentation, environmental, and engineering

Firm: Atkins North America, Inc., Raleigh, NC

Estimated Construction Cost: \$195,985,000.00

Original Engineering Fee: \$ 2,150,000.00

Previous Supplement Fee: \$ 2,519,000.00

Supplemental Fee: \$ 250,000.00 and one (1) year time extension

SPSF Utilization: 0%

### Field Support

#### Roadside Environmental

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

#### STATEWIDE

Description of Work: Roadside Enhancement Limited Services

Firm: AMEC Environment & Infrastructure, Inc., Durham, NC

Maximum Engineering Fee: \$500,000.00

SPSF Utilization: 0%

Description of Work: Roadside Enhancement Limited Services

Firm: Design Workshop, Inc., Asheville, NC

Maximum Engineering Fee: \$500,000.00

SPSF Utilization: 0%

Description of Work: Roadside Enhancement Limited Services

Firm: OBS Landscape Architects, Raleigh, NC

Maximum Engineering Fee: \$500,000.00

SPSF Utilization: 0%

Description of Work: Roadside Enhancement Limited Services

Firm: Stewart Engineering, Inc., Raleigh, NC

Maximum Engineering Fee: \$500,000.00

SPSF Utilization: 100%

Description of Work: Roadside Enhancement Limited Services

Firm: Stimmel Associates, P.A., Winston-Salem, NC

Maximum Engineering Fee: \$500,000.00

SPSF Utilization: 100%

**May 1, 2014**

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

**STATEWIDE**

Project:	50103.1.FS1 Statewide Aesthetics Policy Manual
Scope of Work:	Preparation of Aesthetics Policy Manual to guide policies and principles for use in designing and utilization of aesthetic features along transportation facilities
Firm:	URS Corporation – North Carolina, Morrisville, NC
Maximum Engineering Fee:	\$248,735.85
SPSF Utilization:	0%

**Structures Management**

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 5**

Project:	34745.1.1 (U-0071) Durham County Durham East End Connector from north of NC 98 to NC 147 (Buck Dean Freeway)
Scope of Work:	Structure Design for the dual bridges on DFWB and DFEB over Ellis Road and bridge on DFWB over CSX Railroad
Estimated Construction Cost:	\$140,700,000.00
Firm:	Mulkey, Inc., Cary, NC
Original Engineering Fee:	\$411,506.11
Supplemental Fee:	\$77,214.88
Supplemental Work:	Additional Structural Engineering Effort
DBE/MBE/SPSF Utilization:	Simpson Engineers & Associates \$21,871.88 28.3%

**Chief Engineer**

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

**May 1, 2014**

**DIVISION 9**

Description of Work: Design for Replacement of Low Impact Bridges  
Firm: Atkins North America, Inc., Raleigh, NC  
Original Engineering Fee: \$600,000.00  
Supplemental Fee: \$ 50,000.00  
DBE/WBE/SPSF Utilization: CH Engineering, PLLC \$2,500.00  
5%  
SPSF Utilization: Falcon Engineering \$2,500.00  
5%

**STATEWIDE**

Description of Work: Roadway Construction Engineering and  
Inspection and Structure Construction  
Engineering and Inspection  
Firm: Rummel, Klepper, and Kahl, Raleigh, NC  
Original Engineering Fee: \$5,000,000.00  
Previous Supplemental Fee: \$8,000,000.00  
Supplemental Fee: \$2,000,000.00  
SPSF Utilization: 0%

**Asset Management**

**Management Systems and Assessments**

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

**STATEWIDE**

Description of Work: Maintenance Condition Assessment Surveys  
Limited Services  
Firm: Volkert, Inc., Raleigh, NC  
Original Engineering Fee: \$250,000.00  
Supplemental Fee: \$375,000.00 + 1-year time extension  
SPSF Utilization: 0%

Description of Work: Maintenance Condition Assessment Surveys  
Limited Services  
Firm: Wetherill Engineering, Inc., Raleigh, NC  
Original Engineering Fee: \$500,000.00  
Supplemental Fee: \$820,000.00 + 1-year time extension  
DBE/WBE/SPSF Utilization: 100%

Description of Work: Maintenance Condition Assessment Surveys  
Limited Services  
Firm: Sepi Engineering and Construction, Inc.,  
Raleigh, NC  
Original Engineering Fee: \$150,000.00  
Supplemental Fee: \$240,000.00 + 1-year time extension  
DBE/WBE/SPSF Utilization: 100%

**May 1, 2014**

**NCDOT May 2014 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.</b>	<b>Description</b>	<b>Amount</b>
Beaufort Div. 2	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 2C.007024	\$893,612.68
Beaufort Div. 2	SR 1612 Terra Ceia Road	Resurfacing. Increase Funds. WBS 2C.007122	\$89,500.00
Greene Div. 2	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 2C.040009	\$4,100.04
Lenoir Div. 2	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 2C.054016	\$50,000.00
Pitt Div. 2	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 2C.074017	\$790,693.71
Pitt Div. 2	SR 1149 Old NC 49	Widening. Increase Funds. WBS 2C.074103	\$90,000.00
New Hanover Div. 3	SR 1385 Sampson Street	GDB&P. Increase Funds. WBS 3C.065009	\$96,212.41
New Hanover Div. 3	SR 1400 Futch Creek Road	Widening. Increase Funds. WBS 3C.065020	\$90,000.00
New Hanover Div. 3	SR 1573 Dow Road	Widening. Increase Funds. WBS 3C.065998	\$105,391.88

### NCDOT May 2014 Board of Transportation Agenda

According to G.S. 143B-350(g) the Board is requested to concur with staff recommendations and delegate authority to the Secretary to approve funds for secondary road improvement projects.

#### Secondary Road Improvement Projects (Highway and Trust Funds)

County	SR No.	Description	Amount
Onslow Div. 3	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 3C.067019	\$20,000.00
Onslow Div. 3	SR 1313 Mills Field Road	GDB&P. Increase Funds. WBS 3C.067068	\$95,000.00
Onslow Div. 3	SR 1247 Baysden Road	GDB&P. Increase Funds. WBS 3C.067073	\$125,000.00
Onslow Div. 3	SR 1500 Starling Road	GDB&P. Increase Funds. WBS 3C.067074	\$35,000.00
Onslow Div. 3	SR 1560 Hartsfield Road	GDB&P. Increase Funds. WBS 3C.067076	\$19,000.00
Onslow Div. 3	SR 1938 Quaker Bridge Road	GDB&P. Increase Funds. WBS 3C.067078	\$130,000.00
Onslow Div. 3	SR 1321 Hinestown Road	GDB&P. Increase Funds. WBS 3C.067082	\$35,000.00
Onslow Div. 3	SR 1827 Deer Road Ext.	GDB&P. Increase Funds. WBS 3C.067083	\$25,000.00
Edgecombe Div. 4	Various	System Preservation. Increase Funds. WBS 4SP.20334.01	\$113,946.83
Halifax Div. 4	Various	System Preservation. Increase Funds. WBS 4SP.20424.01	\$156,875.78
Johnston Div. 4	Various	System Preservation. Increase Funds. WBS 4SP.20514.01	\$330,483.12
Nash Div. 4	Various	System Preservation. Increase Funds. WBS 4SP.20644.01	\$179,873.23
Wilson Div. 4	Various	System Preservation. Increase Funds. WBS 4SP.20984.01	\$134,737.93

<b>NCDOT May 2014 Board of Transportation Agenda</b>			
<b>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.</b>			
<b>Secondary Road Improvement Projects (Highway and Trust Funds)</b>			
<b>County</b>	<b>SR No.</b>	<b>Description</b>	<b>Amount</b>
Durham Div. 5	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 5C.032023	\$20,000.00
Durham Div. 5	SR 1808 Bennie Ross Road.	GDB&P. Increase Funds. WBS 5C.032068	\$97,161.61
Person Div. 5	SR 1569 John Moore Road	GDB&P. Increase Funds. WBS 5C.073064	\$30,000.00
Wake Div. 5	Various	System Preservation. Increase Funds. WBS 5SP.20924.1	\$800,000.00
Davidson Div. 9	Various	System Preservation. Increase Funds. WBS 9SP.20294.4	\$1,651,196.71
Davie Div. 9	Various	System Preservation. Increase Funds. WBS 9SP.20304.4	\$50,059.24
Forsyth Div. 9	Various	System Preservation. Increase Funds. WBS 9SP.20344.4	\$522,268.61
Rowan Div. 9	Various	System Preservation. Increase Funds. WBS 9SP.20804.4	\$1,796,331.25
Stokes Div. 9	Various	System Preservation. Increase Funds. WBS 9SP.20854.4	\$1,480,087.59
Alleghany Div. 11	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 11C.003011	\$872,421.51
Alleghany Div. 11	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 11C.003013	\$150,000.00
Alleghany Div. 11	SR 1151A Cheek Road	GDB&P. Increase Funds. WBS 11C.003045	\$450,000.00

**NCDOT May 2014 Board of Transportation Agenda**

According to G.S. 143B-350(g) the Board is requested to concur with staff recommendations and delegate authority to the Secretary to approve funds for secondary road improvement projects.

**Secondary Road Improvement Projects (Highway and Trust Funds)**

County	SR No.	Description	Amount
Alleghany Div. 11	SR 1434 Clark Road	GDB&P. Increase Funds. WBS 11C.003080	\$100,000.00
Ashe Div. 11	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 11C.005035	\$100,000.00
Ashe Div. 11	SR 1527 Helton Road	GDB&P. Increase Funds. WBS 11C.005079	\$293,260.81
Ashe Div. 11	SR 1393 Mahala Road	GDB&P. Increase Funds. WBS 11C.005109	\$650,000.00
Ashe Div. 11	SR 1368 Powers Hollow Road	GDB&P. Increase Funds WBS 11C.005126	\$75,000.00
Ashe Div. 11	SR 1666 W.A. Reed Road	GDB&P. Increase Funds. WBS 11C.005128	\$325,000.00
Surry Div. 11	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 11C.086021	\$600,194.87
Surry Div. 11	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 11C.086024	\$100,000.00
Surry Div. 11	SR 2078 Sam Scott Road	GDB&P. Increase Funds. WBS 11C.086114	\$270,000.00
Watauga Div. 11	SR 1305 Odes Wilson Road	GDB&P. Increase Funds. WBS 11C.095021	\$125,000.00
Watauga Div. 11	George Triplett Road	Upgrade to Acceptable Maintenance Standard. WBS 11C.095106	\$125,000.00
Wilkes Div. 11	VFD	Countywide Construction of VFD Driveways. Increase Funds. WBS 11C.097026	\$75,000.00

**NCDOT May 2014 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.</b>	<b>Description</b>	<b>Amount</b>
Wilkes Div. 11	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 11C.097028	\$250,000.00
Wilkes Div. 11	SR 1562A Old NC 16	GDB&P. Increase Funds. WBS 11C.097133	\$250,000.00
Wilkes Div. 11	SR 2020 Settle Road	GDB&P. Increase Funds. WBS 11C.097149	\$200,000.00
Wilkes Div. 11	SR 2479 Brushy Lane Road	GDB&P. Increase Funds. WBS 11C.097150	\$200,000.00
Wilkes Div. 11	SR 1305 Hackett Town Road	GDB&P. Increase Funds. WBS 11C.097152	\$150,000.00
Wilkes Div. 11	SR 2504 Cherry Grove Church Road	GDB&P. Increase Funds. WBS 11C.097160	\$200,000.00
Wilkes Div. 11	Various	Guardrail Replacement. WBS 11C.097168	\$110,000.00
Wilkes Div. 11	SR 1924 Austin-Little Mountain Road	Strengthening and Resurfacing. WBS 11C.097169	\$1,600,000.00
Wilkes Div. 11	SR 2318 Mathis Mill Road	Strengthening and Resurfacing. WBS 11C.097170	\$1,150,000.00
Yadkin Div. 11	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 11C.099013	\$491,805.00
Yadkin Div. 11	SR 1505 Vallie Road	GDB&P. Increase Funds. WBS 11C.099075	\$150,000.00
Buncombe Div. 13	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 13C.011025	\$219,790.18

**NCDOT May 2014 Board of Transportation Agenda**

According to G.S. 143B-350(g) the Board is requested to concur with staff recommendations and delegate authority to the Secretary to approve funds for secondary road improvement projects.

**Secondary Road Improvement Projects (Highway and Trust Funds)**

County	SR No.	Description	Amount
Buncombe Div. 13	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges with Pipe, Safety Projects, Etc. Increase Funds. WBS 13C.011024	\$228,269.00
Buncombe Div. 13	SR 2144 McDaris Road	GDB&P. Increase Funds. WBS 13C.011171	\$127,300.10
Buncombe Div. 13	SR 2120 Anderson Cove Road	GDB&P. Increase Funds. WBS 13C.011179	\$184,795.10
Buncombe Div. 13	SR 2784 Spring Mountain Road	GDB&P. Increase Funds. WBS 13C.011190	\$76,505.52
Buncombe Div. 13	SR 2156 Cheek Road	GDB&P. Increase Funds. WBS 13C.011193	\$63,223.84
Buncombe Div. 13	SR 2775 Reed Circle	Paved Road Improvements. Increase Funds. WBS 13C.011202	\$19,289.05
Buncombe Div. 13	SR 2157 Loven Road	GDB&P. Increase Funds. WBS 13C.011211	\$40,416.60
Buncombe Div. 13	SR 1213 Old Troll Road	GDB&P. Increase Funds. WBS 13C.011212	\$29,851.59
Buncombe Div. 13	Various	System Preservation. Increase Funds. WBS 13SP.20114.4	\$453,975.67
Madison Div. 13	Various	Countywide Surveys, Plans and Right of Way Signatures. Increase Funds. WBS 13C.057020	\$13,124.74
Madison Div. 13	SR 1321 Lump Town Road	GDB&P. Increase Funds. WBS 13C.057109	\$327,338.69
Madison Div. 13	SR 1194 Allen Banks Road	GDB&P. Increase Funds. WBS 13C.057112	\$2,306.10

**NCDOT May 2014 Board of Transportation Agenda**

According to G.S. 143B-350(g) the Board is requested to concur with staff recommendations and delegate authority to the Secretary to approve funds for secondary road improvement projects.

**Secondary Road Improvement Projects (Highway and Trust Funds)**

County	SR No.	Description	Amount
Madison Div. 13	SR 1123 Turnpike Road	GDB&P. Increase Funds. WBS 13C.057113	\$55,583.56
Madison Div. 13	SR 1179 Meadow Fork School Road	GDB&P. Increase Funds. WBS 13C.057122	\$31,429.03
Rutherford Div. 13	Various	System Preservation. Increase Funds. WBS 13SP.20814.4	\$241,057.65
Cherokee Div. 14	Various	System Preservation. Increase Funds. WBS 14SP.20204.1	\$20,000.00
Clay Div. 14	Various	System Preservation. Increase Funds. WBS 14SP.20224.1	\$49,038.00
Graham Div. 14	Various	System Preservation. Increase Funds. WBS 14SP.20384.1	\$100,556.00
Macon Div. 14	Various	System Preservation. Increase Funds. WBS 14SP.20564.1	\$150,000.00

**Closings**

Division	County	WBS Element	Road Number / Name	Amount
Div. 2	Pitt	2C.074018	Countywide Surveys and Right of Way Signatures. Increase and Close.	\$56,083.93
Div. 5	Durham	5C.032074	Paved Road Improvements. Increase and Close.	\$22,885.35
Div. 5	Person	5C.073062	GDB&P SR 1114, Etzoid Painter Road. Increase and Close.	\$33,033.64
Div. 11	Wilkes	11C.097132	GDB&P SR 1360, Lump Road. Increase and Close.	\$240,384.46

**NCDOT April 2014 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. 14	Clay	14C.022054	Pavement Strengthening SR 1100, Old US 64 West. Increase and Close.	\$197,969.56

**Deletions**

County	SR No.	Reason	Amount
Pitt Div. 2	SR 1952 Salem Ridge Drive	GDB&P. Project Partially Funded. Insufficient Funds to Complete. WBS 2C.074097	-\$75,000.00
Brunswick Div. 3	Various	Countywide Surveys, Plans and Right of Way Signatures. Funded By Another Source. WBS 3C.010095	-\$29,946.71
New Hanover Div. 3	SR 1327 Farley Road	Widening. Funded By Another Source. WBS 3C.065021	-\$51,568.28
New Hanover Div. 3	SR 1492 Myrtle Grove Road	Pipe Replacement. Project Partially Funded. Insufficient Funds to Complete. WBS 3C.065022	-\$39,946.71
New Hanover Div. 3	SR 1518 Whipporwill Lane	Pipe Replacement. Funded By Another Source. WBS 3C.065023	-\$25,206.15
New Hanover Div. 3	SR 1338 Eggret Avenue	Pipe Replacement. Funded By Another Source. WBS 3C.065024	-\$8,756.52
New Hanover Div. 3	SR 1718 Country Place Road	Pipe Replacement. Funded By Another Source. WBS 3C.065027	-\$30,659.38
Onslow Div. 3	SR 1540 Bishop Road	GDB&P. Unavailable Right of Way. WBS 3C.067075	-\$171,000.00

**NCDOT April 2014 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)**
**Deletions**

County	SR No.	Reason	Amount
Onslow Div. 3	SR 1552 FFA Camp Road	GDB&P. Unavailable Right of Way. WBS 3C.067077	-\$68,000.00
Onslow Div. 3	SR 1274 Harther Drive	Upgrade to Minimum Standards. Project Partially Funded. Insufficient Funds to Complete. WBS 3C.067086	-\$25,000.00
Sampson Div. 3	SR 1858 Clinton Subs Road	GDB&P. Project Partially Funded. Insufficient Funds to Complete. WBS 3C.082063	-\$5,000.00
Granville Div. 5	SR 1404 Lonnie Harris Road	GDB&P. Unavailable Right of Way. WBS 5C.039051	-\$1,002,500.00
Granville Div. 5	SR 1605 Roy Noblin Road	GDB&P. Unavailable Right of Way. WBS 5C.039052	-\$450,000.00q
Wake Div. 5	SR 1378 Old Sorrell Road	GDB&P. Unavailable Right of Way. WBS 5C.092120	-\$258,145.64
Rowan Div. 9	SR 2748 Cold Water Creek Road	GDB&P. Project Partially Funded. Insufficient Funds to Complete. WBS 9C.080105	-\$53,693.10
Avery Div. 11	SR 1103 Bent Road	GDB&P. Project Partially Funded. Insufficient Funds to Complete. WBS 11C.006052	-\$155,484.24
Avery Div. 11	SR 1310B Dark Ridge Road	GDB&P. Project Partially Funded. Insufficient Funds to Complete. WBS 11C.006058	-\$9,627.26

**Corrections:**

Div. 5 – Vance County, SR 1549 was listed as WBS 5C.09035. The correct WBS should be 5C.091035.

Div. 6 – Robeson County, WBS 6SP.20784.1 was listed for an increase of \$1,480,000.00. The correct amount should be \$1,000,000.00.

**Corrections:**

Div. 11 – Ashe County, WBS 11C.005151 and 11C.005152 should not have been listed on the April BOT Agenda.

Div. 13 – Burke County, WBS 13C.012152 was listed as an increase of \$25,100.00. The correct amount should be \$25,000.00.

Div. 14 – Graham County – WBS 14C.038027 was listed as an increase of \$3,064.64. The correct amount should be \$105,266.46.

## Secondary Road Construction Programs

Listed below for approval are counties for which Secondary Road Construction Programs, have been presented to County Commissioners:

	<b>Total Amount Programmed</b>
<b><u>Division 5</u></b>	
Durham County (FY 2013/2014)	\$140,952.51
Person County (FY 2013/2014)	\$346,112.32
<b>Total</b>	<b>\$487,064.83</b>

**North Carolina Department of Transportation**  
**Secondary Roads Program**  
**Durham County**  
 FY 2013-2014

**Secondary Road Fund Balances:**

Funding Source	Funding Amount
Highway Fund: GS 136-44.6 FY 2013-2014:	\$139,435.82
Carry Forward from FY 2012-2013:	\$1,516.69
<b>Highway Fund Total:</b>	<b>\$140,952.51</b>

**Secondary Road Fund Allocations:**

Project	Total	Funding Amount
State Forest Road Bridge:	\$578,047	\$20,076.19
Paved Road Improvements: *	\$365,201	\$120,876.32
<b>Highway Fund Total:</b>		<b>\$140,952.51</b>

**Status of Previously Funded Active Projects:**

Project	Status
SR 1967 (Smallwood Road)	Obtaining Right of Way
SR 1808 (Benny Ross Road)	Under Construction – Pave 2014

**NOTES:**

\*Includes patching, widening and other improvements to various Secondary Roads.

\*Balances from completed projects will be used on Paved Road Improvements.

**North Carolina Department of Transportation**  
**Secondary Roads Program**  
**Person County**  
FY 2013-2014

**Secondary Road Fund Balances:**

<b>Funding Source</b>	<b>Funding Amount</b>
Highway Fund: GS 136-44.6 FY 2013-2014:	\$133,034.49
Carry Forward from FY 2012-2013:	\$213,077.83
<b>Highway Fund Total:</b>	<b>\$346,112.32</b>

**Secondary Road Fund Allocations:**

<b>Project</b>	<b>Funding Amount</b>
Countywide Surveys, Plans & Right of Way:	\$42,000.00
Paved Road Improvements: *	\$304,112.32
<b>Highway Fund Total:</b>	<b>\$346,112.32</b>

**Status of Previously Funded Active Projects:**

<b>Project</b>	<b>Status</b>
SR 1558 (Chandler Road)	Complete
SR 1758 (Roy Rogers Road)	Complete
SR 1183 (Hall Road)	Complete
SR 1114 (Etzold Painter Road)	Complete
SR 1126 (Charlie Cash Road)	Under Construction - Pave 2014
SR 1199 (Vance Wrenn Road)	Under Construction - Pave 2014
SR 1569 (John Moore Road Road)	Build in 2014
SR 1437 (Quail Roost Road)	Build in 2014
SR 1566 (McFarland Road)	Unavailable Right of Way - Close

**NOTES:**

\*Includes patching, widening and other improvements to various Secondary Roads.

\*Balances from completed/closed projects will be used on Paved Road Improvements.

## NCDOT May 2014 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 2</b>				
Beaufort	50490	0.63	Page Road	11/19/13
Carteret	50491		<b>Park Meadows Subdivision</b>	1/17/14
		0.10	Lakewood Court	
		0.56	Park Meadows Drive	
Lenoir	50492		<b>Whitfield Acres Subdivision</b>	12/16/13
		0.17	Whitfield Ridge Drive	
		0.15	Susan Gray Court	
		0.06	Duck Pond Court	
		0.06	King William Court	
<b>Division 5</b>				
Durham	50493	0.65	International Drive	3/18/14
Wake	50494		<b>Bloomfield Subdivision</b>	2/21/14
		0.50	Leando Drive	
<b>Division 7</b>				
Guilford	50483		<b>Longmorn Village Subdivision</b>	1/2/14
		0.55	Cragganmore Drive	
Guilford	50495		<b>Owls Roost Subdivision</b>	1/20/14
		0.35	Steepleton Colony Court	
Guilford	50496		<b>Sedgefield Seven Subdivision</b>	2/28/14
		0.69	Waldenbrook Road	
		0.12	Waldenbrook Court	
		0.10	Hidden Oak Drive	
		0.12	Catawba Drive	
		0.10	Iredell Drive	
Guilford	50497		<b>Waterbury Subdivision</b>	3/25/14
		0.15	Whisper Creek Drive	
Orange	50498		<b>Wyndfall Subdivision</b>	1/1/14
		0.27	Old Forest Drive, SR 2269 Ext.	
		0.15	Wyndfall Lane	
		0.05	Amberwynd Court	
		0.10	Wyndmere Court	
<b>Division 8</b>				
Montgomery	50499	0.28	Odessa Drive, SR 1618 Ext.	2/18/14

May 1, 2014

## NCDOT May 2014 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 8</b> Randolph	50500	0.07 0.29	<b>Laurelwood Estates Subdivision</b> Viewmont Court Viewmont Drive	3/17/14
<b>Division 10</b> Cabarrus	50501	0.38 0.36 0.35 0.06 0.21 0.05	<b>Porters Landing Subdivision</b> Baystone Place Piper Court McCamie Hill Place Weatherstone Place Rolling Hills Court Weston Point Place	11/20/13
Union	50502	0.46 0.31 0.08 0.14	<b>Shannon Vista Subdivision</b> Verrazano Drive Hoosac Drive Parthum Court Verducci Lane	2/20/14
<b>Division 11</b> Watauga	50503	0.74	George Triplett Road	3/20/14

### Road Abandonments:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 8</b> Montgomery	50504	0.17	Portion of SR 1355 Williamson Road	6/5/13
<b>Division 13</b> Burke	50505	0.08	SR 2205 Iron Lane	2/21/12

### Corrections:

Division 6 – Harnett County, SR 2245 Ext., was added for a length of 0.18 miles. The correct mileage should be 0.22.

**May 1, 2014**

**NCDOT MAY 2014 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 Dare	Town of Nags Head – WBS 43832 was established (03/13) for the extension of Red Drum Outfall #3 on NC-12 MP 10.45 Increase funds	Small Construction <hr/> TOTAL	\$100,000.00 <hr/> \$100,000.00
Div 1 Dare	Town of Duck – Storm water improvements consisting of Installation of 24" HDPE drainage pipe, ditch grading, one junction structure, and associated erosion control extending from NC-12 to the Currituck Sound Other funding: \$8,400 (SPOA) WBS 44134	Small Construction <hr/> TOTAL	\$5,600.00 <hr/> \$5,600.00
Div 1 Pasquotank	Installations of crutch bents on Pasquotank bridge # 87 of SR 1126 (Toxey Rd)  WBS 44176	Small Construction <hr/> TOTAL	\$90,000.00 <hr/> \$90,000.00
Div 2 Beaufort	City of Washington – Replacement of railroad crossing on NC-32 with a concrete panel  WBS 48114	Small Construction <hr/> TOTAL	\$103,300.00 <hr/> \$103,300.00
Div 2 Beaufort	City of Washington – Intersection improvements including signal modifications, revised signal plans, and revised pavement markings to create a dedicated lane for right turns, thru movements, and left turns at the intersection of 15th St and Market St WBS 48116	Small Construction <hr/> TOTAL	\$10,000.00 <hr/> \$10,000.00
Div 2 Carteret	Town of Cape Carteret – Construct monolithic island within the painted island and revise the signal to provide pedestrian heads and crosswalk to cross the east leg of NC-24 at Anita Forte WBS 48105	Small Construction <hr/> TOTAL	\$25,000.00 <hr/> \$25,000.00

**NCDOT MAY 2014 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 2 Carteret	Town of Morehead City – Traffic control and paving associated with the replacement of the NCCR crossing on US-70 east of Fourth St WBS 48115	Small Construction <hr/> TOTAL	\$19,750.00 <hr/> \$19,750.00
Div 2 Craven	City of New Bern – Acquisition and installation of 2 non-intrusive road weather information systems to installed on the Neuse River Bridge and Trent River Bridge WBS 48117	Small Construction <hr/> TOTAL	\$120,000.00 <hr/> \$120,000.00
Div 2 Greene	Town of Snow Hill – WBS 48104 was established (03/13) for modification and improvements at the intersection of SR 1330 (Middle School Rd) and NC-91 Increase & close	Small Construction <hr/> TOTAL	\$7,295.55 <hr/> \$7,295.55
Div 2 Lenoir	City of Kinston – Installation of metal mast arm signal poles at the intersection of US-70 and SR 1357 (Meadowbrook Dr) and upgrade all pavement striping and markings on US-70 from the US-258 intersection to the NC-58 intersection near Lenoir Community College WBS 48107	Contingency <hr/> TOTAL	\$130,000.00 <hr/> \$130,000.00
Div 6 Robeson	WBS 42125 was established (06/08) to construct turn lanes on NC-71 at Mountaire Farms Increase funds	Public Access <hr/> TOTAL	\$125,000.00 <hr/> \$125,000.00
Div 7 Alamance	City of Mebane – Installation of the City's Phase 2 utility infrastructure project that will serve the new Distribution Center off of SR 1981 (Trollingwood Rd/Hawfields Rd) Other funding: City WBS 44172	Contingency <hr/> TOTAL	\$160,000.00 <hr/> \$160,000.00
Div 9 Davidson	Town of Midway – Installation of interchange lighting on US-52 at Hickory Tree Rd  WBS 75022	Contingency <hr/> TOTAL	\$300,000.00 <hr/> \$300,000.00

**NCDOT MAY 2014 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 9 Forsyth	City of Winston-Salem – Extend right turn lane on US-421 SB off-ramp to SR 1122 (Jonestown Rd) WBS 44171	Small Construction <hr/> TOTAL	\$67,000.00 <hr/> \$67,000.00
Div 10 Cabarrus	Town of Harrisburg – Construct extension of Raging Ridge Road from end of pavement to SR 1161 (Stallings Rd) - length approximately 0.3 miles Other funding: \$825,000 (County); \$250,000 (Resurfacing) WBS 43370	Contingency <hr/> TOTAL	\$125,000.00 <hr/> \$125,000.00
Div 11 Wilkes	Town of Wilkesboro – Extension of Courthouse Dr from Call Street (NS) to Davidson St (NS) to provide access to Wilkes Community College's new Health Science Complex in the Bushy Mountain Business Park Other funding: \$290,000 (County) WBS 44128	Small Construction  Contingency <hr/> TOTAL	\$50,000.00  \$250,000.00 <hr/> \$300,000.00
Multi-Division Wake Guilford Mecklenburg	Installation of aesthetic and artistic landscaping & signing at the exits of the following airports - RDU, PTI, and CLT Other funding: \$25,700 (USGA); \$5,750 each (RDU, PTI, & CLT); \$2,000 (NC Nursery & Landscape Assoc.) WBS 44175	Contingency <hr/> TOTAL	\$20,000.00 <hr/> \$20,000.00

<b>Summary:</b>	<b>Number of Projects</b>	<b>17</b>
	<b>Number of Divisions</b>	<b>8</b>
	<b>Small Construction Commitment</b>	<b>\$597,945.55</b>
	<b>Public Access Commitment</b>	<b>\$125,000.00</b>
	<b>Contingency Commitment</b>	<b>\$985,000.00</b>
	<b>Economic Development</b>	<b>\$0.00</b>
	<b>TOTAL</b>	<b>\$1,707,945.55</b>

**NCDOT May 2014 Board of Transportation Agenda**  
**Public Transportation Program**

Town/County Division	Project Description	Estimated Cost	
<b>Section 5311 Amendment</b>			
Div. 1	<b>14-CT-028 Martin County</b> (operating as Martin County Transit) uses administrative funds to provide community transportation services to human service agencies and to the general public. Period of Performance for this program is October 1, 2012 to June 30, 2014.	\$9,464 \$7,571 \$473 \$1,420	Total Federal State Local
<b>Section 5311 - ARRA Vehicles</b>			
Div. 4	<b>15-AR-039 Community and Senior Services of Johnston County, Inc.</b> (operating as Johnston County Area Transit System - JCATS) provides community transportation services to human service agencies and to the general public. The one (1) lift van originally funded under FY15 - 5311 grant will now be funded under reprogrammed ARRA funds.	\$48,400 \$38,720 \$4,840 \$4,840	Total Federal State Local
Div. 6	<b>15-AR-058 - Aging, Disability and Transit Services of Rockingham County (operating as Rockingham Community Access Transit Services - RCATS)</b> provides community transportation services to human service agencies and to the general public. One (1) lift van originally funded under FY15 - 5311 grant will now be funded under reprogrammed ARRA funds.	\$48,400 \$38,720 \$4,840 \$4,840	Total Federal State Local
Div. 8	<b>15-AR-061 - Lee County (operating as County of Lee Transit System - COLTS)</b> provides community transportation services to human service agencies and to the general public. One (1) lift van originally funded under FY15 - 5311 grant will now be funded under reprogrammed ARRA funds.	\$48,400 \$38,720 \$4,840 \$4,840	Total Federal State Local
Div. 11	<b>15-AR-086 - Alleghany County (operating as Alleghany in Motion)</b> provides community transportation services to human service agencies and to the general public. One (1) lift van originally funded under FY15 - 5311 grant will now be funded under reprogrammed ARRA funds.	\$48,400 \$38,720 \$4,840 \$4,840	Total Federal State Local

Div. 11	<b>15-AR-006 - Wilkes Transportation Authority</b> provides community transportation services to human service agencies and to the general public. One (1) lift van originally funded under FY15 - 5311 grant will now be funded under reprogrammed ARRA funds.	\$48,400 \$38,720 \$4,840 \$4,840	Total Federal State Local
Div. 14	<b>15-AR-027 - Macon County (operating as Macon Area Transit Services)</b> provides community transportation services to human service agencies and to the general public. One (1) lift van originally funded under FY15 - 5311 grant will now be funded under reprogrammed ARRA funds.	\$48,400 \$38,720 \$4,840 \$4,840	Total Federal State Local
<b>Section 5307 and 5309 Bus and Bus Facilities Program</b>			
Div.3	<b>14-90-525 - Cape Fear Transportation Authority</b> request for State Match for construction of a maintenance and operations center	\$4,692,618 \$3,754,094 \$469,261 \$469,263	Total Federal State Local
Div. 5	<b>14-95-043 - Capital Area Transit</b> request for State funds for construction of an Operations and Maintenance Facility	\$500,000 \$400,000 \$50,000 \$50,000	Total Federal State Local
Div. 5 & 7	<b>14-90-524 - Triangle Transit</b> request for State Match for a planning grant	\$1,702,000 \$1,361,600 \$170,200 \$170,200	Total Federal State Local
Div. 6	<b>14-04-055- Fayetteville Area System of Transit</b> request for state match for construction of a multimodal center	\$10,018,750 0 \$8,015,000 \$1,001,875 \$1,001,875	Total Federal State Local
Div. 7, 9 & 11	<b>14-95-064 - Piedmont Authority for Regional Transportation Authority</b> request for state match for 14 van expansion purchases	\$843,750 \$675,000 \$84,375 \$84,375	Total Federal State Local
Div. 9	<b>14-95-057 - Winston Salem Transit Authority</b> request for state match to replace four buses	\$2,444,444 \$2,199,999 \$122,222 \$122,223	Total Federal State Local
Div. 9	<b>14-04-0041 - Winston Salem Transit Authority</b> request for state match to replace a bus	\$709,743 \$638,768 \$35,487 \$35,488	Total Federal State Local

Div. 9	<b>14-04-0041 - Winston Salem Transit Authority</b> request for state match to replace a bus	\$120,000 \$102,000 \$8,400 \$9,600	Total Federal State Local
Div. 10	<b>14-90-511 - Concord Rider</b> request for state match to replace eight buses	\$4,998,000 \$4,148,340 \$140,000 \$709,660	Total Federal State Local
Div. 10	<b>14-04-0068 - City of Charlotte</b> request for state match to replace eight buses	\$4,832,648 \$3,866,118 \$483,264 \$483,266	Total Federal State Local
Div. 12	<b>14-90-447 - Western Piedmont Regional Transit Authority</b> request for state match to replace four buses	\$212,000 \$169,600 \$21,200 \$21,200	Total Federal State Local
<b>2015 Internship and Apprenticeship Program</b>			
Div. 3	<b>15-DG-052</b> Apprenticeship & Intern Program, FY 2015 Cape Fear Public Transportation DBA WAVE	\$32,219 \$0 \$28,997 \$3,222	Total Federal State Local
Div. 5	<b>15-DG-046</b> Apprenticeship & Intern Program, FY 2015 City of Durham	\$32,432 \$0 \$29,188 \$3,244	Total Federal State Local
Div. 5,7	<b>15-DG-026</b> Apprenticeship & Intern Program, FY 2015 Research Triangle Regional Public Transportation Authority	\$32,432 \$0 \$29,188 \$3,244	Total Federal State Local
Div. 6	<b>15-DG-012</b> Apprenticeship & Intern Program, FY 2015 City of Fayetteville	\$32,432 \$0 \$29,188 \$3,244	Total Federal State Local
Div. 7	<b>15-DG-018</b> Apprenticeship & Intern Program, FY 2015 City of Greensboro	\$32,432 \$0 \$29,188 \$3,244	Total Federal State Local
Div. 7	<b>15-DG-021</b> Apprenticeship & Intern Program, FY 2015 Town of Chapel Hill	\$17,554 \$0 \$15,798 \$1,756	Total Federal State Local

Div. 10	<b>15-DG-024</b> Apprenticeship & Intern Program, FY 2015 City of Charlotte	\$32,432 \$0 \$29,188 \$3,244	Total Federal State Local
Div. 10	<b>15-DG-024A</b> Apprenticeship & Intern Program, FY 2015 City of Charlotte	\$32,432 \$0 \$29,188 \$3,244	Total Federal State Local
Div. 10	<b>15-DG-024B</b> Apprenticeship & Intern Program, FY 2015 City of Charlotte	\$32,432 \$0 \$29,188 \$3,244	Total Federal State Local
Div. 13	<b>15-DG-071</b> Apprenticeship & Intern Program, FY 2015 City of Asheville	\$32,423 \$0 \$29,180 \$3,243	Total Federal State Local

**ITEM I-1 SUMMARY – 28 PROJECTS – TOTAL FEDERAL/STATE/LOCAL \$ 31,683,037**

**ADDITIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TD-5269	Capital Area Transit	Facility – Transit Center. Union Station Bus Component	STPDA	STPDA		1,215	1,200				
			Local	L		304	300				
			FUZ	5307			1,200	1,200	1,200	1,200	
			Local	L			300	300	300	300	
TA-5140	Capital Area Transit	Bus Replacement	FUZ	5307		1,080	1,080	1,080	1,080	1,080	
			Local	L		270	270	270	270	270	
TM-5308	Greensboro Transit Authority	Transit Enhancements	FUZ	5307		48	48	48	48	48	
			Local	L		12	12	12	12	12	

**MODIFICATIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TA-4923	Durham Area Transit Authority	9 Replacement Buses	STPDA	STPDA		3,218					
			Local	L		805					
TA-5019A	Durham Area Transit Authority	7 Replacement Vans	STPDA	STPDA		266					
			Local	L		67					
TG-4759	Greensboro Transit Authority	Preventive Maintenance	FUZ	5307	3,000	2,801	2,801	2,801	2,801	2,801	
			Local	L	750	700	700	700	700	700	
			STPDA	STPDA		1,400					
			Local	L		350					
TG-4957	Greensboro Transit Authority	Operating – ADA Para-transit	FUZ	5307	493	475	475	475	475	475	
			Local	L	123	119	119	119	119	119	
TG-5105	Greensboro Transit Authority	Routine Capital	FUZ	5307	49	52	52	52	52	52	
			Local	L	12	13	13	13	13	13	
TS-4758	Greensboro Transit Authority	Safety and Security	FUZ	5307	49	48	48	48	48	48	
			Local	L	12	12	12	12	12	12	

TO-4971	Greensboro Transit Authority	Operating – Fixed Route	FUZ	5307	1,335	1,328	1,328	1,328	1,328	1,328	1,328
			Local	L	1,335	1,328	1,328	1,328	1,328	1,328	1,328
			State	SMAP	1,815	1,628	1,628	1,628	1,628	1,628	1,628
			Local	L	1,815	1,628	1,628	1,628	1,628	1,628	1,628
TA-4771	Greensboro Transit Authority	Hybrid Replacement Buses	FBUS	5339	554	535					
			State	S	52	54					
			Local	L	58	60					
			CMAQ	CMAQ	1,052	2,090	1,618	2,544	567		
			State	S		209	162	254	57		
			L	L	263	235	182	286	64		
TA-4767	Greensboro Transit Authority	Hybrid Replacement Buses	FBUS	5339		535	535	535	535		
			State	S		54	54	54	54		
			Local	L		60	60	60	60		
			CMAQ	CMAQ	350		140				
			State	S	44		18				
			Local	L	44		18				
TO-6139	Greensboro Transit Authority	Section 5310 Operating	FEPD	5310	215	205	205	205	205		
			Local	L	215	205	205	205	205		
TQ-7000	Greensboro Transit Authority	Section 5310 Program Administration	FEPD	5310	23	23	23	23	23		
TO-4733	Western Piedmont Regional Transportation Authority	Operating Assistance	FUZ	5307		1,186	1,186	1,186	1,186	1,186	
			State	SMAP		204	204	204	204	204	
			Local	L		982	982	982	982	982	
TI-6103	Horizon Coach Trails (Evergreen Trails)	Intercity Bus Service-Boone to Greensboro	FNU	5311		431	529	360	360	360	360
			State	State		431	529	359	359	359	359
			Local	Fares		64	258	161	161	161	161
TI-6101	Horizon Coach Trails (Evergreen Trails)	Intercity Bus Service – Boone to Charlotte	FNU	5311		309	362	246	246	246	246
			State	State		309	362	244	244	244	244
			Local	Fares		106	223	106	106	106	106
TI-6102	Greyhound Lines, Inc.	Intercity Bus Service – Charlotte to Wilmington	FNU	5311		297	840	265	265	265	265
			Local	L		297	840	265	265	265	265
			Local	Fares		47	445	116	116	116	116

TI-6104	Greyhound Lines, Inc.	Intercity Bus Service from Raleigh to Norfolk, VA via Elizabeth City along US 64, US 301., US 264, and US 17 with stops at Raleigh, Rocky Mount, Wilson, Greenville, Washington, Williamston, Edenton, and Elizabeth City	FNU	5311		849	464				
			Local	L		155	464				
			Local	Fares		694	1043				
TI-6105	Greyhound Lines, Inc.	Intercity Bus Service from Raleigh to Norfolk along US 64 and US 258 with stops at Raleigh, Rocky Mount, Ahoskie, and Suffolk	FNU	5311		59	329				
			Local	L		59	329				
			Local	Fares			508				
TI-6106	Greyhound Lines, Inc.	Intercity Bus Service from Raleigh to Wilmington along US 70, I-40, and US 117 with stops at Raleigh, Smithfield, Goldsboro, Wallace, and Wilmington	FNU	5311		151	328				
			Local	L		151	328				
			Local	Fares			516				
TI-6107	Greyhound Lines, Inc.	Intercity Bus Service from Raleigh to Jacksonville along US 70 and US 17 with stops at Raleigh, Smithfield, Goldsboro, Kinston, and New Bern	FNU	5311		144	389				
			Local	L		144	389				
			Local	Fares			556				
TI-6108	Greyhound Lines, Inc.	Intercity Bus Service from Raleigh to Jacksonville via Wilmington along US 70, I-40, US 117, and US 17 and from Jacksonville to Myrtle Beach via Wilmington along US 17	FNU	5311		387	695				
			Local	L		387	695				
			Local	Fares			1143				
TK-4900Z	Statewide	State administration of 5311 Funds	FNU	5311	2,073	1,238	2,000				
TP-4002	Statewide	Statewide support to update local community transportation service plans	FNU	5311	1338	830	645				
			State	S	167	104	81				
			Local	L	167	104	81				
TS-4900Z	Statewide	Statewide training and support services RTAP (rural, small urban and para transit)	FNU	5311	288	100	291				

TA-6226	Wilson County operating as Wilson County Transportation	Capital	FNU	5311	70	73	166				
					9	9	21				
					9	9	21				

**DELETIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TT-5109	Chapel Hill Transit	9 Replacement Buses	STPDA	STPDA	452						
			Local	L	113						
TG-4805C	Winston Salem Transit	Preventive Maintenance	FUZ	5307	1,800	1,800	1,800	1,800	1,800	1,800	1,800
			SMAP	SMAP	450	450	450	450	450	450	450

**ADMINISTRATIVE MODIFICATIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TG-5247	Chapel Hill Transit	Routine Capital – Resurface park and ride lots	FUZ	5307		57					
			State	S		7					
			Local	L		7					
TO-5126	Winston-Salem Transit Authority	Operating Assistance	FUZ	5307	1,170	1,158	906	906	906	906	906
			Local	L	1,170	1,158	906	906	906	906	906
			State	SMAP	906	906	906	906	906	906	906
TA-5127	Winston Salem Transit	Replacement Buses – Large and Small	CMAQ	CMAQ		3,500					
			Local	L		618					
TG-4805	Winston-Salem Transit Authority	Routine Capital-Spare Parts, Passenger Amenities, Building Maintenance	FUZ	5307	685	630	685	685	685	685	685
			Local	L	171	157	171	171	171	171	171
			STPDA	STPDA			500				
			Local	L			125				
TG-5241	Winston-Salem Transit Authority	Preventive Maintenance	FUZ	5307	2,248	2,248	2,100	2,100	2,100	2,100	2,100
			Local	L	562	562	525	525	525	525	525
TK-6144	Martin County	Administration	FNU	5311	144	144	144				
			State	S	9	9	9				
			Local	L	27	27	27				

TA-6539	Dare County	Expansion Vehicle	JARC	5316		37					
			Local	L		9					
TA-6545	Swain County Focal Point on Aging, operating as Swain Public Transportation	Capital	FNU	5311		1920					
			State	S		240					
			L	L		240					

**ITEM I-1A SUMMARY – 37 PROJECTS – TOTAL FEDERAL/STATE/LOCAL \$ 200,717,000**

**ADDITIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TM-5309	Winston Salem MPO	FTA 5307 Winston Salem Urbanized Area set aside for Job Access Reverse Commute (JARC) Project	FUZ	5307	55	55					
			Local	L	55	55					
TD-5269	Gastonia Transit	Transit Enhancements	FUZ	5307		275					
			Local	L		69					
TM-6154	Lenior County Transit	Section 5316 Operating	JARC	5316			55				
			Local	L			55				
TQ-8006	Macon County Transit	Section 5317 Capital	FNF	5317			6800				
			Local	L			1700				
TN-6123	Macon County Transit	Section 5317 Operating	FNF	5317			20				
			Local	L			20				

**MODIFICATIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TD-4716	Greenville Transit System	Facility-Intermodal Center-Land, Planning, Design, Construction	FUZ	5307		4,185					
			State	S			523				
			Local	L		523					
TQ-6782	Winston Salem MPO	Enhanced Mobility for Seniors and Individuals with Disability – Section 5310 Urban Area Allocation – Capital Contract for Services with providers selected through a competitive process	FEDP	5310	297	337					
			Local	L	297	84					

**ITEM I-1B SUMMARY – 6 PROJECTS – TOTAL FEDERAL/STATE/LOCAL \$ 15,460,000**

**NCDOT May 2014 Board of Transportation Agenda**

**Rail Program**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Statewide	The Rail Division requests Board approval of State funds which are needed for Rail Engineering Services salaries, expenses and contractual services covering the remaining 2014 state fiscal year, ending June 30, 2014. The Division directs engineering studies, manages implementation of projects, and coordinates private engineering firms. WBS No. 37678	\$150,000.00
Statewide	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for furnishing LED light fixtures and hardware for conversion from incandescent light fixtures at approximately 280 non-gated highway-rail at-grade crossings with flashing light displays statewide. Participating railroad companies are to provide the necessary labor and engineering to convert flashing light displays from incandescent fixtures to LED fixtures at no cost to the Department. The total cost is estimated to be \$1,112,000.	\$1,112,000
Statewide	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement Funds for the installation of R1-2 "Yield" signs, retro-reflective R15-1 Crossbuck signs, and advance warning pavement markings and stop lines to meet current MUTCD requirements at approximately 430 municipal street passive railroad-highway grade crossings in various municipal jurisdictions statewide.	\$750,000
Statewide	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement funds for Program Development including Administration, Engineering and Inspection for Track Improvements and Rail Access Improvements.	\$550,000
Division 1 Bertie, Hertford and Northampton Counties	The Rail Division requests Board approval of a State project that will relay rail on the North Carolina & Virginia Railroad (NCVA) corridor to improve infrastructure health and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$2,000,000.	\$2,000,000

<p>Division 1 Bertie and Hertford Counties</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades of North Carolina &amp; Virginia Railroad (NCVA) tracks improving infrastructure health, safety, and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$250,000.</p>	<p>\$250,000</p>
<p>Division 1 Camden, Chowan, Currituck, Pasquotank and Perquimans Counties</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades to the Chesapeake &amp; Albemarle Railroad (CA) tracks to improve infrastructure health, safety, and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$300,000.</p>	<p>\$300,000</p>
<p>Division 1 Washington County</p>	<p>The Rail Division requests Board approval of a State project that will add a siding to the Carolina Coastal Railroad (CLNA) mainline to provide loading and unloading capacity for Quality Mats at NS 96.6 near Plymouth. The new track is needed to accommodate up to 400 carloads per year that will utilize rail access over highway. The Department shall participate in 50% of actual project costs not to exceed \$150,000.</p>	<p>\$150,000</p>
<p>Divisions 1,4,5 Washington, Johnston, Nash, Wilson and Wake Counties</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades to the Carolina Coastal Railway (CLNA) tracks improving infrastructure health, safety and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$574,026.</p>	<p>\$574,026</p>
<p>Division 2 Craven County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the closure of Brick Kiln Road (SR 1635) (Norfolk Southern Crossing No. 466 097M, Milepost NB 15.89) near Vanceboro, including the construction of a roadway turnout and hammerhead turnaround. TIP No. Y-4802E</p>	<p>\$25,000</p>
<p>Division 2 Pitt County</p>	<p>The Rail Division requests Board approval of a State project that will add a siding to the Carolina Coastal Railroad (CLNA) mainline to provide loading and unloading capacity for Tennessee Valley Resources at NS 148.1 near Greenville. The new track is needed to accommodate up to 400 carloads per year that will utilize rail access rather than highways. The Department shall participate in 50% of actual project costs not to exceed \$100,000.</p>	<p>\$100,000</p>

<p>Division 2 Pitt County</p>	<p>The Rail Division requests Board approval of a State project that will add a siding to the Carolina Coastal Railroad (CLNA) mainline to provide loading and unloading capacity for Ham Produce at NS 160.7 near Farmville. The new track is needed to accommodate up to 250 carloads per year that will utilize rail access rather than highways. The Department shall participate in 50% of actual project costs not to exceed \$175,000.</p>	<p>\$175,000</p>
<p>Division 3 Onslow County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of constructing additional Norfolk Southern industrial track to serve Hanson at Camp Lejeune in Jacksonville. The track capacity expansion is needed to accommodate 3000 carloads of rail freight per year that will utilize rail access rather than highways. The Department will provide up to \$250,000 at 50% of cost.</p>	<p>\$250,000</p>
<p>Division 3 New Hanover County</p>	<p>The Rail Division requests Board approval of a State project that will add a new interchange track, and rehabilitate existing track to improve capacity, operating efficiency, and safety of the Port of Wilmington on the Wilmington Terminal Railroad (WTRY). The Department shall participate in 50% of actual project costs not to exceed \$833,000.</p>	<p>\$833,000</p>
<p>Division 3 New Hanover County</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades to the Wilmington Terminal Railroad (WTRY) tracks improving infrastructure health, safety and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$60,000.</p>	<p>\$60,000</p>
<p>Division 3 Sampson County</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades of the Clinton Terminal Railroad (CTR) tracks to improve infrastructure health, safety and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$189,741.</p>	<p>\$189,741</p>
<p>Division 4 Johnston County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of rehabilitating an existing North Carolina Railroad/Norfolk Southern siding to serve Agrium in Princeton. The industrial siding rehabilitation is needed to accommodate 600-700 carloads of rail freight per year that will utilize rail access rather than highways. The Department will provide up to \$175,000 at 50% of cost.</p>	<p>\$175,000</p>

<p>Division 4 Johnston County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of expanding existing Norfolk Southern industrial track to serve Transmontaigne in Selma. The track expansion is needed to accommodate 65-car unit trains of ethanol. The Department will provide up to \$250,000 at 50% of cost.</p>	<p>\$250,000</p>
<p>Division 4 Nash County</p>	<p>The Rail Division requests Board approval of a State project that will add a siding to the Carolina Coastal Railroad (CLNA) mainline to provide loading and unloading capacity for Braswell Milling at ABA 130.2 in Nashville. The new track is needed to accommodate up to 200 carloads per year that will utilize rail access rather than highways. The Department shall participate in 50% of actual project costs not to exceed \$150,000.</p>	<p>\$150,000</p>
<p>Division 5 Durham County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of relocating a mainline turnout or rehabilitating Norfolk Southern industrial track to serve Lehigh Cement in Durham. The track capacity expansion is needed to accommodate 900 carloads of rail freight per year that will utilize rail access rather than highways. The Department will provide up to \$200,000 at 50% of cost.</p>	<p>\$200,000</p>
<p>Division 5 Wake County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the closure of the at-grade crossing on Barefoot Road (SR 1173) (Norfolk Southern Crossing No. 465 920M, Milepost NS 255.18) near Fuquay-Varina, including the construction hammerhead turnaround on both sides of the crossing. TIP No. Y-4805M</p>	<p>\$40,000</p>
<p>Division 5 Wake County</p>	<p>The Board previously approved \$9,000,000 State funds (June 2013) for Raleigh Union Station and Track Improvements. The funds have been administered from the Rail Division's budget and will continue through Fiscal Year 2015. As a result of House Bill 817, Strategic Transportation Investments, in Fiscal Years 2016 and 2017, funds of \$4,000,000 per year will be provided through Division 5 TIP funds. The \$9,000,000 of State funds will serve as matching funds for a USDOT TIGER grant to the City of Raleigh.</p>	<p>State \$9,000,000  Federal \$26,500,000</p>
<p>Division 6 Cumberland County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the closure of the at-grade crossing on Rankin Street (CSX Transportation Crossing No. 629 884B, Milepost A 209.86) in Fayetteville, including the construction of roadway improvements to Winslow Street from Kyle Street to Hay Street. TIP No. Y-4806A</p>	<p>\$1,275,000</p>

<p>Division 7 Alamance County</p>	<p>The Rail Division requests Board approval of State Freight Rail &amp; Rail Crossing Safety Improvement funds for part of the cost of constructing on Norfolk Southern track a rail industrial access spur to serve 'Project C' at the North Carolina Industrial Center in Mebane. In a proposed business expansion, the company plans to make a capital investment of about \$33 million. The company requires rail access to ship at least 24 carloads of rail freight per year that will utilize rail access rather than highways and create at least 100 jobs. Funding is contingent upon all Rail Industrial Access Program requirements being satisfied.</p>	<p>\$200,000</p>
<p>Division 7 Guilford County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the closure of the at-grade crossing on Pine Street (Norfolk Southern and North Carolina Railroad Company Crossing No. 722 957L, Milepost H 2.51) in Greensboro, including the construction of roadway improvements to Lowdermilk Street (Crossing No. 722 958T, Milepost H 2.68) between Cameron Avenue and Market Street. TIP No. Y-4807B</p>	<p>\$1,100,000</p>
<p>Division 7 Guilford County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of expanding existing Norfolk Southern industrial track to serve Transmontaigne in Greensboro. The track expansion is needed to accommodate 65-car unit trains of ethanol. The Department will provide up to \$250,000 at 50% of cost.</p>	<p>\$250,000</p>
<p>Division 7 Guilford County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of constructing two additional Norfolk Southern industrial tracks to serve Hammaker Emulsions in Greensboro. The track capacity expansion is needed to accommodate an additional 250 carloads of rail freight per year that will utilize rail access rather than highways. The Department will provide up to \$250,000 at 50% of cost.</p>	<p>\$250,000</p>
<p>Division 7 Guilford County</p>	<p>The Rail Division requests Board approval of a State project that will fund an additional track capacity on the High Point, Thomasville &amp; Denton Railroad (HPTD) for additional unit train service. The Department shall participate in 50% of actual project costs not to exceed \$250,000.</p>	<p>\$250,000</p>
<p>Division 8 Moore County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of constructing new industry track to serve ACWR Shops in Candor. The railroad is beginning a new venture to repair rail cars and will use the track for this operation. Statewide Contingency funds designated for the project were deemed ineligible for the project. The Department will provide up to \$500,000 at 50% of cost.</p>	<p>\$500,000</p>

<p>Division 8 Moore County</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades of the Aberdeen Carolina and Western Railway (ACWR) railroad to improve infrastructure health, safety and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$800,725.</p>	<p>\$800,725</p>
<p>Division 8 Lee County</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades of Atlantic &amp; Western Railway, LP (ATW) railroad tracks to improve infrastructure health, safety and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$126,140.</p>	<p>\$126,140</p>
<p>Division 8 Hoke County</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades of the Aberdeen &amp; Rockfish Railroad (AR) tracks to improve infrastructure health, safety, and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$133,485.</p>	<p>\$133,485</p>
<p>Division 8 Hoke and Scotland Counties</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades of Laurinburg &amp; Southern Railroad (LRS) tracks to improve infrastructure health, safety and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$105,203.</p>	<p>\$105,203</p>
<p>Division 9 Rowan County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the closure of the at-grade crossing on Lyerly Street (Norfolk Southern Crossing No. 724 345W, Milepost N 4.9), including the construction of roadway and crossing signal improvements to Bank Street (SR 2314) (Crossing No. 724 346D, Milepost N 4.8) in Granite Quarry. The Department will also make crossing signal improvements to Depot Street (Crossing No. 724 344P, Milepost N 4.98), E. Church Street (Crossing No. 724 347K, Milepost N 4.7) and Kerns Street (Crossing No. 724 348S, Milepost N 4.3). TIP No. Y-4809MA</p>	<p>\$1,150,000</p>
<p>Division 9 and 11 Forsyth, Stokes, Surry and Wilkes Counties</p>	<p>The Rail Division requests Board approval of a State project that will fund upgrades to the Yadkin Valley Railroad (YVRR) tracks to improve infrastructure health, safety, and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$373,100.</p>	<p>\$373,100</p>

<p>Division 10 Mecklenburg County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of constructing new industry track to serve Siemens Energy, Inc. in Charlotte. The company has expanded and the Department pledged Statewide Contingency funds that were deemed ineligible for the project. The Department will provide up to \$250,000 at 50% of cost.</p>	<p>\$250,000</p>
<p>Division 10 Mecklenburg County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the closure of the private at-grade crossing that serves John B. Stroup and Hazline H. Stroup (Norfolk Southern and North Carolina Railroad Company Crossing No. 715 338M, Milepost Main 367.00), including the construction of an alternate access driveway to Caldwell Park Drive near Charlotte. TIP No. Y-5500JA</p>	<p>\$600,000</p>
<p>Division 10 Union County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the closure of the at-grade crossing on Elizabethan Road (SR 1176) (CSX Transportation Crossing No. 638 864N, Milepost SG 309.13) near Monroe, including the construction of crossing improvements at Fletcher Broome Road (SR 1157) (Crossing No. 638 866C, Milepost SG 309.92) and a hammerhead turnaround. TIP No. Y-48010H</p>	<p>\$100,000</p>
<p>Division 11 Surry County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the crossing surface improvements on Andy Griffith Parkway (US 52) (Yadkin Valley Railroad Crossing No. 721 996Y, MP CF 1) and Rockford Street (SR 2426) (Crossing No. 721 997F, MP CF 1) in Mount Airy. This includes preliminary engineering, removing the existing crossing, preparing the tracks, installing a concrete panel tub crossing and providing railroad flagging as needed.</p>	<p>\$240,000</p>
<p>Divisions 11, 12, 13 Caldwell, Catawba and Burke Counties</p>	<p>The Rail Division requests Board approval of a state project that will fund upgrades to the Caldwell County Railroad (CWCY) tracks to improve infrastructure health, safety and operating efficiency. The Department shall participate in 50% of actual project costs not to exceed \$50,000.</p>	<p>\$50,000</p>
<p>Division 12 Cleveland County</p>	<p>The Rail Division requests Board approval of Freight Rail &amp; Rail Crossing Safety Improvement Funds for the roadway improvements of the at-grade crossing on Mountain Street (Norfolk Southern Crossing No. 716 260Y, Milepost Main 411.01) and Gold Street (Crossing No. 716 261F, Milepost Main 411.09) in Kings Mountain. TIP No. Y-5500LA</p>	<p>\$400,000</p>

<p>Division 12 Catawba County</p>	<p>The Rail Division requests Board approval of State Freight Rail and Rail Crossing Safety Improvement funds for partial cost of constructing an additional Norfolk Southern industrial track, mainline turnout relocation, and reconfiguring existing industrial track infrastructure to serve Luckey Logistics in Hickory. The track capacity expansion is needed to accommodate 300-400 incremental carloads of rail freight per year that will utilize rail access rather than highways. The Department will provide up to \$250,000 at 50% of cost.</p>	<p>\$250,000</p>
<p>Division 13 Rutherford County</p>	<p>The Rail Division requests Board approval of a State project that will fund new transload tracks on the Thermal Belt Railroad (TBRY) to improve infrastructure for additional customer demand. The Department shall participate in 50% of actual project costs not to exceed \$58,688.</p>	<p>\$58,688</p>
<p>Division 14 Cherokee, Jackson, Macon, Swain Counties</p>	<p>The Rail Division requests Board approval of a State project that will fund repairs to Great Smoky Mountains Railway (GSMR) track to improve railroad safety. The Department shall participate in 50% of actual project costs not to exceed \$249,232.</p>	<p>\$249,232</p>

**ITEM I-2 SUMMARY – 44 PROJECTS – (TOTAL FEDERAL AND STATE) \$16,995,340**

**NCDOT May 2014 Board of Transportation Agenda**  
**Division of Bicycle and Pedestrian Transportation Program**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Hookerton Greene Division 2	<b>Town of Hookerton</b> Bicycle/Pedestrian Plan Population 409 NCDOT Share 90% - \$27,000 Local 10% - \$3,000	\$30,000 \$10,125 \$16,875 \$3,000	Total Federal State Local
Leland Brunswick Division 3	<b>Town of Leland</b> Pedestrian Plan Population 14,732 NCDOT Share 70% - \$35,000 Local 30% - \$15,000	\$50,000 \$13,125 \$21,875 \$15,000	Total Federal State Local
Surf City Pender Division 3	<b>Town of Surf City</b> Bicycle/Pedestrian Plan Population 1,919 NCDOT Share 90% - \$28,800 Local 10% - \$3,200	\$32,000 \$10,800 \$18,000 \$3,200	Total Federal State Local
Youngsville Franklin Division 5	<b>Town of Youngsville</b> Bicycle/Pedestrian Plan Population 1,173 NCDOT Share 90% - \$27,000 Local 10% - \$3,000	\$30,000 \$10,125 \$16,875 \$3,000	Total Federal State Local
Elizabethtown Bladen Division 6	<b>Town of Elizabethtown</b> Bicycle Plan Population 3,611 NCDOT Share 90% - \$27,000 Local 10% - \$3,000	\$30,000 \$10,125 \$16,875 \$3,000	Total Federal State Local
Sedalia Guildford Division 7	<b>Town of Sedalia</b> Bicycle/Pedestrian Plan Population 633 NCDOT Share 90% - \$27,000 Local 10% - \$3,000	\$30,000 \$10,125 \$16,875 \$3,000	Total Federal State Local
Spencer/East Spencer Rowan Division 9	<b>Town of Spencer/East Spencer</b> Bicycle/Pedestrian Plan Population 4,801 NCDOT Share 90% - \$36,000 Local 10% - \$4,000	\$40,000 \$13,500 \$22,500 \$4,000	Total Federal State Local
Cornelius Mecklenburg Division 10	<b>Town of Cornelius</b> Pedestrian Plan Population 25,671 NCDOT Share 70% - \$31,500 Local 30% - \$13,500	\$45,000 \$11,813 \$19,687 \$13,500	Total Federal State Local
Black Mountain Buncombe Division 13	<b>Town of Black Mountain</b> Bicycle Plan Population 7,971 NCDOT Share 80% - \$32,000 Local 20% - \$8,000	\$40,000 \$12,000 \$20,000 \$8,000	Total Federal State Local

Marion McDowell Division 13	<b>City of Marion</b> Bicycle Plan Population 8,181 NCDOT Share 80% - \$32,000 Local 20% - \$8,000	\$40,000 \$12,000 \$20,000 \$8,000	Total Federal State Local
Valdese /Rutherford Coll. Burke Division 13	<b>Town of Valdese/Rutherford College</b> Pedestrian Plan Population 5,827 NCDOT Share 80% - \$28,400 Local 20% - \$7,100	\$35,500 \$10,650 \$17,750 \$7,100	Total Federal State Local
Saluda Polk Division 14	<b>Town of Saluda</b> Bicycle/Pedestrian Plan Population 715 NCDOT Share 90% - \$32,400 Local 10% - \$3,600	\$36,000 \$12,150 \$20,250 \$3,600	Total Federal State Local
Various Divisions	<b>Program Administration</b> – Accounting for Division staff managing various Planning Grant Initiative projects across the state	\$35,900 \$13,463 \$22,437	Total Federal State

**ITEM I-3 SUMMARY – 12 PROJECTS – (TOTAL FEDERAL, STATE AND LOCAL) \$474,400**

**NCDOT May 2014 Board of Transportation Agenda**

**Aviation Division Program**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Wallace, NC Pender County Division 3	The Aviation Division requests Board approval of funds for the construction cost overruns for the Apron Expansion Project, Phase 1 at Henderson Field airport in Wallace, NC. WBS 36244.11.6.1	\$60,314 \$54,283 \$6,031	Total Federal State Local

**ITEM I-4 SUMMARY – 1 PROJECTS – (TOTAL FEDERAL AND STATE) \$60,314**

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Specific State Funds for Construction Projects**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. Div. 10 R-2555 DIVISION	WBS 34462.1.1 SR 2697 from NC 73 (Sam Furr Road) to I-77 at Cornelius. \$912,983.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$140,000.00
Macon/ Swain Cos. Div. 14 R-4440 DIVISION	WBS 35597.1.1 SR 1364 - SR 1114 (Needmore Road) from SR 1369 (Byrd Road) in Macon County to the existing pavement in Swain County. \$2,099,062.00 has previously been approved for preliminary engineering. Additional funds are requested for preliminary engineering.	\$250,000.00
Franklin/ Macon Co. Div. 14 R-4748 DIVISION	WBS 40118.2.1 New Route from SR 1660 (Siler Road) in Franklin to SR 1662 (Wiley Brown Road) south of US 441. \$5,833,746.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$227,000.00
<b>ITEM J SUMMARY</b>	<b>3 PROJECTS</b>	<b>\$617,000.00</b>

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funding**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Northampton Co. Div. 1 R-2582A STATEWIDE	WBS 34472.2.S1 US 158 from I-95 / NC 46 in Roanoke Rapids to SR 1312 (St. John Church Road) in Northampton County. \$50,000.00 has previously been approved for appraisal of specific parcels. Additional funds are requested for advanced acquisition of Specific Parcels 910 & 911 (Property of Estate of Alice B. Lowe).	\$88,626.00
Greensboro/ Guilford Co. Div. 7 U-2525B STATEWIDE	WBS 34821.3.S6 Greensboro Eastern Loop from north of US 70 to US 29 north of Greensboro. Initial funds are requested for construction based on the estimate from the 12-Month Tentative Letting List published March 5, 2014.	\$114,100,000.00
Mecklenburg Co. Div. 10 R-2555B DIVISION	WBS 34462.1.D4 SR 5544 from NC 73 (Sam Furr Road) to SR 2151 (Jetton Road). Initial funds are needed for preliminary engineering.	\$360,000.00
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>3 PROJECTS</b>	<b>\$114,548,626.00</b>

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Specific North Carolina Trust Funds - Intrastate System**

**K-2**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Avery/ Watauga Cos. Div. 11 R-2566 STATEWIDE	WBS 37512.1.1 NC 105 from US 221 to SR 1107 (NC 105 Bypass) in Boone. \$2,147,425.00 has previously been approved for preliminary engineering. Additional funds are requested for preliminary engineering.	<b>\$700,000.00</b>
<b>TRUST FUND INTRASTATE SUMMARY</b>	<b>1 PROJECT</b>	<b>\$700,000.00</b>

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Specific North Carolina 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-2525 STATEWIDE	WBS 34821.1.1 Greensboro Eastern Loop from SR 2303 (Lawndale Drive) to north of I-40/85. \$11,816,471.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$425,000.00
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. \$15,523,564.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$1,500,000.00
Winston- Salem/ Forsyth Co. Div. 9 U-2579E STATEWIDE	WBS 34839.2.8 Winston-Salem Northern Beltway (Eastern Section) from SR 2211 (Baux Mountain Road) to NC 8. \$3,731,772.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are requested for advanced acquisition of Specific Parcel 899 (Property of Estate of Josie Ann Swaim Gunnell).	\$74,675.00
<b>TRUST FUND URBAN LOOP</b>	<b>3 PROJECTS</b>	<b>\$1,999,675.00</b>
<b><u>SUMMARY</u></b>		
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>3 PROJECTS</b>	<b>\$114,548,626.00</b>
<b>TRUST FUND INTRASTATE SUMMARY</b>	<b>2 PROJECTS</b>	<b>\$725,000.00</b>
<b>TRUST FUND URBAN LOOP</b>	<b>3 PROJECTS</b>	<b>\$1,999,675.00</b>
<b>SUMMARY OF FUNDS</b>	<b>8 PROJECTS</b>	<b>\$117,273,301.00</b>

**NCDOT May 2014 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</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Johnston Co. Div. 4 SS-4904CS	WBS 44167.3.1 NC 96 north of SR 1945 (Dunn Road). Initial construction funds are needed for guardrail installation. File 04-14-27999C	\$60,000.00
Fayetteville/ Cumberland Co. Div. 6 SS-4906BX	WBS 44173.3.1 NC 53 (Cedar Creek Road) near Bureau Drive. Initial construction funds are needed for pedestrian crosswalk, median refuge island, sidewalk, and Rectangular Rapid Flashing Beacons installations. File 06-14-28203C	\$80,000.00
Rowan Co. Div. 9 SS-4909AR	WBS 43705.3.1 SR 2048 (Woodleaf Road) at SR 1944 (West Ridge/Enon Church Road) near Salisbury. \$20,000 in construction funds have previously been approved for flasher revisions. Additional funds are needed due to an increase in construction costs. File 09-11-937-1	\$9,583.53
Charlotte/ Mecklenburg Co. Div. 10 SS-4910BL	WBS 43931.3.1 SR 2940 (Eastway Drive) and SR 2974 (Sugar Creek Road). \$160,000 in construction funds have previously been approved for traffic signal revisions, median island improvements, crosswalk installation, and lane improvements. Additional funds are needed due to an increase in construction costs. File 10-13-206-1	\$240,000.00
Mecklenburg Co. Div. 10 SS-4910BR	WBS 44174.3.1 I-485 from MP 5.8- MP 7.4 (MM 36.3 to 38.1) in the vicinity of Plaza Road Extension near Charlotte. Initial construction funds are needed for installation of Slippery When Wet warning signs with mileage plaques. File 10-11-206C	\$6,000.00

**NCDOT May 2014 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</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Catawba Co. Div. 12 SS-4912O	WBS 42429.3 NC 16 and westbound on/off ramps of I-40 at exit 132. \$10,000 in construction funds have previously been approved for traffic signal revisions. Project was built with other funds. Delete project and reduce funds. File 12-08-204-1	-\$9,877.05
McDowell Co. Div. 13 SS-4913BE	WBS 43719.3.1 US 64 from the Rutherford County line to the Burke County line. \$118,400 in construction funds have previously been approved for guardrail installation. Additional funds are needed due to an increase in construction costs. File 13-12-210-1	\$6,322.91
McDowell Co. Div. 13 SS-4913BN	WBS 43881.3.1 SR 1001 (Sugarhill Road) from I-40 to south of SR 1162. \$172,000 in construction funds have previously been approved for guardrail installation. Additional funds are needed due to an increase in construction costs. File 13-13-201-1	\$75,395.58
<b>ITEM L SUMMARY</b>	<b>8 PROJECTS</b>	<b>\$467,424.97</b>

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 1**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Bertie Co. B-5122 STATEWIDE	42264.1.1, BRNHS-0013(24) Replace Bridge #51 over the Cashie River on US 13. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$317,145.00 Cost \$253,716.00 Fed. \$63,429.00 State
Bertie Co. B-5141 STATEWIDE	42302.3.FS1, BRNHS-0013(25) Replace Bridge #53 over White Oak Swamp on US 13, 0.152 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published March 5, 2014.	\$1,750,000.00 Cost \$1,400,000.00 Fed. \$350,000.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 2**

**National Highway**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Beaufort Co. K-3800 STATEWIDE	38748.3.FS1, NHS-0017(32) US 17 - Beaufort County Rest Area, 0.374 miles. \$4,950,000.00 has previously been approved for construction. Funds need to be decreased (\$17,518.00) to reflect the low bid received on January 21, 2014.	-\$17,518.00 Cost -\$14,014.00 Fed. -\$3,504.00 State

**Bridge**

Beaufort Co. B-4708 DIVISION	38483.3.FD1, BRSTP-1001(47) Replace Bridge #5 over Aggie Run on SR 1001. Funds are needed for construction.	\$1,124,859.00 Cost \$899,887.00 Fed. \$224,972.00 State
Greene Co. B-4755 DIVISION	38527.1.1, BRZ-1215(2) Replace Bridge #65 over Appletree Swamp on SR 1215. \$195,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$5,013.00 Cost \$4,010.00 Fed. \$1,003.00 State
Greene Co. BD-5102R DIVISION	45348.3.FD18, BRZ-1324(6) Replace Bridge #9 over Sandy Run on SR 1324. Funds are needed for construction.	\$671,059.00 Cost \$536,847.00 Fed. \$134,212.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 2 (Continued)**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Pitt Co. B-5111 DIVISION	42249.3.FD1, BRZ-1588(2) Replace Bridge #111 over Briery Swamp on SR 1588, 0.072 miles. \$650,000.00 has previously been approved for construction. Funds need to be increased \$153,280.00 to reflect the low bid received on January 21, 2014.	\$153,280.00 \$122,624.00 \$30,656.00	Cost Fed. State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 3**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wilmington/ New Hanover Co. U-5534F DIVISION	44096.1.F7, STPDA-0332(46) Park Avenue Multi-Use Trail-Phase II. Funds are needed for preliminary engineering.	\$80,000.00 Cost \$64,000.00 Fed. \$16,000.00 Local

**Bridge**

Duplin Co. B-5143 DIVISION	42304.3.FD1, BRZ-1105(20) Replace Bridge #408 over Stewart's Creek on SR 1105, 0.137 miles. \$550,000.00 has previously been approved for construction. Funds need to be increased \$315,291.00 to reflect the low bid received on January 21, 2014.	\$315,291.00 Cost \$252,233.00 Fed. \$63,058.00 State
New Hanover Co. B-4591 DIVISION	38421.3.FD1, BRZ-1002(23) Replace Bridge #4 over Island Creek on SR 1002, 0.420 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published March 5, 2014.	\$1,750,000.00 Cost \$1,400,000.00 Fed. \$350,000.00 State

**Safety**

Brunswick Co. W-5203Y DIVISION	45333.1.FD25, HSIP-1115(20) SR 1115 (Stone Chimney Road/Old Ferry Connection Road) between NC 211 to the dead end. Funds are needed for preliminary engineering.	\$240,000.00 Cost \$216,000.00 Fed. \$24,000.00 State
--------------------------------------	---	---

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 3 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
New Hanover Co. W-5306 REGIONAL	46130.3.FR1, STP-0133(8) NC 133 to US 117/NC 132 in Castle Hayne. Funds are needed for construction of a roundabout.	\$1,490,000.00 Cost \$1,341,000.00 Fed. \$149,000.00 State
Onslow Co. W-5203C STATEWIDE	45333.3.FS3, HSIP-0024(52) NC 24 at SR 1744 (Hubert Boulevard)/SR 1587 (Waterfront Road). Funds are needed for construction for Hubert Superstreet.	\$885,000.00 Cost \$796,500.00 Fed. \$88,500.00 State
Onslow Co. W-5203Z DIVISION	45333.1.FD26, HSIP-1425(6) SR 1425 (Smith Road) between SR 1423 (Old 30 Road) and SR 1434 (Belgrade-Swansboro Road). Funds are needed for preliminary engineering.	\$67,500.00 Cost \$60,750.00 Fed. \$6,750.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Goldsboro/ Wayne Co. U-3609A REGIONAL	39026.3.FR1, STP-0013(33) US 13 (Berkeley Boulevard) from SR 1560 (Royal Avenue) to South Drive, 1.080 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published March 5, 2014.	\$2,500,000.00 Cost \$2,000,000.00 Fed. \$500,000.00 State

**Bridge**

Johnston Co. B-4561 DIVISION	33772.1.1, BRZ-1525(5) Replace Bridge #147 over Swift Creek on SR 1525. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$102,489.00 Cost \$81,991.00 Fed. \$20,498.00 State
------------------------------------	---	--

**Safety**

Divisionwide W-5204H STATEWIDE	45334.3.FS7, HSIP-000S(770) Lane Departure Systemic Improvements using pavement markings, multiple locations. Funds are needed for construction of safety improvements.	\$782,000.00 Cost \$703,800.00 Fed. \$78,200.00 State
Johnston Co. SS-4904CS REGIONAL	44167.1.FR1, HSIP-0096(17) NC 96 from 0.630 miles north of SR 1945 (Dunn Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Durham/ Durham Co. U-5517 REGIONAL	43611.1.1, NHPP-0054(23) NC 54 from SR 1110 (Farrington Road) to the I-40 Eastbound Entrance Ramp. \$160,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$160,000.00 Cost \$128,000.00 Fed. \$32,000.00 State
Fuquay Varina/ Wake Co. U-5530GA DIVISION	44111.1.F8, STPDA-0507(10) Park-Depot Greenway Trail in the Town's Old Honeycutt Park to the existing Park-Depot Greenway Trail in South Lakes Subdivision. Funds are needed for preliminary engineering.	\$106,250.00 Cost \$85,000.00 Fed. \$21,250.00 Local
Apex/ Wake Co. U-5537 DIVISION	44112.1.F1, STPDA-0501(34) SR 1521 (Lake Pine Drive), widen to 3 lanes north of MacGregor Pines Road to north of Versailles Drive, including 10 foot multi-use path east side and 5 foot sidewalk west side. Funds are needed for preliminary engineering.	\$250,000.00 Cost \$175,000.00 Fed. \$75,000.00 Local

**Bridge**

Warren Co. B-4666 DIVISION	38459.3.FD1, BRZ-1314(4) Replace Bridge #80 over Hawtree Creek on SR 1314, 0.076 miles. \$775,000.00 has previously been approved for construction. Funds need to be increased \$70,842.00 to reflect the low bid received on January 21, 2014.	\$70,842.00 Cost \$56,674.00 Fed. \$14,168.00 State
----------------------------------	---	---

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 6**

**Surface Transportation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cumberland Co. R-5512 STATEWIDE	45465.3.FS1, STP-0024(53) NC 24 from I-95/US 301 Business to SR 1006 (Clinton Road/Maxwell Road), combined with R-5513, NC 24/87 from Rowan Street to the US 401 Bypass, 11.200 miles. \$6,400,000.00 has previously been approved for construction. Funds need to be increased \$1,404,953.00 to reflect the low bid received on January 21, 2014.	\$1,404,953.00 Cost \$1,123,962.00 Fed. \$280,991.00 State

**Bridge**

Bladen Co. B-5116 DIVISION	42257.1.1, BRZ-1502(2) Replace Bridge #150 over the South River Overflow on SR 1502. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$231,641.00 Cost \$185,313.00 Fed. \$46,328.00 State
Columbus Co. B-4478 DIVISION	38383.3.FD1, BRZ-1700(9) Replace Bridge #216 over Welch Creek on SR 1700, 0.095 miles. \$850,000.00 has previously been approved for construction. Funds need to be increased \$20,877.00 to reflect the low bid received on January 21, 2014.	\$20,877.00 Cost \$16,702.00 Fed. \$4,175.00 State

**Safety**

Cumberland Co. W-5206AA REGIONAL	45336.2.FR27, HSIP-0059(8) NC 59 (Main Street/Hope Mills Road) from SR 1112 (Rockfish Road) to SR 1003 (Camden Road). Funds are needed for full right of way and utilities.	\$120,000.00 Cost \$108,000.00 Fed. \$12,000.00 State
---	--	---

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 6 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cumberland Co. W-5206AC STATEWIDE	45336.2.FS29, HSIP-0401(251) US 401 (Ramsey Street) at SR 1607 (Elliott Bridge Road). Funds are needed for full right of way and utilities.	\$35,000.00 Cost \$31,500.00 Fed. \$3,500.00 State
Cumberland Co. W-5206AM STATEWIDE	45336.1.FS39, HSIP-0024(67) NC 24/NC 87 from Winston Avenue to Martin Luther King Westbound Ramps and NC 24/NC 210 (Rowan Street) between Ray Avenue and Ramsey Street. Funds are needed for preliminary engineering.	\$250,000.00 Cost \$225,000.00 Fed. \$25,000.00 State
Robeson Co. W-5206AL DIVISION	45336.1.FD38, HSIP-1004(58) SR 1004 (Tarheel Road) between SR 1971 (Denmark Road) and SR 1972 (Musselwhite Road) east of SR 1969 (Smith Road) and Bridges #46 and #50. Funds are needed for preliminary engineering.	\$60,000.00 Cost \$54,000.00 Fed. \$6,000.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 7**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Guilford/ Forsyth Cos. I-5511 STATEWIDE	44114.3.FS1, NHPP-0074(154) I-74/US 311 from I-40 in Forsyth County to east of SR 1980 (Old Plank Road) in Guilford County. Funds are needed for construction for sign installation.	\$180,000.00 \$144,000.00 \$36,000.00	Cost Fed. State

**Bridge**

Alamance Co. B-4400 DIVISION	33680.3.FD1, BRZ-1122(4) Replace Bridge #160 over the South Prong of Stinking Quarter Creek on SR 1122, 0.131 miles. \$950,000.00 has previously been approved for construction. Funds need to be increased \$13,365.00 to reflect the low bid received on January 21, 2014.	\$13,365.00 \$10,692.00 \$2,673.00	Cost Fed. State
Rockingham Co. B-4623 DIVISION	38440.1.1, BRZ-1128(6) Replace Bridge #47 over Hogan's Creek on SR 1128. \$314,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$32,783.00 \$26,226.00 \$6,557.00	Cost Fed. State
Rockingham Co. B-4806 DIVISION	38576.1.1, BRZ-2409(1) Replace Bridge #3 over Troublesome Creek Tributary on SR 2409. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$126,610.00 \$101,288.00 \$25,322.00	Cost Fed. State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 7 (Continued)**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Rockingham Co. B-4965 DIVISION	40243.1.1, BRZ-1165(6) Replace Bridge #249 over Little Beaver Island Creek on SR 1165. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$132,077.00 Cost \$105,662.00 Fed. \$26,415.00 State

**Safety**

Guilford Co. W-5114 REGIONAL	41877.3.FR1, STP-0068(10) NC 68 from south of SR 2111 (East Harrell Road) to north of SR 4831 (Bartonshire Drive), 0.521 miles. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published March 5, 2014.	\$2,100,000.00 Cost \$1,890,000.00 Fed. \$210,000.00 State
Orange Co. W-5143 DIVISION	45267.2.FD1, STP-1004(42) SR 1004 (Efland-Cedar Grove Road) from north of the intersection with SR 1332 (Highland Farm Road). Funds are needed for full right of way and utilities.	\$80,000.00 Cost \$72,000.00 Fed. \$8,000.00 State
Rockingham Co. W-5142 STATEWIDE	45266.1.1, STPNHS-0220(42) US 220 and SR 1110 (Ellisboro Road) south of Madison. \$50,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$50,000.00 Cost \$45,000.00 Fed. \$5,000.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 8**

**National Highway**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Richmond Co. R-3421C STATEWIDE	34542.3.FS5, HPPNHS-0220(65) I-73/74 from 0.2 miles southwest of SR 1304 (Harrington Road) to I-73/74 Interchange south of Ellerbee, 3.724 miles. \$59,700,000.00 has previously been approved for construction. Funds need to be decreased (\$2,881,768.00) to reflect the low bid received on January 21, 2014.	-\$2,881,768.00 Cost -\$2,305,414.00 Fed. -\$576,354.00 State

**Bridge**

Chatham Co. B-4731 DIVISION	38504.3.FD1, BRZ-2159(1) Replace Bridge #129 over Harlands Creek on SR 2159, 0.125 miles. \$925,000.00 has previously been approved for construction. Funds need to be increased \$22,260.00 to reflect the low bid received on January 21, 2014.	\$22,260.00 Cost \$17,808.00 Fed. \$4,452.00 State
Moore Co. B-5164 DIVISION	42340.3.FD1, BRZ-1484(2) Replace Bridge #178 over Buffalo Creek on SR 1484, 0.074 miles. Funds are needed for Construction based on the estimate from the 12-Month Tentative Letting List published March 5, 2014.	\$625,000.00 Cost \$500,000.00 Fed. \$125,000.00 State

**Safety**

Chatham Co. W-5208G DIVISION	45338.3.FD7, HSIP-1717(2) SR 1717 (Jack Bennett Road) from west of SR 1716 (Big Woods Road). Funds are needed for construction to realign horizontal curve.	\$835,000.00 Cost \$751,500.00 Fed. \$83,500.00 State
------------------------------------	--	---

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 8 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Scotland Co. W-5208M REGIONAL	45338.1.FR13, HSIP-0015(43) US 15/501 at NC 144. Funds are needed for preliminary engineering.	\$300,000.00 \$270,000.00 \$30,000.00	Cost Fed. State

**Bicycle and Pedestrian**

Montgomery Co. EB-5521 DIVISION	50037.1.FD1, STPEB-0134(2) NC 134 (North Main Street)/SR 1005 (South Main Street) from SR 1323 (Okeewemee Road) to Barnhill Street. Funds are needed for preliminary engineering.	\$120,000.00 \$96,000.00 \$24,000.00	Cost Fed. State
--	--	--	-----------------------

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 9**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Forsyth Co. B-5107 DIVISION	42244.1.1, BRSTP-1003(71) Replace Bridge #34 over Abbott's Creek on SR 1003. \$315,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$6,892.00 Cost \$5,514.00 Fed. \$1,378.00 State

**Municipal Bridge**

Winston- Salem/ Forsyth Co. B-5004 DIVISION	41107.2.F1, BRSTP-0918(76) Replace Bridge #86 over Salem Creek and Bridge #87 over Brushy Fork Creek on Reynolds Park Road. Funds are needed for full right of way and utilities.	\$195,000.00 Cost \$156,000.00 Fed. \$39,000.00 Local
---	--	---

**NCDOT May 2014 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/ Cabarrus Cos. I-3803 STATEWIDE	34187.1.1, NHIMF-085-2(51)47 I-85 from US 29/NC 49 Connector in Charlotte to NC 73 in Concord/Kannapolis. \$7,200,973.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$110,000.00 Cost \$88,000.00 Fed. \$22,000.00 State
Mecklenburg Co. I-5507 STATEWIDE	43609.1.1, NHS-0485(30) I-485 from I-77 to US 74 (Independence Boulevard). \$1,300,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$200,000.00 Cost \$160,000.00 Fed. \$40,000.00 State

**Bridge**

Cabarrus Co. B-4720 DIVISION	38494.3.FD1, BRZ-2610(1) Replace Bridge #113 over Dutch Buffalo Creek on SR 2610, 0.076 miles. \$700,000.00 has previously been approved for construction. Funds need to be decreased (\$78,034.00) to reflect the low bid received on January 21, 2014.	-\$78,034.00 Cost -\$62,427.00 Fed. -\$15,607.00 State
Mecklenburg Co. BP-5500T DIVISION	50070.3.FD20, NHPP-0277(16) Bridge Preservation Program. Bridge #339 over I-77 on I-277 and Bridge #122 over US 74 on SR 4886. Funds are needed for construction for restoration of the concrete deck surfaces on both bridges.	\$1,370,000.00 Cost \$1,096,000.00 Fed. \$274,000.00 State

**NCDOT May 2014 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-5210J REGIONAL	45340.1.FR10, HSIP-0073(35) NC 73 from SR 1529 (Riding Trail) to SR 1507 (LaForest Road) near Kannapolis. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State

**Rail Program**

Charlotte/ Mecklenburg Co. Y-4810G DIVISION	40325.3.F60, STPRR-1003(116) Permanent Crossing Closure at the intersection of Church Street and the CSX Transportation Tracks; Crossing #631 402Y. Funds are needed for construction for the extension of Wadsworth Place as mitigation for the crossing closure of Church Street.	\$325,000.00 Cost \$325,000.00 Fed.
---	--	--

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 11**

**Surface Transportation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Alleghany Co. R-3101 REGIONAL	37044.3.FR1, STP-0021(14) US 21 from SR 1100 (Oklahoma Road) to SR 1121 (Pine Swamp Road), 9.684 miles. \$19,000,000.00 has previously been approved for construction. Funds need to be increased \$976,638.00 to reflect the low bid received on January 21, 2014.	\$973,638.00 Cost \$778,910.00 Fed. \$194,728.00 State

**Enhancement**

Boone/ Watauga Co. E-4955 DIVISION	39621.3.1, STP-1104(13) Wilson Drive Alternative Transportation Improvements. \$178,560.00 has previously been approved for construction. Funds need to be increased \$46,560.00 based on the latest estimate.	\$46,560.00 Cost \$37,248.00 Fed. \$9,312.00 Local
Boone/ Watauga Co. E-4955 DIVISION	39621.1.1, STP-1104(13) Wilson Drive Alternative Transportation Improvements. \$28,680.00 has previously been approved for preliminary engineering. Funds need to be increased \$52,889.00 based on the latest estimate.	\$52,889.00 Cost \$42,312.00 Fed. \$10,577.00 Local

**Bridge**

Ashe Co. B-4705 DIVISION	38480.3.FD1, BRZ-1376(2) Replace Bridge #69 over Little Helton Creek on SR 1376, 0.061 miles. \$300,000.00 has previously been approved for construction. Funds need to be increased \$126,630.00 to reflect the low bid received on January 21, 2014.	\$126,630.00 Cost \$101,304.00 Fed. \$25,326.00 State
--------------------------------	---	---

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 11 (Continued)**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Caldwell Co. B-4721 DIVISION	38495.1.1, BRZ-1732(2) Replace Bridge #57 over the Middle Little River on SR 1732. \$60,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$152,212.00 Cost \$121,770.00 Fed. \$30,442.00 State
Caldwell Co. B-5138 REGIONAL	42299.3.FR1, BRSTP-321A(3) Replace Bridge #6 over Little Gunpowder Creek on US 321A, 0.038 miles. \$775,000.00 has previously been approved for construction. Funds need to be decreased (\$115,691.00) to reflect the low bid received on January 21, 2014.	-\$115,691.00 Cost -\$92,553.00 Fed. -\$23,138.00 State
Surry Co. BD-5111X DIVISION	45357.2.FD24, BRZ-1742(5) Replace Bridge #95 over Champ Creek on SR 1742. Funds are needed for full right of way and utilities.	\$15,000.00 Cost \$12,000.00 Fed. \$3,000.00 State
Watauga Co. B-4836 DIVISION	38606.1.1, BRZ-1331(12) Replace Bridge #59 over the South Fork of the New River on SR 1331. \$236,255.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$82,381.00 Cost \$65,905.00 Fed. \$16,476.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 11 (Continued)**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wilkes Co. B-4846 DIVISION	38616.3.FD1, BRZ-2418(1) Replace Bridge #5 over Little Hunting Creek on SR 2418, 0.077 miles. \$675,000.00 has previously been approved for construction. Funds need to be increased \$77,189.00 to reflect the low bid received on January 21, 2014.	\$77,189.00 Cost \$61,751.00 Fed. \$15,438.00 State
Wilkes Co. B-5146 DIVISION	42307.3.FD1, BRZ-1562(2) Replace Bridge #302 over Middle Fork Reddies River on SR 1562, 0.115 miles. \$1,000,000.00 has previously been approved for construction. Funds need to be increased \$119,251.00 to reflect the low bid received on January 21, 2014.	\$119,251.00 Cost \$95,401.00 Fed. \$23,850.00 State
Yadkin Co. BD-5111W DIVISION	45357.2.FD23, BRZ-1716(3) Replace Bridge #2 over Turner Creek on SR 1716. Funds are needed for full right of way and utilities.	\$15,000.00 Cost \$12,000.00 Fed. \$3,000.00 State

**Bicycle and Pedestrian**

West Jefferson/ Ashe Co. EB-3314G DIVISION	33935.1.FD7, STPEB-1128(011) Pedestrian Improvements. Funds are needed for preliminary engineering.	\$25,000.00 Cost \$20,000.00 Fed. \$5,000.00 State
--	---	--

**NCDOT May 2014 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>
Catawba Co. B-5101 DIVISION	42223.3.FD1, BRZ-1149(5) Replace Bridge #83 over Clark Creek on SR 1149, 0.128 miles. \$1,050,000.00 has previously been approved for construction. Funds need to be decreased (\$26,368.00) to reflect the low bid received on January 21, 2014.	-\$26,368.00 Cost -\$21,094.00 Fed. -\$5,274.00 State

**NCDOT May 2014 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-5321 STATEWIDE	46267.1.FS1, NHPP-026-1(196)4 Future I-26 from the Weaverville City Limits to US 23 Business. Funds are needed for preliminary engineering.	\$200,000.00 \$160,000.00 \$40,000.00	Cost Fed. State
Madison Co. I-5372 STATEWIDE	46191.1.FS1, NHPP-026-1(195)9 I-26 from Mile Marker 9 to the Buncombe County Line. Funds are needed for preliminary engineering.	\$200,000.00 \$160,000.00 \$40,000.00	Cost Fed. State
Asheville/ Buncombe Co. I-2513* STATEWIDE	34165.1.2, NHF-026-1(53) I-240 and New Route from I-26 to US 19-23-70. \$13,921,143.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$2,000,000.00 \$1,600,000.00 \$400,000.00	Cost Fed. State

**Bridge**

Buncombe Co. B-5244 DIVISION	42846.1.1, BRZ-3197(1) Replace Bridge #363 over Robinson Creek on SR 3197. \$150,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate.	\$180,000.00 \$144,000.00 \$36,000.00	Cost Fed. State
---------------------------------------	---	---	-----------------------

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 13 (Continued)**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Buncombe Co. BD-5113M DIVISION	45359.3.FD13, BRZ-1109(12) Replace Bridge #651 over Stoney Fork Creek on SR 1109. \$525,000.00 has previously been approved for construction. Additional funds are needed based on the latest estimate.	\$105,000.00 Cost \$84,000.00 Fed. \$21,000.00 State
Buncombe Co. BP-5500Z STATEWIDE	50070.3.FS26, NHPP-040-1(258)64 Bridge Preservation Program. Bridge #492 over NC 9 on I-40. Funds are needed for construction to preserve bridge integrity and structure.	\$780,000.00 Cost \$624,000.00 Fed. \$156,000.00 State
Burke Co. BD-5113H DIVISION	45359.3.FD8, BRZ-1916(9) Replace Bridge #73 over the Henry Fork River on SR 1916. Funds are needed for construction.	\$900,000.00 Cost \$720,000.00 Fed. \$180,000.00 State

**Safety**

Buncombe Co. W-5213G DIVISION	45343.1.FD8, HSIP-2002(2) SR 2002 (Riceville Road) from US 70 to SR 2419 (Bull Creek Road) near Haw Creek. Funds are needed for preliminary engineering.	\$50,000.00 Cost \$45,000.00 Fed. \$5,000.00 State
--	---	--

**NCDOT May 2014 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>
Mars Hill/ Madison Co. EB-5536 DIVISION	50051.1.FD1, STPEB-1318(14) Gabriel Creek Greenway from Hickory Drive to Bailey Street. Funds are needed for preliminary engineering.	\$90,000.00 Cost \$72,000.00 Fed. \$18,000.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 14**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Haywood Co. I-5508 STATEWIDE	55057.2.FS1, IMS-040-1(245)7 I-40 near Milepost 7. Funds are needed for full right of way and utilities.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State

**Congestion Mitigation**

Haywood Co. C-5202 EXEMPT	46286.1.F1, CMS-000S(639) Great Smoky Mountains National Park Transportation Choices; Increase education efforts that inform visitors about the role their transportation choices have in relation to air pollution issues. Funds are needed for preliminary engineering.	\$148,750.00 Cost \$119,000.00 Fed. \$29,750.00 Local
---------------------------------	--	---

**Bridge**

Clay Co. B-4734 DIVISION	38507.1.1, BRZ-1300(8) Replace Bridge #9 over Tusquitee Creek on SR 1300. \$110,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$268,214.00 Cost \$214,571.00 Fed. \$53,643.00 State
Henderson Co. B-5149 DIVISION	42310.1.1, BRZ-1574(3) Replace Bridge #38 over Clear Creek on SR 1574. \$460,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$674.00 Cost \$539.00 Fed. \$135.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 14 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Clay Co. W-5214G REGIONAL	45344.3.FR7, HSIP-0064(162) US 64 at SR 1300 (Fires Creek Road) near Hayesville. Funds are needed for construction for intersection improvements.	\$331,000.00 Cost \$297,900.00 Fed. \$33,100.00 State

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Statewide**

**Planning and Research**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Statewide M-0468 EXEMPT	50102.1.F1, SPR-000S(771) Metrolina Ramp Metering Feasibility Study. Funds are needed for preliminary engineering.	\$750,000.00 Cost \$600,000.00 Fed. \$150,000.00 State
Statewide M-0359 EXEMPT	39959.1.1, SPR-000S(709) Project Development and Environmental Analysis Branch. \$54,635.00 has previously been approved for preliminary engineering. Additional funds are needed based on the latest estimate to develop a procedures manual.	\$900,000.00 Cost \$720,000.00 Fed. \$180,000.00 State

**Rail Program**

Statewide Y-4800 STATEWIDE	40325.1.1, STP-000S(439) Traffic Separation Study-Implementation and Closures. \$3,975,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover the overdraft to allow closure of project.	\$1,000,000.00 Cost \$900,000.00 Fed. \$100,000.00 State
Statewide Y-5500 STATEWIDE	45533.1.FS1, RR-000S(773) Traffic Separation Study-Implementation and Closures. Funds are needed for preliminary engineering.	\$150,000.00 Cost \$135,000.00 Fed. \$15,000.00 State

\* INDICATES INTRA-STATE OR LOOP PROJECT

**ITEM M SUMMARY - 82 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$28,311,306.00**

## HIGHWAY PROGRAM

## STIP ADDITIONS

## DIVISION 5

* U-543	VARIABLE MESSAGE SIGNS FOR TRAFFIC	ENGINEERING	FY 2014 -	\$75,000	(STPDA)
ORANGE	MANAGEMENT ON MAJOR CORRIDORS IN CHAPEL		FY 2014 -	<u>\$19,000</u>	(C)
DURHAM	HILL.			\$94,000	
PROJ.CATEGORY	<u>PROJECT ADDED AT REQUEST OF DURHAM-CHAPEL</u>				
REGIONAL	<u>HILL-CARRBORO MPO.</u>				

## DIVISION 13

* I-5608	I-240, I-40/I-26 TO SR 1781 (BROADWAY STREET).	CONSTRUCTION	FY 2014 -	<u>\$5,800,000</u>	(NHPIM)
BUNCOMBE	PAVEMENT REHABILITATION.			\$5,800,000	
PROJ.CATEGORY	<u>PROJECT WAS INCLUDED IN THE DRAFT 2013 - 2023</u>				
STATEWIDE	<u>STIP RELEASED SEPTEMBER 2012. ADD PROJECT TO</u>				
	<u>THE CURRENT STIP TO ADDRESS DETERIORATED</u>				
	<u>PAVEMENT CONDITIONS.</u>				

## STIP MODIFICATIONS

## DIVISION 2

F-5000	NC 306, CHERRY BRANCH VISITOR'S CENTER.	CONSTRUCTION	FY 2015 -	<u>\$800,000</u>	(S)
CRAVEN	REPLACEMENT.			\$800,000	
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO</u>				
REGIONAL	<u>ALLOW ADDITIONAL DESIGN TIME DUE TO SCOPE</u>				
	<u>CHANGE.</u>				

R-1015	US 70 (HAVELOCK BYPASS), NORTH OF PINE GROVE	UTILITIES	FY 2015 -	\$845,000	(NHP)
CRAVEN	TO NORTH OF CARTERET COUNTY LINE. FOUR LANE	RIGHT-OF-WAY	FY 2015 -	\$11,425,000	(NHP)
PROJ.CATEGORY	DIVIDED FACILITY ON NEW LOCATION.	CONSTRUCTION	FY 2017 -	\$40,000,000	(NHP)
STATEWIDE	<u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 15 AND</u>		FY 2018 -	\$40,000,000	(NHP)
	<u>CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW</u>		FY 2019 -	\$40,000,000	(NHP)
	<u>ADDITIONAL TIME FOR PLANNING.</u>		FY 2020 -	<u>\$40,000,000</u>	(NHP)
				\$172,270,000	

## DIVISION 5

* B-5237	SR 2703 (NEW BETHEL CHURCH ROAD), REPLACE	RIGHT-OF-WAY	FY 2015 -	\$65,000	(STPOFF)
WAKE	BRIDGE NO. 248 OVER MAHLER'S CREEK IN GARNER.	MITIGATION	FY 2015 -	\$12,000	(STPOFF)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 15 AND</u>	CONSTRUCTION	FY 2016 -	<u>\$650,000</u>	(STPOFF)
DIVISION	<u>CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW</u>			\$727,000	
	<u>ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, May 01, 2014

**HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 5**

U-0071 DURHAM PROJ.CATEGORY STATEWIDE	EAST END CONNECTOR, NC 147 (DURHAM FREEWAY) TO NORTH OF NC 98 IN DURHAM. FOUR-LANE DIVIDED FREEWAY WITH AUXILIARY LANES, PART ON NEW LOCATION. <u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO ALLOW ADDITIONAL TIME FOR RIGHT OF WAY AND UTILITIES.</u>	CONSTRUCTION	FY 2015 - \$237,590 (STPDA) FY 2015 - \$35,175,000 (T) FY 2015 - \$59,398 (C) FY 2016 - \$35,175,000 (T) FY 2017 - \$35,175,000 (T) FY 2018 - \$35,175,000 (T) \$140,996,988
--	---	--------------	--

* U-5517 DURHAM PROJ.CATEGORY REGIONAL	NC 54, SR 1110 (FARRINGTON ROAD) TO I-40 EASTBOUND ENTRANCE RAMP IN DURHAM. CONSTRUCT SLIP RAMP. <u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 16 AND CONSTRUCTION FROM FY 15 TO FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - \$300,000 (NHP) FY 2017 - \$1,300,000 (NHP) \$1,600,000
---	--	------------------------------	---

**DIVISION 6**

U-2519CB CUMBERLAND PROJ.CATEGORY STATEWIDE	I-295 FAYETTEVILLE OUTER LOOP, SOUTH OF SR 1400 (CLIFFDALE ROAD) TO EAST OF SR 1415 (CLEARWATER ROAD) <u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO ALLOW ADDITIONAL TIME TO COORDINATE WITH FORT BRAGG ON DESIGN ISSUES.</u>	CONSTRUCTION	FY 2015 - \$41,867,000 (T) FY 2016 - \$41,867,000 (T) FY 2017 - \$41,866,000 (T) \$125,600,000
--	---	--------------	---

**DIVISION 7**

U-3615B GUILFORD PROJ.CATEGORY DIVISION	SR 1820 (SKEET CLUB ROAD), EAST OF SR 1818 (JOHNSON STREET) TO WEST OF NC 68 (EASTCHESTER DRIVE) IN HIGH POINT. <u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	CONSTRUCTION	FY 2015 - \$10,600,000 (STP) FY 2016 - \$10,600,000 (STP) FY 2017 - \$10,600,000 (STP) \$31,800,000
--	--	--------------	--

W-5305 GUILFORD PROJ.CATEGORY REGIONAL	SR 1129 (GROOMETOWN ROAD), SR 1129 AT SR 4019 (GROOMETOWN ROAD); NC 62 AT SR 1129 (GROOMETOWN ROAD). REALIGN BOTH INTERSECTIONS AND REMOVE ACCESS BETWEEN SR 4019 AND NC 62. <u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	UTILITIES RIGHT-OF-WAY CONSTRUCTION	FY 2014 - \$50,000 (HSIP) FY 2014 - \$50,000 (HSIP) FY 2015 - \$490,000 (HSIP) \$590,000
---	---	---	---

\* INDICATES FEDERAL AMENDMENT

**HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 9**

C-4908E ROWAN PROJ.CATEGORY EXEMPT	SR 1002 (BRINGLE FERRY ROAD), LONG STREET TO NEWSOME ROAD IN SALISBURY. <u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO REFLECT CITY'S DELIVERY TIMELINE</u>	CONSTRUCTION	FY 2015 - \$239,000 (CMAQ) FY 2015 - <u>\$60,000</u> (C) \$299,000
C-5160 ROWAN PROJ.CATEGORY EXEMPT	NEWSOME ROAD, CITY OF SALISBURY - CONSTRUCT BIKE LANES. <u>DELAY RIGHT-OF-WAY AND CONSTRUCTION FROM FY 14 TO FY 15 TO REFLECT CITY'S DELIVERY TIMELINE.</u>	ENGINEERING RIGHT-OF-WAY CONSTRUCTION	FY 2014 - \$11,000 (CMAQ) FY 2014 - \$3,000 (C) FY 2015 - \$101,000 (CMAQ) FY 2015 - \$25,000 (C) FY 2015 - \$1,005,000 (CMAQ) FY 2015 - <u>\$251,000</u> (C) \$1,396,000
EB-4020C FORSYTH PROJ.CATEGORY DIVISION	BRUSHY FORK GREENWAY, LOWERY STREET TO REYNOLDS PARK ROAD IN WINSTON-SALEM. <u>DELAY RIGHT-OF-WAY FROM FY 12 TO FY 15 AND CONSTRUCTION FROM FY 13 TO FY 15 TO REFLECT CITY'S REVISED DELIVERY TIMELINE.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2015 - \$8,000 (STPDA) FY 2015 - \$2,000 (C) FY 2015 - \$592,000 (STPDA) FY 2015 - \$300,000 (STPEB) FY 2015 - <u>\$148,000</u> (C) \$1,050,000
EB-5005 DAVIE PROJ.CATEGORY DIVISION	RICH PARK GREENWAY, US 158, SR 1400 (CAMPBELL ROAD), AND RICH PARK IN MOCKSVILLE. CONSTRUCT MULTI-USE PATH. <u>DELAY ENGINEERING FROM FY 12 TO FY 14 PENDING EXECUTION OF MUNICIPAL AGREEMENT.</u>	ENGINEERING CONSTRUCTION	FY 2014 - \$200,000 (STPEB) FY 2015 - <u>\$700,000</u> (STPEB) \$900,000
EB-5523 FORSYTH PROJ.CATEGORY DIVISION	MUDDY CREEK / CEDAR TRAIL CONNECTION, CEDAR TRAIL TO MUDDY CREEK GREENWAY IN WINSTON-SALEM. CONSTRUCT MULTI-USE PATH AND PEDESTRIAN BRIDGE OVER MUDDY CREEK. <u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO ALLOW CITY ADDITIONAL TIME FOR PLANNING, DESIGN, AND RIGHT OF WAY.</u>	CONSTRUCTION	FY 2015 - \$240,000 (STPDA) FY 2015 - \$500,000 (STPEB) FY 2015 - \$60,000 (C) \$800,000
<b>DIVISION 10</b> C-4916C CABARRUS PROJ.CATEGORY EXEMPT	OAKWOOD AVENUE, WINDSOR DRIVE TO ROGERS LAKE ROAD <u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 15 AND CONSTRUCTION FROM FY 14 TO FY 15 AT THE REQUEST OF THE CITY OF KANNAPOLIS.</u>	ENGINEERING RIGHT-OF-WAY CONSTRUCTION	FY 2014 - \$83,000 (CMAQ) FY 2014 - \$21,000 (C) FY 2015 - \$98,000 (CMAQ) FY 2015 - \$25,000 (C) FY 2015 - \$449,000 (CMAQ) FY 2015 - <u>\$112,000</u> (C) \$788,000

\* INDICATES FEDERAL AMENDMENT

**HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 10**

C-5157	HARRISBURG, CONSTRUCT SIDEWALKS ON TOM	ENGINEERING	FY 2015 -	\$73,000	(CMAQ)
CABARRUS	QUERY ROAD, ROBINSON CHURCH ROAD AND		FY 2015 -	\$18,000	(C)
PROJ.CATEGORY	STALLINGS ROAD IN HARRISBURG.	CONSTRUCTION	FY 2015 -	\$378,000	(CMAQ)
EXEMPT	<u>DELAY PRELIMINARY ENGINEERING FROM FY 14 TO</u>		FY 2015 -	\$95,000	(C)
	<u>FY 15 AND CONSTRUCTION FROM FY 14 TO FY 15 TO</u>			\$564,000	
	<u>BETTER COORDINATE THE SCHEDULE WITH RAIL</u>				
	<u>WORK BEING DONE IN THE VICINITY.</u>				

U-5522	CONCORD, CONCORD TRAFFIC MANAGEMENT SYSTEM	CONSTRUCTION	FY 2014 -	\$880,000	(DP)
CABARRUS	<u>DELAY CONSTRUCTION FROM FY 13 TO FY 14 TO</u>		FY 2014 -	\$220,000	(C)
PROJ.CATEGORY	<u>ALLOW ADDITIONAL TIME FOR DESIGN.</u>			\$1,100,000	
STATEWIDE					

**DIVISION 11**

W-5503	NC 268, NC 268 EAST OF NORTH WILKESBORO. WIDEN	RIGHT-OF-WAY	FY 2014 -	\$3,125,000	(HSIP)
WILKES	MULTIPLE SECTIONS AND IMPROVE SHOULDERS.	CONSTRUCTION	FY 2015 -	\$2,925,000	(HSIP)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO</u>			\$6,050,000	
REGIONAL	<u>ALLOW ADDITIONAL TIME FOR DESIGN.</u>				

**DIVISION 12**

* C-5532	LINCOLNTON, GENERAL BOULEVARD-MAIN STREET	ENGINEERING	FY 2015 -	\$70,000	(CMAQ)
LINCOLN	PEDESTRIAN IMPROVEMENTS IN LINCOLNTON.		FY 2015 -	\$18,000	(C)
PROJ.CATEGORY	CONSTRUCT HIGH VISIBILITY CROSSWALKS,	RIGHT-OF-WAY	FY 2016 -	\$20,000	(CMAQ)
EXEMPT	PEDESTRIAN REFUGE ISLANDS AND INSTALL		FY 2016 -	\$5,000	(C)
	COUNTDOWN TIMERS.	CONSTRUCTION	FY 2017 -	\$375,000	(CMAQ)
	<u>DELAY PRELIMINARY ENGINEERING FROM FY 14 TO</u>		FY 2017 -	\$94,000	(C)
	<u>FY 15, RIGHT-OF-WAY FROM FY 14 TO FY 16 AND</u>			\$582,000	
	<u>CONSTRUCTION FROM FY 14 TO FY 17 TO ALLOW</u>				
	<u>ADDITIONAL TIME TO ANALYZE THE FEASIBILITY OF</u>				
	<u>ADDING SAFETY FUNDS TO EXPAND THE SCOPE OF</u>				
	<u>THE PROJECT.</u>				

**DIVISION 13**

U-3301	NC 63 (LEICESTER HIGHWAY), SR 1615 (GILBERT	UTILITIES	FY 2015 -	\$3,100,000	(STP)
BUNCOMBE	ROAD) TO WEST OF SR 1004 (NEWFOUND ROAD) IN	RIGHT-OF-WAY	FY 2015 -	\$6,500,000	(STP)
PROJ.CATEGORY	ASHEVILLE. WIDEN TO MULTI-LANES, SOME	CONSTRUCTION	FY 2015 -	\$7,467,000	(STP)
STATEWIDE	RELOCATION.		FY 2016 -	\$7,466,000	(STP)
	<u>DELAY RIGHT OF WAY AND UTILITIES FROM FY 13 TO</u>		FY 2017 -	\$7,467,000	(STP)
	<u>FY 15. PROJECT IS TO BE CONSTRUCTED UTILIZING</u>			\$32,000,000	
	<u>THE DESIGN-BUILD PROCESS INSTEAD OF THE</u>				
	<u>CONVENTIONAL DESIGN-BID-BUILD PROCESS.</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, May 01, 2014

## HIGHWAY PROGRAM

## STIP DELETIONS

**DIVISION 9**

* C-5544	CONSTRUCT SIDEWALKS IN TWO UNINCORPORATED	CONSTRUCTION	FY 2014 -	\$192,000	(CMAQ)
DAVIDSON	COMMUNITIES IN DAVIDSON COUNTY.		FY 2014 -	<u>\$48,000</u>	(C)
PROJ.CATEGORY	<u>PROJECT DELETED AT REQUEST OF</u>			\$240,000	
DIVISION	<u>TRANSPORTATION PLANNING BRANCH.</u>				

**DIVISION 10**

* C-5535	NC 16 (BROOKSHIRE BOULEVARD) AND LAWTON ROAD	ENGINEERING	FY 2014 -	\$225,000	(CMAQ)
MECKLENBURG	IN CHARLOTTE. CONSTRUCT AN ADDITIONAL RIGHT		FY 2014 -	\$75,000	(C)
PROJ.CATEGORY	TURN LANE ONTO NORTHBOUND LAWTON ROAD.	RIGHT-OF-WAY	FY 2014 -	\$53,000	(CMAQ)
EXEMPT	<u>DELETE AT THE REQUEST OF THE CITY OF</u>		FY 2014 -	\$18,000	(C)
	<u>CHARLOTTE.</u>	CONSTRUCTION	FY 2014 -	\$1,118,000	(CMAQ)
			FY 2014 -	<u>\$373,000</u>	(C)
				\$1,862,000	

**DIVISION 12**

* B-5520	SR 1131 (PITTSTOWN ROAD), REPLACE BRIDGE NO. 45	RIGHT-OF-WAY	FY 2019 -	\$55,000	(STPOFF)
CATAWBA	OVER HOP CREEK.	CONSTRUCTION	FY 2020 -	<u>\$550,000</u>	(STPOFF)
PROJ.CATEGORY	<u>DELETE, WORK TO BE COMPLETED UNDER PROJECT</u>			\$605,000	
DIVISION	<u>17BP.12.R.20.</u>				

* C-5185	GASTON MALL - FRANKLIN SQUARE AREA AND	ENGINEERING	FY 2013 -	\$520,000	(CMAQ)
GASTON	BELMONT AREA. CONSTRUCT PARK AND RIDE LOTS.		FY 2013 -	\$130,000	(C)
PROJ.CATEGORY	<u>DELETE, FUNDS WERE FLEXED TO FTA FOR</u>	RIGHT-OF-WAY	FY 2014 -	\$200,000	(CMAQ)
EXEMPT	<u>COMPLETION OF PROJECT.</u>		FY 2014 -	\$50,000	(C)
		CONSTRUCTION	FY 2014 -	\$80,000	(CMAQ)
			FY 2014 -	\$20,000	(C)
				\$1,000,000	

**ITEM N SUMMARY**

ADDITIONS	2	PROJECTS	\$5,894,000
MODIFICATIONS	19	PROJECTS	
DELETIONS	4	PROJECTS	\$3,707,000
	25	PROJECTS	\$2,187,000

\* INDICATES FEDERAL AMENDMENT

Thursday, May 01, 2014

NCDOT May 1, 2014 Board of Transportation Agenda

SUMMARY: There are a total of 51 agreements for approval by the Board of Transportation.

Statewide

Norfolk Southern Railway Company (NSR)  
North Carolina Railroad Company (NCRR)

This Supplemental Agreement No. 3 covers the amendment of the Preliminary Engineering Reimbursement Agreement (PERA) to provide for an increase in funding for projects covered by the agreement. It also covers the amendment for the scope of work to include the design and plan review for the McLeansville Road Grade Separation Project as part of the Piedmont Improvement Project (PIP). The increased estimated cost to the Department is \$4,810,275 which includes \$15,300.00 for the McLeansville Road Grade Separation Project. The Department, NSR, and NCRR executed the PERA on December 21, 2011.

North Carolina Dept. of Cultural Resources

This Agreement (MOU) covers the process by which NCDOT will receive donations for "Art That Moves You" projects and the reimbursement of funds to NCDOT for specified projects. The scope of work, deliverables, delivery timeline and funding of projects will be included in a separate MOA.

North Carolina Dept. of Cultural Resources  
North Carolina Dept. of Commerce

This Agreement (MOA) covers the cooperation between NCDOT, NCDOT and the NC Department of Commerce who are working together to promote the U.S. Open Golf Tournament and the U.S. Women's Golf Championship in Pinehurst. NCDOT is responsible for the execution of Waypoints consisting of artificial turf or painted landscape to mimic golf greens with directional signage to guide and promote the Events along transportation routes throughout the State as a prelude to a full unified "North Carolina Brand" marketing campaign. The NCDOT will receive and hold donated funds in NCDOT's special revenue fund and reimburse those funds designated for this project to NCDOT.

Division 1

County of Dare  
S-5502  
50063.1.1  
50063.3.1

This Project consists of the design, fabrication and installation of 6 Portal Kiosks and site improvements to ensure accessibility for Portal Kiosks and Village Wayside Exhibits; design, fabrication and installation of 21 wayside exhibits in or near each of the 21 Byway Villages through Dare, Hyde and Carteret Counties. The Department shall participate up to a maximum amount of \$212,000. The County shall provide a local match of \$53,000 and all costs that exceed the total estimated cost of \$265,000.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 2

Town of Bayboro  
Pamlico County  
B-5129A  
42287.1.2  
42287.2.2  
42287.3.2

This Project consists of the replacement of Bridge No. 24 on NC 304 (Vandemere Road) in Pamlico County. At the request of the Municipality, the bridge replacement Project will also include installation of ornamental bridge lighting. The Department shall be responsible for all phases of the Project. Upon completion of the work, the Municipality shall assume all costs for continuing electrical service for the lighting and shall be responsible for all costs associated with maintenance of the lighting.

North Carolina Department of  
Environment and Natural  
Resources  
Carteret County  
36249.3075

This Project consists of the Department using Digital Mapping Camera to obtain remotely sensed imagery of the shallow water portions at an elevation of 4500' above mean ground level in Carteret County. This Supplemental Agreement is to modify the scope, amend the funding for a total of \$128,500, in lieu of \$73,000 and to extend the completion date to December 31, 2014 in lieu of August 30, 2014.

Division 3

County of New Hanover  
U-5527C  
50077.1.F4  
50077.2.F4  
50077.3.F4

This Project consists of the construction of a multi-use path along Middle Sound Loop Road from Oyster Lane to the Middle Sound Village driveway in New Hanover County. The County is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$90,000) from TAP funds allocation. The County will be responsible for providing the 20% (\$22,500) matching funds and all costs that exceed the total estimated cost (\$112,500).

Town of Leland  
Brunswick County  
U-5534I  
44096.1.F10  
44096.2.F10  
44096.3.F10

This Project consists of the construction of a 10-foot wide asphalt multi-use path routed across Perry Avenue (behind the library), out to Village Road ending on the western edge of the First Baptist Church property before the Sturgeon Creek Bridge in Brunswick County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 70% (\$97,914) from STP-DA funds allocation. The Municipality will be responsible for providing the 30% (\$41,963) matching funds and all costs that exceed the total estimated cost (\$139,877).

NCDOT May 1, 2014 Board of Transportation Agenda

Division 3 cont.

Town of Leland  
Brunswick County  
U-5534J  
44096.1.F11  
44096.2.F11  
44096.3.F11

This Project consists of the construction of a 5-foot wide sidewalk in three locations, on Village Road, Town Hall Drive, and Old Fayetteville Road in Brunswick County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 70% (\$193,427) from STP-DA funds allocation. The Municipality will be responsible for providing the 30% (\$82,897) matching funds and all costs that exceed the total estimated cost (\$276,324).

Town of Leland  
Brunswick County  
U-5534K  
44096.1.F12  
44096.2.F12  
44096.3.F12

This Project consists of the construction of 5-foot wide concrete sidewalk adjacent to Old Fayetteville Road from Ricefield Branch Road to the Hwy 74/76 overpass with connections to Leland Middle School and the surrounding neighborhoods in Brunswick County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$222,932) from STP-DA funds allocation. The Municipality will be responsible for providing the 20% (\$55,733) matching funds and all costs that exceed the total estimated cost (\$278,665).

Town of Carolina Beach  
New Hanover County  
U-5534L  
44096.1.F13  
44096.2.F13  
44096.3.F13

This Project consists of the construction of a 10-foot wide multi-use path from Greenville Avenue to Alabama Avenue in New Hanover County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$445,188) from STP-DA funds allocation. The Municipality will be responsible for providing the 20% (\$111,297) matching funds and all costs that exceed the total estimated cost (\$556,485).

Town of Wrightsville Beach  
New Hanover County  
U-5534M  
44096.1.F14  
44096.2.F14  
44096.3.F14

This Project consists of the construction of dual left turns from Waynick Boulevard to Causeway Drive, channelizing the one-way entrance to Lumina Avenue and improving lane markings, straightening crosswalks at Waynick Blvd and installing bulbouts at Lumina Avenue/Stone Street, and adding ADA compliant curb ramps at all crosswalks within the Project area in New Hanover County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$233,600) from STP-DA funds allocation. The Municipality will be responsible for providing the 20% (\$58,400) matching funds and all costs that exceed the total estimated cost (\$292,000).

NCDOT May 1, 2014 Board of Transportation Agenda

Division 3 cont.

City of Wilmington  
New Hanover County  
SR-5001CL  
40924.3.88

This Project consists of Safe Routes to School funding for sidewalk and intersection crossing improvements on South 13th Street in New Hanover County. The Municipality is responsible for all phases of the Project. The Department shall reimburse the Municipality 100% of the approved eligible costs covered under this Agreement up to the maximum federal award amount of \$390,000. The Municipality will be responsible for all costs that exceed the federal award amount.

County of Pender  
SR-5001CB  
40924.3.78

This Project consists of Safe Routes to School funding for installation of multi-use paths along SR 1563 (Sloop Point Loop Road) and SR 1565 (Country Club Road) in Pender County. The Department is responsible for all phases of the Project. The Department has allocated federal funding up to \$500,000 for the Project. The County will be responsible for all costs that exceed the federal award amount.

Town of Surf City  
Onslow County  
EB-3314A  
33935.1.FD1  
33935.2.FD1

This Project consists of the construction of a 5 foot concrete sidewalk, truncated domes, high visibility crosswalks and any ADA upgrades required along NC 210 (North New River Drive) from Broadway Street (Non-System) to West 9th Street (Non-System) Onslow County. The Department shall allocate an amount not to exceed 80% (\$204,500) in STP-EB federal funds and 20% (\$25,500) matching state funds. Costs which exceed the total estimated amount (\$230,000) shall be borne by the Municipality.

Division 4

City of Rocky Mount  
Edgecombe County  
SR-5001CC  
40924.3.79

This Project consists of Safe Routes to School funding for new sidewalks and improvements for Baskerville and Williford Elementary Schools in compliance with ADA Standards and NCDOT requirements in Edgecombe County. The Municipality is responsible for all phases of the Project. The Department shall reimburse the Municipality 100% of the approved eligible costs covered under this Agreement up to the maximum federal award amount of \$500,000. The Municipality will be responsible for all costs that exceed the federal award amount.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 5

North Carolina Dept. of Public  
Safety  
North Carolina National Guard  
Wake County

This Agreement covers the permanent use of property located at the North Carolina National Guard Raleigh Armed Forces Reserved Center, Joint Force Headquarters Building and Claude T. Bowers Military Center. Portions of the subject property will be used for the purpose of administration of State Traffic Management Operations. This Agreement replaces the previous agreement approved by the Board of Transportation in October 2012.

Division 6

Town of Pembroke  
Robeson County  
Z-5400FR

This Agreement covers the installation of automatic warning devices and upgrades to approaches at the CSXT's municipal at-grade crossing on Vance Street (Crossing No. 631 002F) in Robeson County. The Department shall coordinate with CSXT to prepare plans and perform the installation of the automatic warning devices pursuant to the Master Agreement. The Municipality shall prepare the plans and perform any necessary approach work. CSXT shall be responsible for all maintenance of the warning devices. The Municipality will be responsible for the following: (1) reimbursing the Department for 10% of the actual cost of the warning device installation work, (2) 100% of any cost not reimbursed by Federal funds, and (3) 50% of the CSXT's cost of maintenance of the warning devices pursuant to GS 160A-298(c). The estimated cost of the project is \$325,000.

Fort Bragg Military Reservation  
Cumberland County  
X-0002CC  
35196.3.FS22

This Project consists of the construction of the Fayetteville Outer Loop from east of SR 1007 (All American Freeway) to east of US 401 (Ramsey Street) in Cumberland County. At the request of Fort Bragg Military Reservation, included in the construction of the Outer Loop will be the installation of interchange lighting at the interchange of the Fayetteville Outer Loop and Bragg Boulevard. The Military shall assume maintenance operations and shall be responsible for providing electrical service and paying bills for the lighting, at no expense to the Department.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 7

Norfolk Southern Railway  
Company (NSR)  
Guilford County

This Agreement covers NSR work, including preliminary engineering and providing railroad flagging, if needed, for intersection improvements within the operating railroad right-of-way on West Market Street (SR 1008) and Guilford College Road (SR 1546; MP K3.3 to K3.7) in Guilford County. The Agreement provides for encroachment by the City of Greensboro and the Department on the operating railroad right-of-way. The City of Greensboro will be responsible for all costs incurred by NSR. This is a City of Greensboro project on the State's secondary road system.

City of High Point  
Guilford County  
R-4701G  
36247.7.3

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

City of Greensboro  
Guilford County  
R-4701G  
36247.7.3

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

City of Burlington  
Alamance County  
R-4701G  
36247.7.1

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

Town of Chapel Hill  
Orange County  
R-4701G  
36247.7.4

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

NCDOT May 1, 2014 Board of Transportation Agenda

Division 7 cont.

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

This Project consists of reducing the northbound roadway cross section of Aycock Street north from Walker Avenue for approximately 450 feet, reconstructing wheelchair ramps on all four corners, pavement, signals, markings for crosswalks and stop bars and other channelization items in Guilford County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$138,400) from the TAP funds allocation. The Municipality will be responsible for providing the 20% (\$34,600) matching funds for the TAP funds authorized and all costs that exceed the total estimated cost.

Town of Jamestown  
Guilford County  
EB-5517  
50033.1.1  
50033.3.1

This Project consists of the construction of approximately 1400 feet of sidewalk along the North side of East Fork Road between the existing sidewalk and the existing Bicentennial Greenway Trail in Guilford County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$960,000) from the STP-EB funds allocation. The State will be responsible for providing the 20% (\$240,000) matching funds for the STP-EB funds authorized. Costs that exceed the total estimated cost will be borne by the Municipality.

Town of Jamestown  
Guilford County  
EB-5519  
50035.1.1  
50035.3.1

This Project consists of the construction of approximately 3150 feet of multi-use greenway along East Main Street between Yorkleigh Lane and the existing sidewalk east of Teague Drive in Guilford County. The Municipality is responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$536,000) from the STP-EB funds allocation. The Department will be responsible for providing the 20% (\$134,000) matching funds for the STP-EB funds authorized. Costs that exceed the total estimated cost will be borne by the Municipality.

Piedmont Triad Airport Authority  
Guilford County  
43512

This project consists of extending the existing taxiway "M" for the proposed Honda Aircraft Company expansion at Piedmont Triad International Airport. The PTAA is responsible for all phases of the project. The Department shall participate in an amount not to exceed \$1,500,000. The total estimated cost of the project is \$7,500,000.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 7 cont.

City of Greensboro  
Guilford County  
U-2525 B  
34821.3.S6

This Project consists of roadway improvements along Greensboro Eastern Loop from North of US 70 to US 29 in Guilford County. The Department shall prepare the environmental and/or planning document, project plans and specifications, construct the project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally owned utilities. At the request of the Municipality, the Department shall include in its contract the construction of sidewalk. The Municipality shall reimburse the Department 50% of the actual cost of the work. The estimated cost of the sidewalks is \$84,526.

City of Burlington  
Alamance County  
SR-5001AQ  
40924.1.27  
40924.2.11  
40924.3.42

This Project consists of the planning, design and construction of approximately 2,000 linear feet of sidewalk along the west side of Sellars Mill Road from Hanover Road to Richards Street, including the installation of approximately 4 curb ramps in Alamance County. This Supplemental Agreement modifies the original funding by adding \$29,773 of Safe Routes to School funds for the Project.

Division 8

City of Archdale  
Randolph County  
EB-3314F  
33935.1.FD6  
33935.2.FD6

This Project consists of the construction of high visibility crosswalks and pedestrian signal heads at the intersection of N. Main Street and Ashland Street/Balfour Drive in Randolph County. The Department shall be responsible for the PS&E package and letting the contract. The City of Archdale shall be responsible for all other aspects of the project. The Department shall participate up to a maximum amount of 80% (\$100,000) from the STP-EB funds allocation. The Department will be responsible for providing the 20% (\$25,000) matching funds for the STP-EB funds authorized. Costs that exceed the total estimated cost will be borne by the Municipality.

Town of Troy  
Montgomery County  
17BP.8.R.58

This Design-Build Project consists of the replacement of Bridge No. 610228 on SR 1320 (Williamson Street) over Suck Branch in Montgomery County. The Department shall prepare the environmental and/or planning document, Project plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 9

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

This Project consists of constructing bike lanes on Newsome Road on an existing, 2-lane, minor thoroughfare, in Rowan County. The Municipality shall be responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$1,117,000) from the CMAQ funds allocation. The Municipality shall be responsible for providing the 20% (\$279,250) matching funds for the CMAQ funds authorized and all costs that exceed the total estimated cost.

City of Winston Salem  
Forsyth County  
SR-5001CG  
40924.3.F83

The Project consists of Safe Routes to School funding for sidewalk improvements to serve Mineral Springs Elementary and Middle Schools in Winston Salem. The Municipality is responsible for all phases of the Project. The Department shall reimburse the Municipality 100% of the approved eligible costs covered under this Agreement up to the maximum federal award amount of \$500,000. The Municipality will be responsible for all costs that exceed the federal award amount.

City of Salisbury  
Rowan County  
C-4908E  
44008.1.F1  
44008.3.F1

This Project consists of the construction of sidewalks on Bringle Ferry Road from Long Street to Newsome Road in Rowan County. The Municipality shall be responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$238,920) from the CMAQ funds allocation. The Municipality shall be responsible for providing the 20% (\$59,730) matching funds for the CMAQ funds authorized and all costs that exceed the total estimated cost.

Winston Salem Forsyth County  
Board of Education  
Forsyth County  
36249.3357

This Project consists of paving various school parking lots within the Winston Salem Forsyth County School District in Forsyth County. The Department shall prepare the environmental and/or planning document, plans and specifications and shall construct and administer the project. The WS/FCBOE shall relocate and adjust all utilities and acquire any needed right of way. The WS/FCBOE shall reimburse the Department 100% of the actual cost of the work performed by the Department. The estimated cost to the WS/FCBOE is \$256,371.39.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 10

Land Trust for Central NC  
Stanly County  
B-4974  
39922.1.1

This Project consists of the rehabilitation of Bridge No. 51, over the Pee Dee River on the Stanly/Montgomery County line. Upon completion of the Project, the Department has agreed to transfer the ownership of Bridge # 51 to Land Trust thereby releasing the Department from any and all liability, damages, claims for damages and maintenance responsibilities associated with said bridge.

City of Charlotte  
Mecklenburg County  
C-5534  
51004.3.1

This Project consists of adding an additional left turn lane on Eastbound Ballantyne Commons Parkway (SR 4979) and a second left turn lane on Southbound Providence Road (NC 16) in Mecklenburg County. The Municipality shall be responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$1,113,000) from the CMAQ funds allocation. The Municipality shall be responsible for providing the 20% (\$381,000) matching funds for the CMAQ funds authorized and all costs that exceed the total estimated cost.

Town of Pineville  
Mecklenburg County  
B-5105  
42180.3.FD1

This Project consists of the replacement of Bridge No. 49 over Little Sugar Creek on SR 4982 in Mecklenburg County. The Department shall prepare the environmental and/or planning documents, Project plans and specifications, construct the Project, and acquire any needed right of way. At the request of the Municipality, the Department shall include in its contract the construction of sidewalks along South Polk Street (R 4982) in Pineville. The Municipality shall reimburse the Department 20% percent of the actual cost of the sidewalks, estimated at \$4,301. The total estimated cost for the sidewalks is \$21,506.

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

This Project consists of the construction of sidewalk on Oakwood Avenue from Windsor Drive to Rogers Lake Road in Cabarrus County. The Municipality shall be responsible for all phases of the Project. The Department shall allocate an amount not to exceed 80% (\$630,000) from the CMAQ funds allocation. The Municipality shall be responsible for providing the 20% (\$157,500) matching funds for the CMAQ funds authorized and all costs that exceed the total estimated cost.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 10 cont.

CSX Transportation Inc. (CSXT)  
Mecklenburg County  
P-5200

This Agreement covers a Bill of Sale Agreement wherein CSXT agrees to donate and the Department agrees to accept the building currently known as the Thrift Depot, located at 8030 Old Mount Holly Road in Charlotte. Upon the execution of this agreement, the Department will remove the building and clear the site thereof. Further, the Department will hold CSXT harmless from any liability that might arise from the removal of the building.

Charter Properties, Inc.  
Mecklenburg County  
W-5210H  
45340.3.FR8

This Project consists of improvements on US 29 north of Pavilion Boulevard (SR 5083) in Mecklenburg County, in conjunction with TIP Project W-5210H. The additional work includes the installation of (1) northbound right-turn lane and (1) southbound left-turn crossover north of Pavilion Boulevard (SR 5083) intersection. The Developer shall reimburse the Department actual cost for the additional work in the amount of \$260,623.

Division 11

Town of North Wilkesboro  
Wilkes County  
ER-2971 K  
3611.3.16

This Project consists of the construction of a new sidewalk along NC 18 from NC18/NC268 to Reynolds Road (NS) in Wilkes County. The Municipality shall be responsible for all phases of the Project. The Department shall participate in the actual construction costs of the Project in an amount not to exceed \$120,000 from Division Enhancement funds. Costs which exceed this amount shall be borne by the Municipality.

Town of Gamewell  
Caldwell County  
17BP.11.R.116

This Design-Build Project consists of the replacement of Bridge No. 77 over Lower Creek on CSR 1143 in Caldwell County. The Department shall prepare the environmental and/or planning document, project plans and specifications, construct the Project and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 12

Langtree Real Estate Group  
Iredell County  
I-4411  
35604.3.2

This Project consists of improvements at the intersection of I-77 and SR 1102 (Langtree Road) in Iredell County, in conjunction with TIP Project I-4411. The additional work includes widening and roundabout to include additional pavement width, associated shoulder work and island channelization along Langtree Road, Alcove Road and Mecklynn Road. The Developer shall reimburse the Department actual cost for the additional work in the amount of \$448,995.16. This Agreement supersedes the Agreement previously approved by the BOT on November 3, 2011.

Division 13

Town of Spruce Pine  
Mitchell County  
SR-5001 CJ  
40924.3.86

This Project consists of grading, drainage, curb and gutter and construction of sidewalk from the end of existing sidewalk at Deyton Elementary School to the end of maintenance at Brad Ragan Park in Mitchell County. The Department shall be responsible for all phases of the Project. Upon completion of the Project, the Municipality shall assume maintenance responsibilities for the sidewalk.

City of Marion  
McDowell County  
ER-2971 M  
3613.3.10

This Project consists of the installation of curb and gutter and sidewalk along the north side of US 70 (East Court Street) between 7<sup>th</sup> Street and the east side of Church Street in McDowell County. The Department is responsible for reviewing the existing plans, construction and contract administration. The Municipality is responsible for right of way, utilities and shall submit a check for \$27,000 to the Department's Division Engineer upon execution of Agreement.

Buncombe County  
ER-2971 M  
3613.3.09

This Project consists of the construction of sidewalk, curb and gutter and drainage improvements along US 19/23 from Asbury Road to a point +/- 1400' west in Buncombe County. The County shall acquire any needed right of way, and assume maintenance of sidewalk. The Department shall prepare the environmental and/or planning document, plans and specifications, relocate and adjust all utilities, administer and award the construction contract.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 13 cont.

City of Asheville  
Buncombe County  
ER-2971 M  
3613.3.11

This Project consists of the construction of sidewalk, curb and gutter and widening for turn lanes on NC 81 at Azalea Drive in Buncombe County. The Municipality shall acquire any needed right of way, and assume maintenance of sidewalk. The Department shall prepare the environmental and/or planning document, plans and specifications, relocate and adjust all utilities, administer and award the construction contract.

Town of Forest City  
Rutherford County  
43880.3.1

This Project consists of the construction of sidewalk that will extend along the south side of SR 2241 (Oak Street) from the end of existing sidewalk near Commercial Drive to the end of the existing curb and gutter just east of Allendale Drive in Rutherford County. The Department shall be responsible for the planning, design, construction and contract administration. The Municipality shall acquire any needed right of way, relocate and adjust all utilities in conflict with the Project and assume maintenance of sidewalk.

Division 14

Town of Waynesville  
Haywood County  
17BP.14.R.128

This Design-Build Project consists of the replacement of Bridge No. 102 over Plott Creek on SR 1173 in Waynesville. The Department shall prepare the environmental and/or planning document, project plans and specifications, acquire any needed right of way, relocate and adjust any municipally-owned utilities in conflict with the project and construct the project. At the request of the Municipality, the Department shall include in its contract the construction of sidewalk on the south side the Project. The estimated cost of the sidewalks is \$29,285. The Municipality shall reimburse the Department 30% of the actual cost of the sidewalk. The estimated cost to the Municipality is \$8,785.

NCDOT May 1, 2014 Board of Transportation Agenda

SUMMARY: There are a total of 25 agreements for informational purposes only.

Division 1

Perquimans County Board of  
Education  
Perquimans County  
44135

This Project consists of the widening of an existing bus driveway to a total width of 22 feet to allow two-way bus traffic, and construction of a 27 space gravel parking lot at Perquimans Central School in Perquimans County. The Department is responsible for all phases of the Project. The County shall reimburse the Department \$37,000 for the work. The estimated cost of the Project is \$47,000.

Town of Duck  
Dare County  
44134

This Project consists of drainage improvements along NC 12 and Gannett Lane in Dare County. The Municipality is responsible for all phases of the Project. The Department shall participate in the actual construction costs up to a maximum amount of \$5,600. Costs which exceed this amount shall be borne by the Municipality. The estimated cost of the Project is \$14,000.

County of Hertford  
36249.3356

This Project consists of the design and construction of a driveway entrance to new courthouse facility on Project R-2583, including 100-ft right turn lane in Hertford County. The Department is responsible for all phases of the Project. The County shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost is \$87,877.

Division 2

Walmart Stores, Inc.  
Pitt County  
36249.3349

This Project consists of the modification of existing traffic signal at intersection of NC 11/ 903 (Memorial Drive) and Thomas Langston Road/ Regency Boulevard to add dual northbound left turns in Pitt County. The Developer shall reimburse the Department 100% of the actual cost of said work. The estimated reimbursement to the Department for the review and inspection is \$6,000.

Town of Hookerton  
Greene County  
SR-5001BH  
40924.3.59

This Project consists of construction of sidewalk along the south side of Main Street, from the main entrance of Mount Calvary Christian Academy to the east side of Third Street in Greene County. This Supplemental Agreement extends the completion date for the Project to May 23, 2014 in lieu of December 31, 2013.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 2 cont.

Town of Cedar Point  
Carteret County  
2.101611

This Project consists of routine sweeping of the curb and gutter along 2.7 miles of NC 24 within the town limits of Cedar Point. The Department shall reimburse the Municipality for the actual cost of labor and equipment for each sweeping cycle performed annually, up to a maximum amount of \$1,620.

Division 3

Walmart Stores, Inc.  
Onslow County  
36249.3347

This Project consists of a new signal on US 258/NC 24 (Richlands Highway) and a proposed driveway 875 feet north of SR 1239 (Ervintown Road) in Onslow County. The Developer shall reimburse the Department 100% of the actual cost of review and inspection of said work. The estimated reimbursement to the Department is \$5,000.

Town of Oak Island  
Brunswick County  
36249.3350

This Project consists of the design, fabrication, and installation of two "Welcome to Oak Island" signs on NC 133 in Oak Island. The Municipality shall reimburse the Department 100% of the actual cost of said work. The estimated reimbursement to the Department is \$2,450. The Municipality shall be solely responsible for all maintenance and replacement costs associated with the signs.

Town of Wallace  
Duplin County  
43963

This Project consists of the installation of rail tracks in order to relocate an existing rail car and speeder outside the highway rights-of-way in Duplin County. The Municipality is responsible for all phases of the Project. The Department shall participate in actual construction costs in an amount not to exceed \$48,000. Costs which exceed this amount shall be borne by the Municipality.

Division 5

Pulte Group  
Wake County  
36249.3353

This Project consists of a signal upgrade associated with the proposed Village at the Park development on NC 55 at SR 1639 (Kit Creek Road) in Wake County. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of review and inspection of said work. The estimated reimbursement to the Department is \$5,000.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 5 cont.

Duke University Medical Center  
Durham County  
36249.3354

This Project consists of installing a new traffic signal at SR 1320 (Erwin Road) and Emergency Drive at Duke University Medical Center in Durham County. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of review and inspection of said work. The estimated reimbursement to the Department is \$5,000.

Wake County Public School  
System  
Wake County  
36249.3351

This Project consists of improvements at two existing traffic signals and building two new traffic signals due to the construction of the proposed H7 High School off of Roberts Road in Wake County. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of review and inspection of said work. The estimated reimbursement to the Department is \$5,000.

Wake County School Board  
Wake County  
36249.3352

This Project consists of installing a new traffic signal associated with the proposed Abbotts Creek Elementary School to be built on the proposed Dunn Road Extension in Wake County. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of review and inspection of said work. The estimated reimbursement to the Department is \$5,000.

Division 8

United States Golf Assoc.  
Moore County  
36249.3339

This Project consists of designing and producing four hundred (400) 2014 US Open trailblazer signs. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of the work performed by the Department. The estimated cost of the work is \$29,872.00.

Division 9

Rowan County  
U-5541  
46295

This Project consists of construction of a new access road off SR 2528 (Heilig Road) to serve the new Gildan Manufacturing plant in Rowan County. The Department shall be responsible for planning, design, construction and contract administration. The County shall acquire any needed right of way and/or easements, adjust and relocate utilities. The Department shall participate in the actual construction cost up to a maximum amount of \$583,000. Costs which exceed this amount shall be borne by the County. Upon completion, the County shall assume all maintenance and liability responsibilities.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 9 cont.

The Arden Group  
C/O Paul Williams  
Forsyth County  
36249.3355

This Project consists of a signal upgrade project for Signal #09-1262 (NC 66 at SR 2632 Old Salem Road) in Forsyth County. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of review and inspection of said work. The estimated reimbursement to the Department is \$5,500.

Davie County  
U-5540  
46279

This Project consists of the construction of a new access road off SR 1345 Interstate Drive to serve the new Gildan Manufacturing plant in Davie County. The Department shall be responsible for all phases of the Project. The Department shall participate in the actual construction cost up to a maximum amount of \$1,750,000. Costs which exceed this amount shall be borne by the County. Upon completion, the County shall assume all maintenance and liability responsibilities.

Catawba College Center for the  
Environment  
Rowan County  
C-4911  
44011.3.1

This Project covers the funding to work with Expansion of Air Quality Outreach Program to reduce ozone air pollution in Rowan County. This Supplemental Agreement provides for the completion date of the Project to be extended to December 31, 2014 in lieu of May 3, 2014.

Division 10

Town of Peachland  
Anson County  
10.200415

This Project covers the "routine" and/or "clean up" mowing of the State maintained roadways within the corporate limits of the Municipality. The Municipality shall provide the equipment, labor, materials and traffic controls to perform said mowing service. The Department shall reimburse the Municipality up to \$1,046.50 upon completion of the yearly mowing cycle.

Division 11

County of Surry  
36249.3268

This Project consists of fabricating and installing (13) "Welcome to Surry County" signs at various locations in Surry County. The County shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost to the County is \$19,100.

NCDOT May 1, 2014 Board of Transportation Agenda

Division 11 cont.

County of Surry  
Triumph Club of the Carolinas  
Surry County

This Project consists of closing SR 2026 (Radar Road) for the Sports Car Hill Climb Race on September 11, 2014 in Surry County. The Department will allow this section of SR 2026 to be closed to normal vehicular traffic for the duration of the race, the County will provide uniformed officers to direct traffic and prevent motorists from entering the closed area and the Club will assume responsibility for damages to this section of SR 2026.

Wilkes County  
S-5504  
55061.1.1  
55061.3.1

This Project consists of the benefiting the byway traveler by providing directional wayfinding signage to points of interest along the byway in Wilkes County. This Supplemental Agreement provides for the completion date of the Project to be extended to November 30, 2014 in lieu of July 2, 2014.

Town of Elkin  
Caldwell County  
S-5503  
55060.1.1  
55060.3.1

This Project consists of implementing a comprehensive signage and wayfinding program throughout the 65-mile corridor by fabrication and installing a consistent design for gateway features, route markings and wayfinding in Caldwell County. This Supplemental Agreement provides for the completion date of the Project to be extended to November 30, 2014 in lieu of July 2, 2014.

Division 14

Blue Ridge Foundation  
Haywood County  
S-5105  
45519.1.1  
45519.3.1

This Project consists of the enhancement of an existing overlook and trail system at milepost 418 of Blue Ridge Parkway All-American Road known as "Graveyard Fields" in Haywood County. This Supplemental Agreement provides for the completion date of the Project to be extended to March 20, 2015 in lieu of November 30, 2013.

Western North Carolina  
Healthcare, LLC  
Henderson County  
36249.3346

This Project consists of developing signal plans and installing poles and foundations for a new signal in Fletcher at the Buncombe /Henderson County line. The Developer shall reimburse the Department one hundred percent (100%) of the actual cost of review and inspection of said work. The estimated reimbursement to the Department is \$10,000.

**NCDOT May 2014 Board of Transportation Agenda**

**Approval of Municipal Street System Changes**

**Deletions from the State Highway System**

<b>Division</b>	<b>County</b>	<b>Municipality</b>	<b>Road</b>	<b>Termini</b>	<b>Length</b>
6	Robeson 2014_05_M001	Lumberton	SR 1536	To delete (SR 1536) Water Street from NC 72 to SR 1600	0.16

**NCDOT May 2014 Board of Transportation Agenda**

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

**Preliminary Right of Way Plans**

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

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

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

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

**(Division 3)**

**New Hanover County; I.D. No. B-5103; Project No. 42238.2.FD1:**

Bridge No. 35 over abandoned railroad on SR 1627 (3<sup>rd</sup> Street) in Wilmington

**(Division 6)**

**Cumberland County; I.D. No. W-5206AA; Project No. 45336.2.FR27:**

NC 59 – (Main Street / Hope Mills Road) from SR 1112 (Rockfish Road) to SR 1003 (Camden Road)

**Cumberland County; I.D. No. W-5206AC; Project No. 45336.2.FS29:**

US 401 (Ramsey Street) at SR 1607 (Elliott Bridge Road)

**(Division 7)**

**Orange County; I.D. No. W-5143; Project No. 45267.2.FD1:**

SR 1004 (Efland-Cedar Grove Road) from North of the intersection with SR 1332 (Highland Farm Road)

**(Division 11)**

**Surry County; I.D. No. BD-5111X; Project No. 45357.2.FD24:**

Bridge No. 95 over Champ Creek on SR 1742

Preliminary Right of Way Plans (continued)

(Division 11 continued)

Yadkin County; I.D. No. BD-5111W; Project No. 45357.2.FD23:  
Bridge No. 2 over Turner Creek on SR 1716

(Division 14)

Haywood County; I.D. No. I-5508; Project No. 55057.2.FS1:  
I-40 near Milepost No. 7

PRELIMINARY RIGHT OF WAY PLANS

7 PROJECTS

\$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. 38520.2.1; Franklin County; I.D. No. B-4748:**

Grading, drainage, paving and structure on Bridge No. 2 over Horse Creek on SR 1147 with the right of way indicated upon the final plans for said project.

**(Division 12)****Project No. 34497.2.8; Cleveland County; I.D. No. R-2707B:**

Grading, drainage, paving, structure and culvert on US 74 (Shelby Bypass) from East of SR 1315 (Plato Lee Road) to East of NC 226 with the right of way indicated upon the final plans for said project.

**(Division 14)****Project No. 33627.2.1; Transylvania County; I.D. No. B-4288:**

Drainage, grading, structure and paving on Bridge No. 85 over East Fork French Broad River on SR 1107 with the right of way indicated upon the final plans for said project.

**Project No. 34599.3.1; Haywood County; I.D. No. R-4047:**

Grading, drainage, paving, signals, structure, culvert, retaining wall and rail realignment on NC 209 from US 23 Business to North of SR 1523 (Old Clyde Road) with the right of way indicated upon the final plans for said project.

**FINAL RIGHT OF WAY PLANS****4 PROJECTS****\$0.00**

**Revisions of the Final Right of Way Plans**

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

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

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

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

**(Division 3 / 6)****Project No. 34416.2.3; I.D. No. R-2303B; Sampson / Cumberland Counties:**

Final Right of Way plans approved on the minutes of the June 6, 2013 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 8 as presented at the May 1, 2014 Board of Transportation Meeting.

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

Final Right of Way plans approved on the minutes of the July 12, 2012 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 4 as presented at the May 1, 2014 Board of Transportation Meeting.

**(Division 7)****Project No. 34924.2.4; I.D. No. U-3326A; Rockingham County:**

Final Right of Way plans approved on the minutes of the January 5, 2012 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 20 as presented at the May 1, 2014 Board of Transportation Meeting.

Revisions of the Final Right of Way Plans (continued)

**(Division 8)**

**Project No. 34542.2.5; I.D. No. R-3421C; Richmond County:**

Final Right of Way plans approved on the minutes of the February 6, 2014 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 23 as presented at the May 1, 2014 Board of Transportation Meeting.

**(Division 10)**

**Project No. 43219.2.STR09P5208F; I.D. No. P-5208F; Cabarrus County:**

Final Right of Way plans approved on the minutes of the May 2, 2013 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 5 as presented at the May 1, 2014 Board of Transportation Meeting.

**(Division 11)**

**Project No. 38616.2.1; I.D. No. B-4846; Wilkes County:**

Final Right of Way plans approved on the minutes of the February 6, 2014 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 4 as presented at the May 1, 2014 Board of Transportation Meeting.

**(Division 13 / 14)**

**Project No. 46292.2.1; I.D. No. I-5501; Buncombe / Henderson Counties:**

Final Right of Way plans approved on the minutes of the March 6, 2014 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 4 as presented at the May 1, 2014 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 4)**

**Project 4C.096018 (36109.80.20), Parcel 047, US 117 near Goldsboro  
Wayne County**

Conveyance of an approximate 0.067-acre residue area to Robert B. Moore, Jr., the only interested adjacent owner, for the appraised value of \$275.00.

**CONVEYANCE RESIDUE CORRECTION**

**1 PROJECT**

**\$275.00**

**Approval of Revision in Control of Access**

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

**(Division 12)**

**Project 8.1810105 (36109.80.20), Parcel R-0212BC 070, US 321 South of CSX  
Railroad to North of NC 27-150 East of Lincolnton  
Lincoln County**

Grant of a revision in the existing control of access to Skygroup Carolinas, LLC for a 100 foot break along NC 27/NC 150 directly across from the northbound ramps of US 321, for no consideration.

CONVEYANCE C/A REVISION	1 PROJECT	\$0.00
-------------------------	-----------	--------

<b><u>R-ITEM SUMMARY</u></b>	<b>20 PROJECTS</b>	<b>TOTAL: \$275.00</b>
------------------------------	--------------------	------------------------

**NCDOT May 2014 Board of Transportation Agenda**

**No Items for  
Approval of Highway Needs Allocations**

April 10, 2014

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

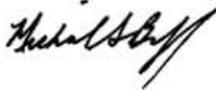
The Transportation Planning Branch has worked cooperatively with the town of Mount Olive on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by Mount Olive on March 3, 2014, Calypso on March 10, 2014 and Wayne County on April 15, 2014. Endorsement by the Eastern Carolina RPO is expected but is pending due to scheduling issues.

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

The Transportation Planning Branch recommends the mutual adoption of the Mount Olive Comprehensive Transportation Plan as shown on the attached map dated January 14, 2014.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Bruff".

Mike Bruff, P.E.  
Manager, Transportation Planning Branch

Attachment

May 1, 2014

**Adopted by:**

Town of Mount Olive  
Date: March 3, 2014

Town of Calypso  
Date: March 10, 2014

Wayne County  
Date: April 15, 2014

Duplin County  
Date: March 17, 2014

NCDOT  
Date:

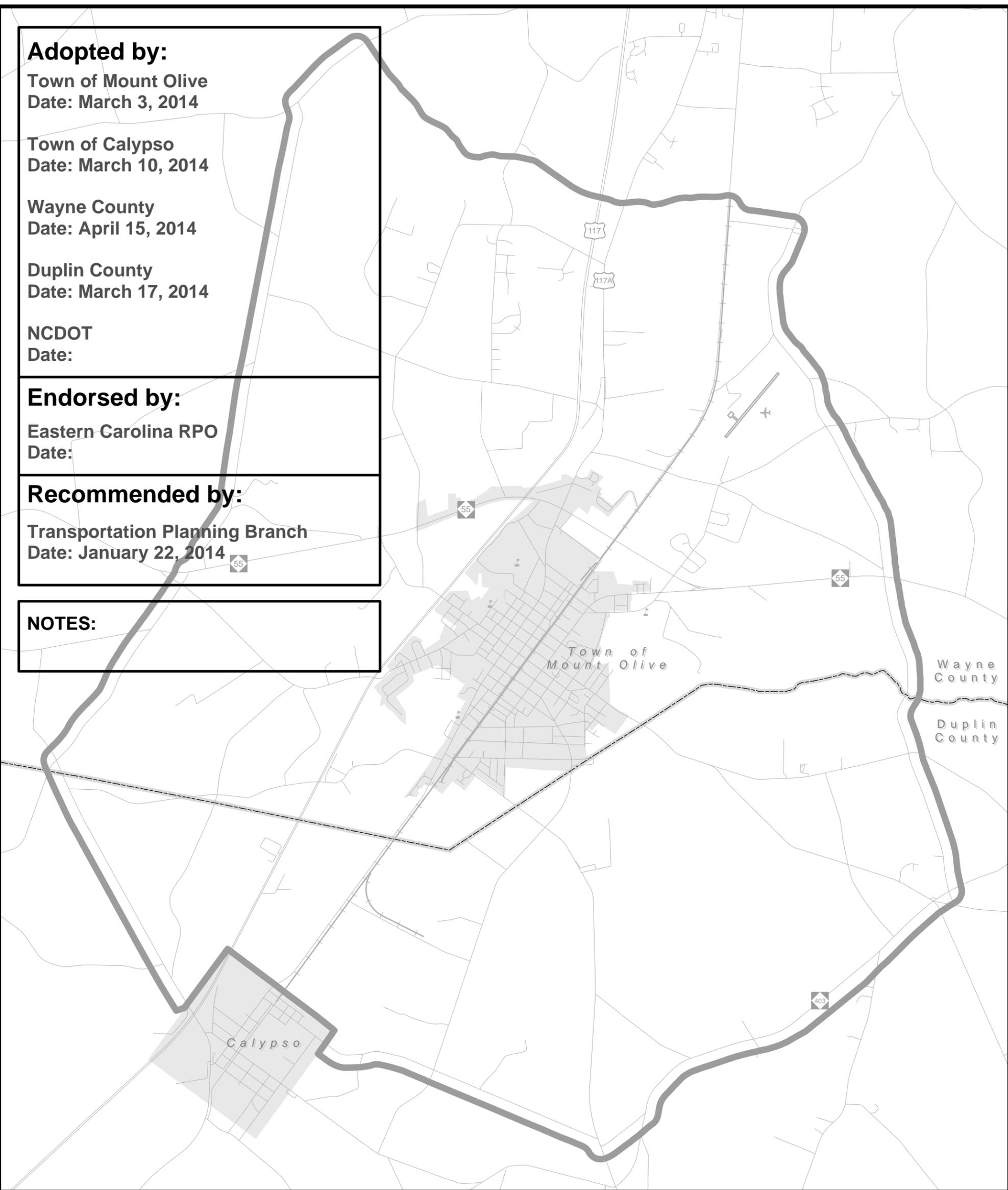
**Endorsed by:**

Eastern Carolina RPO  
Date:

**Recommended by:**

Transportation Planning Branch  
Date: January 22, 2014

**NOTES:**



Sheet 1 Adoption Sheet

Sheet 2 Highway Map

Sheet 3 Public Transportation and Rail Map

Sheet 4 Bicycle Map

Sheet 5 Pedestrian Map

**Legend**

-  Roads
-  Railroads
-  Schools
-  Airports
-  County Boundary
-  Planning Area Boundary
-  Municipal Boundary



Figure 1 -- Sheet 1 of 5

Base map date: July 31, 2012

Refer to CTP document for more details

**Adoption Sheet**



**Mount Olive**

RECOMMENDED  
North Carolina

**Comprehensive  
Transportation Plan**

Plan date: January 14, 2014

April 11, 2014

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

The Transportation Planning Branch has worked cooperatively with Beaufort County on the development of a Comprehensive Transportation Plan (CTP). The plan has been adopted by the county, the towns of Aurora, Bath, Belhaven, Chocowinity, Pantego, Washington Park and the city of Washington. Endorsement by the Mid-East RPO is expected, but is pending due to scheduling issues.

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

The Transportation Planning Branch recommends the mutual adoption of the Beaufort County Comprehensive Transportation Plan as shown on the attached map dated October 17, 2013.

Sincerely,



Mike Bruff, P.E.  
Manager, Transportation Planning Branch

Attachment

May 1, 2014

**Adopted by:**

Town of Aurora  
Date: December 2, 2013

Town of Bath  
Date: January 13, 2014

Town of Belhaven  
Date: January 27, 2014

Town of Chocowinity  
Date: January 7, 2014

Town of Pantego  
Date: December 9, 2013

Town of Washington Park  
Date: December 2, 2013

City of Washington  
Date: December 9, 2013

Beaufort County  
Date: March 10, 2014

NCDOT  
Date:

**Endorsed by:**

Mid-East RPO  
Date: Pending

**Recommended by:**

Transportation Planning Branch  
Date: April 11, 2014

**NOTES:**



**Beaufort County**

North Carolina

**RECOMMENDED  
Comprehensive  
Transportation Plan**

Plan date: October 17, 2013

Sheet 1 **Adoption Sheet**

Sheet 2 **Highway Map**

Sheet 3 **Public Transportation  
and Rail Map**

Sheet 4 **Bicycle Map**

Sheet 5 **Pedestrian Map**

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



Sheet 1 of 5

Base map date: July 2011

Refer to CTP document for more details



# North Carolina Transportation Network

## Board of Transportation Briefing

April 30, 2014

# Briefing Topics

- Continuing Development of NC Transportation Network and Strategic Transportation Corridors
- Opportunities for public input

# RELATIONSHIP OF NCTN TO OVERALL TRANSPORTATION VISION

- Strategic Transportation Investments and Prioritization 3.0 will define NC transportation spending
- The 25 year implementing vision will be a long range vision for Strategic Transportation Investments by creating guiding principles to leverage infrastructure investments to grow the economy
- NC Transportation Network (NCTN) and Strategic Transportation Corridors (STC) define how we achieve that vision

# ACHIEVING THE STI VISION

By working with stakeholders, NCDOT is:

- Defining the role of NC's transportation system in providing mobility and land access, within a consistent modal framework (**NCTN**)
- Identifying a network of strategic multimodal corridors that link significant activity centers, serve as critical corridors for statewide goods and person movement, and ensure system continuity (**STCs**)

Tools will support Comprehensive Transportation Plans, project development, access management, and design standards.

# NCTN REFINEMENT:

- PRODUCTS
- STRUCTURE

# NCTN PRIMARY PRODUCTS

1. Updated NCTN definitions:
  - Expanded to include all modes
  - Objective, based on available data
2. Enhanced modal databases:
  - Defining NCTN tiers
  - Assigning STC and other attributes
  - Designed for ongoing use
3. NCTN maps accessible from ncdot.gov

Goal: To support regional planning, project development and asset management

# NCTN STRUCTURE AND DEFINITIONS

1. Builds upon a set of non-modal mobility/land-access definitions
2. Reflects both infrastructure (e.g., highways, rail lines, ports) and services (e.g., transit, rail passenger)
3. Retains original three tiers:
  1. Statewide – supporting high-value inter-regional movement with higher-speed, reliable facilities and services
  2. Regional – serving major intra-regional movements of people and goods
  3. Sub-regional – supporting land access and local travel
4. Avoids direct linkage to strategic corridors as part of definitions

# STRATEGIC CORRIDOR IDENTIFICATION AND STRATIFICATION

# STRATEGIC CORRIDORS VISION & GOALS

Strategic Corridors framework consists of:

1. Vision
2. System goals
  - Promote economic prosperity
  - Provide reliable, higher-speed mobility
  - Provide system connectivity

## STC Vision and Goals

**Strategic Corridors Vision:** to provide North Carolina with a network of high-priority, multimodal transportation corridors and facilities that connect statewide and regional activity centers, to enhance economic development, promote highly-reliable, efficient mobility and connectivity, and support good decision-making.

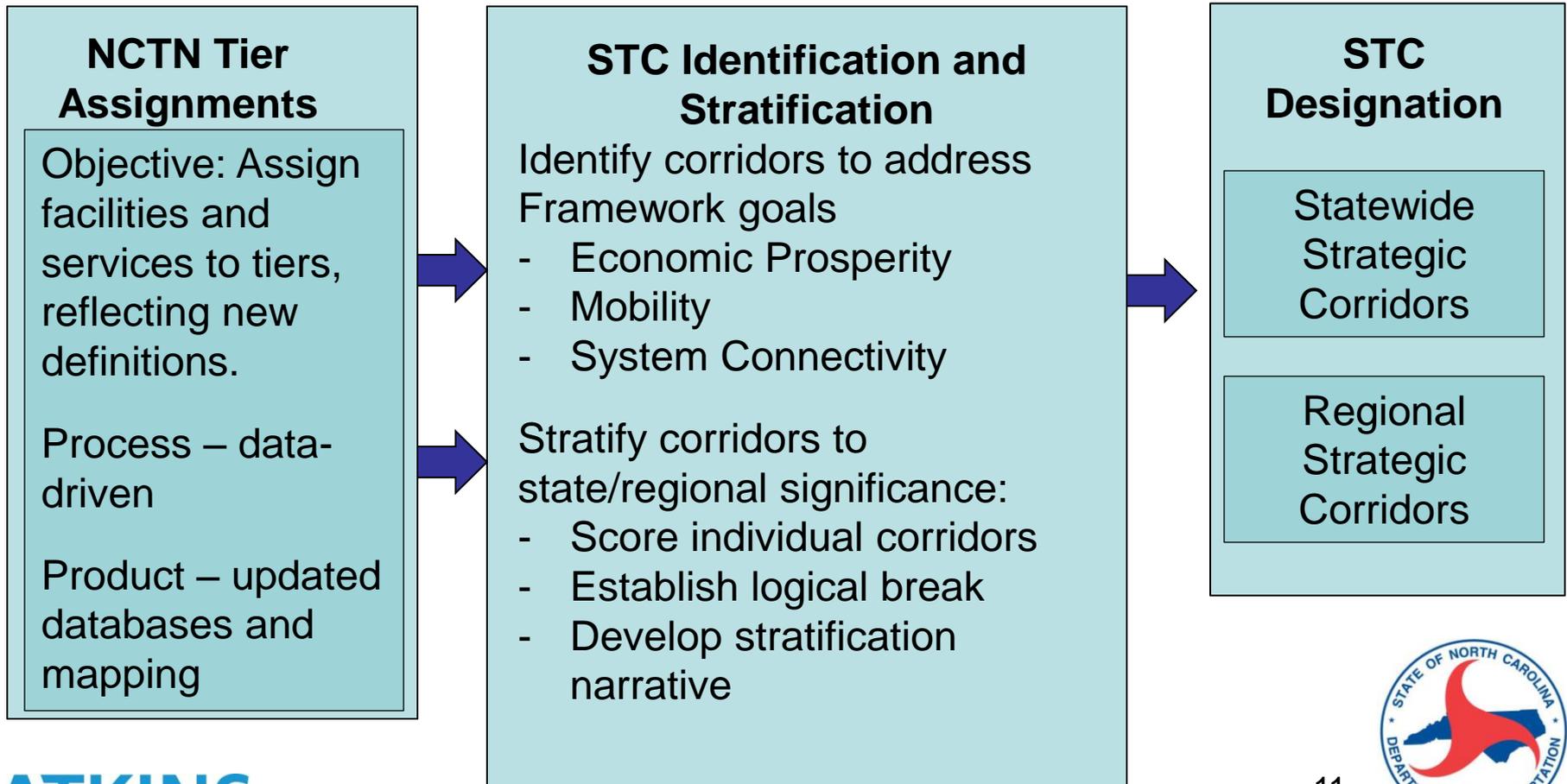
### Strategic Corridor Goals:

- *Economic prosperity:* invest NC's transportation resources to maximize economic opportunity.
- *Mobility and connectivity:* promote efficient, reliable movement of people and goods between activity centers of statewide or regional strategic significance
- *Decision making:*
  - Preserve and enhance natural and cultural resources by maximizing the use of the existing transportation infrastructure to improve quality of life and ensure safety related to transportation activity
  - Identify long-term high-priority investment needs to achieve Strategic Corridors Vision

# STC PRODUCTS

1. Network of statewide and regionally-significant multimodal corridors defined by specified criteria.
2. STC descriptions to aid other NCDOT activities
  - Primary corridor purpose(s)
  - Corridor description, including modal facilities and services
  - Facility conditions
3. Improvement Needs/Screening Analysis
  - Investment needs: mobility challenges and system gaps
  - Benefits/risks: environmental challenges; economic benefits; risk threats
  - High-level Problem Statement

# STC IDENTIFICATION & STRATIFICATION PROCESS



# STAKEHOLDER INVOLVEMENT, SO FAR

- Internal:
  - Policy: Board Economic Development Committee
  - Programmatic: Sr. Management Committee
  - Technical: Steering Committee (includes MPO/RPO)
- External: Advisory Group
  - Other State Agencies
  - Transportation providers
  - Economic development organizations

# COMING STAKEHOLDER INVOLVEMENT

## Regional Meetings:

- Purpose – offer opportunity for regional stakeholders to offer input on corridors
- Invited: local officials (through TACs); regional economic developers; transportation providers
- 8 meetings

# COMING STAKEHOLDER INVOLVEMENT

## Regional Meetings:

1. May 7: Edenton & Kinston
2. May 12: Kernersville & Kannapolis
3. May 13: Wake Forest & Lumberton
4. May 19: Sylva
5. May 20: Morganton

# UPCOMING BOARD SCHEDULE:

After regional meetings:

- June/July – ED&IR Committee update of regional meetings results
- August – Recommended STCs to ED&IR for approval, ED&IR to full BOT
- September – Full BOT lunch-n-learn if needed
- October – Full BOT adoption of STC

## AFTER BOARD'S STC ADOPTION:

Analyze STCs for major high-level improvement needs:

- System continuity
- Deficiencies (capacity, speed, facility or service type)

Needs addressed through CTPs, corridor studies, access management, programming

# QUESTIONS?

Kerry Morrow, NCDOT [kmorrow@ncdot.gov](mailto:kmorrow@ncdot.gov)

Mark Boggs, PE, Atkins [mark.boggs@atkinsglobal.com](mailto:mark.boggs@atkinsglobal.com)

**DBE/MB/WB LETTING SUMMARY**

Federal Contract Awards Summary

Oct 2013 let through Apr 2014 let

Federal Fiscal Year 2013/2014

	Value Of Contract	DBE Goals Set		DBE Participation Submitted		DBE Participation Split			
						MB		WB	
						\$	%	\$	%
Monthly	<b>332,751,636.63</b>	<b>51,637,243.30</b>	<b>15.5</b>	<b>49,762,683.50</b>	<b>13.6</b>	<b>5,495,457.00</b>	<b>1.7</b>	<b>44,267,226.50</b>	<b>13.3</b>
FY to Date	<b>912,298,107.61</b>	<b>102,618,866.40</b>	<b>11.2</b>	<b>99,927,909.57</b>	<b>10.6</b>	<b>19,192,799.90</b>	<b>2.1</b>	<b>80,735,109.40</b>	<b>8.8</b>

State Contract Awards Summary

Jul 2013 let through Apr 2014 let

State Fiscal Year 2013/2014

	Value Of Contract	MB Goals Set		MB Participation Submitted		WB Goals Set		WB Participation Submitted	
		\$	%	\$	%	\$	%	\$	%
		Monthly	<b>35,198,650.91</b>	<b>1,348,194.83</b>	<b>3.8</b>	<b>1,076,771.94</b>	<b>3.1</b>	<b>2,448,485.75</b>	<b>7.0</b>
FY to Date	<b>324,736,863.14</b>	<b>14,220,467.13</b>	<b>4.4</b>	<b>11,727,751.54</b>	<b>3.6</b>	<b>17,652,933.97</b>	<b>5.4</b>	<b>18,064,122.17</b>	<b>5.6</b>

Letting Date(s): April 3, 15

Award Date: May 1, 2013

Award Subject to Secretary's Approval

LETTING DATES: April 3, 15, 2014  
 AWARD DATE: May 1, 2014

April 3, 2014			ADVERTISED GOALS SET			PARTICIPATION SUBMITTED			GOOD FAITH EFFORT AWARDED		AWARDED BY SECRETARY		
PROJECT NUMBER	COUNTY	TYPE OF WORK	LOW BIDDER	DBE %	MB %	WB %	DBE %	MB %	WB %	YES	NO	YES	NO
34429.3.S8, 42345.3.2, 42345.3.FS1 STATE FUNDED, NHF-0073(25) R-2413A, R-2413B, I-5110 C203433	GUILFORD	DESIGN BUILD.	FLATIRON CONST INC-BLYTHE DEV	13.0			13.0						X
36780.3.FS1 NHMF-85-2(77)55 I-3802A C203328	ROWAN, CABARRUS	DESIGN-BUILD	BLYTHE CONSTRUCTION, INC.	16.0			16.0						X
April 15, 2014			ADVERTISED GOALS SET			PARTICIPATION SUBMITTED			GOOD FAITH EFFORT AWARDED		AWARDED BY SECRETARY		
38520.3.FD1 BRZ-1147(10) B-4748 C203390	FRANKLIN	GRADING, DRAINAGE, PAVING, AND STRUCTURE.	DANE CONSTRUCTION, INC.	9.0			9.0						X
5C.093067, 5CR.10351.14, etc. C203542	WARREN, FRANKLIN	MILLING RESURFACING & SHOULDER RECONSTRUCTION.	S. T. WOOTEN CORPORATION		5.0	5.0		5.0	5.0				X
5CR.10911.13, 5CR.20911.13 C203543	VANCE	MILLING RESURFACING & SHOULDER RECONSTRUCTION.	S. T. WOOTEN CORPORATION		5.0	6.0		5.0	6.0				X
10CR.10041.49, 10CR.10041.50, etc. C203511	ANSON	WIDENING, AND RESURFACING.	BARNHILL CONTRACTING COMPANY		5.0	6.0		5.0	6.0				X
10CR.10131.37, 10CR.20131.105, etc. C203541	CABARRUS	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	BLYTHE CONSTRUCTION, INC.		5.0	6.0		5.0	6.0				X
10CR.10901.37, 10CR.10901.38, etc. C203531	UNION	MILLING, WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.	BLYTHE CONSTRUCTION, INC.		5.0	6.0		5.0	6.0				X
17BP.11.R.56 C203508	SURRY	GRADING, DRAINAGE, PAVING & STRUCTURES.	SMITH-ROWE, LLC		3.0	5.0		0.3	5.0	X			X
33627.3.FD1 BRZ-1107(9) B-4288 C202778	TRANSYLVANIA	GRADING, DRAINAGE, PAVING, AND STRUCTURE.	NHM CONSTRUCTORS, LLC	9.0			9.0						X
17BP.11.R.115 C203509	YADKIN, SURRY	DESIGN BUILD.	SMITH-ROWE, LLC		2.0	7.0		0.5	7.0	X			X
17BP.13.R.150 C203510	BURKE, RUTHERFORD, MCDOWEL	DESIGN BUILD.	R.E. BURNS & SONS CO., INC.		2.0	7.0		2.0	7.0				X

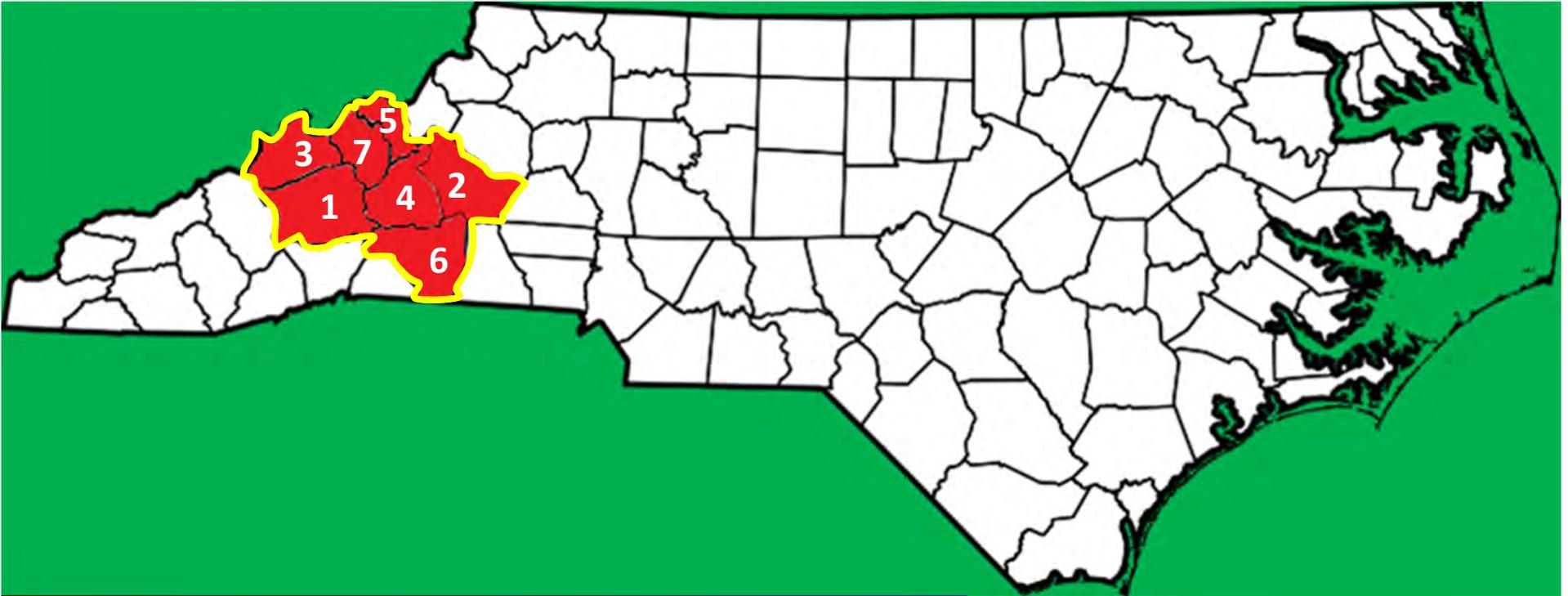
# DIVISION 13 UPDATE

David L. Brown

May 1, 2014



*Shirley Mixed Poppies, US 19/23, Exit 24, Elk Mountain Rd, Buncombe Co.*



**NCDOT Division 13 encompasses seven counties:**

1. Buncombe
2. Burke
3. Madison
4. McDowell
5. Mitchell
6. Rutherford
7. Yancey



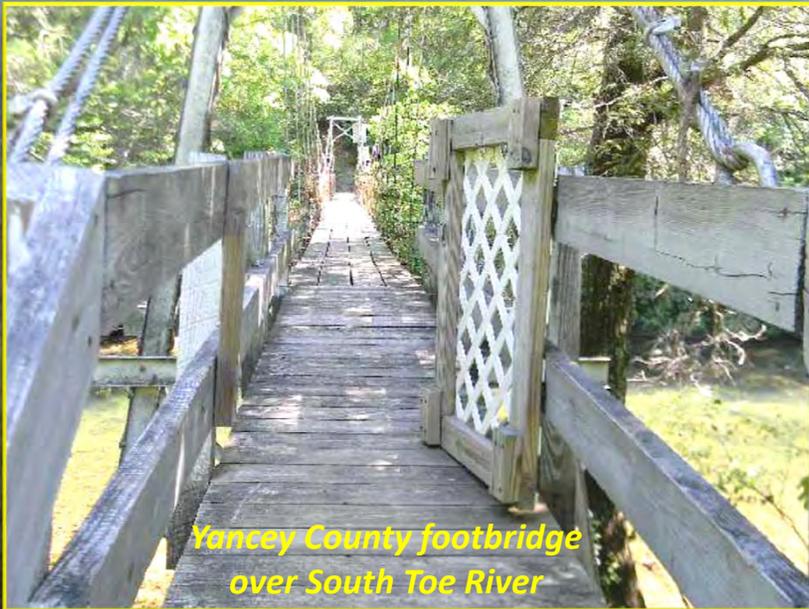
**Population (2010 Census) 496,199**

**Tourism revenue (2012) \$1.2 Billion**

**Division 13 maintains 5117 road miles.**

**Division 13 has 1585 bridges, more than any other Division.**

*View of Black Mountains from Bolens Creek in Yancey County*



*Yancey County footbridge  
over South Toe River*



*Capt. Jeff Bowen Bridge  
Buncombe County*

**Division 13 has a dozen footbridges.**

# Division 13's Mountainous Counties

## Madison, Yancey & Mitchell

*Mount Mitchell,  
Yancey County*



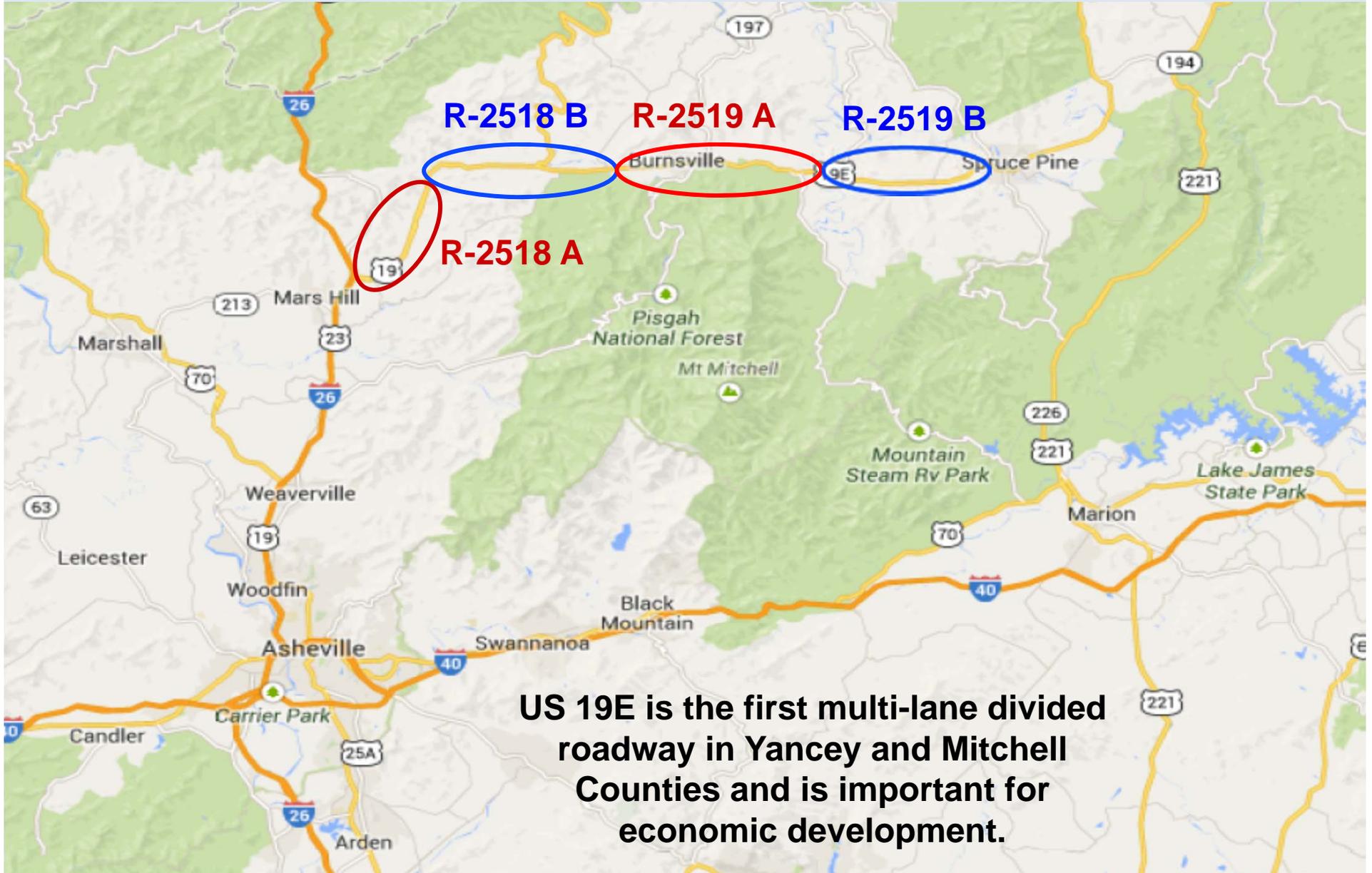
*Mitchell County  
Historic Courthouse  
Bakersville, NC*

**Madison County Courthouse  
Marshall, NC**



# US 19 E Corridor Transportation Projects

## Madison, Yancey & Mitchell Counties







# TOURISM in the MOUNTAINS

Hiking the Appalachian Trail  
through Madison, Yancey and Mitchell Counties



*Hikers enjoying the view*

*Appalachian Trail over Max Patch*

# Tourism in the Mountains



# Tourism in the Mountains

*Whitewater rafting,  
French Broad River*



# Tourism in the Mountains



# *Mountain Ramp Festivals*



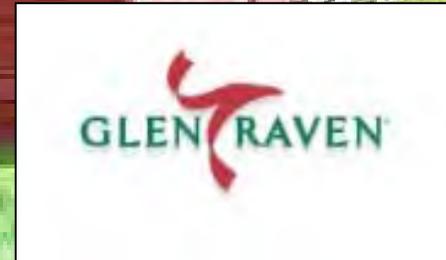
*Ramps* are an early spring vegetable, a perennial wild onion, with a strong garlic-like odor and a pronounced onion flavor.

*Ramps* are popular in the cuisines of the rural uplands of the American South.

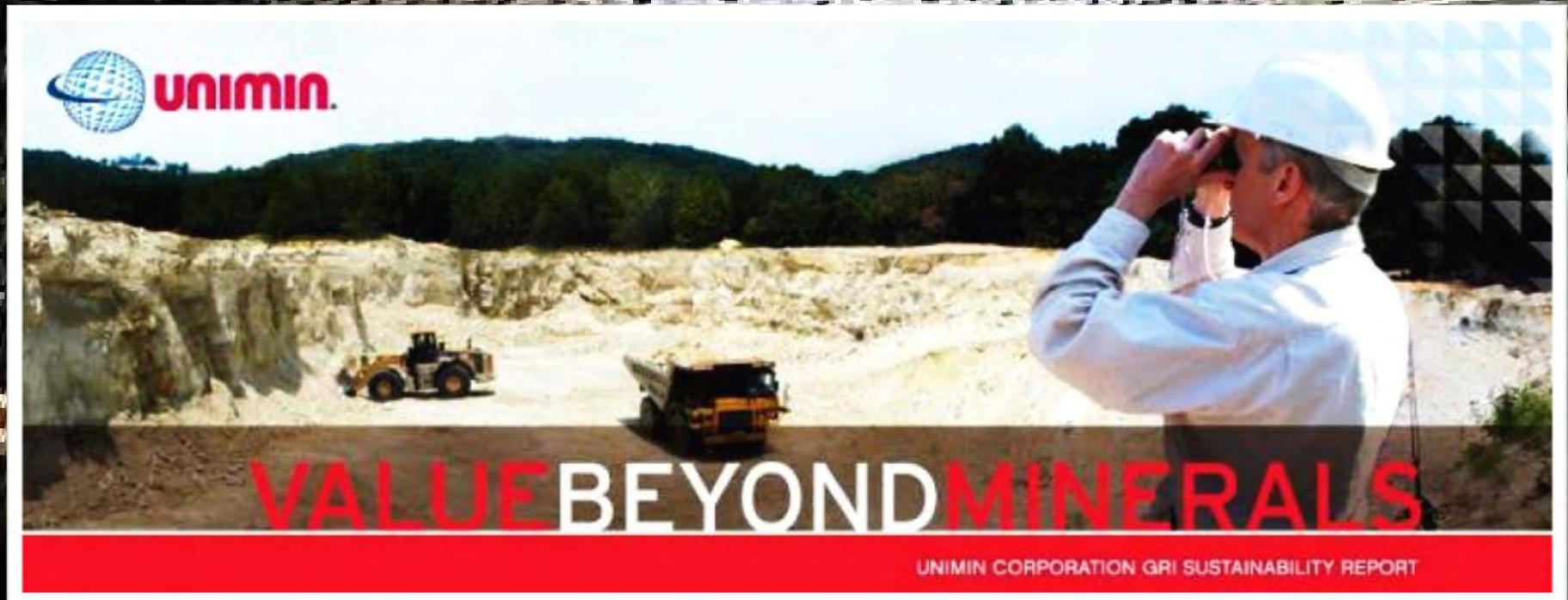
# Madison County Major Employers



# Yancey County Major Employers



# Mitchell County Major Employers



# Division 13 Mountain Challenges

## Madison, Yancey & Mitchell Counties



# Division 13 Mountain Challenges

## Madison, Yancey & Mitchell Counties



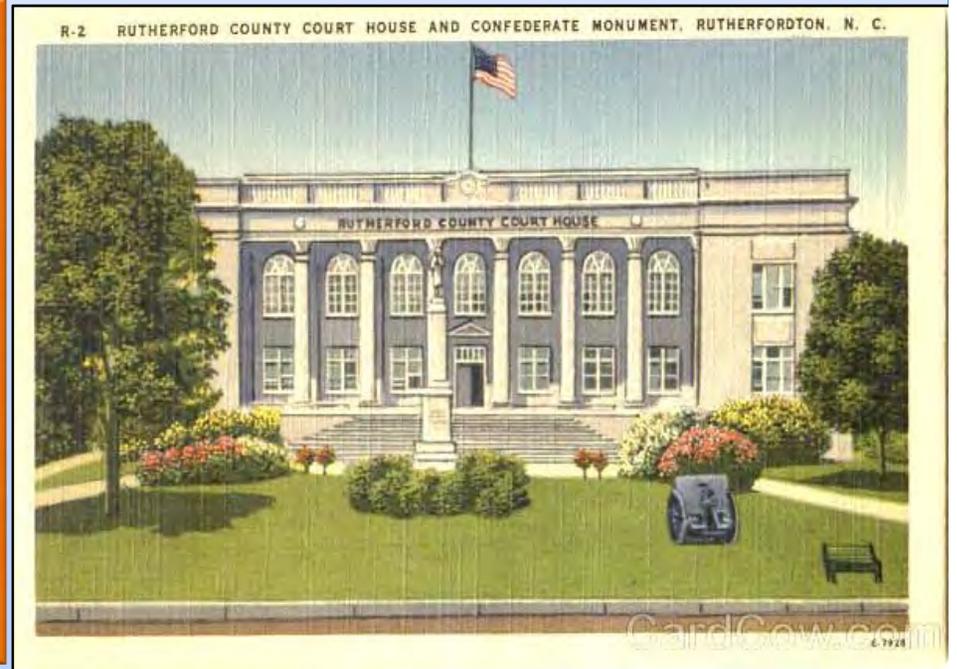




# McDowell & Rutherford Counties



McDowell County Courthouse  
Marion



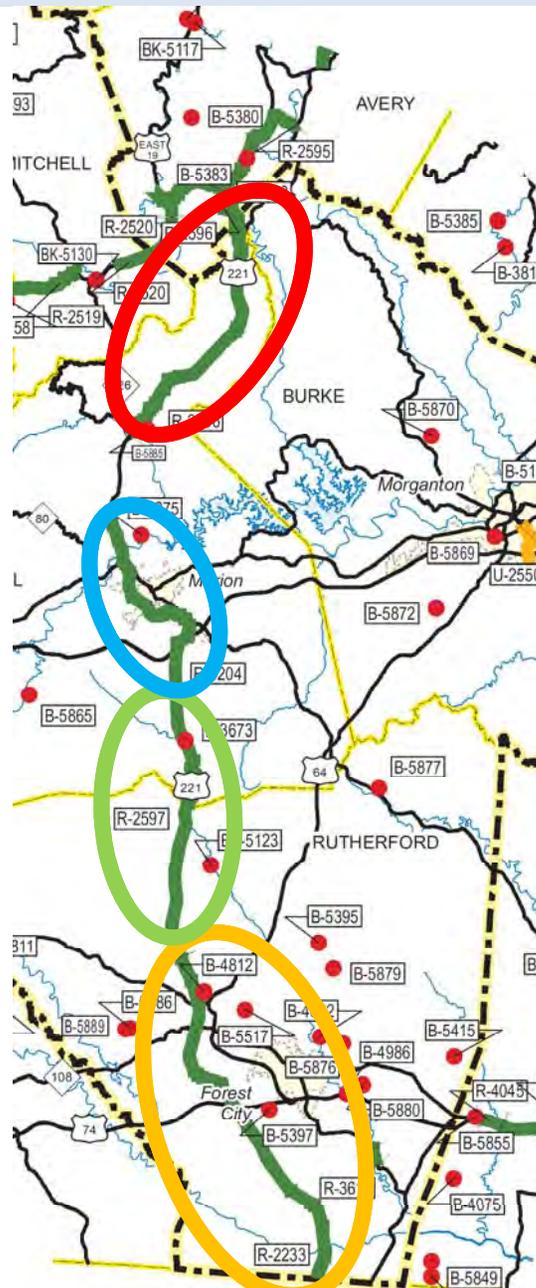
Rutherford County Courthouse  
Rutherfordton

# US 221 Corridor Transportation Projects

In Division 13 the US 221 strategic highway corridor runs through Rutherford and McDowell Counties, mostly as a two lane roadway.

There are several STIP projects that propose to multilane this facility.

Portions of R-2233 are currently under construction.



R- 2596

R-0204

R 2597

R-2233

**R-2233**    **US 221 Rutherford County**



# Rutherford County Major Employers



**TIMKEN**

**HORSEHEAD CORPORATION**  
*Leading the World in Zinc Recycling*

**RUTHERFORD REGIONAL HEALTH SYSTEM**

**AGI in Store**

**AMERICAN GREETINGS**

**ingles**

**Walmart**  
Save money. Live better.



## Horsehead NC Zinc Plant

Image # 130420 0018  
Aero Date : 04.20.2013  
Photo 888.542.0231

Horsehead industrial site access: Hicks Grove Road realignment



# Rutherford County Tourism



*Chimney Rock  
State Park*



***Lake Lure Flowering Bridge***

*Lake Lure  
Flowering Bridge*



# McDowell County Major Employers



**Baxter**



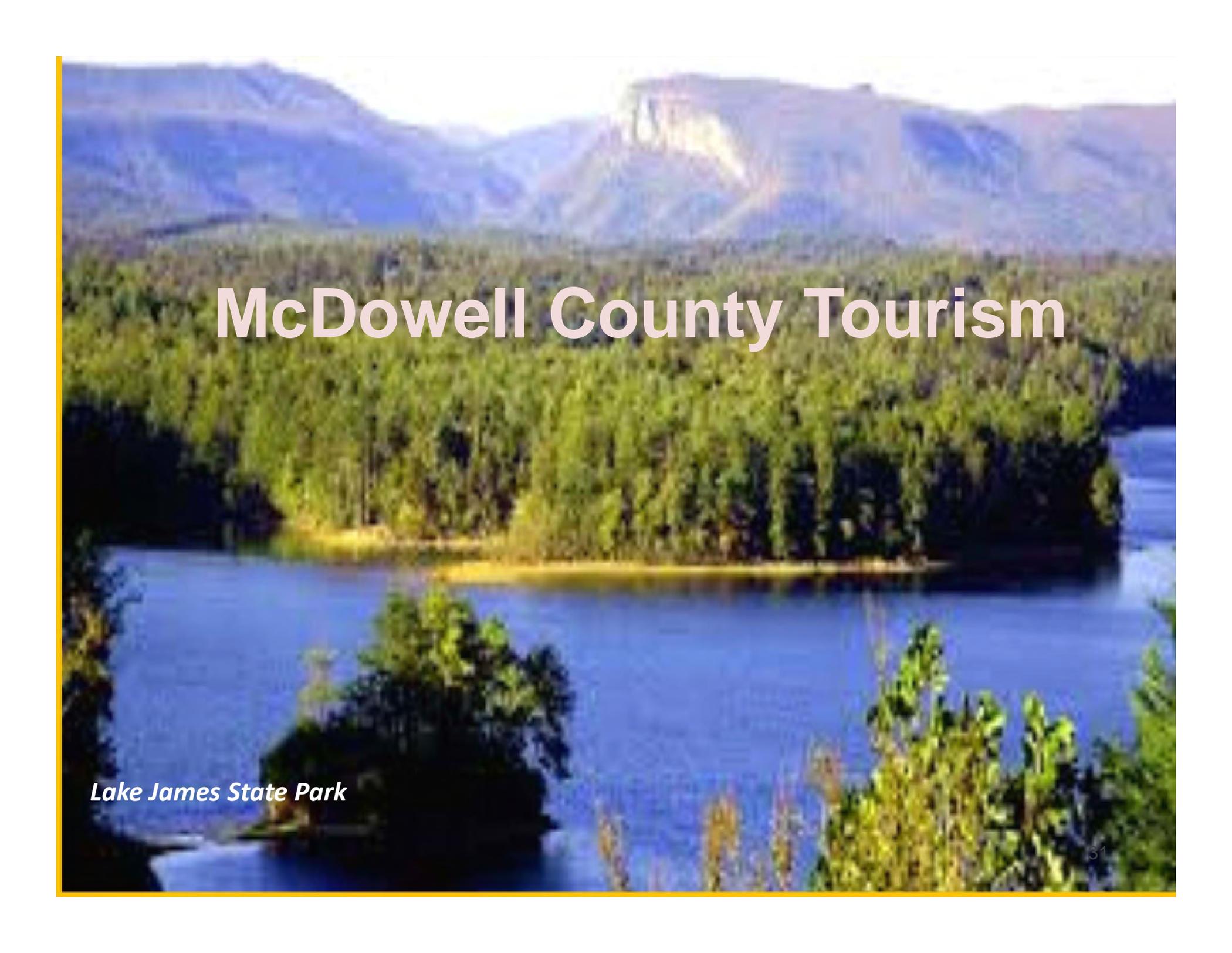
**IAC**  
International Automotive Components



**McDOWELL**  
HOSPITAL



**Manpower**



# McDowell County Tourism

*Lake James State Park*



*Linville Gorge waterfall*

Burke



County



*Lake James State Park*

# Burke County Tourism



South Mountains State Park



Blue Ridge Parkway



Greenway cyclists

# Burke County Major Employers

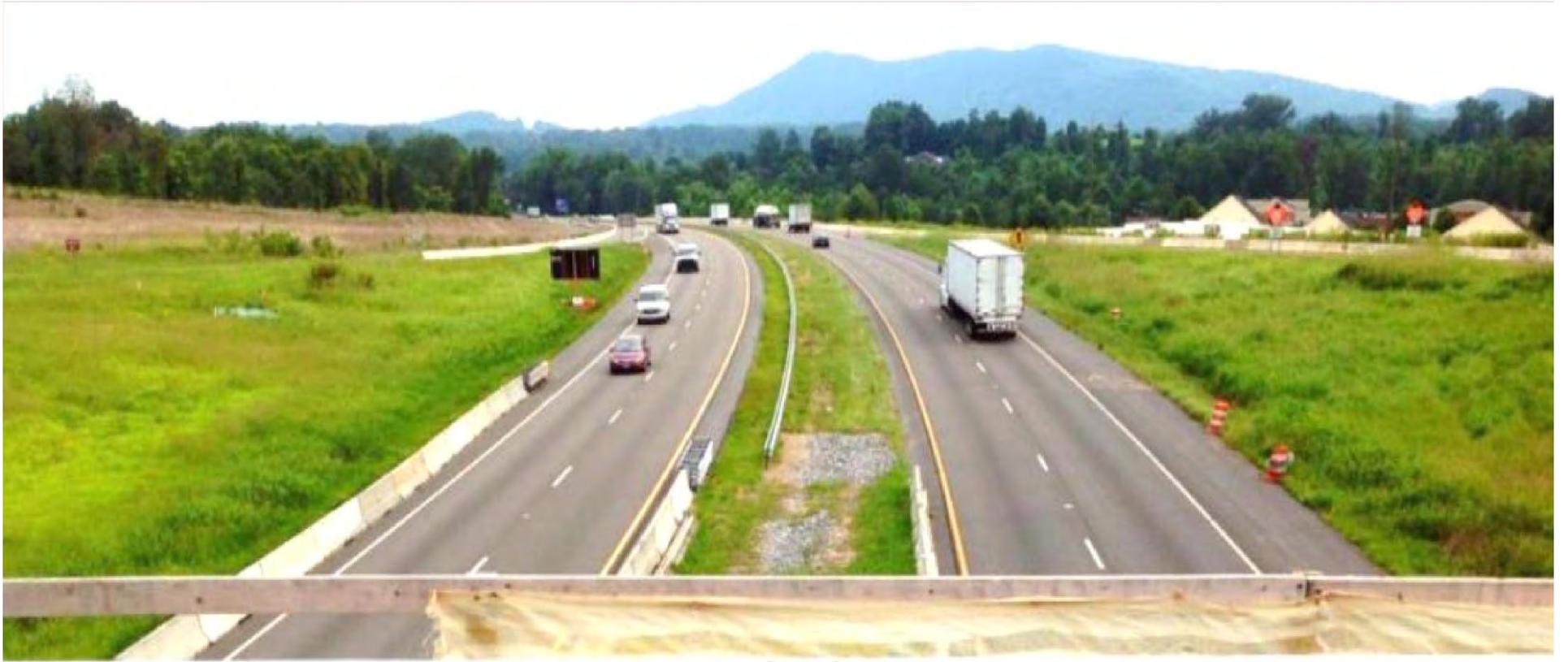


# **Burke County Transportation Projects**

**U-2550**

**I-40 Exit 104, Enola Road**





**U-2551**  
**I-40, Exit 105 - NC 18 (S. Sterling Street)**





# Buncombe County

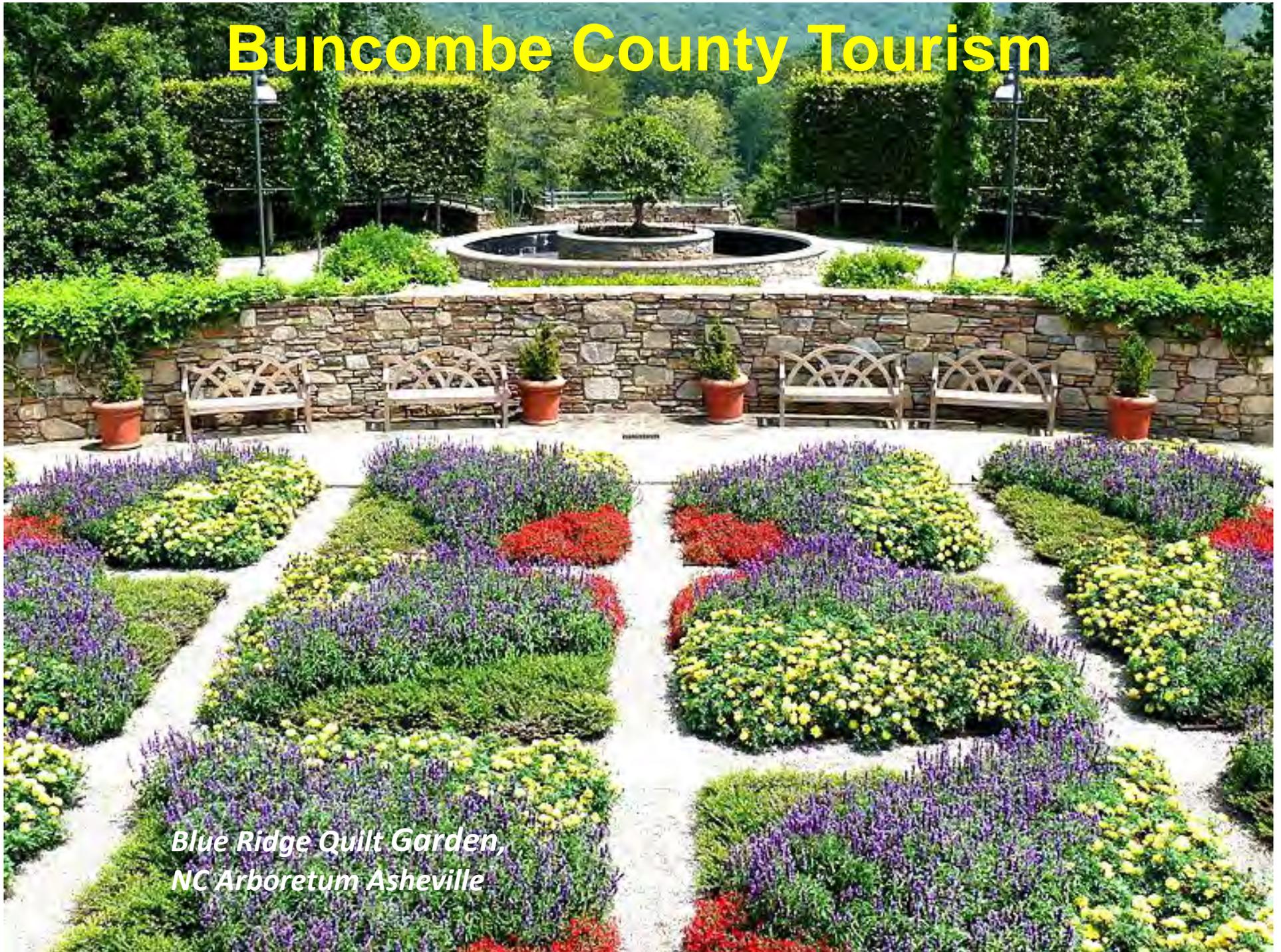


*Asheville has consistently topped lists such as:*

**Most Popular Place to Live**  
**10 Great Adventure Towns**  
**Happiest City in the USA**  
**Top 25 Arts Destinations**

**Number One Whitewater Town**  
**Top Mt Biking Destination in the Southeast**  
**Top 10 Town for a 2<sup>nd</sup> Home Investment**

# Buncombe County Tourism



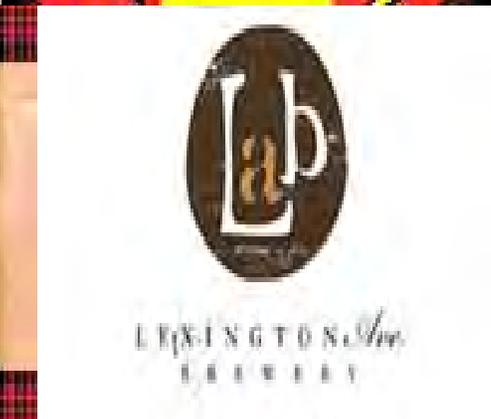
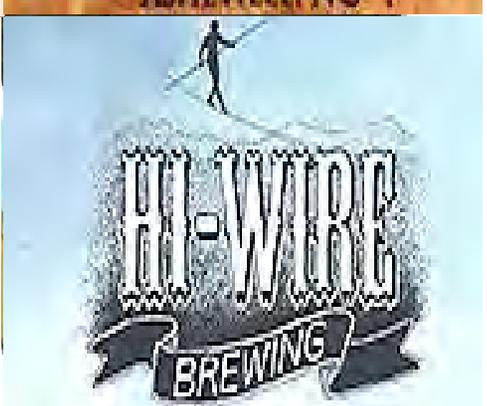
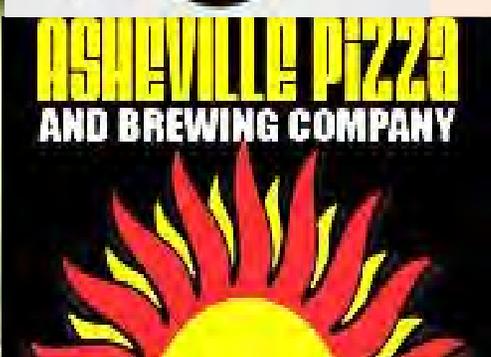
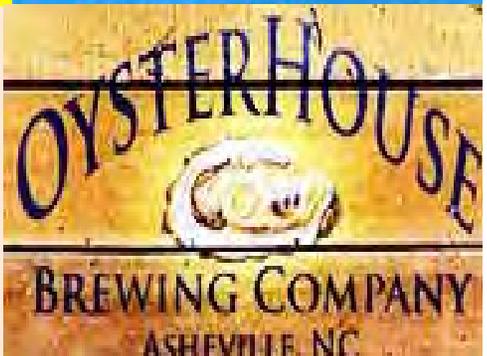
*Blue Ridge Quilt Garden,  
NC Arboretum Asheville*

Grove Park Inn, Asheville



**Biltmore Estate, Asheville**







45  
*Barley's Taproom, Asheville*

# Buncombe County Major Employers





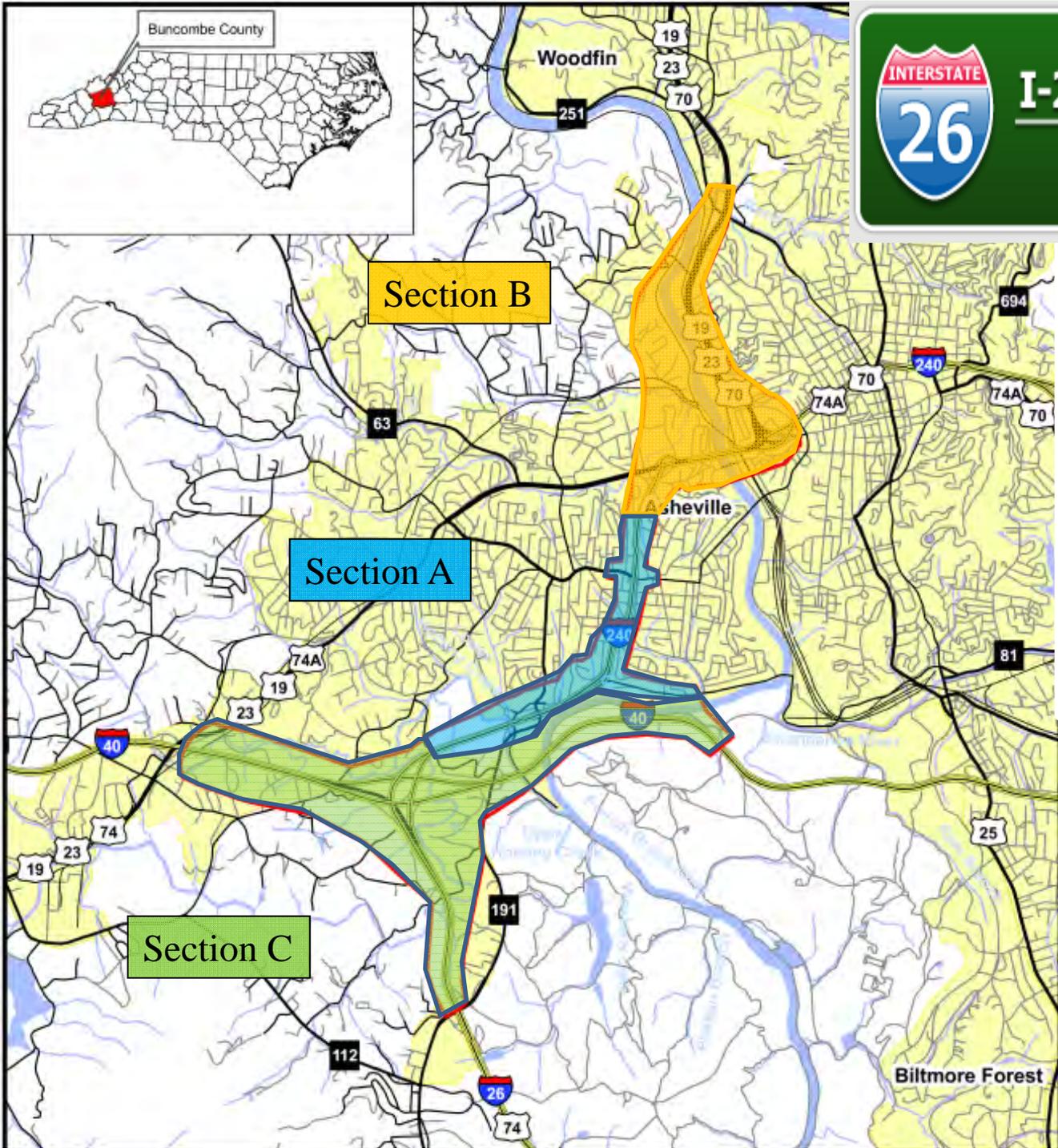
**North of Asheville**  
*STIP A-0010A*

**Asheville Connector**  
*STIP I-2513*

**Southern Buncombe County**  
*STIP I-4700*

**Henderson County**  
*STIP I-4400*





**INTERSTATE**  
**26**

**I-26 CONNECTOR**

BUNCOMBE COUNTY, NC

**19**

**23**

# Proposed Widening & Improvements

Along I-26 from I-40 to US-19-23-70 north of Asheville

STIP Project I-2513

**Study Area for I-26 Connector**

*The End*

*Come and Visit us!*





## **Financial Update**

David Tyeryar, Chief Financial Officer  
April 30, 2014

## Financial Update

### SFYTD 2014 as compared SFYTD 2013

Dollars in Millions	March 14	March 13	Year to Date		
			March 14	March 13	% Change
Revenue Collections	\$ 378	\$ 369	\$ 3,595	\$ 3,402	5.7%
Expenditures	243	309	3,408	3,431	-0.7%
Net Change	\$ 135	\$ 60	\$ 187	\$ (29)	
	March 14	March 13			
Cash Balances:					
Trust Fund	\$ 826	\$ 560			
Highway Fund*	471	514			
Totals	\$ 1,297	\$ 1,074			

\*Excludes bond proceeds held by Trustee

# Revenue Summary March 2014

(\$ in Millions)

	March 2014	March 2013	Year Over Year				SFY to Budget		
			2013-2014 Actual	2012-2013 Actual	\$	%	Budget to Date	\$	%
<b>State &amp; Federal Receipts:</b>									
Highway Fund *	\$ 156.0	\$ 157.9	\$ 1,480.7	\$ 1,448.6	\$ 32.1	2%	\$ 1,456.3	\$ 24.4	2%
Highway Trust Fund *	97.9	92.2	860.9	822.5	38.4	5%	812.1	48.8	6%
Federal Funds/Participation	118.7	112.9	1,026.5	867.6	158.9	18%	883.9	142.6	16%
<b>Total</b>	<b>\$ 372.6</b>	<b>\$ 363.0</b>	<b>\$ 3,368.1</b>	<b>\$ 3,138.7</b>	<b>\$ 229.4</b>	<b>7%</b>	<b>\$ 3,152.3</b>	<b>\$ 215.8</b>	<b>7%</b>
<b>GARVEE/NCTA/ARRA:</b>									
GARVEE Reimbursement-Trustee	\$ -	\$ 2.8	\$ 40.5	\$ 52.4					
GARVEE Reimbursement-FHWA	-	-	86.3	86.3					
NCTA Bond Proceeds/TIFIA	0.1	1.1	19.5	74.2					
NCTA Toll Revenues	1.7	1.3	13.2	6.4					
Federal Funds - ARRA	4.0	0.5	67.4	44.1					
<b>Total</b>	<b>\$ 5.8</b>	<b>\$ 5.7</b>	<b>\$ 226.9</b>	<b>\$ 263.4</b>					
<b>Total Receipts</b>	<b>\$ 378.4</b>	<b>\$ 368.7</b>	<b>\$ 3,595.0</b>	<b>\$ 3,402.1</b>	<b>\$ 192.9</b>	<b>6%</b>			

* Memo	March 2014	March 2013	Year Over Year				SFY to Budget		
			2013-2014 Actual	2012-2013 Actual	\$	%	Budget to Date	\$	%
<b>Highway Fund &amp; Trust Fund Details</b>									
Motor Fuel Taxes	\$ 135.7	\$ 140.7	\$ 1,404.5	\$ 1,391.6	\$ 12.9	1%	\$ 1,356.4	\$ 48.1	4%
Highway Use Tax	53.6	48.1	435.3	403.5	31.8	8%	400.2	35.1	9%
DMV/Other Revenue	64.2	61.0	498.6	473.0	25.6	5%	511.8	(13.2)	-3%
Investment Income	0.4	0.3	3.2	3.0	0.2	7%	3.4	(0.2)	-6%
<b>Total</b>	<b>\$ 253.9</b>	<b>\$ 250.1</b>	<b>\$ 2,341.6</b>	<b>\$ 2,271.1</b>	<b>\$ 70.5</b>	<b>3%</b>	<b>\$ 2,271.8</b>	<b>\$ 69.8</b>	<b>3%</b>

# Expenditure Summary March 2014

(\$ in millions)

	March 14	March 13	Year Over Year				SFY to Budget		
			2013-2014 Actual	2012-2013 Actual	\$	%	2013-2014 Budget	\$	%
<b>State &amp; Federal Funded Programs:</b>									
Construction *	\$ 117.9	\$ 147.0	\$ 1,445.8	\$ 1,445.0	\$ 0.8	0%	\$ 1,386.2	\$ 59.6	4%
Maintenance	69.5	65.1	873.2	814.8	58.4	7%	803.3	70.0	9%
Public Transportation	2.9	9.3	119.1	82.2	36.9	45%	98.6	20.5	21%
Other Modal/Other Programs	9.3	19.6	110.5	98.5	12.0	12%	91.9	18.6	20%
Administration	19.9	24.8	170.5	171.7	(1.2)	-1%	216.8	(46.3)	-21%
Municipal Aid	-	-	145.6	142.8	2.8	NA	145.6	-	NA
Transfers to Other Agencies	2.0	2.0	186.6	208.7	(22.1)	NA	187.6	(1.0)	NA
<b>Totals</b>	<b>\$ 221.5</b>	<b>\$ 267.8</b>	<b>\$ 3,051.3</b>	<b>\$ 2,963.7</b>	<b>\$ 87.6</b>	<b>3%</b>	<b>\$ 2,930.0</b>	<b>\$ 121.3</b>	<b>4%</b>
<b>GARVEE/NCTA/Special Initiatives:</b>									
NCTA Construction	1.1	1.7	31.8	87.7					
NCTA Financing Costs	-	-	76.0	80.0					
GARVEE Bond Expenditures	0.0	7.4	43.8	113.6					
Debt Service (GO & GARVEE)	12.5	28.9	106.8	119.4					
Ecosystem Enhancement Project	0.0	-	21.7	13.2					
FEMA	1.3	-	11.8	0.9					
ARRA- Rail	6.6	2.9	58.5	21.1					
ARRA - Highway Infrastructure/Public Transit	0.0	0.5	6.4	29.4					
SB 1005	0.0	-	(0.1)	0.4					
Moving Ahead	(0.1)	-	(0.1)	1.7					
<b>Totals</b>	<b>\$ 21.3</b>	<b>\$ 41.4</b>	<b>\$ 356.6</b>	<b>\$ 467.4</b>					
<b>Total Expenditures</b>	<b>\$ 242.8</b>	<b>\$ 309.2</b>	<b>\$ 3,407.9</b>	<b>\$ 3,431.1</b>	<b>\$ (23.2)</b>	<b>-1%</b>			

\* See GARVEE bond expenditures below.

## Year to Date Operations

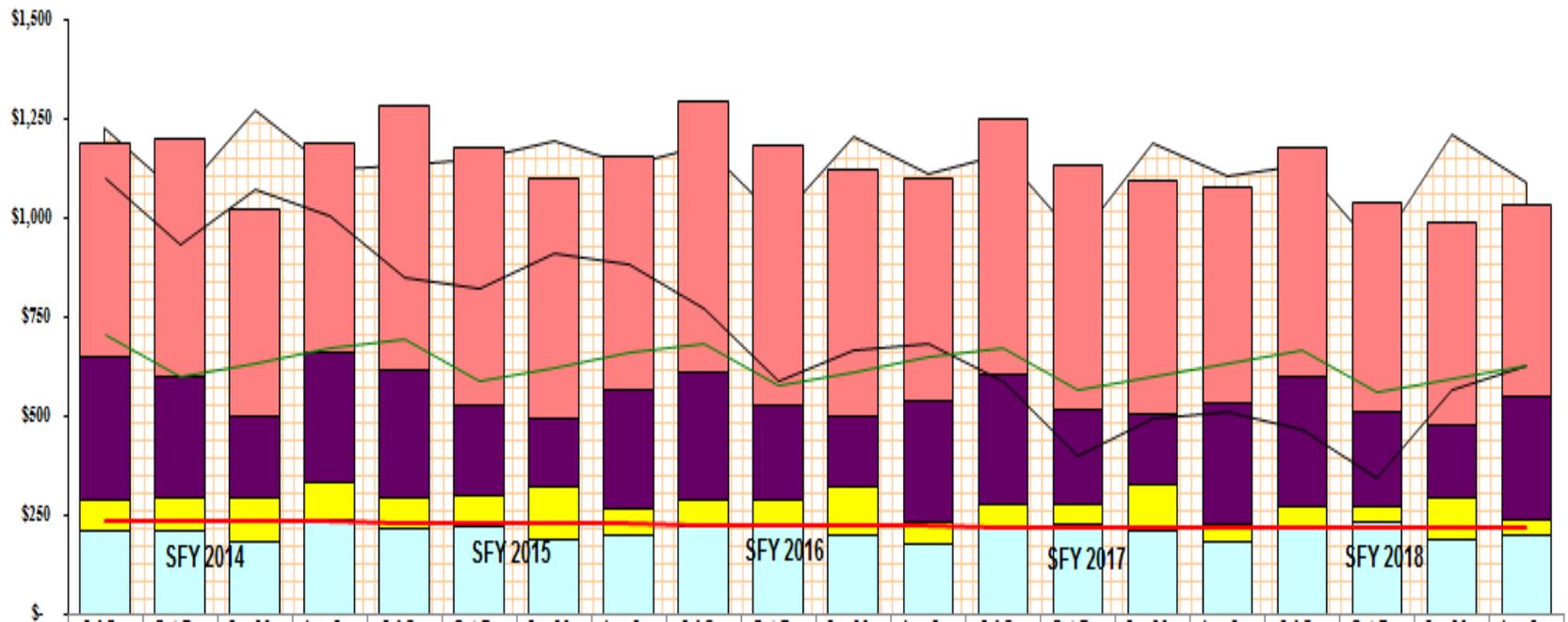
Change in Cash YTD as of March 31, 2014

Operating Cash Inflows	\$ <u>3,595</u>
State & Federal Funded Programs	\$ 3,051
GARVEE/NCTA/Special Initiatives	<u>357</u>
Operating Cash Outflows	\$ <u>3,408</u>
Net Change on Operating Cash	\$ <u><u>187</u></u>

(\$ in Millions)

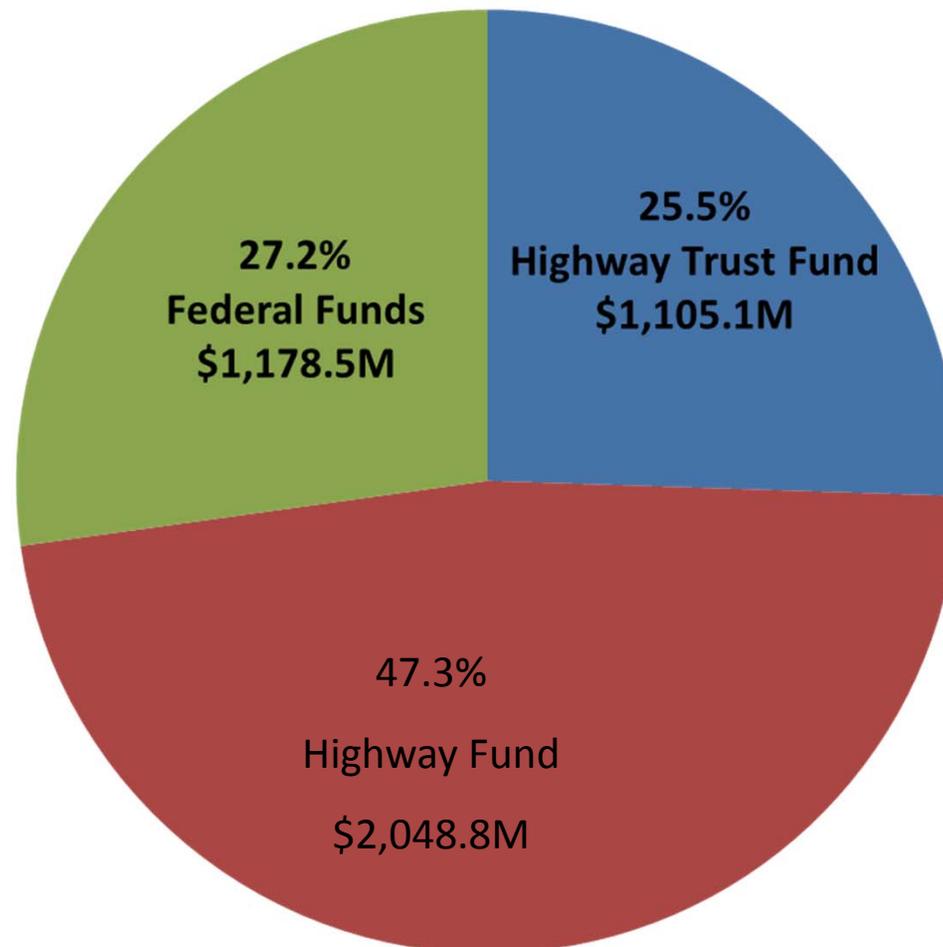
# 60 Month Cash Model

## Projections as of March 2014



	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun																
Revenues	\$1,227	\$1,064	\$1,275	\$1,124	\$1,132	\$1,149	\$1,193	\$1,133	\$1,184	\$997	\$1,205	\$1,114	\$1,159	\$944	\$1,191	\$1,103	\$1,133	\$918	\$1,212	\$1,091
Construction Expenditures	539	599	525	528	671	649	609	593	683	656	623	560	647	617	592	548	578	528	512	480
Maintenance Expenditures	359	310	208	329	318	232	172	300	323	236	176	306	324	237	178	307	329	241	182	312
Other Modes	79	81	111	96	78	74	131	62	70	64	124	54	59	51	115	45	48	38	106	36
Other Expenditures	212	212	181	238	219	224	190	203	221	226	200	180	222	229	214	181	225	233	190	203
Closing Cash Balance	1,101	934	1,072	1,005	851	821	911	886	773	588	669	682	589	400	493	515	468	346	568	627
Cash Balance Target	707	599	634	670	698	590	625	662	685	577	612	649	673	565	600	636	667	560	595	631
Cash Balance Floor	234	234	234	234	230	230	230	230	225	225	225	225	220	220	220	220	218	218	218	218

## NCDOT Sources of Funds 2013-14 by Major Funding Source Total Funding = \$4.3 Billion

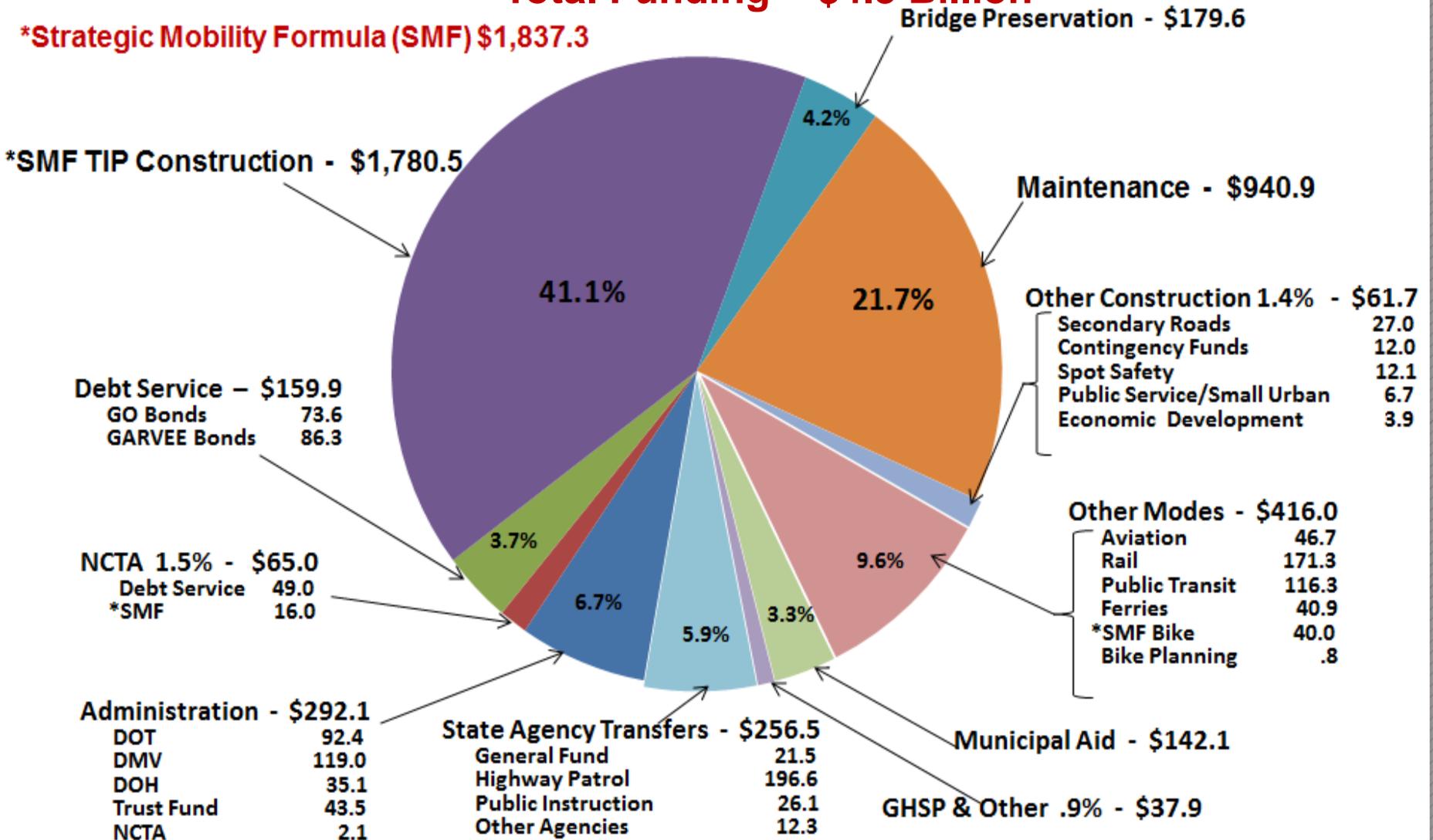


(Excludes Receipt Supported Funding of \$0.1B)

## Uses of 2013-14 NCDOT Appropriations Total Funding = \$4.3 Billion

**\*Strategic Mobility Formula (SMF) \$1,837.3**

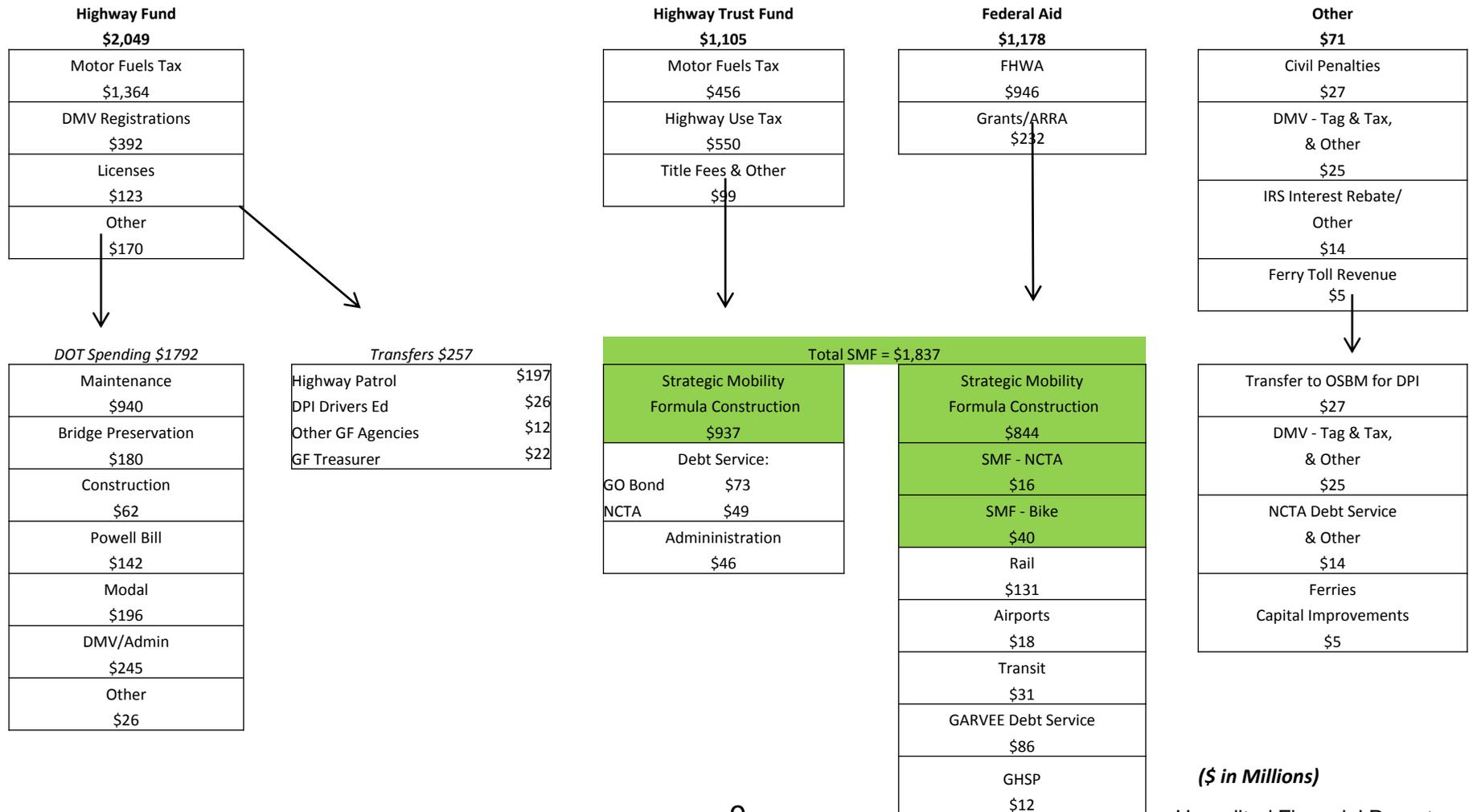
**\*SMF TIP Construction - \$1,780.5**



(Excludes Receipt Supported Funding of \$0.1B)

# 2013-14 NCDOT Sources and Uses

## Total Funding = \$4.4 Billion



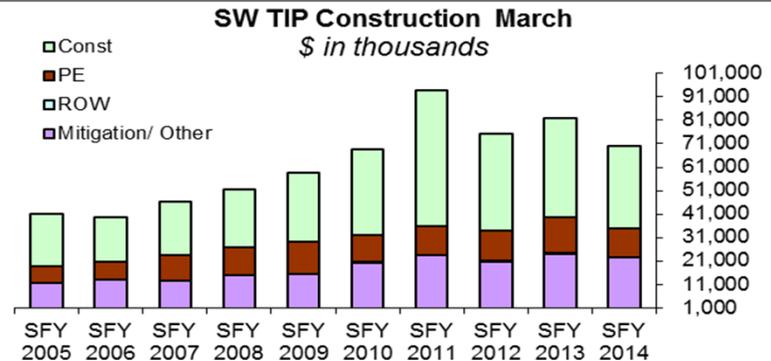
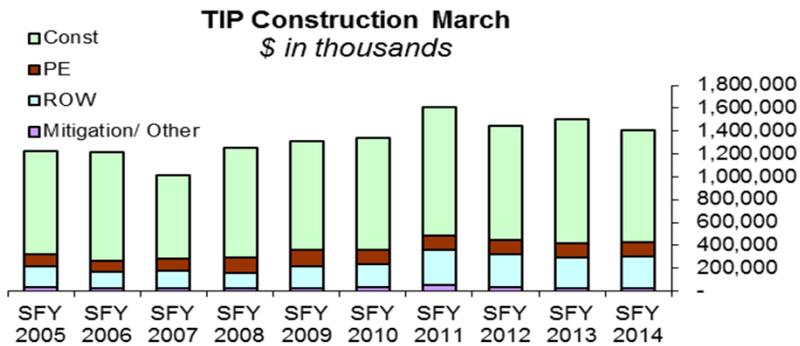
(\$ in Millions)

Unaudited Financial Report

Total YTD - March TIP \$ in Thousands	PE		ROW		Const		Mitigation/ Other		Totals	
	Expenses	% Incr Over Prior Year	Expenses	% Incr Over Prior Year	Expenses	% Incr Over Prior Year	Expenses	% Incr Over Prior Year	Expenses	% Incr Over Prior Year
SFY 2014	125,424	-2%	279,060	5%	973,164	-10%	24,770	-8%	1,402,418	-7%
SFY 2013	128,611	7%	265,150	-7%	1,082,971	8%	26,965	-30%	1,503,697	4%
SFY 2012	120,716	2%	284,178	-8%	1,006,020	-11%	38,521	-33%	1,449,434	-10%
SFY 2011	117,812	1%	307,258	47%	1,128,826	14%	57,314	83%	1,611,209	20%
SFY 2010	116,148	-21%	208,365	11%	986,724	4%	31,304	27%	1,342,541	2%
SFY 2009	147,537	13%	188,521	39%	952,286	-1%	24,704	-7%	1,313,048	5%
SFY 2008	130,376	19%	135,143	-9%	964,224	32%	26,619	-5%	1,256,362	23%
SFY 2007	109,670	7%	148,746	9%	731,648	-23%	28,113	-2%	1,018,177	-16%
SFY 2006	102,373	-3%	136,711	-22%	945,753	4%	28,595	-21%	1,213,432	-1%
SFY 2005	105,222		175,929		909,777		36,395		1,227,323	

Total YTD -March Statewide TIP \$ in Thousands	Expenses	% of SW to Total TIP								
SFY 2013	14,998	12%	637	0%	42,064	4%	24,054	89%	81,753	5%
SFY 2012	13,234	11%	129	0%	40,819	4%	20,824	54%	75,006	5%
SFY 2011	12,185	10%	93	0%	58,201	5%	23,449	41%	93,928	6%
SFY 2010	11,493	10%	447	0%	36,635	4%	20,193	65%	68,768	5%
SFY 2009	13,652	9%	40	0%	29,367	3%	15,653	63%	58,712	4%
SFY 2008	11,649	9%	25	0%	24,989	3%	15,033	56%	51,696	4%
SFY 2007	11,169	10%	55	0%	22,837	3%	12,458	44%	46,519	5%
SFY 2006	7,796	8%	-	0%	19,096	2%	12,966	45%	39,858	3%
SFY 2005	6,978	7%	-	0%	22,468	2%	11,859	33%	41,304	3%



# Expenditures for TIP Projects

## SFY2014, SFY2013 (Expenditures below include ARRA)

SFY 2014	PE	ROW	Const	Other	Monthly	
Jul-13	13,401,678	27,140,024	121,309,416	2,595,172	164,446,290	8%
Aug-13	14,237,793	34,645,879	107,955,853	3,073,680	159,913,206	8%
Sep-13	14,510,615	23,753,821	120,268,408	2,858,105	161,390,950	8%
Oct-13	17,272,249	36,998,241	137,871,597	2,969,591	195,111,678	10%
Nov-13	13,802,416	43,831,810	113,806,025	2,001,960	173,442,211	9%
Dec-13	12,348,681	29,664,012	129,960,663	2,638,495	174,611,851	9%
Jan-14	14,036,740	26,210,074	82,667,794	2,523,829	125,438,438	6%
Feb-14	13,463,638	36,946,099	78,600,067	3,233,127	132,242,930	7%
Mar-14	12,350,352	19,870,167	80,723,677	2,876,099	115,820,295	6%
Apr-14						0%
May-14						0%
Jun-14						0%

<b>125,424,162</b>	<b>279,060,127</b>	<b>973,163,501</b>	<b>24,770,058</b>	<b>1,402,417,848</b>
<b>8.9%</b>	<b>19.9%</b>	<b>69.4%</b>	<b>1.8%</b>	

SFY 2013	PE	ROW	Const	Other	Monthly	
Jul-12	11,592,519	31,824,724	139,909,943	6,892,142	190,219,328	10%
Aug-12	16,825,134	31,006,747	126,602,094	447,199	174,881,174	9%
Sep-12	13,111,788	30,259,675	139,876,324	3,280,481	186,528,268	9%
Oct-12	15,796,659	33,233,433	140,593,478	2,822,950	192,446,520	10%
Nov-12	15,992,770	29,054,902	132,117,200	3,423,153	180,588,025	9%
Dec-12	9,247,600	41,110,168	124,122,476	1,508,669	175,988,914	9%
Jan-13	16,794,355	21,097,770	103,715,835	3,181,059	144,789,018	7%
Feb-13	14,699,876	21,043,903	95,999,735	2,166,468	133,909,982	7%
Mar-13	14,550,761	26,518,787	80,033,526	3,242,518	124,345,592	6%
Apr-13	14,943,845	20,074,675	95,203,167	3,067,587	133,289,274	7%
May-13	16,394,117	30,408,128	124,765,370	4,262,259	175,829,873	9%
Jun-13	21,425,263	35,230,572	108,346,368	5,331,140	170,333,343	9%

<b>181,374,686</b>	<b>350,863,484</b>	<b>1,411,285,515</b>	<b>39,625,626</b>	<b>1,983,149,310</b>
<b>9.1%</b>	<b>17.7%</b>	<b>71.2%</b>	<b>2.0%</b>	

## Right of Way & Preliminary Engineering Expenditures

### SFY 2014 Period Ending March 2014

	1st Quarter SFY	2nd Quarter SFY	3rd Quarter SFY	4th Quarter SFY	SFY Totals	SFY Target	% of Target
<b>Right of Way:</b>							
TIP Projects (excluding GV)	\$ 75.4	\$ 103.3	\$ 80.6		\$ 259.3	\$ 250.0	104%
Garvee Projects (GV)	10.1	7.2	2.4		19.7	102.3	19%
<b>Total TIP Projects</b>	<b>\$ 85.5</b>	<b>\$ 110.5</b>	<b>\$ 83.0</b>	<b>\$ -</b>	<b>\$ 279.0</b>	<b>\$ 352.3</b>	
<b>Preliminary Engineering:</b>							
TIP Projects (excluding TA)	\$ 41.1	\$ 41.8	\$ 38.5		\$ 121.4	\$ 165.0	74%
Toll Authority (TA) Projects	1.1	1.6	1.4		4.1	9.7	42%
<b>Total TIP Projects</b>	<b>\$ 42.2</b>	<b>\$ 43.4</b>	<b>\$ 39.9</b>	<b>\$ -</b>	<b>\$ 125.5</b>	<b>\$ 174.7</b>	

**MEMO: State Fiscal YTD Totals Exclude Specific Allocations**

(\$ in Millions)

## FFY 2014 Federal Rail Scorecard

### As of March 31, 2014

#### ARRA Rail Grant Awards (Inception to Date)

GRANT DESCRIPTION	GRANT AWARD - BUDGET	PROJECT ALLOTMENTS	EXPENDITURES	FEDERAL REIMBURSEMENTS	AVAILABLE TO BILL	EXCEPTIONS
NCDOT Piedmont Third & Fourth Frequency Equipment Procurement & Rehabilitation SE High Speed Rail Corridor PE/NEPA - Richmond, Va to NCDOT Intercity Passenger Rail Congestion Mitigation	\$ 520,000,000	\$ 498,763,078	\$ 129,085,264	\$ 120,930,939	\$ 8,154,325	
	\$ 4,000,000	\$ 4,000,000	\$ 3,436,341	\$ 3,411,002	\$ 25,339	\$ -
	\$ 26,560,839	\$ 26,560,839	\$ 381,677	\$ 320,119	\$ 61,558	\$ -
<b>TOTAL ARRA</b>	<b>\$ 550,560,839</b>	<b>\$ 529,323,917</b>	<b>\$ 132,903,282</b>	<b>\$ 124,662,060</b>	<b>\$ 8,241,222</b>	<b>\$ 4,659,549</b>

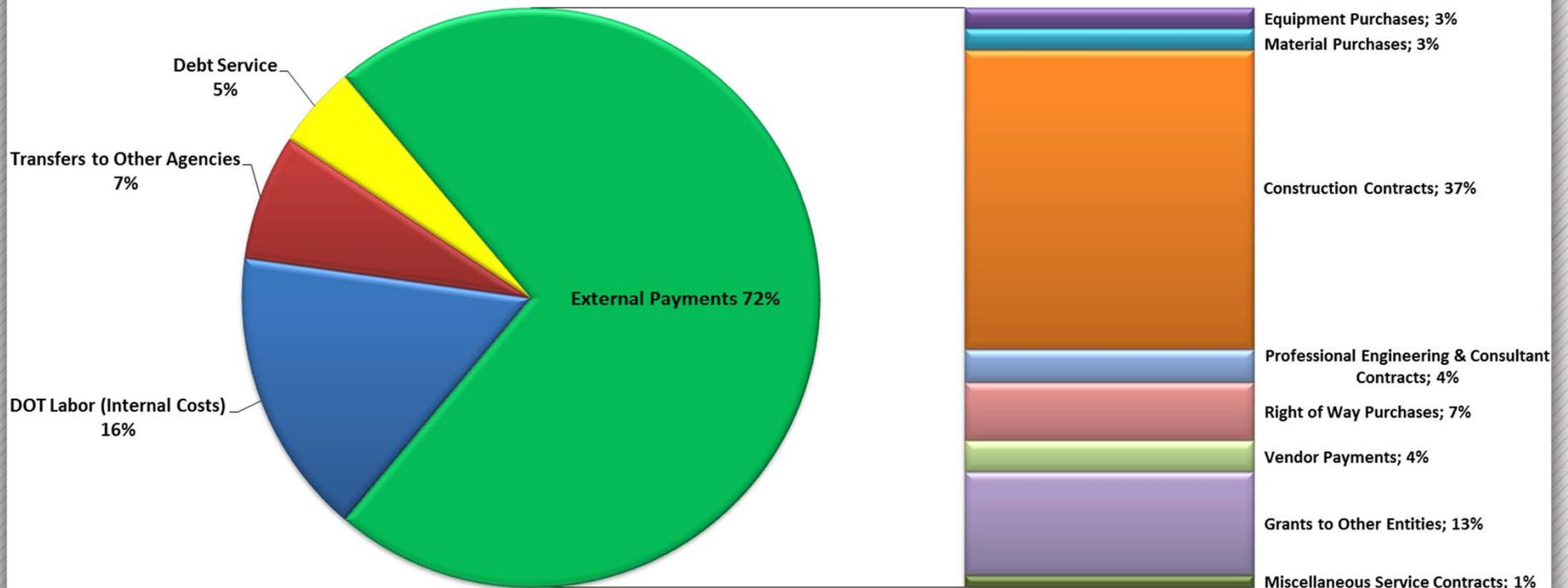
#### FEDERAL Rail Grant Awards (NON-ARRA)

GRANT DESCRIPTION	GRANT AWARD - BUDGET	PROJECT ALLOTMENTS	EXPENDITURES	FEDERAL REIMBURSEMENTS	AVAILABLE TO BILL	EXCEPTIONS
Traditional Rail Projects - Various	\$ 26,328,596	\$ 4,348,445	\$ 3,338,692	\$ 3,111,413	\$ 227,279	\$ (1,607,119)

\*The large credit in exceptions is due to a refund check applied to a WBS

# NCDOT Expenditures

## SFYTD as of March 31, 2014



**ADDITIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TM-5309	Winston Salem MPO	FTA 5307 Winston Salem Urbanized Area set aside for Job Access Reverse Commute (JARC) Project	FUZ	5307	55	55					
			Local	L	55	55					
TD-5269	Gastonia Transit	Transit Enhancements	FUZ	5307		275					
			Local	L		69					
TM-6154	Lenior County Transit	Section 5316 Operating	JARC	5316			55				
			Local	L			55				
TQ-8006	Macon County Transit	Section 5317 Capital	FNF	5317			6800				
			Local	L			1700				
TN-6123	Macon County Transit	Section 5317 Operating	FNF	5317			20				
			Local	L			20				

**MODIFICATIONS to the Transit 2012-2018 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY13 (000)	FY14 (000)	FY15 (000)	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)
TD-4716	Greenville Transit System	Facility-Intermodal Center-Land, Planning, Design, Construction	FUZ	5307		4,185					
			State	S			523				
			Local	L		523					
TQ-6782	Winston Salem MPO	Enhanced Mobility for Seniors and Individuals with Disability – Section 5310 Urban Area Allocation – Capital Contract for Services with providers selected through a competitive process	FEDP	5310	297	337					
			Local	L	297	84					

**ITEM I-1B SUMMARY – 6 PROJECTS – TOTAL FEDERAL/STATE/LOCAL \$ 15,460,000**

**NCDOT May 2014 Board of Transportation Agenda  
Approval of Specific North Carolina Trust Funds – Intrastate System**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wilmington/ New Hanover Co. Div. 3 U-4751 STATEWIDE	WBS 40191.2.1 SR 1409 (Military Cutoff Road) to US 17 in Wilmington. \$7,674,655.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are requested for appraisal of Specific Parcel 910.	\$25,000.00

REVISIONS TO THE 2012-2020 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS

**DIVISION 10**

* U-5544	CHARLOTTE REGIONAL TRANSPORTATION PLANNING	RIGHT-OF-WAY	FY 2014 -	\$200,000	(TA)
IREDELL	ORGANIZATION (CRTPO) TRANSPORTATION		FY 2014 -	\$50,000	(C)
UNION	ALTERNATIVES (TA) PROGRAM.	CONSTRUCTION	FY 2014 -	\$2,200,000	(TA)
MECKLENBURG	<u>ADD RIGHT-OF-WAY IN FY 14 AND CONSTRUCTION IN</u>		FY 2014 -	\$550,000	(C)
PROJ.CATEGORY	<u>FY 14 NOT PREVIOUSLY PROGRAMMED.</u>			\$3,000,000	
DIVISION					

* U-5545	CABARRUS ROWAN MPO TRANSPORTATION	RIGHT-OF-WAY	FY 2014 -	\$40,000	(TA)
ROWAN	ALTERNATIVES (TA) PROGRAM.		FY 2014 -	\$10,000	(C)
CABARRUS	<u>ADD RIGHT-OF-WAY IN FY 14 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2014 -	\$400,000	(TA)
PROJ.CATEGORY	<u>FY 14 NOT PREVIOUSLY PROGRAMMED.</u>		FY 2014 -	\$100,000	(C)
DIVISION				\$550,000	

**DIVISION 12**

* U-5546	GREATER HICKORY MPO TRANSPORTATION	RIGHT-OF-WAY	FY 2014 -	\$40,000	(TA)
CATAWBA	ALTERNATIVES (TA) PROGRAM.		FY 2014 -	\$10,000	(C)
CALDWELL	<u>ADD RIGHT-OF-WAY IN FY 14 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2014 -	\$400,000	(TA)
BURKE	<u>FY 14 NOT PREVIOUSLY PROGRAMMED.</u>		FY 2014 -	\$100,000	(C)
ALEXANDER				\$550,000	
PROJ.CATEGORY					
DIVISION					

**DIVISION 14**

* R-5529	NC 28, CONSTRUCT HELIPAD ADJACENT TO NC 28	ENGINEERING	FY 2014 -	\$5,000	(FLAP)
SWAIN	NEAR TSALI FOREST SERVICE RECREATIONAL AREA.		FY 2014 -	\$1,000	(L)
PROJ.CATEGORY	<u>ADD ENGINEERING IN FY 14 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2014 -	\$52,000	(FLAP)
EXEMPT	<u>FY 14 NOT PREVIOUSLY PROGRAMMED. PROJECT</u>		FY 2014 -	\$13,000	(L)
	<u>ADDED AS PART OF THE FEDERAL LANDS ACCESS</u>			\$71,000	
	<u>PROGRAM.</u>				

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2012-2020 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS

**STATEWIDE**

* ER-5600	VARIOUS, VEGETATION MANAGEMENT - CLEAR ZONE	CONSTRUCTION	FY 2014 -	\$4,325,000	(TA)
STATEWIDE	IMPROVEMENT AND MANAGEMENT STATEWIDE.		FY 2015 -	<u>\$4,325,000</u>	(TA)
PROJ.CATEGORY	<u>ADD CONSTRUCTION IN FY 14 AND FY 15 NOT</u>			\$8,650,000	
STATEWIDE	<u>PREVIOUSLY PROGRAMMED.</u>				
REGIONAL					
DIVISION					

STIP MODIFICATIONS

**DIVISION 1**

B-5139	SR 1332 (CREEK ROAD), REPLACE BRIDGE NO. 21	RIGHT-OF-WAY	FY 2015 -	\$50,000	(STPON)
PASQUOTANK	OVER KNOBB'S CREEK.	CONSTRUCTION	FY 2015 -	\$500,000	(STPON)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 15 TO</u>			\$550,000	
DIVISION	<u>ALLOW ADDITIONAL TIME FOR DIVISION TO DESIGN.</u>				

**DIVISION 3**

U-5527	VARIOUS, WILMINGTON URBAN AREA MPO	RIGHT-OF-WAY	FY 2015 -	\$25,000	(TA)
PENDER	TRANSPORTATION ALTERNATIVES PROGRAM.		FY 2015 -	\$6,000	(C)
BRUNSWICK	<u>ADD RIGHT-OF-WAY IN FY 15 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2015 -	\$200,000	(TA)
NEW HANOVER	<u>FY 15 NOT PREVIOUSLY PROGRAMMED.</u>		FY 2015 -	<u>\$50,000</u>	(C)
PROJ.CATEGORY				\$281,000	
DIVISION					

U-5534	VARIOUS, WILMINGTON URBAN AREA MPO STP-DA	RIGHT-OF-WAY	FY 2015 -	\$500,000	(STPDA)
BRUNSWICK	PROGRAM.		FY 2015 -	\$125,000	(C)
PENDER	<u>ADD RIGHT-OF-WAY IN FY 15 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2015 -	\$1,525,000	(STPDA)
NEW HANOVER	<u>FY 15 NOT PREVIOUSLY PROGRAMMED.</u>		FY 2015 -	<u>\$381,000</u>	(C)
PROJ.CATEGORY				\$2,531,000	
DIVISION					

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2012-2020 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 5**

EB-4707B	SR 2220, SR 1113 (POPE ROAD) TO SR 1116 (GARRETT ROAD)	CONSTRUCTION	FY 2015 - \$3,920,000	(STPDA)
DURHAM			FY 2015 - \$980,000	(C)
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 TO</u>		FY 2015 - \$250,000	(S(E))
DIVISION	<u>ALLOW ADDITIONAL TIME FOR RIGHT OF WAY AND UTILITIES.</u>		\$5,150,000	

I-5333B	I-440 / US 1, I-40 TO SR 1728 (WADE AVENUE). PHASE 2 REHABILITATION ACTIVITIES.	CONSTRUCTION	FY 2015 - \$850,000	(NHPIM)
WAKE			\$850,000	
PROJ.CATEGORY	<u>DELAY CONSTRUCTION FROM FY 14 TO FY 15 AT</u>			
STATEWIDE	<u>REQUEST OF DIVISION.</u>			

U-2719	I-440 / US 1, SOUTH OF SR 1313 (WALNUT STREET) TO NORTH OF SR 1728 (WADE AVENUE) IN RALEIGH.	UTILITIES	FY 2018 - \$102,000	(NHP)
WAKE	WIDEN FROM FOUR TO SIX LANES AND IMPROVE STORAGE AT LAKE BOONE TRAIL INTERCHANGE.	RIGHT-OF-WAY	FY 2018 - \$22,208,000	(NHP)
PROJ.CATEGORY	<u>MODIFY PROJECT DESCRIPTION AT REQUEST OF</u>	MITIGATION	FY 2018 - \$244,000	(NHP)
STATEWIDE	<u>PDEA AND FHWA.</u>	CONSTRUCTION	FY 2018 - \$21,550,000	(NHP)
			FY 2019 - \$21,550,000	(NHP)
			FY 2020 - \$21,550,000	(NHP)
			POST YR- \$21,550,000	(NHP)
			\$108,754,000	

**DIVISION 10**

* B-4974	NC 24/NC 27/NC 73, REPLACE BRIDGE NO. 51 OVER PEE DEE RIVER, (COORDINATE WITH R-2530).	RIGHT-OF-WAY	FY 2016 - \$1,800,000	(STPON)
STANLY		CONSTRUCTION	FY 2019 - \$6,833,000	(STPON)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 16 AND</u>		FY 2020 - \$6,834,000	(STPON)
REGIONAL	<u>CONSTRUCTION FROM FY 16 TO FY 19 TO</u>		FY 2021 - \$6,833,000	(STPON)
	<u>COORDINATE SCHEDULE WITH DRAFT 2013-2023 STIP.</u>		\$22,300,000	

C-5228	CHARLOTTE, DAVID COX ROAD-NC 115 IN CHARLOTTE. INTERSECTION IMPROVEMENTS. ADD LEFT TURN LANES ON ALL FOUR APPROACHES.	RIGHT-OF-WAY	FY 2014 - \$120,000	(CMAQ)
MECKLENBURG			FY 2014 - \$30,000	(C)
PROJ.CATEGORY	<u>DELAY RIGHT-OF-WAY FROM FY 13 TO FY 14 TO</u>	CONSTRUCTION	FY 2015 - \$1,291,000	(CMAQ)
EXEMPT	<u>ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>		FY 2015 - \$323,000	(C)
			\$1,764,000	

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2012-2020 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 10**

* R-2530B STANLY PROJ.CATEGORY STATEWIDE	NC 24-27, BIRD ROAD IN ALBEMARLE TO WEST OF THE PEE DEE RIVER <u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 16 AND CONSTRUCTION FROM FY 16 TO FY 19 TO COORDINATE SCHEDULE WITH DRAFT 2013-2023 STIP AND TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>	UTILITIES RIGHT-OF-WAY CONSTRUCTION	FY 2016 - \$1,866,000 (T) FY 2016 - \$14,000,000 (T) FY 2019 - \$6,950,000 (T) FY 2020 - \$6,950,000 (T) FY 2021 - \$6,950,000 (T) FY 2022 - \$6,950,000 (T) \$43,666,000
* U-3440 CABARRUS PROJ.CATEGORY REGIONAL	NC 3, PROPOSED WEST SIDE BYPASS (U-2009) TO SR 1691 (LOOP ROAD) IN KANNAPOLIS. WIDEN TO A FOUR-LANE DIVIDED FACILITY. <u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 15 AND CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW ADDITIONAL TIME FOR PLANNING.</u>	UTILITIES RIGHT-OF-WAY CONSTRUCTION	FY 2015 - \$420,000 (T) FY 2015 - \$9,000,000 (T) FY 2016 - \$18,500,000 (T) \$27,920,000
* U-5114 MECKLENBURG PROJ.CATEGORY REGIONAL	HUNTERSVILLE, INTERSECTION OF US 21 AND GILEAD ROAD IN HUNTERSVILLE. CONSTRUCT INTERSECTION IMPROVEMENTS, INCLUDING BICYCLE AND PEDESTRIAN ACCOMMODATIONS. <u>ADD RIGHT-OF-WAY IN FY 15. DELAY CONSTRUCTION FROM FY 15 TO FY 16 TO ALLOW TIME TO ACQUIRE RIGHT-OF-WAY.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2015 - \$100,000 (C) FY 2016 - \$3,600,000 (STPDA) FY 2016 - \$900,000 (C) \$4,600,000
<b>DIVISION 14</b> I-5512 HAYWOOD PROJ.CATEGORY STATEWIDE	I-40, REHABILITATE TUNNELS 15, 17, AND 104. <u>ADD NHPIM FUNDS IN FY 15.</u>	CONSTRUCTION	FY 2015 - \$2,500,000 (NHPIM) FY 2015 - \$3,500,000 (O) \$6,000,000
R-5207C HENDERSON PROJ.CATEGORY DIVISION	SR 1006 (HOWARD GAP ROAD), SR 1539 (JACKSON ROAD) TO US 25 IN FLETCHER <u>DELAY RIGHT-OF-WAY FROM FY 14 TO FY 15 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2015 - \$100,000 (T) FY 2015 - \$850,000 (T) \$950,000
W-5506 HENDERSON PROJ.CATEGORY REGIONAL	NC 191, SR 1381 (MOUNTAIN ROAD) TO NORTH OF SR 1365 (NORTH RUGBY ROAD). CONSTRUCT A CONTINUOUS THREE-LANE SECTION, EXTEND RIGHT TURN LANE INTO SCHOOL, REVISE AND INSTALL GUARDRAIL AND CONSTRUCT PAVED SHOULDERS. <u>ADD STP FUNDS IN FY 15.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2014 - \$155,000 (HSIP) FY 2015 - \$1,975,000 (HSIP) FY 2015 - \$2,500,000 (STP) \$4,630,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2012-2020 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

STIP DELETIONS

**DIVISION 12**

* B-5520	SR 1131 (PITTSTOWN ROAD). REPLACE BRIDGE NO. 45	RIGHT-OF-WAY	FY 2019 -	\$55,000	(STPOFF)
CATAWBA	OVER HOP CREEK.	CONSTRUCTION	FY 2020 -	<u>\$550,000</u>	(STPOFF)
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>				\$605,000
DIVISION	<u>PROJECT 17BP.12.R.20</u>				

\* INDICATES FEDERAL AMENDMENT

## RESOLUTION FOR BILL G. ANDERSON

WHEREAS, Bill G. Anderson was born in 1934 in Wilkes County, North Carolina, and has been a citizen and resident of Wilkes County for his entire life. He graduated from Wilkesboro High School in 1952 and received an Honorable Discharge from the U.S. Army, Army Security Agency, for which he served from 1954 to 1957; and

WHEREAS, Bill G. Anderson served in a number of capacities for the Administration of Governor Jim Holshouser between 1973 and 1977, including the Governor Holshouser Inaugural Commission in 1973 and Governor Holshouser's Law and Order Committee from 1973 to 1976; and

WHEREAS, Bill G. Anderson was a Special Investigator with the Wilkes County Sheriff's Office from 1971 to 1973 and was elected Sheriff to Wilkes County from 1974 to 1978; and

WHEREAS, Bill G. Anderson was appointed by the House of Representatives to the Criminal Justice Commission from 2005 to 2006; and

WHEREAS, Bill G. Anderson has been an active member of his community throughout his life, having served as President of Little League and Coach from 1958 to 1969, as Wilkes County Outstanding Man of the Year in 1966, and in a number of other capacities. He is also a life member of Cub Creek Baptist Church and served as Sunday School Director from 1960 to 1970; and

WHEREAS, the Wilkes County Commissioners desire to honor the life and achievements of Bill G. Anderson and express the appreciation of the County and its citizens for the service he has rendered his community, state and nation.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation name a section of NC 16 in Wilkes County, from 0.2 mile north of the Wilkes-Alexander County line to near the NC 16-18/Country Club Road intersection as the ***Bill G. Anderson Highway***.

That appropriate signs be erected at a suitable time.

Adopted, this the first day of May 2014 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation

## RESOLUTION FOR CONGRESSMAN TIM VALENTINE

WHEREAS, Congressman Tim Valentine served our country during World War II in the U.S. Army Air Corps from 1944 to 1946; and

WHEREAS, Congressman Tim Valentine graduated from the Citadel in 1948 and the University of North Carolina Law School in 1952. He was admitted to the bar that same year, and came to practice law in the Town of Nashville, North Carolina in 1952; and

WHEREAS, Congressman Tim Valentine served our state in the North Carolina House of Representatives from 1955 to 1960; and as Co-Chairman of the Blue Ribbon Study Commission on Agricultural Waste, the Commission for the Future of Justice and Courts in North Carolina, Founding Member and President of Save our State, Founding Member and President of Tar River Land Conservancy, and on the Board of Directors of the North Carolina Biotechnology Center; and

WHEREAS, Congressman Tim Valentine served our country in the United State House of Representatives from 1983 to 1995, serving as Chairman of the Subcommittee on Science, Space and Technology and Chairman of the Subcommittee on Technology, Environment and Aviation; and

WHEREAS, Congressman Tim Valentine was inducted into the Twin County Hall of Fame in 2012; and

WHEREAS, the Nash County Commissioners desire to honor Congressman Tim Valentine for his service to his community, state and nation.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation name a section of US 64 in Nash County, from the overpass on SR 1909 (Old County Home Road) to SR 1003 as the *Congressman Tim Valentine Highway*.

That appropriate signs be erected at a suitable time.

Adopted, this the first day of May 2014 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation



# Strategic Planning Update NC Board of Transportation Working Lunch

Susan Pullium, Director of Strategic Planning

April 30, 2014

# Refining Agency Goals

## May 2013

- Retreat/Workshop:
  - Where are we?
  - Where do we want to go?
  - How do we get there?

## March/April 2014

- Mini-Retreat/Workshop:
  - Proposed a Vision
  - Recommended refinement of Mission, Values and Goals
- Subcommittee: Reviewed all feedback gathered
  - Prepared recommendations for refinements to Value, Mission and Goal Statements

# Vision (DRAFT)

*NCDOT: A global leader in providing innovative transportation solutions*

# Mission (DRAFT)

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

# Values (DRAFT)

*Safety*

*Quality*

*Customer Service*

*Teamwork*

*Integrity*

*Innovation*

*Diversity*

# Goals (DRAFT)

## Themes:

*Customer Service*

*Leverage Infrastructure to Grow the Economy*

*Operate Safely and Efficiently*

# Customer Service Goals (DRAFT)

*Provide GREAT customer service.*

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

# Leverage Infrastructure to Grow the Economy Goals (DRAFT)

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

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

# Operate Safely and Efficiently Goals (DRAFT)

*Make transportation **safer**.*

***Deliver** our projects and programs effectively and efficiently, while continually reducing costs.*

**North Carolina Board of Transportation**  
Economic Development & Intergovernmental Relations  
Room 150, Transportation Building  
Raleigh, NC  
April 2, 2014  
1:21 pm – 1:36pm

**Board Members in Attendance:** Mike Smith, Hugh Overholt, Ferrell Blount, Lou Wetmore, Larry Kernea, John Collett

**Others in Attendance:** Mark Boggs (Atkins), Dan Thomas, Beth McKay, Grant Blumberg (SELC), Aurea Rodriguez, Ed Green, Susan Pullium, Dana Friedrichs

Chair Mike Smith called the meeting to order. Meeting started at 1:21 pm

Mike Smith introduced Mr. Mark Boggs, from Atkins and Susan Pullium, NCDOT Strategic Planning Director, to present an update on the North Carolina Transportation Network (NCTN) framework and Strategic Transportation Corridors (STC).

Susan Pullium opened the presentation with a summary of updates in the planning tools used for NCTN. Following her update, she turned the floor over to Mr. Boggs.

Mr. Mark Boggs opened the presentation as a briefing only, with no requirement for action by the Committee. He began by stating that the working group is continuing to refine the definitions for the framework in terms of regional tiers and a summary of tools that will be used to define those tiers. He is also working with stakeholders to make the NCTN more data driven and incorporate stakeholder metrics. Mr. Boggs then explained further they are refining the definitions as they pertain to facilities and services and how they affect corridors.

Mr. Boggs ended by giving the Board the major milestones over the next three months and in August give an update to Board Committee on the final draft and in September to present the final draft to full Board for approval. (Presentation Attached)

A motion to approve March 5, 2014, Economic Development & Intergovernmental Relations meeting minutes was made by Larry Kernea and seconded by Hugh Overholt. The motion was approved.

Meeting was called to adjourn by John Collett and seconded by Hugh Overholt. Motion passed.

Meeting was adjourned at 1:36 pm



# North Carolina Transportation Network

Update

Economic Development and  
Intergovernmental Relations Committee

April 2, 2014

## Briefing Topics

- Continuing Development of NC Transportation Network Framework

## Requested Action

- Briefing Only – No Action Requested

## RELATIONSHIP OF NCTN TO OVERALL TRANSPORTATION VISION

- Strategic Transportation Investments and Prioritization 3.0 will define NC transportation spending
- The 25 year implementing vision will be a long range vision for Strategic Transportation Investments by creating guiding principles to leverage infrastructure investments to grow the economy
- NC Transportation Network (NCTN) and Strategic Transportation Corridors (STC) define how we achieve that vision

## ACHIEVING THE VISION

To define how the vision is achieved, the study team is working with stakeholders to:

- More consistently label all elements of NC's transportation system by their role in providing mobility and land access (**NCTN**)
- Identify a network of strategic multimodal corridors that link significant activity and serve as critical corridors for statewide goods and person movement (**STCs**)

These tools will support development of CTPs and project development.

## DECEMBER BOARD DIRECTION

- Acceptance of strategic corridors vision and goals
- Acceptance of activity center stratification, with following conditions
  - Ensure adequate inter-state corridor connections
  - Ensure adequate regional distribution of statewide activity centers
  - Modify the threshold of statewide major universities
- No expressed concern over modal mobility definitions

## NCTN FRAMEWORK REFINEMENT

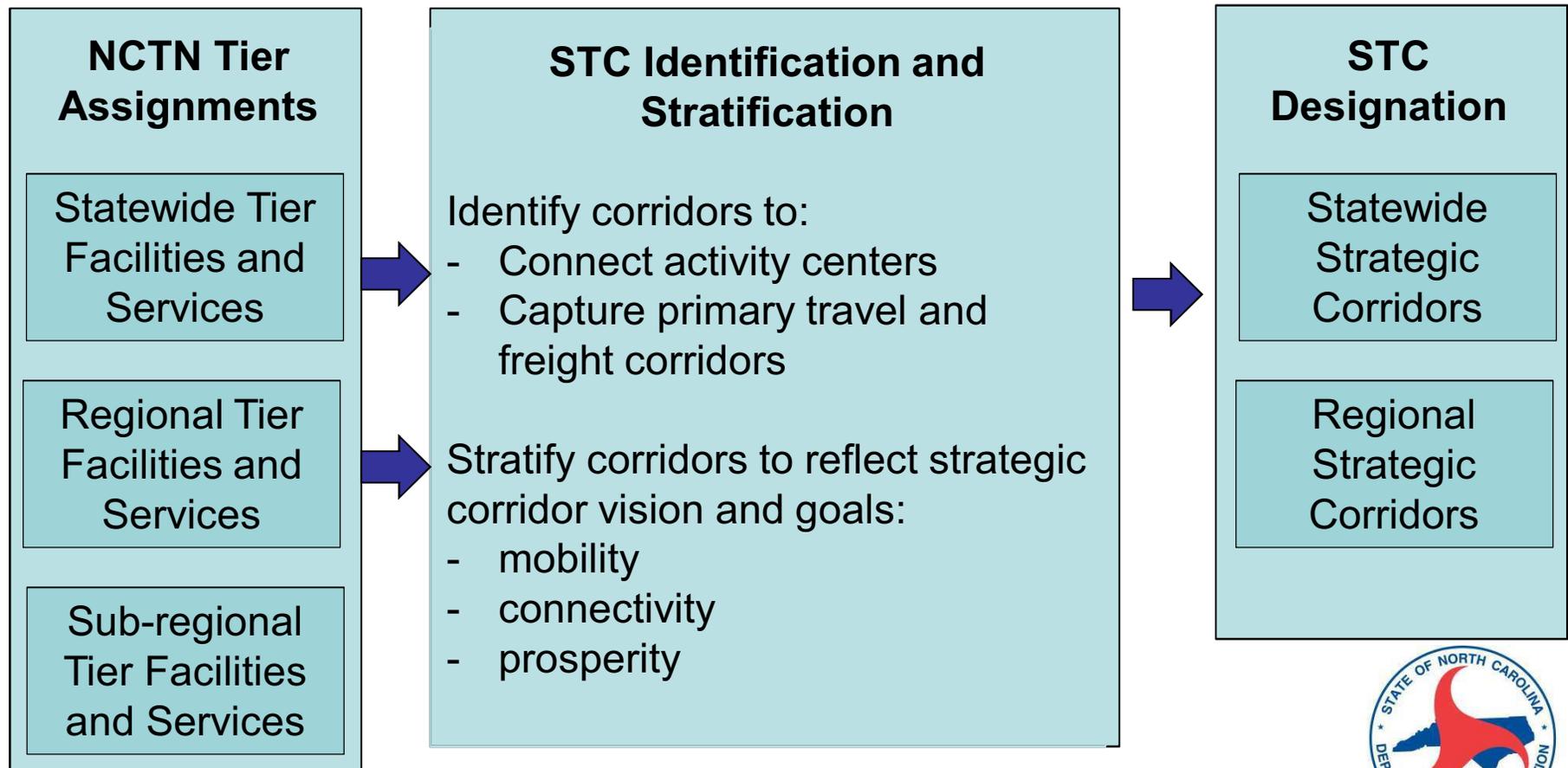
Application of initial framework suggests need for further refinement:

1. Enhanced NCTN tier definitions: data-driven and automated
2. Refined STC identification and stratification process – more than connecting activity centers
3. Clearer link to downstream planning needs: CTPs and project development

## FRAMEWORK REFINEMENT OBJECTIVES

- Refine tier definitions:
  - Improve consistency among tier definitions
  - Remove reference to strategic objectives to ensure they are based on available data
- Expand corridor identification criteria to better reflect corridor goals (mobility, connectivity, prosperity)

# CORRIDOR IDENTIFICATION & STRATIFICATION PROCESS



# NCTN STRUCTURE AND DEFINITIONS

## Primary Products

1. Updated roadway database to define NCTN roadway tiers and assign new STC attribute
2. Specifications/parameters for other modal database revisions
3. NCTN mapping protocols

# CORRIDOR IDENTIFICATION

Base corridor identification on the following:

1. Connecting clusters of activity centers.
2. Capturing facilities serving primary travel corridors which support higher-volume travel markets
3. Capturing facilities serving higher-volume exchanges of goods transport
4. Maximizing consolidation and minimizing redundancy in corridor identification.
5. Cross-checking against old SHCs for critical omissions.

# CORRIDOR STRATIFICATION CRITERIA

Identified candidate multimodal corridors will be scored against objectives and criteria that reflect the strategic corridor goals:

1. **Mobility:** Providing capacity, speed, flexibility, and modal choice for movement of people and goods across the state.
2. **Connectivity:** Providing essential links between the state's regions and between activity center clusters.
3. **Prosperity:** Supporting economic development and efficiency of transport logistics.

# CORRIDOR IDENTIFICATION & STRATIFICATION PRODUCTS

## Primary Products

1. Identified network of statewide and regionally-significant multimodal corridors defined by specified criteria.
2. STC Descriptions
  - Corridor description, including modal facilities and services
  - Primary corridor purpose(s)
  - Facility conditions
3. Improvement Needs/Screening Analysis
  - Mobility challenges and gaps; environmental challenges; economic benefit/objectives; risk threats
  - High-level investment Problem Statement

## NEXT STEPS

### March-April

- Complete Framework Refinement
- Update NCTN tiers in primary NCDOT databases
- Apply corridor criteria to identify and evaluate multimodal strategic corridors
- Develop amendment procedures and revise mapping

## NEXT STEPS

### Spring Outreach

- Advisory Group Consultation
- Regional Workshops: STC identification and stratification
- Tribal Consultation

### Summer

- Board of Transportation approval of strategic corridors

# QUESTIONS?

Terry Arellano, PE, NCDOT [tarellano@ncdot.gov](mailto:tarellano@ncdot.gov)

Mark Boggs, PE, Atkins [mark.boggs@atkinsglobal.com](mailto:mark.boggs@atkinsglobal.com)

**North Carolina Board of Transportation**  
**Economic Development & Intergovernmental Relations Committee**  
**April 30, 2014 – Room 150**

**Purpose: The Economic Development and Intergovernmental Relations Committee will:**

- Foster collaboration and relationships with military partners, legislative leaders, and state agencies (such as DENR, Commerce, and Agriculture) to increase BOT understanding of the impact of other groups’ goals and actions on our priority to connect people, products and services that provide NC the infrastructure needed to be the economic super hub of the southeast.
- Provide oversight and policy guidance in development of and update to the Statewide Multimodal Transportation Plan (STP); direct the implementation of the STP through policy recommendations to the Board; review implementation items from the STP; and provide policy oversight in the identification and visioning of strategic corridors.
- Review proposals for customer service initiatives within DMV.
- Evaluate the effectiveness of the various economic development promoting grant programs carried out by NCDOT at the division level.

**Goals: By the end of the session, members will have:**

- Received an update and participated in discussions regarding ideas generated in previous meetings specific to Agriculture issues.
- Received an update and participated in discussions regarding ideas generated in previous meetings specific to Military issues.

What	How	Who	When
Call to Order		Mike Smith, Chair	1:00 – 1:05
Approval of Meeting Notes			
Quarterly Update: • Agriculture • Military	Presentation & Whole Group Discussion	Mike Smith, Chair Sebastian Montagne, Strategic Planning	1:05-1:25
Closure	Next Steps  Announcements	Mike Smith, Chair	1:25-1:30
General Meeting Time for Committee Members	Various Locations	Various Committee Members	1:30 – 3:00

**Next Meeting:** June 4, 2014 (1:00-3:00 p.m.)

Minutes  
North Carolina Board of Transportation  
Funding and Appropriations Strategies Committee  
April 2, 2014

Committee Attendance:

Cheryl McQueary, Chair	James R. Palermo
Jim Crawford, Co-Chair	John D. Lennon
David Brown	Malcom K. Fearing
David Burns	Andrew M. Perkins, Jr.
	Mark L. Foster, Committee Staff

Chairman McQueary opened the meeting. The March minutes were presented for approval with Mr. Palermo moving to approve the minutes as presented, seconded by Mr. Crawford and approved unanimously.

Chairman McQueary stated that since the inception of the committee most of the presentations had focused on providing members with background information on revenue sources and no vote had been or would be taken at this meeting to recommend new transportation revenue sources. Ms. Leigh Lane and Mr. Larry Goode used slides to summarize the finding of their literature research and the recommendation of transportation revenue enhancement contained in the report prepared for NCDOT. There were several questions about the pricing and equity issues with a mileage based user fee implementation. There was concern expressed about backfilling the NC General Fund if Highway Funds transfers to the General Fund were eliminated. There was some discussion about the federal role and implication of transportation financing.

NC Go! Co-Chairs Marc Finlayson, Highway 17 Association, and Mr. Berry Jenkins, Carolinas AGC, gave a presentation that covered the purpose of the NC Go! organization and what role it has played in recent years to protect the motor fuel tax rate from being capped, stopping transfers from the highway trust fund, and other state and federal transportation initiatives. They indicated that over the years NC GO! had conducted a survey to gather public transportation perceptions. In addition, they discussed the organization's policy priorities and ideas for short and long term range transportation revenue enhancements.

Chairman McQueary indicated that MPO and RPO association representatives would be presenting their transportation revenue solutions at the next meeting. There being no further business, the meeting was adjourned at 2:52 PM.

**North Carolina Board of Transportation**  
**Funding & Appropriations Strategies Committee (FAST)**  
**Wednesday – April 30, 2014, 1:00 PM - Meeting Location: EIC**

**Purpose: The Funding & Appropriations Strategies Committee will:**

Fiscally enable the delivery of transportation solutions that connect and support the economic resources of our state and preserve the infrastructure and safety of North Carolina’s transportation system by:

- Introduce revenue reform (including innovative finance) to support the 5 & 10 year delivery programs and the long-range plan
- Obtain Public Information Office support to raise public awareness of today’s transportation utility value and solicit input on future funding options to enhance NC’s economy and preserve its quality of life
- Provide budget oversight & reporting
- Maintain fiscal integrity and control

**Goals: By the end of the session, members will have:**

A further understanding of the state budgetary process, revenue forecasting process and the 10 year outlook as well as an update on the I-77 P3 project. In addition (MPO/RPO transportation funding options perspective, detail discussion on potential revenue options – see list below).

<b>What</b>	<b>How</b>	<b>Who</b>	<b>When</b>
Call to Order; Approval of April meeting notes		Cheryl L. McQueary, Chair	1:00 – 1:05
MPO Presentation	Discussion Information	Tyler Myer	1:05 – 1:25
RPO Presentation	Discussion Information	Patrick Flanagan	1:25 – 1:45
DMV Service Location (Eastern Mobile Unit Schedule Criteria)		Randy Dishong	1:45 – 2:05
Break		All	2:05 – 2:15
2015 Budget Review – Governor’s Budget	Discussion/ Information	Stephanie King	2:15 – 2:25
10 Year Revenue Forecast	Discussion/ Information	H. Tasaico	2:25 – 2:40
Major Projects: I-77 P3 Update	Discussion Information	Rodger Rochelle	2:40 – 2:55
Comments and Wrap-up		Cheryl L. McQueary, Chair	2:55 – 3:00

**Next Meeting:** June 4, 2014 (1:00 to 3:00 pm)

North Carolina  
DEPARTMENT OF TRANSPORTATION

**DMV**  
**Service Placement Strategy**

Deputy Commissioner Randy Dishong

April 30, 2014

# Service Placement Strategy

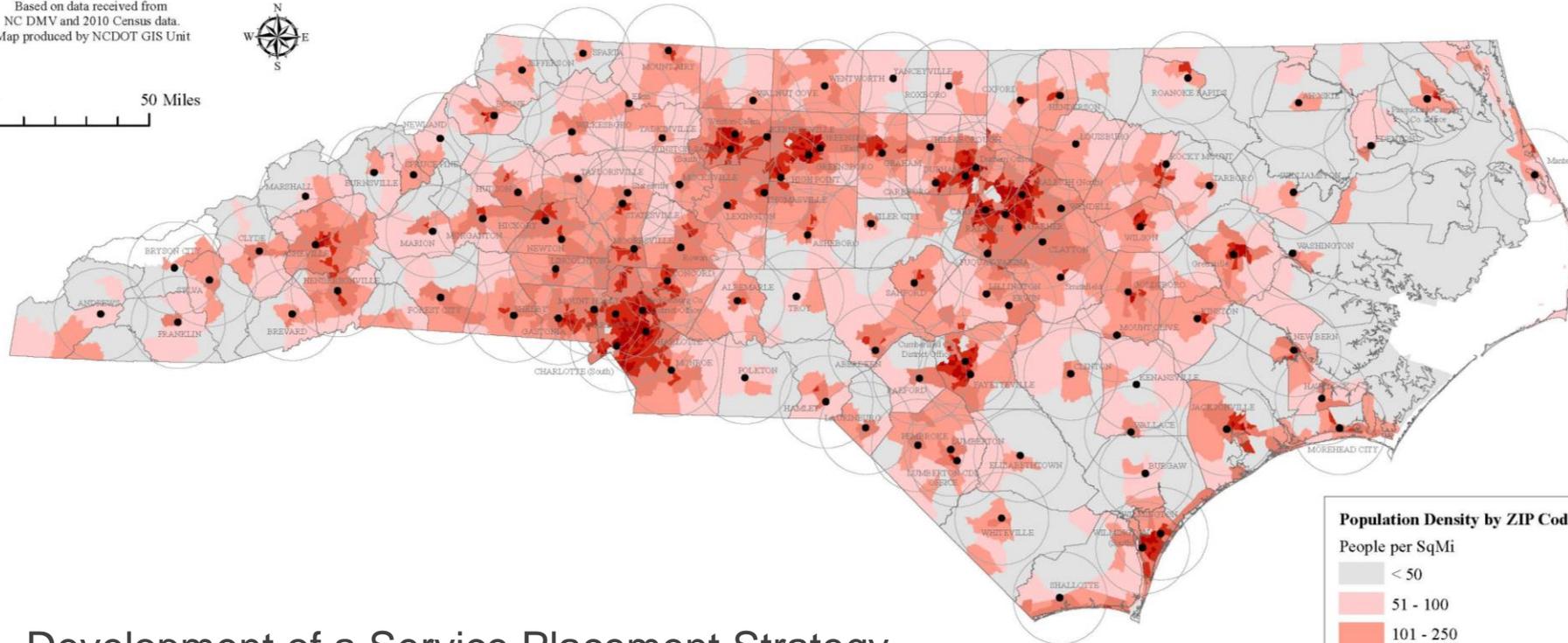
- Current Concerns
  - Limited outlets or channels available to our customers
  - Under & over utilization of resources is evident
  - Operating costs are high



March 2014  
Based on data received from  
NC DMV and 2010 Census data.  
Map produced by NCDOT GIS Unit



0 50 Miles



## Development of a Service Placement Strategy

- Key Drivers
  - Customer access to service locations
  - Optimization of staff and resources
  - Cost per transaction

According to 2010 Census data, approximately 9,256,463 people currently live within 15 miles of a DMV Driver's License Facility out of a total population of 9,535,483.

This constitutes 97.07% of the total population of North Carolina.

# Service Placement Strategy

- First Priority: Mobile Unit Program
  - Inefficient & ineffective channel offering in our current state
  - Significant impact to customers
    - Vehicles are failing and unreliable
  - Significant impact to business
    - High operating and maintenance costs

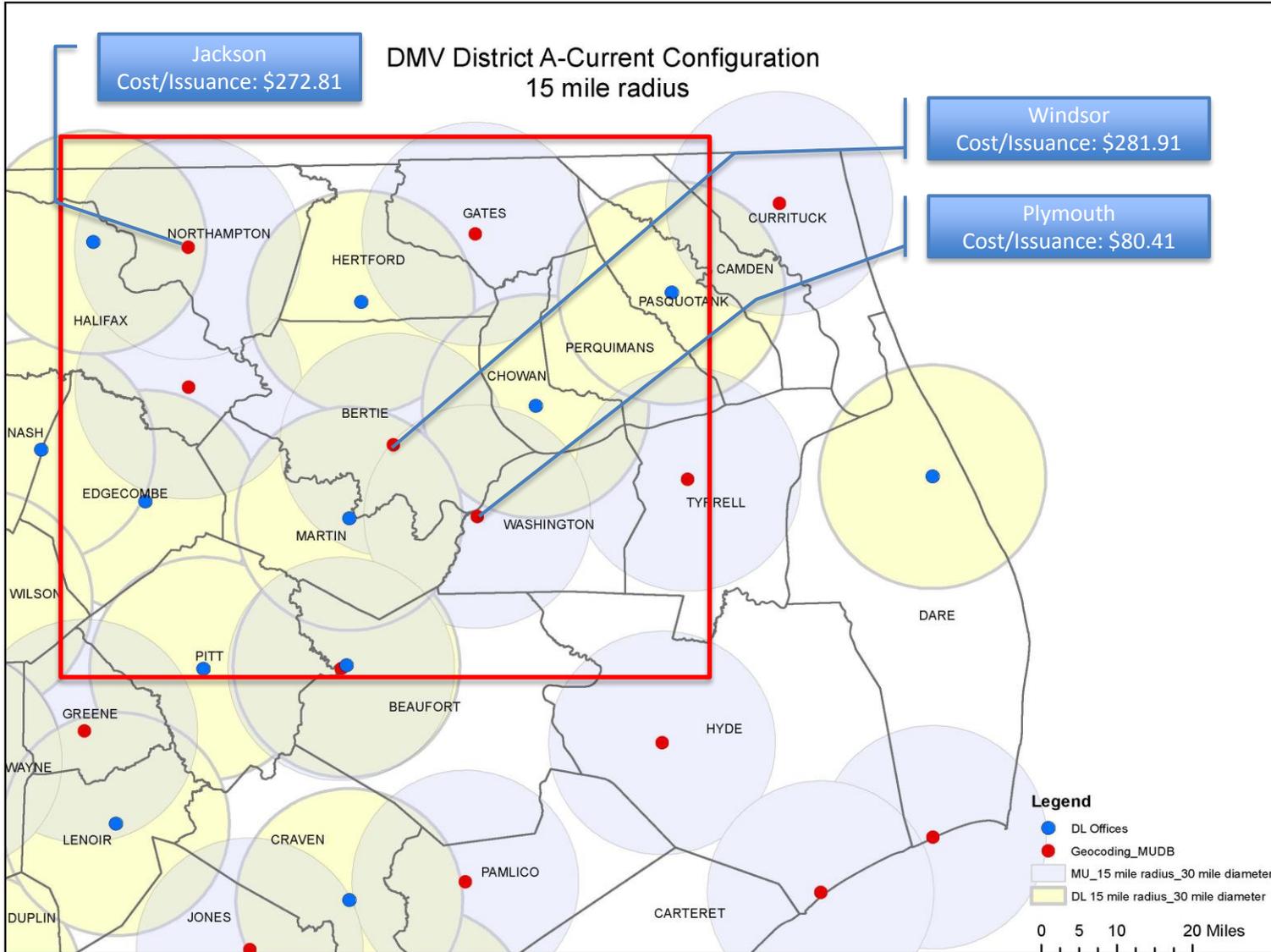
# Upcoming Actions

- Realignment of service placement and channels according to established criteria
  - **Phase I**
    - Mobile Unit Stop Deletions (Eastern Region)

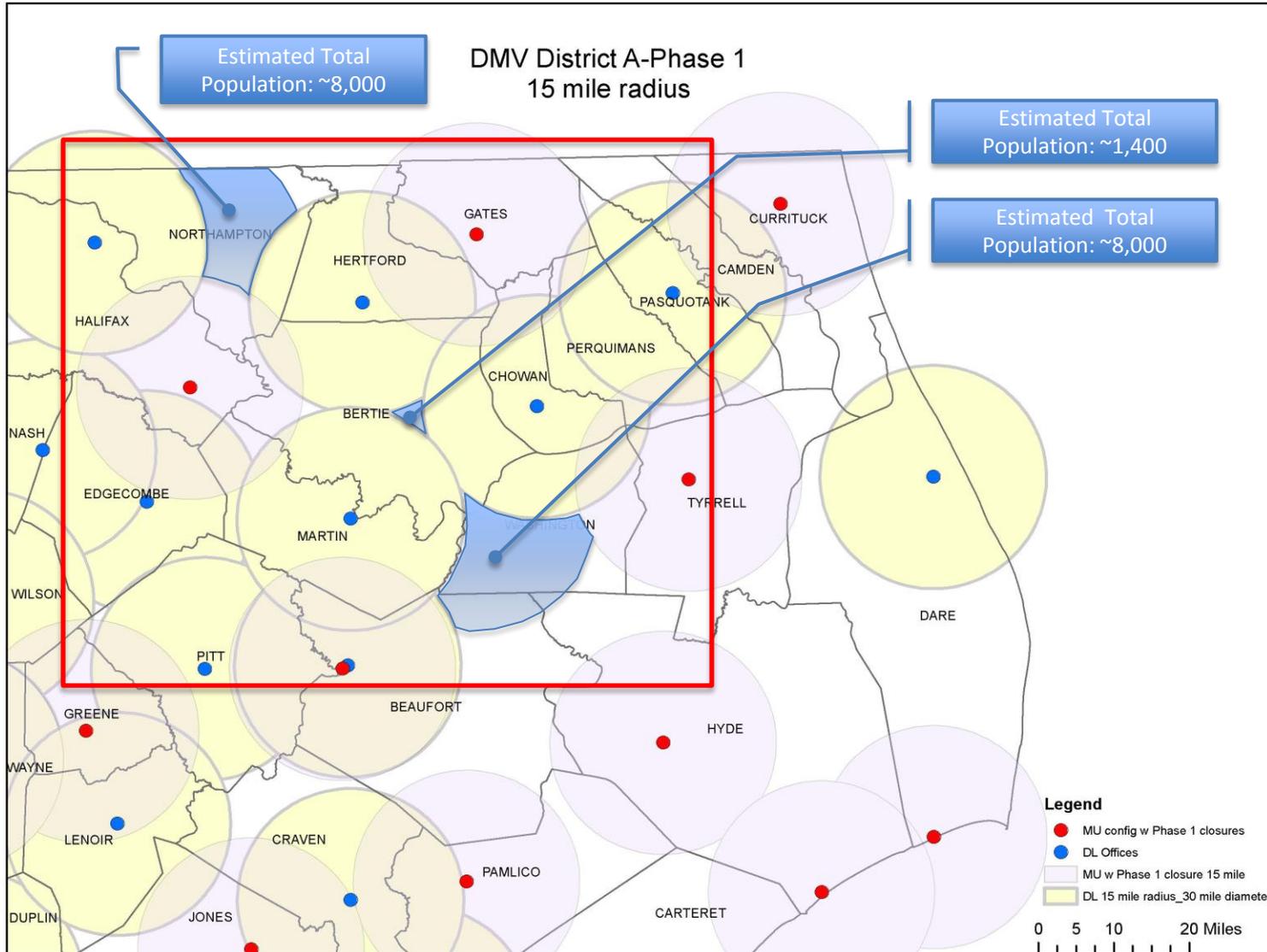
Location	County	Average Monthly Issuance for past 3 years	Average Cost per Issuance for past 3 years	Nearest alternate service location from deleted stop
Windsor	Bertie	4.5	\$281.91	12 miles
Jackson	Northampton	5.5	\$272.18	18 miles
Plymouth	Washington	14.8	\$80.41	21 miles

- Consecutive phases under development

# Current Mobile Unit Service Placement



# Adjusted Mobile Unit Service Placement





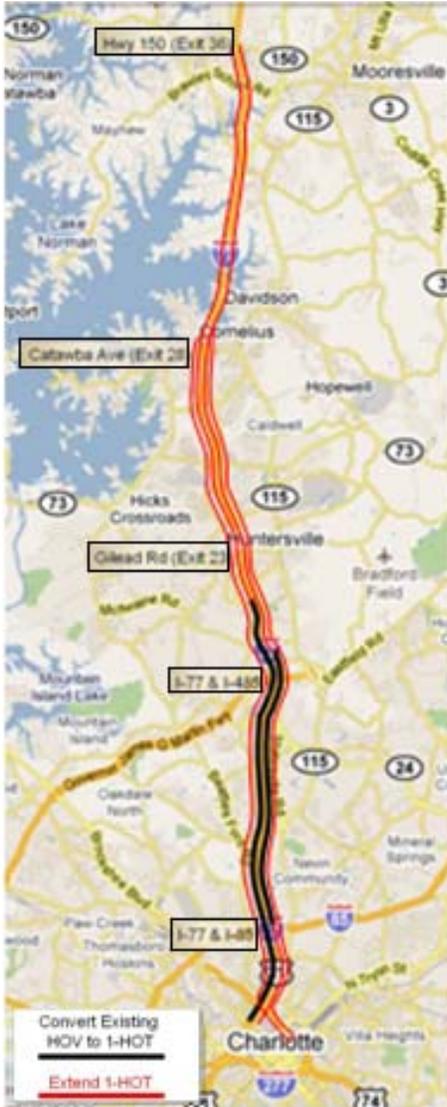
# **I-77 HOT Lanes Project**

## Project Update

Rodger Rochelle

April 2014

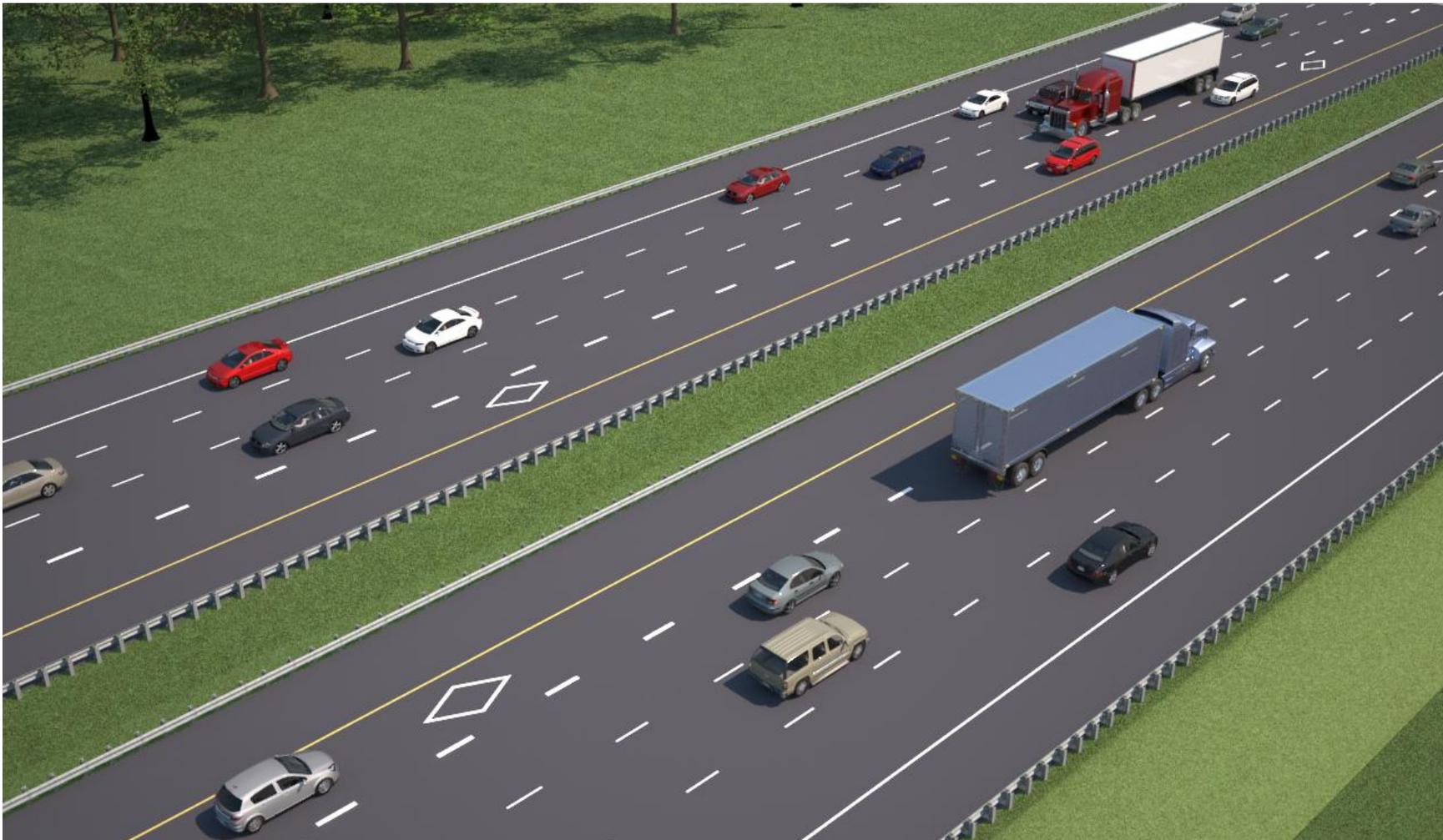
## Project Description



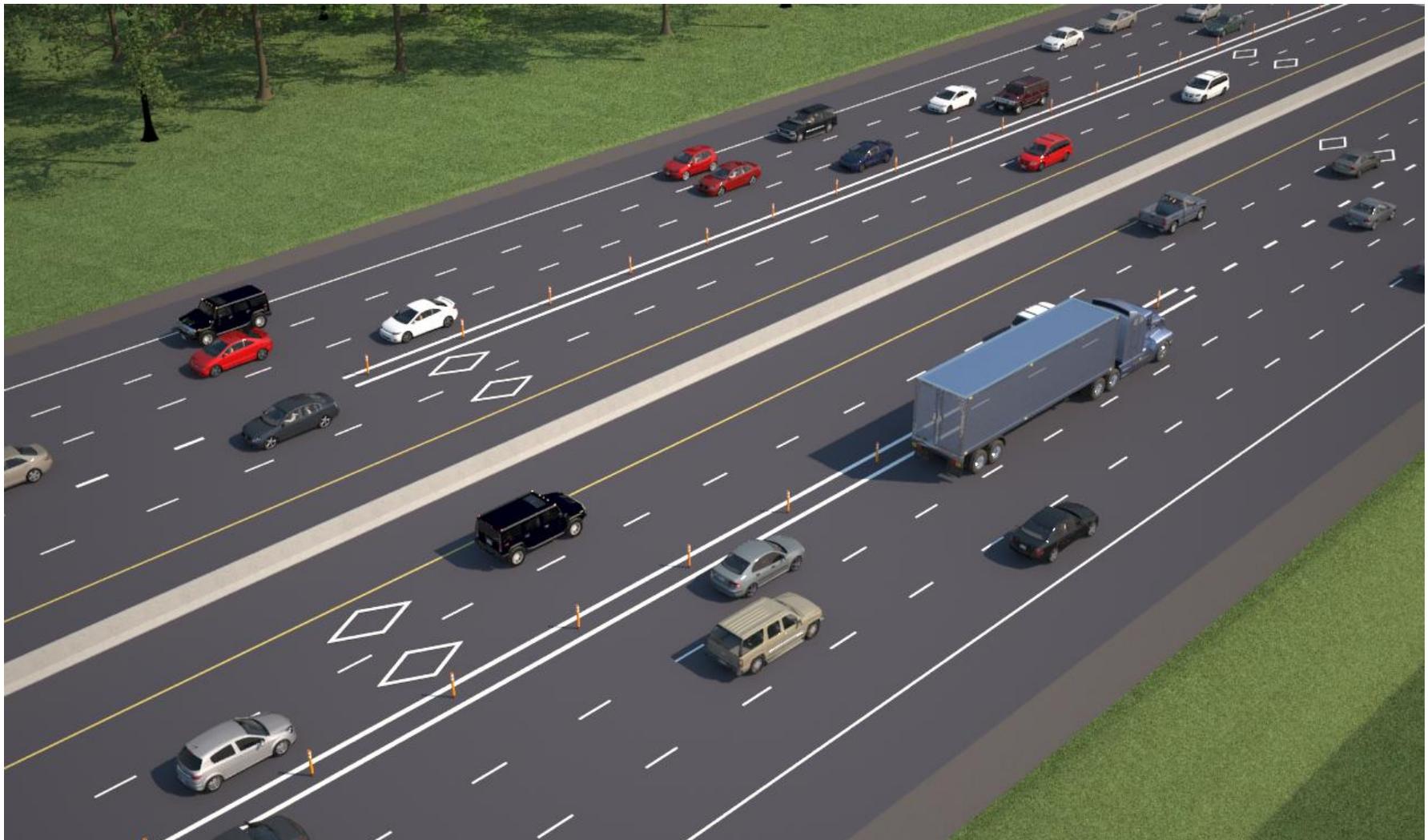
- In 2009, NCDOT conducted a Fast Lanes Study that analyzed 12 corridors in a 10 county region. The Charlotte City council identified the I-77 corridor in Charlotte-Mecklenburg as a candidate for High Occupancy Toll (HOT) lanes.
- The I-77 corridor is critical to the region as the only major North-South connection in the vicinity.
- The Project is critical for improving mobility and long term economic growth in the region; currently I-77 is one of the most congested corridors in the state.
- The Project scope addresses a comprehensive long-term congestion management solution for the corridor through the use of HOV3+ policy, HOT lanes and supports future expansion of transit.
- The Project implements HOT lanes through a Public-Private Partnership (P3).

Section	HOT Lanes	Section Limits
South	2	2.5 miles on I-77 and 1.25 miles on I-277 with direct HOT lane connector to I-277
Central	2	15 miles from I-77/I-85 interchange to Exit 28 (Catawba Avenue)
North	1	8 miles generally from Exit 28 to Exit 36 (NC 150)

## I-77 South Section existing configuration



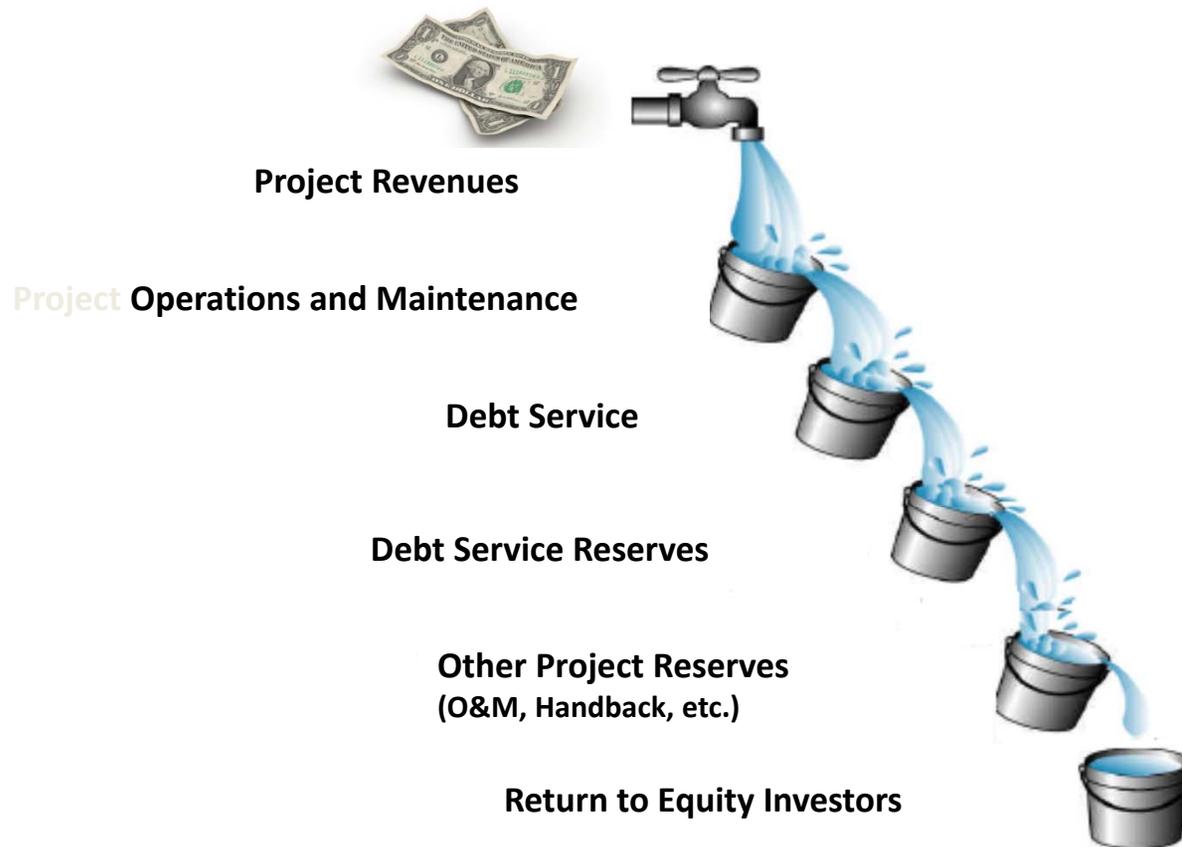
## I-77 South Section proposed configuration



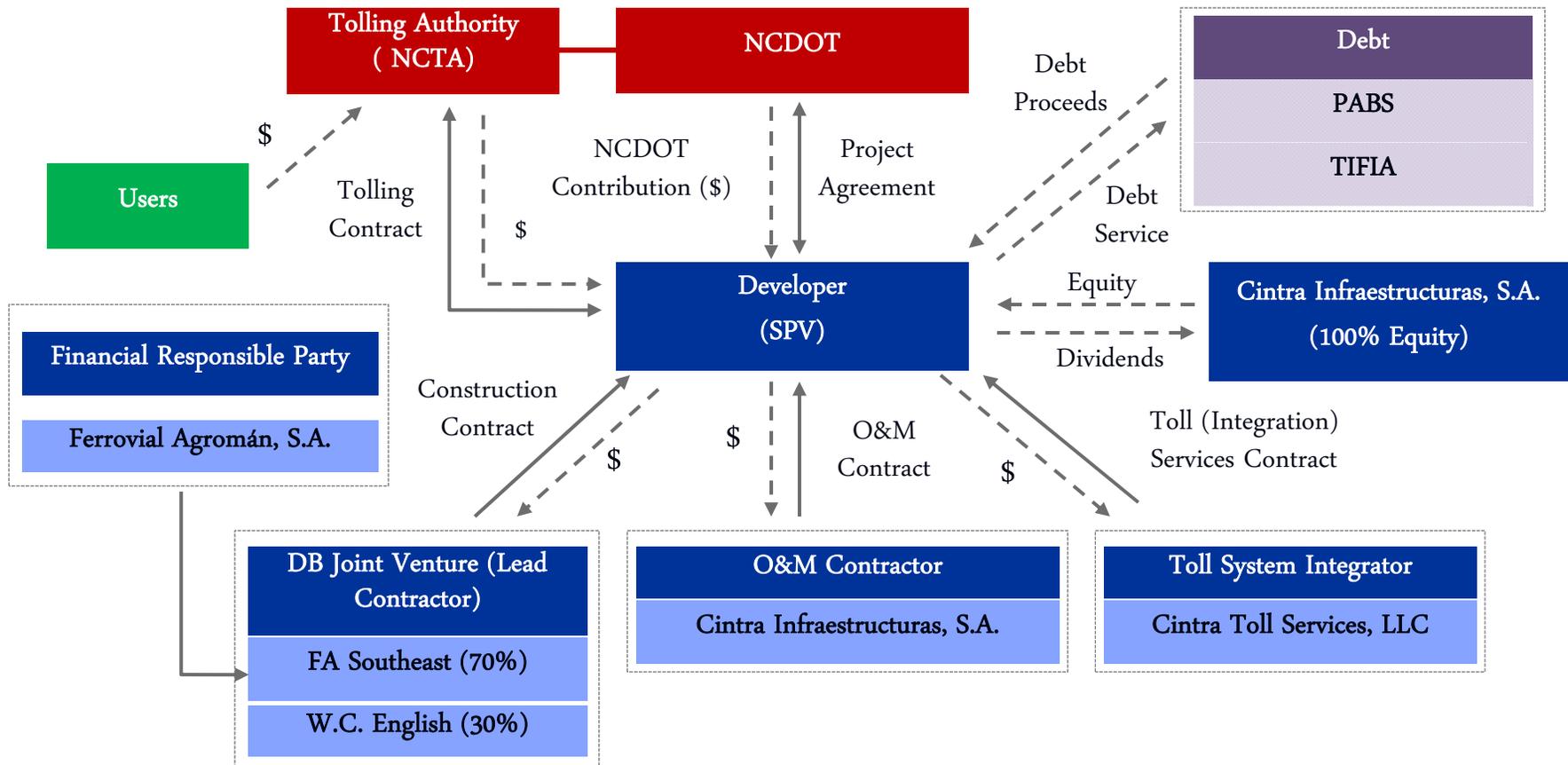
## Key benefits of this P3 model

- Risk transfer
  - Developer responsible for design, construction, financing, operation and maintenance (O&M) risks
  - Developer is responsible for cost overruns during construction and operating phases
  - Private sector accepts revenue risk
- Accelerate schedule and improve schedule certainty
- Performance-based technical requirements
- High level of customer service
- Whole-life cost optimization
- Private capital at risk and known/capped public investment
- Private sector expertise and innovation
- Single point of contact and accountability

## Cash Waterfall in Typical P3 Transactions



# Project Structure



# I-77 contractual documents

- Instructions to Proposers (Vol.I)
- Comprehensive Agreement (Vol.II, Book 1)
- Technical Provisions (Vol.II, Book 2)
- Specifications, Standards and Manuals (Vol.II, Book 3)

— STATE OF NORTH CAROLINA—  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

**THIRD INDUSTRY REVIEW DRAFT  
REQUEST FOR PROPOSALS, VOLUME I  
INSTRUCTIONS TO PROPOSERS**

TIP I-3311C, I-5405, I-4750  
December 18, 2012




DATE AND TIME OF PROPOSAL SUBMISSION: July 26, 2013 BY 3:00 PM

CONTRACT ID: [XXX]

WBS ELEMENT NO. [XXX]

FEDERAL-AID NO. [XXX]

COUNTY: Mecklenburg and Iredell Counties

ROUTE NO. I-77 and I-277

LOCATION: I-77 from I-277 to Exit 36, and I-277 from I-77 to Exit 3A/B

TYPE OF WORK: PUBLIC PRIVATE PARTNERSHIP FOR I-77 HOT LANES AS SPECIFIED IN THE RFP

NOTICE:

ALL PROPOSERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE PROPOSER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE PROPOSAL IS \$100,000 OR MORE EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. PROPOSERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA, NOT WITHSTANDING THESE LIMITATIONS ON BIDDING. THE PROPOSER WHO IS AWARDED ANY PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF ANNOUNCEMENT OF APPARENT BEST VALUE PROPOSER, REGARDLESS OF FUNDING SOURCES.

North Carolina Department of Transportation  
I-77 HOT Lanes Project

Request for Proposals  
Volume I – Instructions to Proposers

— STATE OF NORTH CAROLINA—  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

**THIRD INDUSTRY REVIEW DRAFT  
REQUEST FOR PROPOSALS, VOLUME II  
COMPREHENSIVE AGREEMENT**

TIP I-3311C, I-5405, I-4750  
December 18, 2012



DATE AND TIME OF PROPOSAL SUBMISSION: July 26, 2013 BY 3:00 PM

CONTRACT ID: [XXX]

WBS ELEMENT NO. [XXX]

FEDERAL-AID NO. [XXX]

COUNTY: Mecklenburg and Iredell Counties

ROUTE NO. I-77 and I-277

LOCATION: I-77 from I-277 to Exit 36, and I-277 from I-77 to Exit 3A/B

TYPE OF WORK: PUBLIC PRIVATE PARTNERSHIP FOR I-77 HOT LANES AS SPECIFIED IN THE RFP

NOTICE:

ALL PROPOSERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE PROPOSER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE PROPOSAL IS \$100,000 OR MORE EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. PROPOSERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA, NOT WITHSTANDING THESE LIMITATIONS ON BIDDING. THE PROPOSER WHO IS AWARDED ANY PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF ANNOUNCEMENT OF APPARENT BEST VALUE PROPOSER, REGARDLESS OF FUNDING SOURCES.

North Carolina Department of Transportation  
I-77 HOT Lanes Project

Request for Proposals  
Volume II – Comprehensive Agreement

— STATE OF NORTH CAROLINA—  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

**THIRD INDUSTRY REVIEW DRAFT  
REQUEST FOR PROPOSALS, VOLUME II  
BOOK 2, TECHNICAL PROVISIONS**

TIP I-3311C, I-5405, and I-4750  
December 18, 2012



DATE AND TIME OF PROPOSAL SUBMISSION: [XXX]

CONTRACT ID: [XXX]

WBS ELEMENT NO. [XXX]

FEDERAL-AID NO. [XXX]

COUNTY: Mecklenburg and Iredell Counties

ROUTE NO. I-77 and I-277

LOCATION: I-77 from I-277 to Exit 36, and I-277 from I-77 to Exit 3A/B

TYPE OF WORK: PUBLIC PRIVATE PARTNERSHIP FOR I-77 HOT LANES AS SPECIFIED IN THE RFP

NOTICE:

ALL PROPOSERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE PROPOSER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE PROPOSAL IS \$100,000 OR MORE EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. PROPOSERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA, NOT WITHSTANDING THESE LIMITATIONS ON BIDDING. THE PROPOSER WHO IS AWARDED ANY PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF ANNOUNCEMENT OF APPARENT BEST VALUE PROPOSER, REGARDLESS OF FUNDING SOURCES.

North Carolina Department of Transportation  
I-77 HOT Lanes Project

Request for Proposals  
Volume II – Technical Provisions

— STATE OF NORTH CAROLINA—  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

**THIRD INDUSTRY REVIEW DRAFT  
REQUEST FOR PROPOSALS, VOLUME II  
SPECIFICATIONS, STANDARDS, MANUALS AND  
GUIDELINES**

TIP I-3311C, I-5405, and I-4750  
December 18, 2012



DATE AND TIME OF PROPOSAL SUBMISSION: [XXX]

CONTRACT ID: [XXX]

WBS ELEMENT NO. [XXX]

FEDERAL-AID NO. [XXX]

COUNTY: Mecklenburg and Iredell Counties

ROUTE NO. I-77 and I-277

LOCATION: I-77 from I-277 to Exit 36, and I-277 from I-77 to Exit 3A/B

TYPE OF WORK: PUBLIC PRIVATE PARTNERSHIP FOR I-77 HOT LANES AS SPECIFIED IN THE RFP

NOTICE:

ALL PROPOSERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE PROPOSER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE PROPOSAL IS \$100,000 OR MORE EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. PROPOSERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA, NOT WITHSTANDING THESE LIMITATIONS ON BIDDING. THE PROPOSER WHO IS AWARDED ANY PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF ANNOUNCEMENT OF APPARENT BEST VALUE PROPOSER, REGARDLESS OF FUNDING SOURCES.

North Carolina Department of Transportation  
I-77 HOT Lanes Project

Request for Proposals  
Volume II – Specifications, Standards, Manuals and Guidelines

## Summary of Commercial Terms

Term	Comment
<b>Toll Concession</b>	Construction + 50 years (operations)
<b>Revenue Risk</b>	Assumed by Concessionaire
<b>Exempt vehicles</b>	<ul style="list-style-type: none"> <li>• HOV3+</li> <li>• CATS Buses</li> <li>• Emergency Vehicles</li> <li>• <i>Trucks are excluded from the lanes</i></li> </ul>
<b>Dynamic Pricing</b>	To be used for Congestion Management
<b>All Electronic Tolling</b>	To be Interoperable with NC Quick Pass & Eastern Transponders (E-ZPass, etc.)
<b>Standards</b>	<p>To be met or exceeded:</p> <ul style="list-style-type: none"> <li>• OSPS - Average Speed of no less than 10 miles-per-hour under the posted speed limit on the HOT Lanes 90% of the time</li> <li>• Federal standards per Title 23, United States Code (USC) Section 166: Average Speed of no less than 45 mph on the HOT Lanes 90% of the time</li> </ul>
<b>Performance Standards</b>	Linked to non-compliance system of increased oversight for the respective standards and system for liquidated damages

## Other Key Contract Terms

- NCDOT oversees the design and construction work to ascertain that it is performed in accordance with the contract
- General Purpose lanes treated the same as new managed lanes
- All right of way (ROW) will be acquired for and in the name of NCDOT, but Concessionaire performs ROW acquisition services
- Concessionaire is responsible for acquiring permits
- Concessionaire bears all cost and schedule risks, subject to certain exclusions
- Concessionaire will be assessed liquidated damages for failing to achieve final acceptance of each Project Section and final completion of all Project Sections by the required deadlines
- Concessionaire will be assessed liquidated damages for lane closures outside of prescribed hours
- Concessionaire is responsible for “fence-to-fence” OMR services based on prescribed performance specifications
- Handback Requirements specify asset conditions at the end of the contract including residual life supported by “Handback Requirements Reserve”) held by a trustee or a letter of credit
- NCDOT is not prohibited from constructing new transportation facilities within the ROW; concessionaire may be entitled to compensation for Unplanned Revenue Impacting Facilities
- Concessionaire must reach financial close by the specified deadline; otherwise, the concessionaire’s \$15 million financial close security will be subject to forfeiture
- Lenders have the right to cure and step-in in the event of a default by the concessionaire. NCDOT may terminate the agreement for concessionaire default in the event the concessionaire and/or lender fails to cure within the applicable cure period. NCDOT may terminate for convenience with compensation.

## NCDOT Public Funds Contribution

- Cintra's Public Funds Amount (PFA) request of \$88.2 million is below the maximum amount (\$170 million) set by NCDOT
- Developer has proposed infusing the public funds at the latter stages of construction (contract only required pro rata investment)
- Cintra has also assumed a contingent DRAM amount of \$75 million to satisfy the rating agencies in the revenue downside case, although no DRAM is projected to be used in the base case
- Fixed annual payment (\$1 Million) for maintenance of the General Purpose (GP) Lanes commensurate with current maintenance contract

## Risk Sharing – *Pre Financial Close*

Term	Sharing	Description
<b>Base Rate Movements</b>	100% NCDOT exposure (up to 125bps)	NCDOT will bear the risk, up to the Interest Rate Buffer Amount (125bps), and have the benefit of any decreases in Benchmark Interest Rate(s) from Financial Proposal Due Date to Financial Close
<b>Credit Spread Movements</b>	100% NCDOT exposure	NCDOT will bear 100% of the risk and have 100% of the benefit of Credit Spread Fluctuation, if any, (either positive or negative) from 10 days prior to Financial Proposal Due Date to Financial Close
<b>Quantitative Changes to TIFIA Term Sheet Assumptions</b>	100% NCDOT risk 50% NCDOT benefit	NCDOT will bear 100% of the risk and have 50% of the benefit on quantitative changes to the TIFIA Term Sheet Assumptions (either positive or negative)
<b>Design-Build Price after 210 days from Financial Proposal Date</b>	100% NCDOT risk	From 210 days after Financial Proposal Due Date, NCDOT shall compensate the Developer for adjustments to the Design-Build Contract Price as a result of inflation in materials and labor rates (based on Construction Cost Index)
<b>120-day Developer Extension of Project Financing Deadline</b>	100% Developer risk 50% NCDOT benefit	Developer shall have the option to extend the Project Financing Deadline for an additional 120-day period. Developer shall not be entitled to any positive adjustments in the Public Funds Amount or Interest Rate Buffer Amount during such 120-day extension period. NCDOT shall be entitled to 50% of the benefit, if any

## Risk Sharing – *Post Financial Close*

Term	Sharing	Description
<b>Toll Revenue Sharing</b>	Tiered Bands (NCDOT receives 0%/12.5%/25% /50%/75%)	Developer shall make Revenue Payments to NCDOT to the extent cumulative Toll Revenues exceed pre-determined floor (to be dedicated to corridor improvements)
<b>Refinancing Gain</b>	50% NCDOT benefit	Except for an Exempt Refinancing, Developer shall pay to NCDOT an amount equal to 50% of the Refinancing Gain according to the prescribed formula

## Key Milestones and Activities

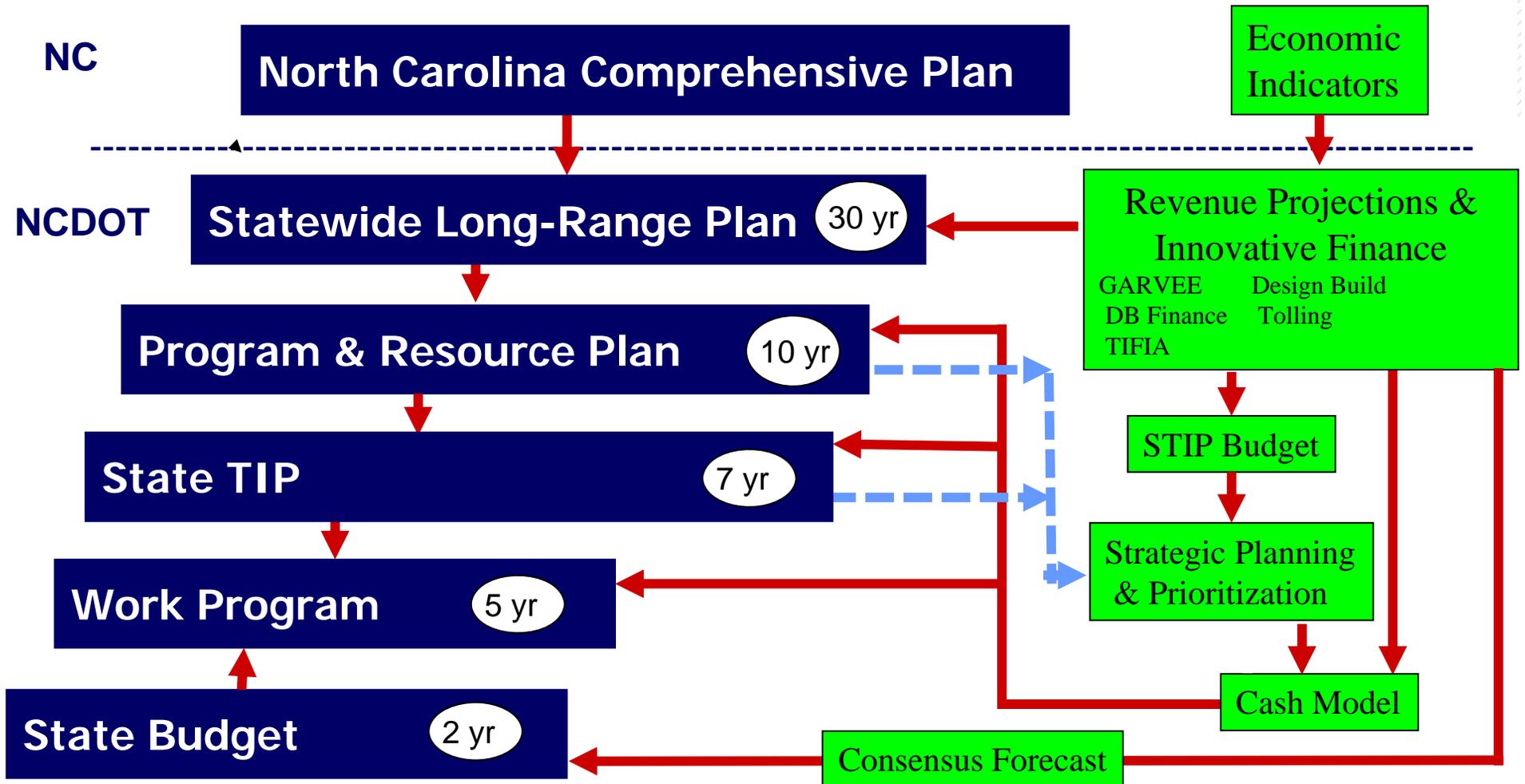
- **March 30, 2012 – four (4) proposers were shortlisted**
- April 6, 2012 – Issued draft RFP to shortlisted proposers with FHWA input
- April 19, 2012 – Issued draft Comprehensive Agreement and Technical Provisions
- May 9-10, 2012 – Round 1: Bidder one-on-one meetings
- July 27-28, 2012 – Round 2: Bidder one-on-one meetings
- **August 7, 2012 – Submitted TIFIA LOI MAP-21 requesting TIFIA loan of \$221m (based on 41% of “eligible costs”)**
- September 6-7, 2012 – Bidder T&R Workshop
- February 6-7, 2013 – Round 3: Bidder one-on-one meetings
- **April 16, 2013 – Received approval for provisional PABs allocation of \$350m**
- **April 26, 2013 – Obtained initial point-in-time indicative investment grade rating from Fitch Ratings**
- September 2013 – Submitted FHWA cost estimate review
- March 18, 2014 – Issued final RFP (Addendum 7)
- **March 31, 2014 – Technical and financial proposal due date**
- **April 11, 2014 – Announce Apparent Best Value – Cintra Infraestructuras, S.A.**
- **April – June, 2014 – Various Reporting and Conformance of Contract Documents**
- **June, 2014 – Commercial Close**
- **4<sup>th</sup> Quarter, 2014 – Financial Close**
- **2015 – 2018 - Construction**



## **Transportation Revenue Forecasting**

H. Tasaico, PE  
April 30, 2014

# How Does it All Fit Together





## Transportation Vehicles & Needs



## NC Highway Commission (March 5, 1915)



## State Funding



Motor Fuel Tax  
60%

Highway  
Use  
Tax 15%

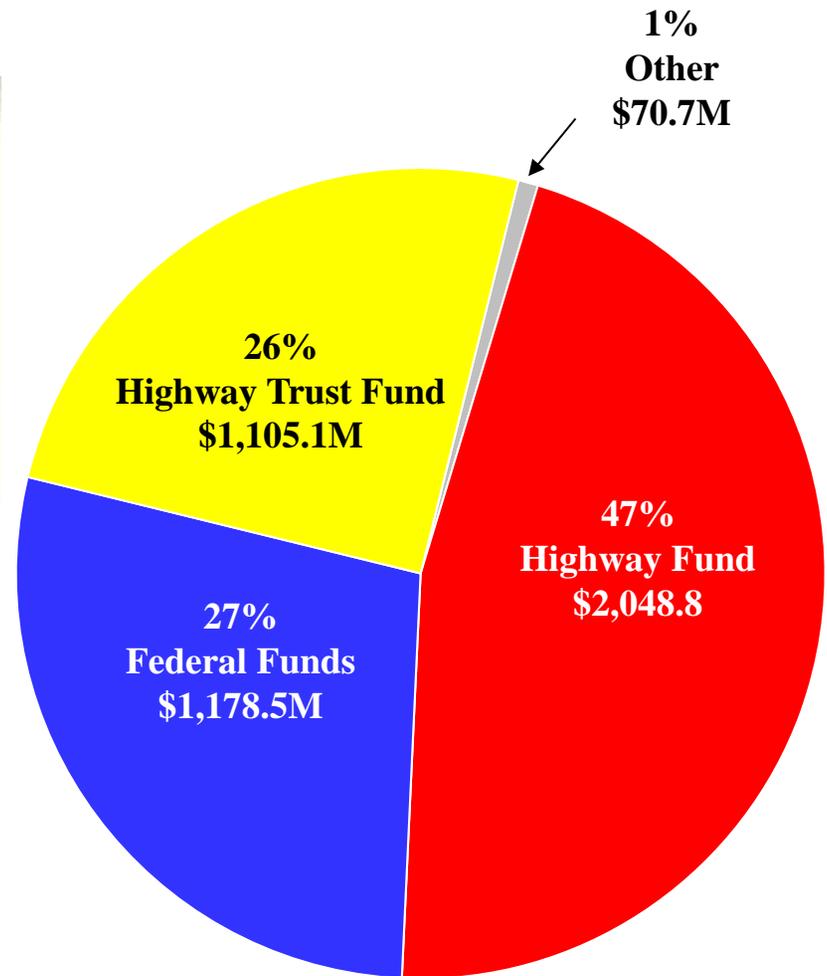
Fees  
25%

## Federal Funding

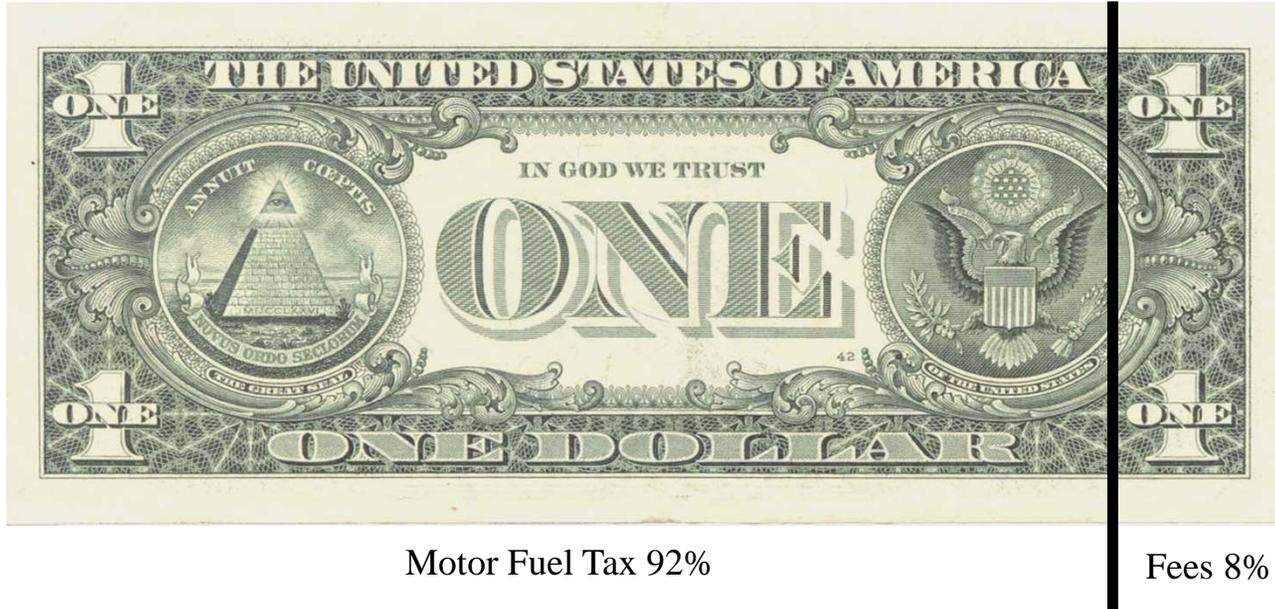


Motor Fuel Tax 92%

Fees 8%



## Federal-aid Highway Program



- Motor Fuel Tax: 18.4 cpg gasoline & 24.6 cpg diesel
- Truck Sales: 12% of retail price (trucks over 33,000 lbs. or trailers over 26,000 lbs. gross vehicle weight)
- Truck Use: Up to 55,000 lbs. No tax Over 55,000 lbs. \$100 + \$22/1000 lbs. (\$550 maximum)
- Tires: 9.45 cents for each 10 lbs. exceeding 3500 lbs. maximum rated load capacity (4.725 cents for bias-ply or super single tire)

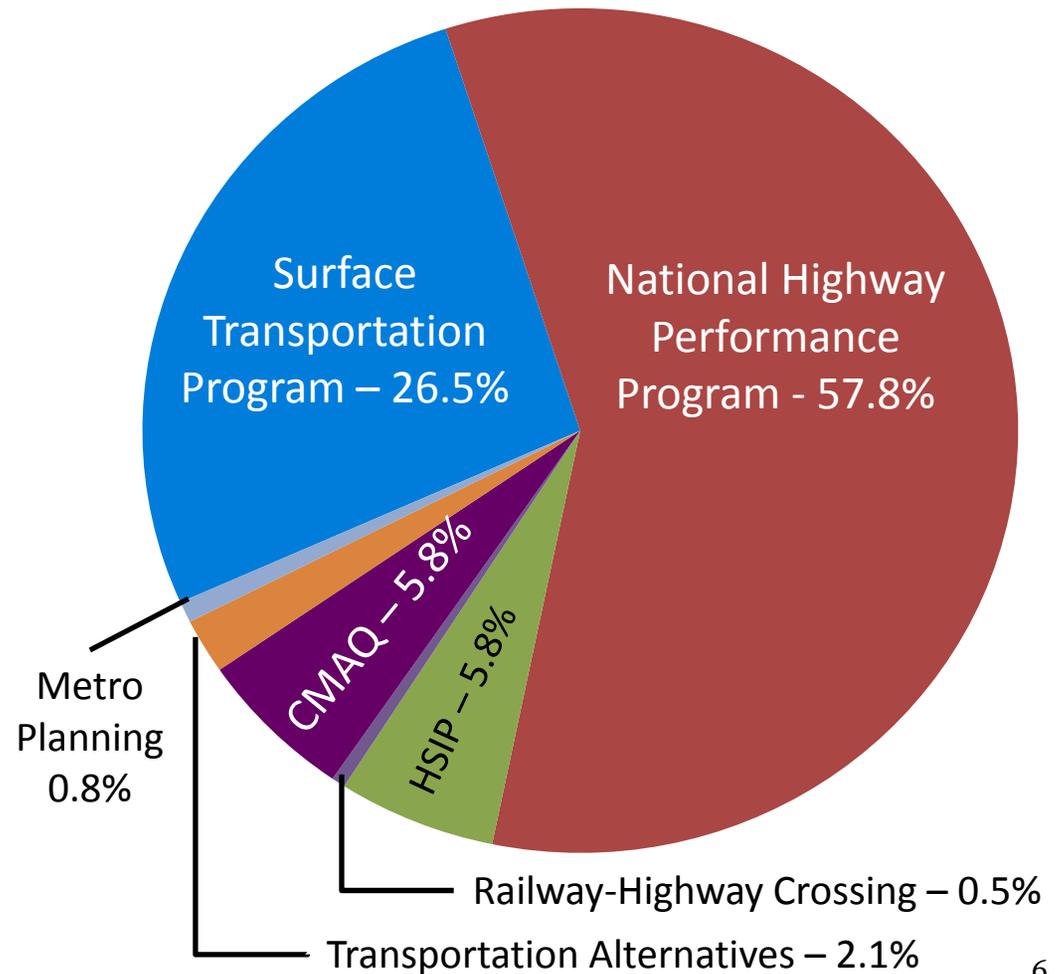
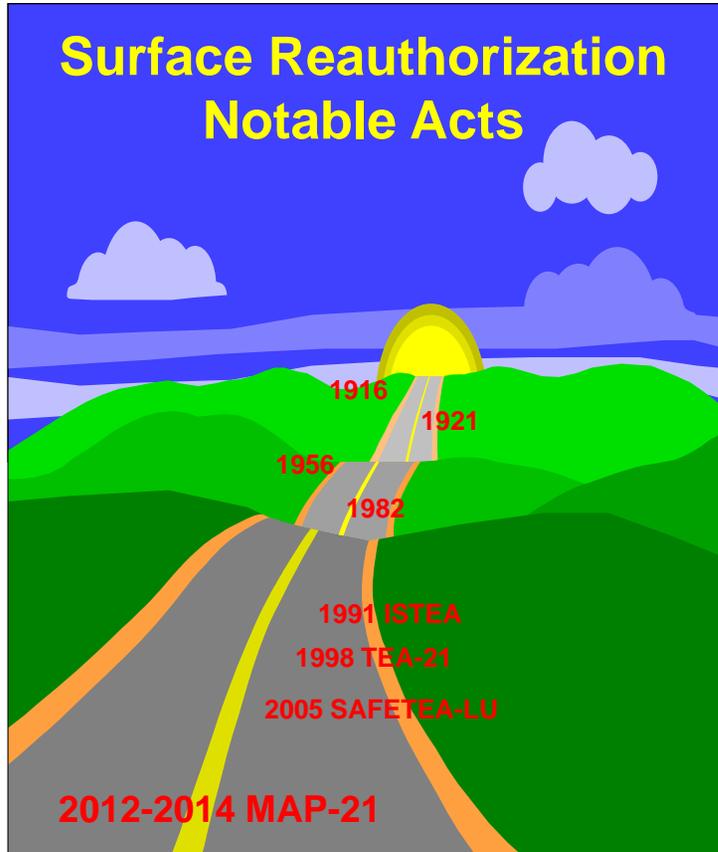
- ✓ Reimbursement Program
- ✓ Matching requirements
- ✓ Specific Systems Funding

## MAP – 21

Expiries – 9/2014

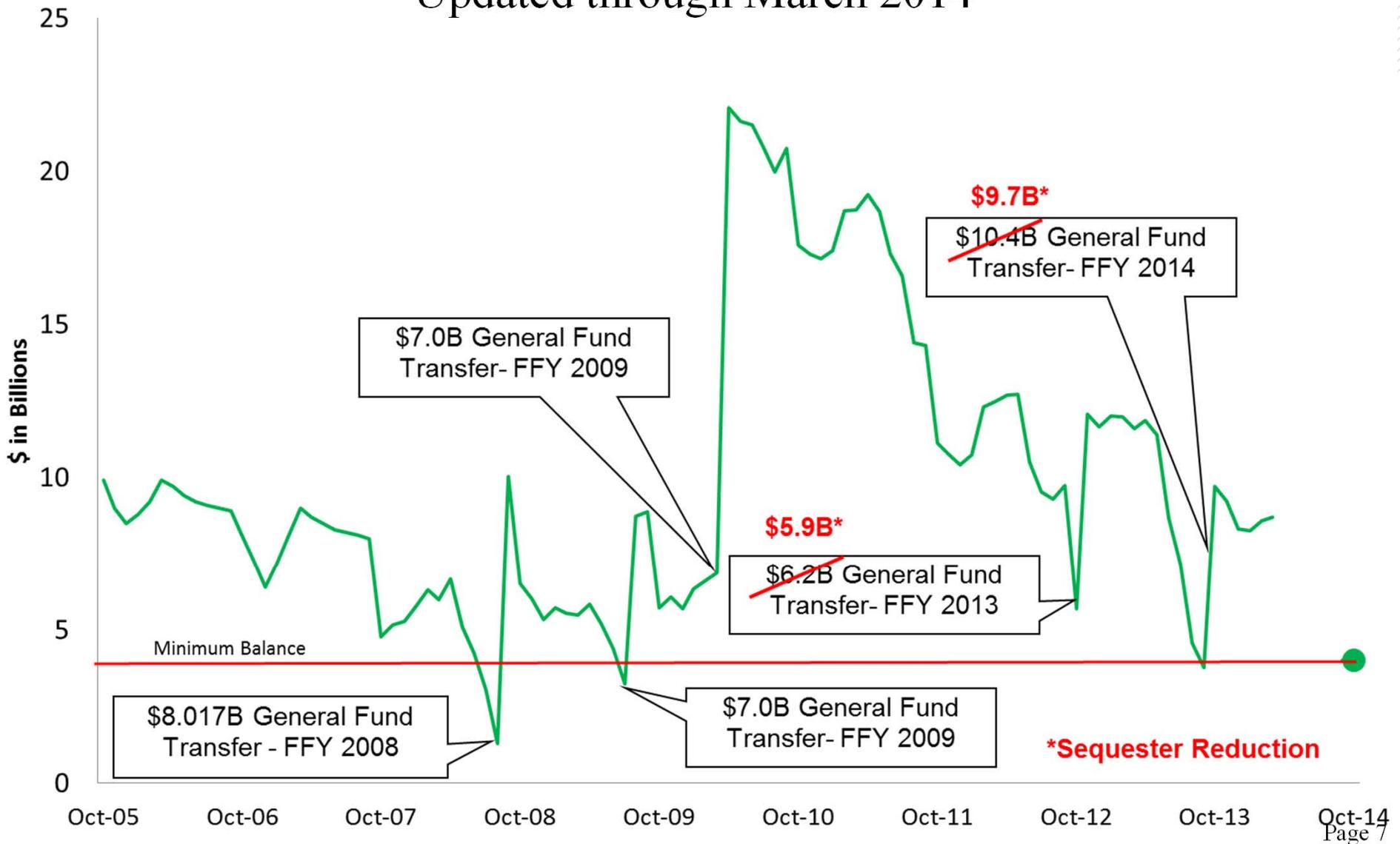
Extended Federal HTF – 9/2016

Funded with GF Transfers



# Federal Highway Trust Balance and Transfers

Updated through March 2014



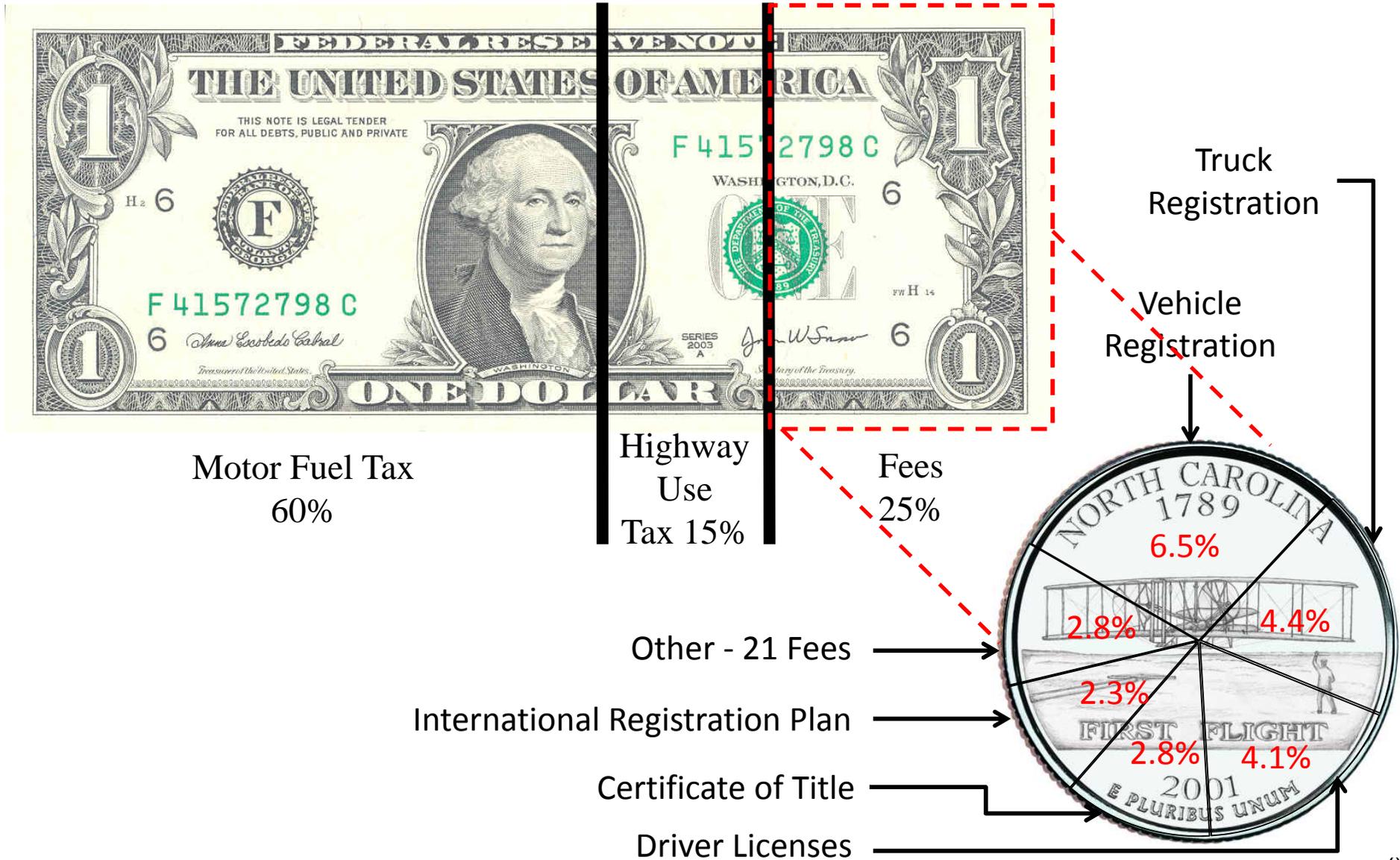
# Congressional Budget Office - Projections

Projections of Highway Trust Fund Accounts Under CBO's April 2014 Baseline  
(Billions of dollars, by fiscal year)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
<b>Highway Account</b>												
Start-of-Year Balance	10	4	2	a	a	a	a	a	a	a	a	a
Revenues and Interest <sup>b</sup>	32	33	34	34	34	34	34	34	34	34	34	34
Intragovernmental Transfers <sup>c</sup>	6	10	0	0	0	0	0	0	0	0	0	0
Outlays <sup>d</sup>	43	45	45	45	45	46	46	46	47	48	48	49
End-of-Year Balance	4	2	a	a	a	a	a	a	a	a	a	a
<b>Transit Account</b>												
Start-of-Year Balance	5	2	1	a	a	a	a	a	a	a	a	a
Revenues and Interest <sup>b</sup>	5	5	5	5	5	5	5	5	5	5	5	5
Intragovernmental Transfers <sup>c</sup>	0	2	0	0	0	0	0	0	0	0	0	0
Outlays <sup>d</sup>	7	8	8	8	8	9	9	9	10	10	10	10
End-of-Year Balance	2	1	a	a	a	a	a	a	a	a	a	a
<b>Memorandum</b>												
Cumulative Shortfall <sup>a</sup>												
Highway Account Shortfall	n.a.	n.a.	-10	-21	-32	-43	-55	-67	-79	-92	-106	-120
Transit Account Shortfall	n.a.	n.a.	-2	-6	-9	-13	-18	-22	-27	-32	-38	-44

Notes: Details may not add to totals because of rounding.  
n.a. = not applicable

# State Revenue Sources



# State Revenue Sources



Motor Fuel Tax  
60%

MFT Rate &  
Fuel Consumption

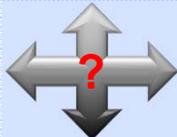
Highway  
Use  
Tax 15%

Vehicle Prices,  
Units Sold &  
Rate

Fees  
25%

Fee Rates &  
Transactions

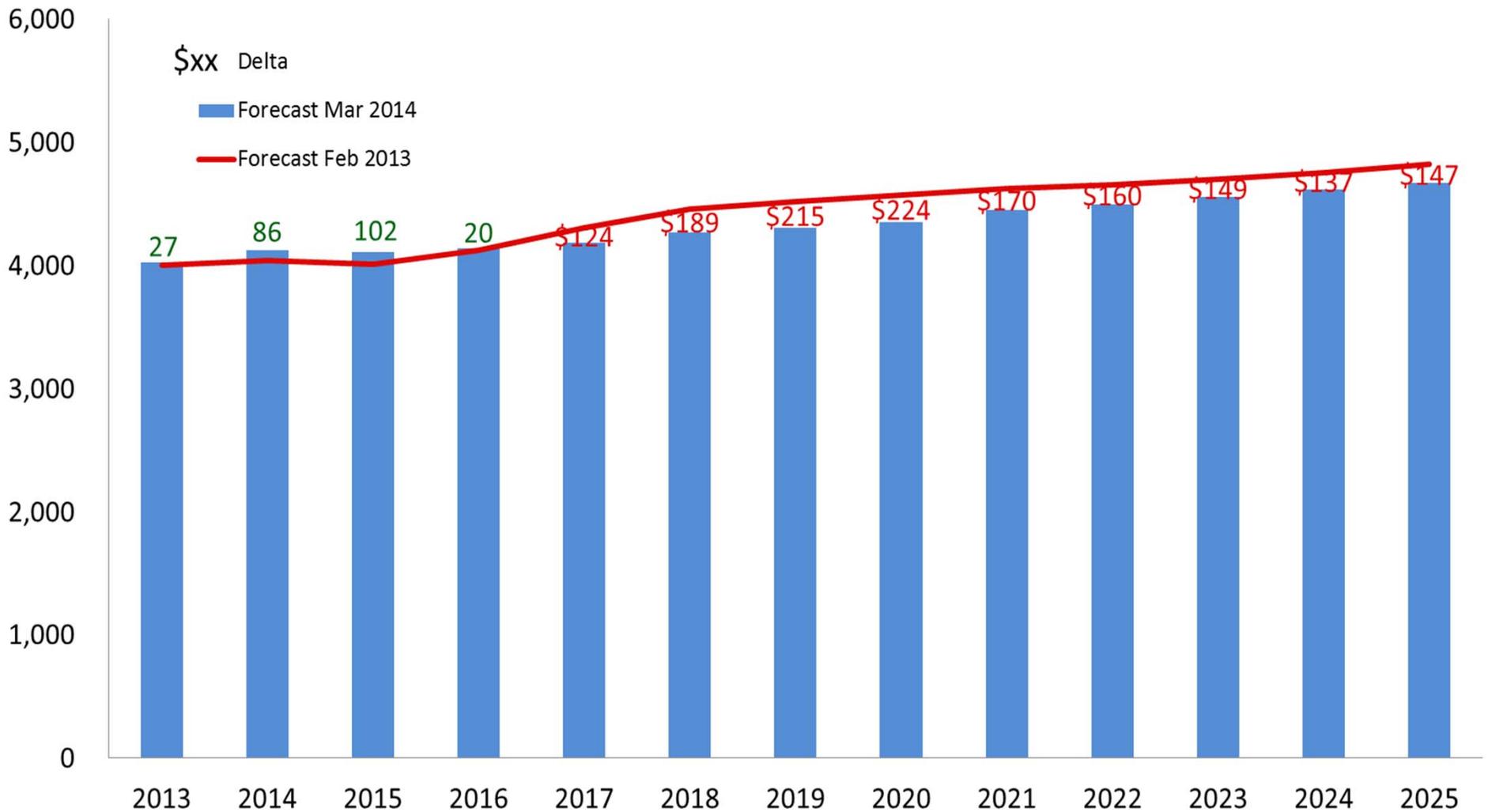
# Revenue Variable and Data Sources

Source	Variables	Data Sources	10 Year Change
Motor Fuel Tax	Rate	<ul style="list-style-type: none"> <li>• US – DOE</li> <li>• Global Insight</li> <li>• Legislative</li> </ul>	
	Fuel Consumption	<ul style="list-style-type: none"> <li>• 2040 Plan</li> <li>• In-House Model</li> </ul>	
DMV Fees	Rate	<ul style="list-style-type: none"> <li>• General Statute</li> </ul>	
	Transactions	<ul style="list-style-type: none"> <li>• Regression Analysis</li> <li>• Historical</li> <li>• NC Population Growth</li> </ul>	
Highway Use Tax	Rate	<ul style="list-style-type: none"> <li>• General Statute</li> </ul>	
	Transactions	<ul style="list-style-type: none"> <li>• Historical</li> <li>• NC Population Growth</li> </ul>	
	Vehicle Pricing	<ul style="list-style-type: none"> <li>• Global Insight</li> </ul>	
Federal	Revenue	<ul style="list-style-type: none"> <li>• Congressional Budget Office</li> </ul>	

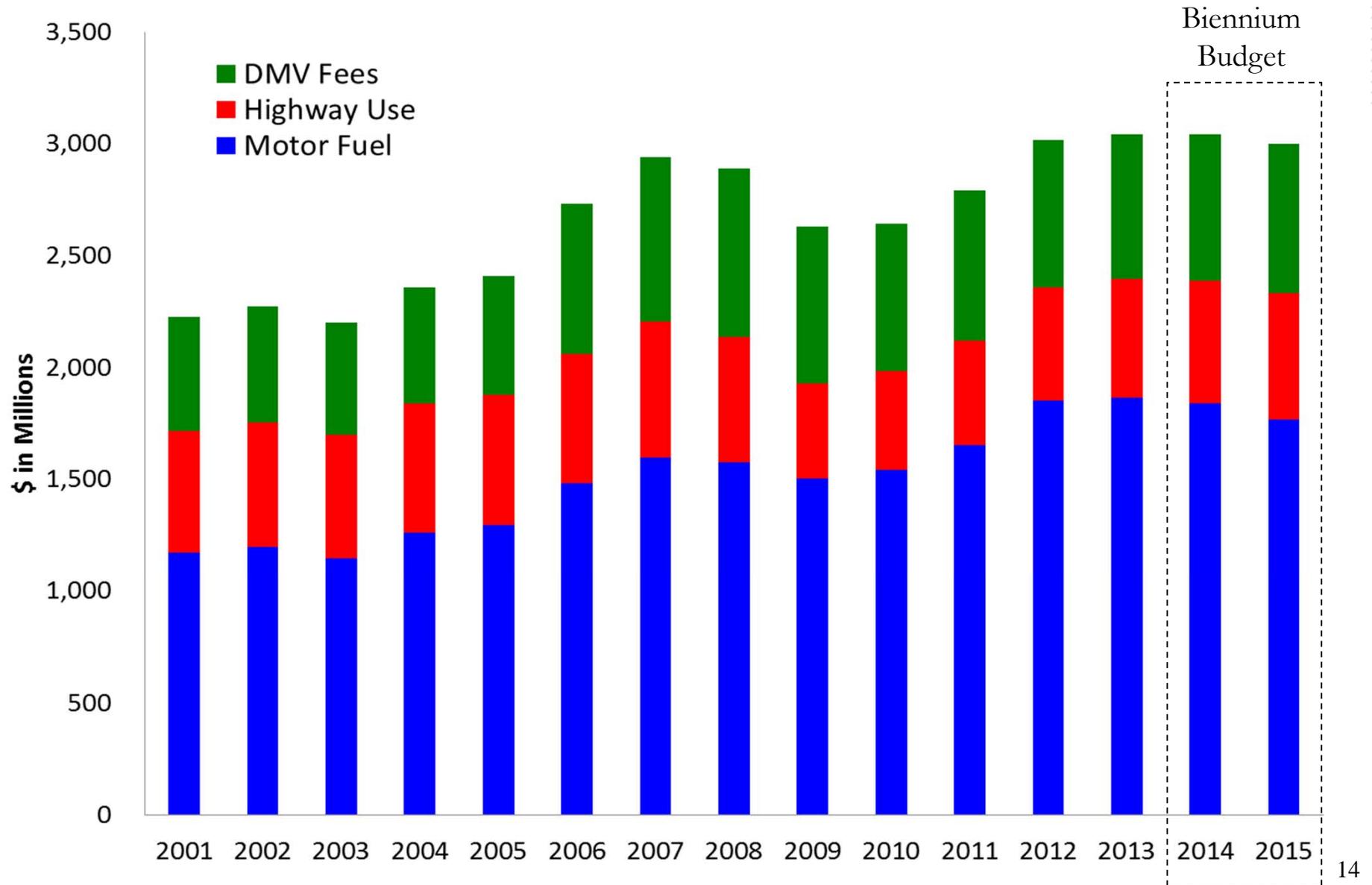
# Forecast – March 2014

Forecast - Mar 2014	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2014-25 Total
<b>MFT Rates (¢/gallon)</b>	37.6	37.4	37.1	36.9	37.2	37.6	38.1	38.8	39.6	40.5	41.3	42.0	42.7	
<b>Fuel Consumption (M gallons)</b>	5,265.0	5,267	5,271	5,290	5,304	5,411	5,382	5,340	5,295	5,228	5,207	5,174	5,149	
<b>HIGHWAY FUND</b>														
Motor Fuels	\$1,414	\$1,420	\$1,407	\$1,409	\$1,424	\$1,468	\$1,479	\$1,495	\$1,512	\$1,527	\$1,551	\$1,567	\$1,585	\$17,844
DMV Fees + Investment Income	537	590	586	592	600	608	615	623	631	638	646	669	677	7,474
<b>Sub-Total</b>	<b>1,951</b>	<b>2,010</b>	<b>1,993</b>	<b>2,001</b>	<b>2,023</b>	<b>2,076</b>	<b>2,095</b>	<b>2,118</b>	<b>2,143</b>	<b>2,165</b>	<b>2,196</b>	<b>2,236</b>	<b>2,262</b>	<b>25,318</b>
<b>HIGHWAY TRUST FUND</b>														
Motor Fuels	468	469	465	465	470	485	489	494	500	504	512	518	524	5,895
Highway Use Tax	555	589	591	614	627	641	656	668	682	695	706	719	733	7,921
DMV Fees + Investment Income	96	100	103	104	106	107	108	110	111	112	113	115	116	1,305
<b>Sub-Total</b>	<b>970</b>	<b>1,158</b>	<b>1,159</b>	<b>1,184</b>	<b>1,203</b>	<b>1,233</b>	<b>1,253</b>	<b>1,271</b>	<b>1,293</b>	<b>1,312</b>	<b>1,332</b>	<b>1,352</b>	<b>1,373</b>	<b>15,121</b>
<b>HIGHWAY AND TRUST TOTAL</b>	<b>\$3,070</b>	<b>\$3,168</b>	<b>\$3,152</b>	<b>\$3,185</b>	<b>\$3,227</b>	<b>\$3,308</b>	<b>\$3,347</b>	<b>\$3,389</b>	<b>\$3,436</b>	<b>\$3,477</b>	<b>\$3,528</b>	<b>\$3,588</b>	<b>\$3,635</b>	<b>40,439</b>
<b>FEDERAL-AID</b>	<b>956</b>	<b>961</b>	<b>1,016</b>	<b>1,021</b>	<b>1,026</b>	<b>1,031</b>	<b>1,036</b>	<b>11,826</b>						
<b>Total Highway, Trust Fund &amp; Federal</b>	<b>\$4,025</b>	<b>\$4,124</b>	<b>\$4,108</b>	<b>\$4,141</b>	<b>\$4,183</b>	<b>\$4,264</b>	<b>\$4,303</b>	<b>\$4,349</b>	<b>\$4,451</b>	<b>\$4,497</b>	<b>\$4,554</b>	<b>\$4,619</b>	<b>\$4,671</b>	<b>\$52,265</b>

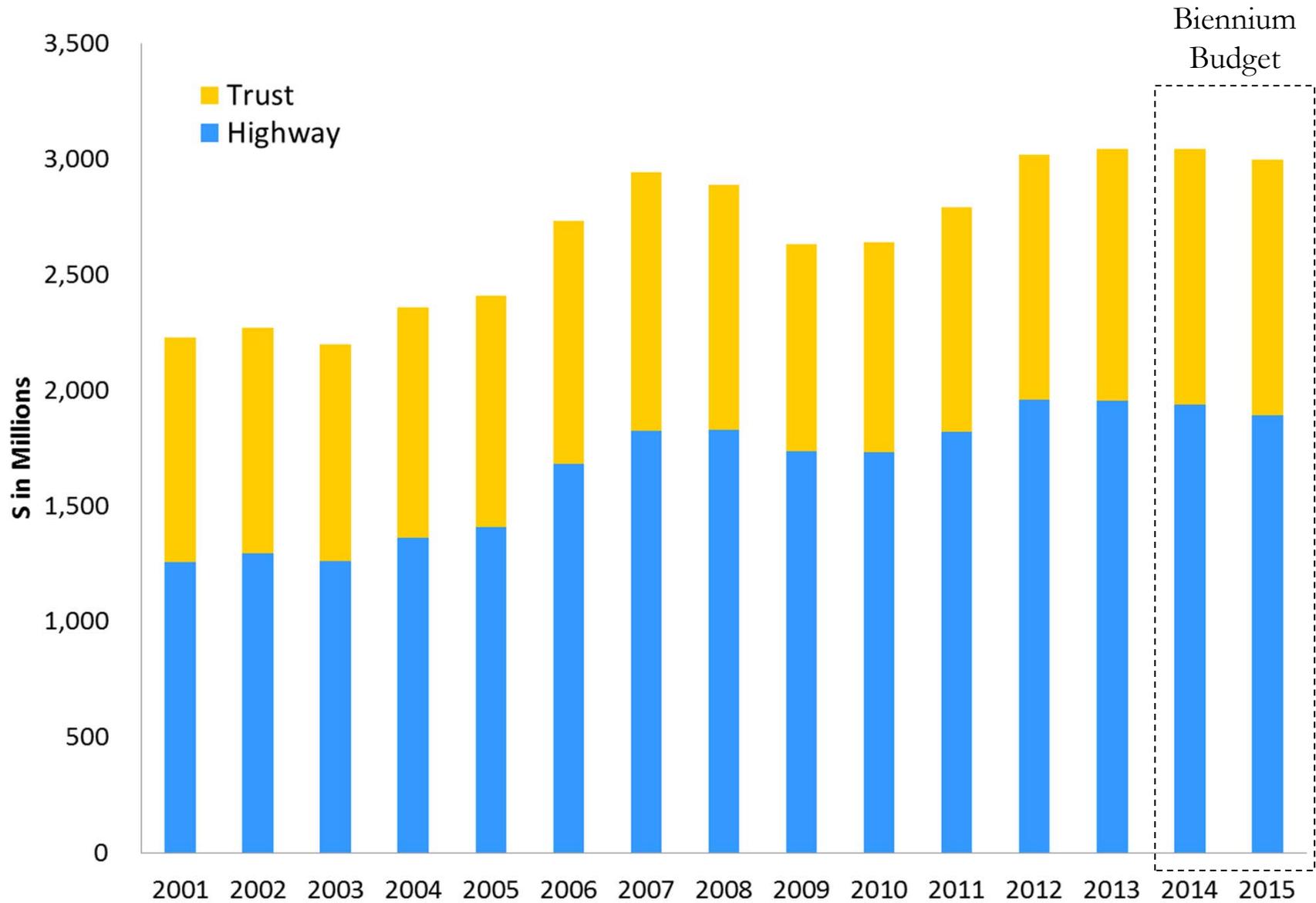
# Forecast Comparison 2014 vs 2013



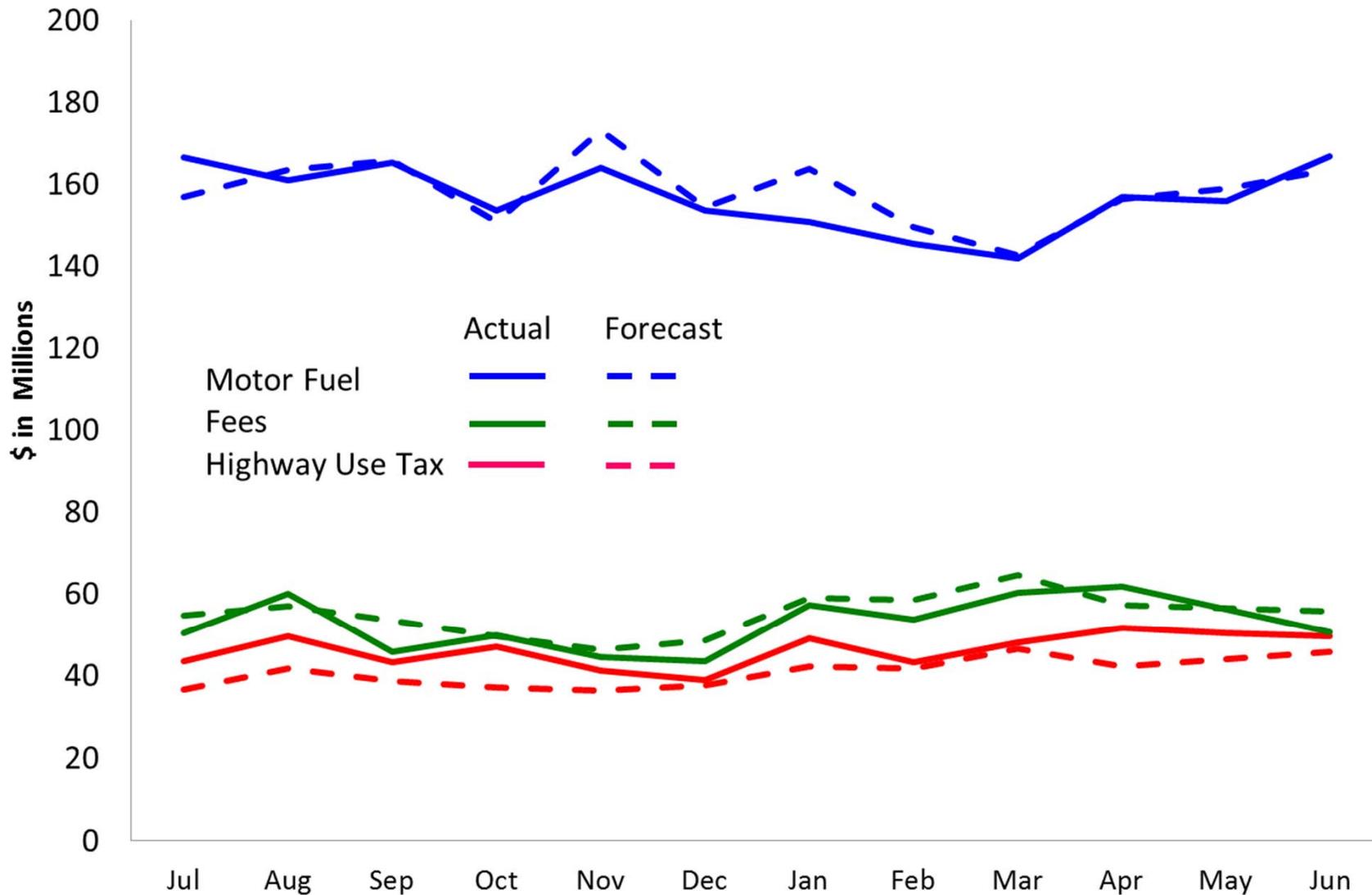
# State Transportation Revenue Sources



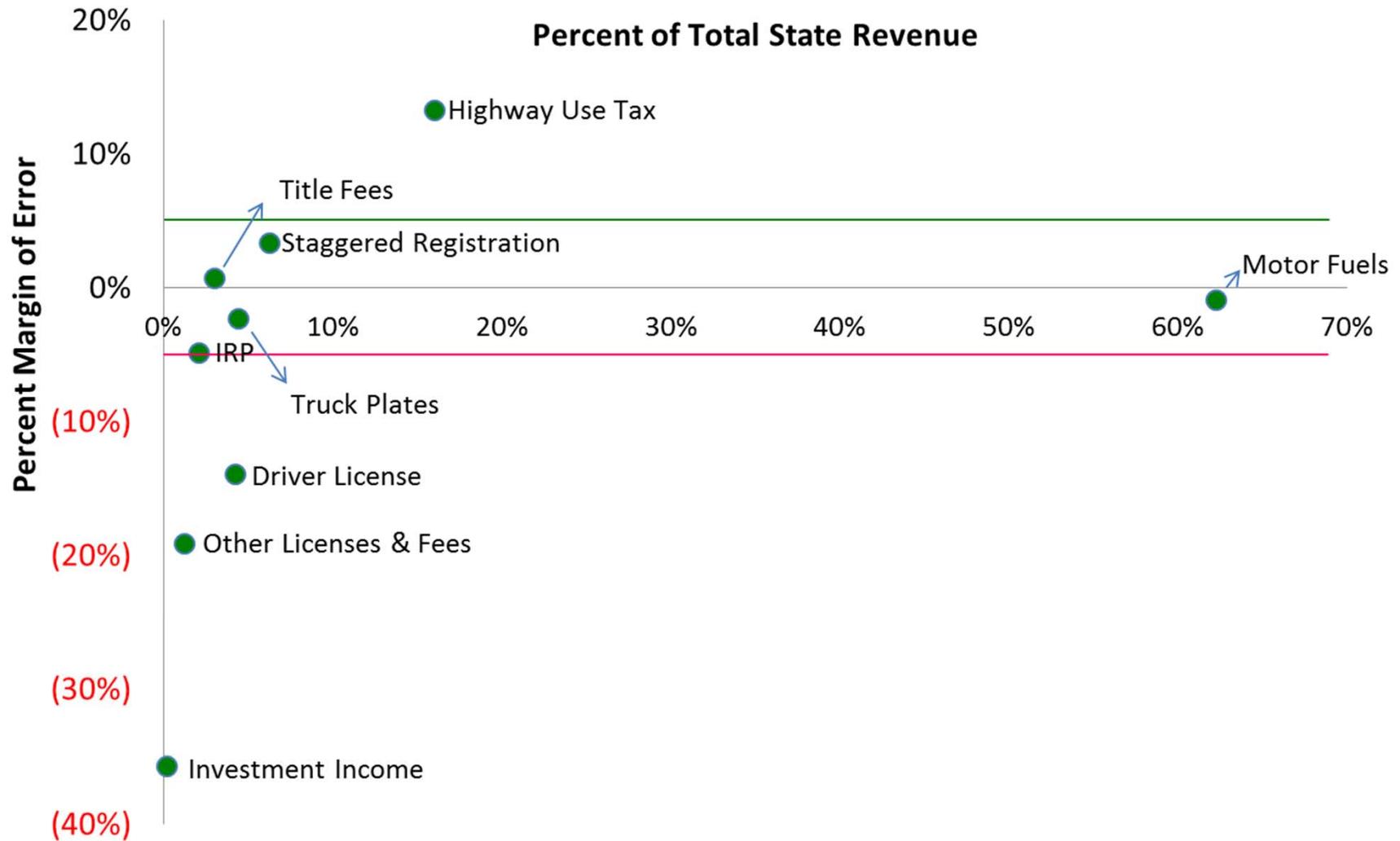
# Historical and Projected Revenues by Fund



# SFY 2013 – Monthly Comparison

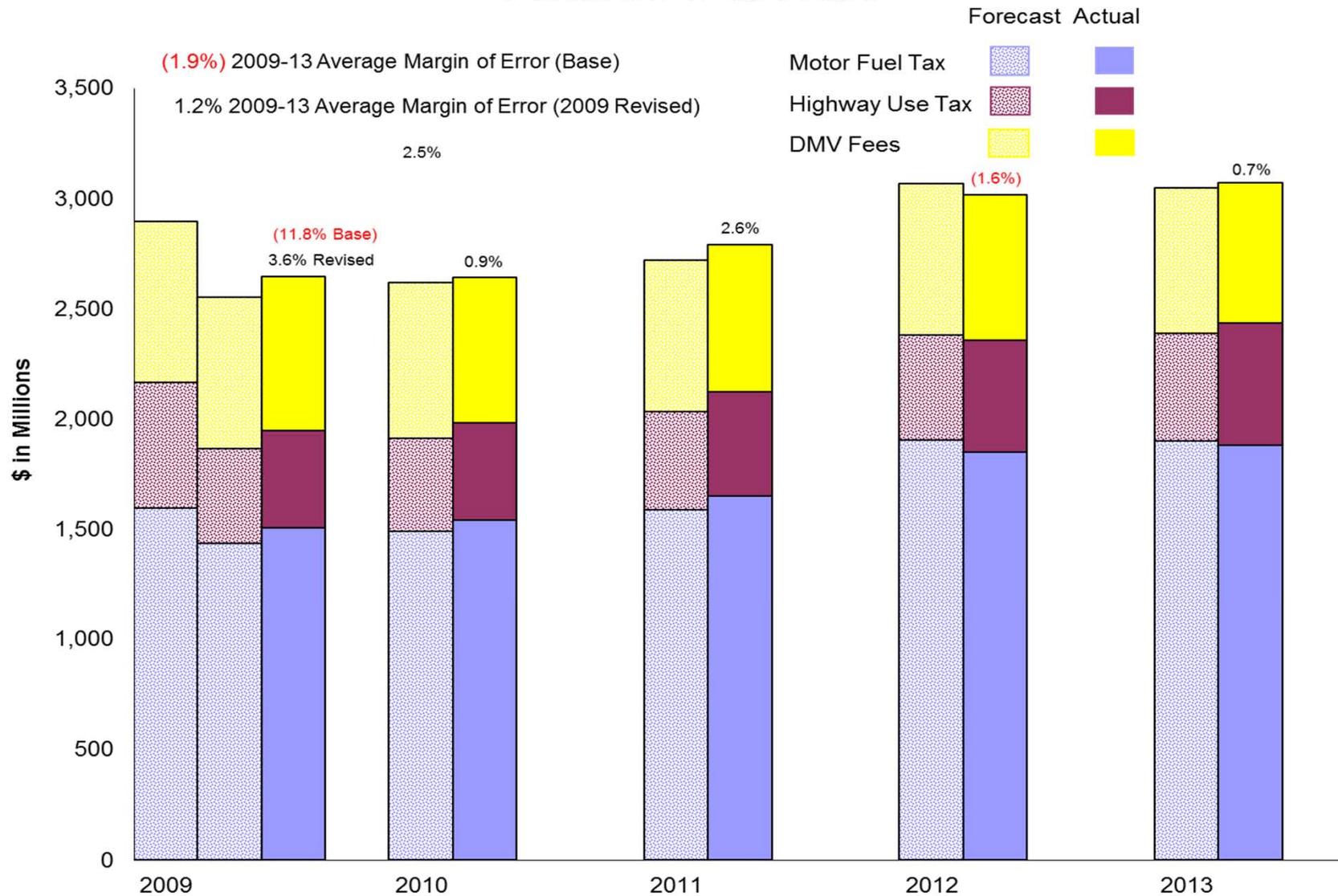


# SFY 2013 – Margin of Error



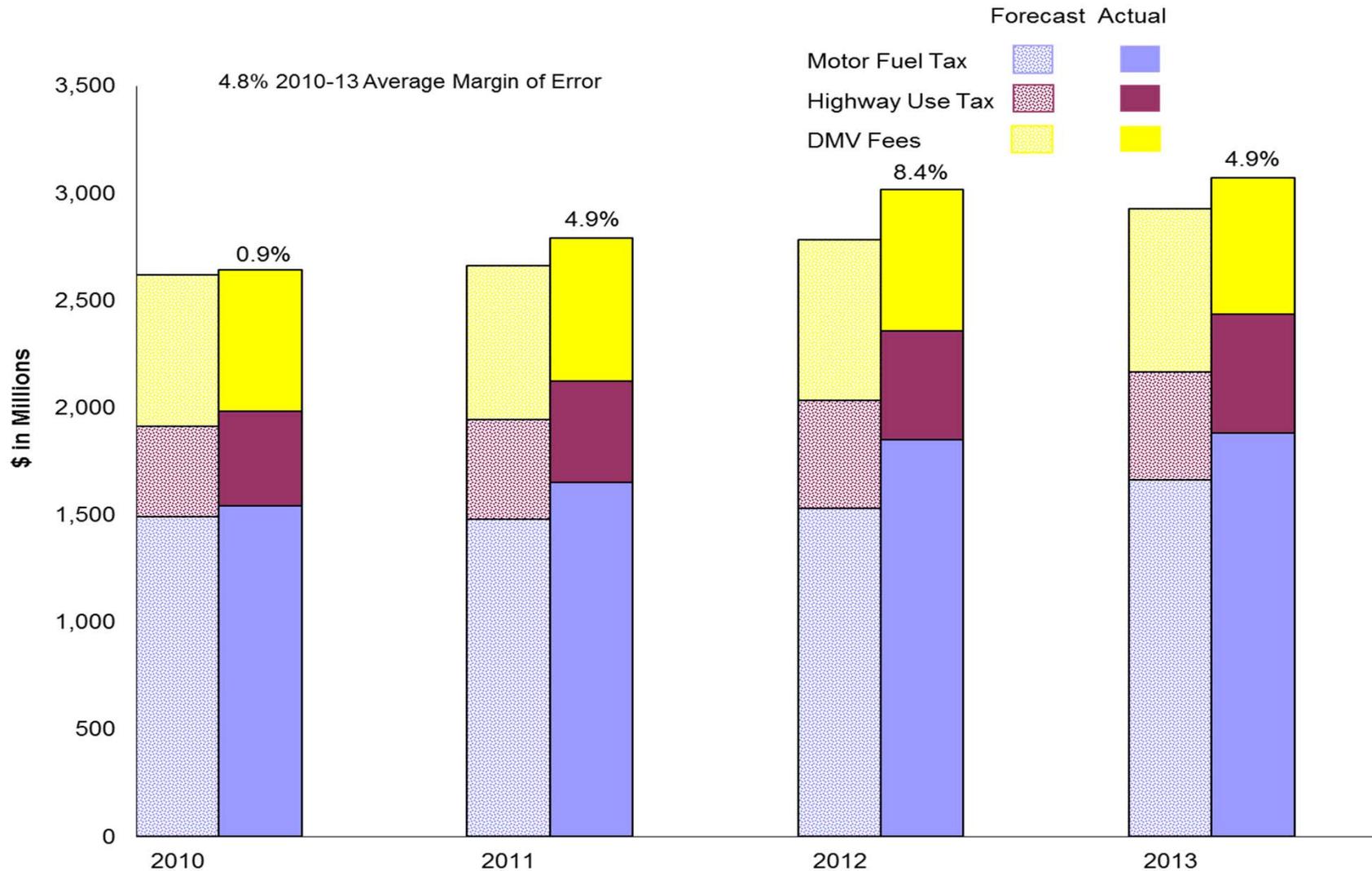
# Annual Comparison Forecast vs Actual

## Each SFY as Base



# 4 Year Comparison Forecast vs Actual

## SFY 2010 as Base



## Minutes of the April 2, 2014 Meeting of the Highways Committee

Attendees: Chairman Jake Alexander, David Burns, Jim Palermo, David Brown, Jim Crawford, Larry Kernea, Hugh Overholt

Additional attendees: Gus Tulloss

Chairman Alexander called the meeting to order. The minutes of the March 5<sup>th</sup> meeting were approved with no changes or corrections.

Kevin Lacy, PE, State Traffic Engineer, presented on Access Management. There were no questions.

Rob Stone, PE, Division 8 Engineer, and Don Lee, CPESC, State Roadside Environmental Engineer, presented on US Open Preparations. There were a few brief comments.

Scott Capps, State Maintenance and Equipment Engineer, presented on Fleet Material and Management Unit. There a few questions related to depreciation, use of alternate fuels in fleet vehicles, and using private auctions.

David Wasserman, PE, and Alpesh Patel, both of the Strategic Prioritization Office, provided an update on project prioritization. They demonstrated the on-line spreadsheet of the initial data, based on STI criteria, of the 1300 highway projects currently in the database. They walked through the data in the spreadsheet, and showed how to search and filter according to different parameters. Non-highway and additional highway projects will be added as they come in.

Being no further business, the meeting was adjourned at 10:35 AM.

***Highways Meeting  
NCDOT Board of Transportation  
Meeting Agenda  
9:00 AM - 4.30.14 – Board Room***

**AGENDA ITEMS**

- I. Call to Order – Chairman Alexander
- II. Approval of April Minutes
- III. Old Business –
- IV. New Business –
  - A. STI Update – Don Voelker, Strategic Prioritization Office of Transportation
  - B. Traffic Count Methodology – Mike Bruff, PE, Transportation Planning Branch Manager
  - C. Logo Signing – Ron King, PE, State Signing Engineer
  - D. Monitoring NC's Bridges – Greg Perfetti, PE, State Structures Engineer

Adjourn

Staff Contact: Mike Holder

# North Carolina

DEPARTMENT OF TRANSPORTATION

## **Logo and TODS Programs**

Ron King, P.E. – State Signing and Delineation Engineer

April 30, 2014

# Outline

- Quick description
- Current direction
- Past Actions
- Guidance needed

# Quick Description

Provides road users with business identification and directional information for services and for eligible attractions.



*Logo Program*



*Tourist Oriented  
Directional Signing Program*

# Quick Description

## Logo

- Service types are GAS, FOOD, LODGING, CAMPING, & ATTRACTIONS
- Specific requirements for each service
- Signs are located on freeways, primarily interstate systems, exit ramps, and on crossroads
- Six panels per sign
- Mainline signs are installed prior to exit ramps

# Quick Description

## Logo

- Ramp signs are installed along exit ramps with direction and distance
- Trailblazer are installed when business can not be seen from road
- Maximum of four (4) mainline signs per direction
- Maximum of three (3) services per sign
- No service type shall appear on more than two (2) signs

# “GAS” Sign



# “FOOD” Sign



# “LODGING” Sign



# “CAMPING” Sign



# Quick Description

## TODS

- Businesses must cater to tourists.
- Business locations must be in a rural, unincorporated area or in a town with a population less than 40,000.
- Specific requirements for each facility
- Signs are located on roads other than freeways and expressways

# Quick Description

## TODS

- Mainline signs are installed prior to intersections
- Trailblazer are installed when business/facility can not be seen from road
- Maximum of two (2) mainline signs per direction
- Maximum of three (3) businesses/facilities per sign

# Ineligible Attractions (TODS)

**Shopping malls**

**Drug stores**

**Appliance stores**

**Houses of worship**

**Livestock sales facilities**

**Grocery stores**

**Restaurants**

**Lounges**

**Medical facilities**

**Furniture stores**

**Movie theaters**

**Auto or truck dealerships/garages**

**Real estate offices**

**Community business districts**

**Gas or vehicle service stations**

**Bars**

**Sand and gravel facilities**

**Adult entertainment establishments**

# Current Direction

- Revenue neutral
- All funds received pays for all costs
- \$300/sign/yr. for logo
- \$200/sign/yr. for TODS

# Past Actions & Discussions

- Revenue generating -- requires a change in law
  - Bill was not heard
- This is independent of revenue discussion
- Partial privatization
- Full privatization

# Guidance Needed

- Continue revenue neutral program (Do Nothing)
- State-maintained, revenue generating program
  - Pros
    - Funding resource for under-funded programs/services
  - Cons
    - May not be affordable to small business owners

# Guidance Needed

- Privately-maintained, revenue generating program
  - Pros
    - Funding resource for under-funded programs/services
    - Available workforce (devoted exclusively to signing programs)
    - Existing workforce available for other projects, programs, and services
    - Faster construction time
    - Departmental buffer (minimizes complaints)
    - Marketing capability (more full signs)
    - No need for customized cost accounting systems

# Guidance Needed

- Privatively-maintained, revenue generating program
  - Cons
    - Still liable (damages, complaints, etc.)
    - Still need Departmental control (rules, procedures, training, etc.)
    - May not be affordable to small business owners

# Questions?

Ron King, P.E.  
State Signing and Delineation Engineer

Office: (919)662-4335  
Email: [ronking@ncdot.gov](mailto:ronking@ncdot.gov)



## **Monitoring NC's Bridges**

Greg Perfetti, P.E.  
State Structures Management Engineer

April 30, 2014

# NCDOT Structure Inventory

**13,562** Bridges

**2,267** Signs

**4,494** Culverts

**602** HMLT

## National Bridge Inspection Standards Program

- Proper safety inspection and evaluation of highway bridges
- \$11M annual program
- Combination of Department and PEF forces

# Structure Inspections **2013**

## **Special Inspections**

(3 Teams)

**35** Damage Inspections

**11** Machinery Inspections

**244** Sign & HMLT Inspections



# Structure Inspections **2013**

## **Underwater Inspections**

(4 Teams)

**562** Underwater  
Inspections

Assistance with  
Underwater  
Construction  
Inspection

Emergency  
Response



# Structure Inspections **2013**

**Top Side  
Inspections**  
(18 Teams)

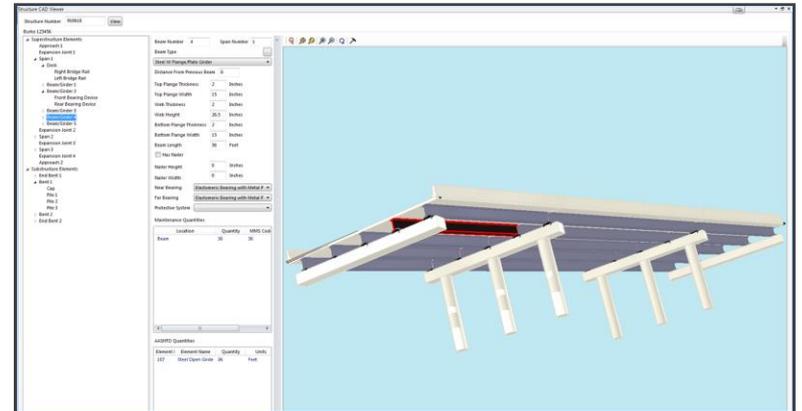
**9,136** Routine  
Safety Inspections

**34** Supplemental  
Inspections





# Wearable Inspection & Grading Information Network System



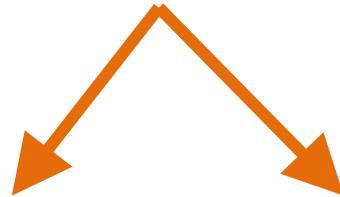
**WIGINS  
Inspections Data**



**BMS**  
(Bridge Management System)



**Bridge Analysis Group**



Interstate

Non-  
Interstate

Legal  
Vehicles  
(up to 40T)

Legal  
Vehicles  
(up to 45T)



## NCGS 20-118

- Exception vehicles
- Single axle
- Tandem axle
- Axle group

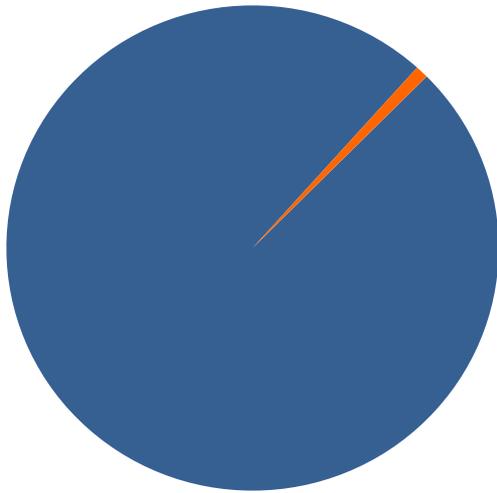
## Posting Policy

- SV & TTST
- SV < 3T, Closure
- 7T < SV < 3T, No trucks

SINGLE VEHICLE (SV)			TRUCK TRACTOR SEMI-TRAILER (TTST)		
REF. #	SCHEMATIC		REF. #	SCHEMATIC	
SNSH	5K 14'	22K 27K 13.5 TON	TNAGRIT3	22K 22K 22K 18'	66K 33 Ton
SNGARBS2	23.5K 14'	18.5K 40K 20 TON	TNT4A	12.1K 12.05K 21K 21K 22'	66.15K 33.075 TON
SNAGRIS2	22K 14'	22K 44K 22 Ton	TNAGRIT4	22K 22K 21K 21K 22'	86K 43 TON
SNCOTTS3	4.5K 25K 25K 11' 4' 15'	54.5K 27.25 TON	TNAGT5A	22K 21K 21K 13K 13K g' 4' g' 4'	90K 45 TON
SNAGGRS4	16K 15.85K 19K 19K g' 4' 4' 17'	69.85K 34.925 TON	TNAGT5B	6K 21K 21K 21K 21K g' 4' g' 4'	90K 45 TON
SNS5A	12.1K 8.5K 21K 21K 8.5K g' 4' 4' 4' 21'	71.1K 35.55 TON	TNT6A	12.1K 8.2K 21K 21K 10.45K 10.45K g' 4' 4' 4' g' 4'	83.2K 41.6 TON
SNS6A	12.1K 8.6K 8.6K 21K 21K 8.6K g' 4' 4' 4' 4' 25'	79.9K 39.95 TON	TNT7A	4.1K 4K 21K 21K 11.3K 11.3K 11.3K g' 4' 4' 4' g' 4' 4'	84K 42 TON
SNS7B	7.6K 8.6K 8.6K 21K 21K 8.6K 8.6K g' 4' 4' 4' 4' 29'	84K 42 TON	TNT7B	4.1K 10.5K 10.5K 8.45K 8.45K 21K 21K g' 4' 4' 4' 4' 4'	84K 42 TON

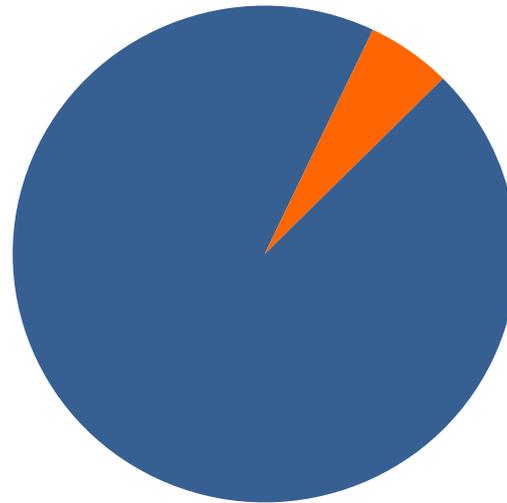
Note: Includes 10% Tolerance where applicable.

# POSTED BRIDGES BY TIER



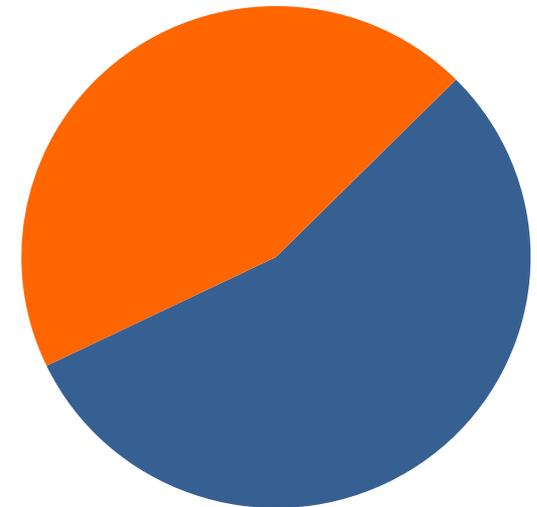
## STATEWIDE

2,746 Bridges  
21 Posted (0.8%)



## REGIONAL

2,464 Bridges  
134 Posted (5.4%)



## SUB-REGIONAL

8,295 Bridges  
3482 Posted (42%)



# QUESTIONS?



**Traffic Survey Group  
North Carolina Department of Transportation**

**Calculation of Annual Average Daily Traffic**

The NCDOT collects traffic data to monitor the level of travel on North Carolina highways to meet federal reporting requirements and state data needs. A primary statistic used to meet these requirements is Annual Average Daily Traffic (AADT). An AADT is a daily volume estimate of the average traffic traveling in all lanes on a highway. The AADT estimate represents the average daily travel occurring at a location for all days of the year.

On non-freeway highways, short term counts are collected at monitoring stations using tube based counters and seasonal factors are applied to estimate the annual average from those counts. Seasonal factors are generated from continuous count stations where the factors are based on the ratio of the average of all daily volumes throughout the year to the average volume for a particular day of week and month. Each short term count is factored to an AADT estimate based on the day and month collected. Each station typically has 2 days of daily counts collected and the final AADT estimate is generated by averaging the estimates generated for each daily count.

On freeway highways, it is not practical or safe to collect mainline counts using the basic tube counter. The NCDOT employs a ramp balancing methodology to generate AADT estimates on each freeway segment. Counters that use inductance loops or radar detectors are employed to collect short term mainline counts every 5 to 8 interchanges and tube based counters are used to collect short term counts at every ramp. Mainline counts are seasonally factored in the same manner as the non-freeway counts. The AADT estimates on the freeway segments without counts are calculated using the off and on flows measured at each interchange in the ramp counts. The on and off flows are adjusted (balanced) to match the mainline count based AADT estimates prior to generating the calculated AADT on freeway segments not counted.

The NCDOT follows the industry practice of counting only a portion of AADT stations each year to support monitoring more highways. The current practice for counting monitoring stations is either an annual or 2 year cycle. When stations are not counted, AADT estimates are generated by applying growth factors to previous year count based AADT to estimate current year AADT. Average growth factors are generated for each county using count based AADT estimates from stations within the county. This ensures that the AADT estimates for stations not counted are consistent with the growth occurring at stations that were counted in the same county.

The methods used by the NCDOT are consistent with the guidelines specified in the Traffic Monitoring Guide (FHWA 2013), the Guidelines for Traffic Data Programs (AASHTO 2009), and the Highway Performance Monitoring System Field Procedures Manual (FHWA 2013).

**Traffic Survey Group**  
**North Carolina Department of Transportation**

**Calculation of Truck Annual Average Daily Traffic**

In addition to collecting volume data, the NCDOT collects vehicle classification data to measure the level of truck volume on major NC highways. The statistic used to report truck volume is Truck Annual Average Daily Traffic (AADT). A Truck AADT is a daily truck volume estimate of the average number of trucks traveling in all lanes on a highway. The Truck AADT estimate represents the average daily truck travel occurring at a location for all days of the year.

The NCDOT employs two methods for collection of vehicle classification data, electronic axle based classification and manual classification. The axle based classification method employs the FHWA 13 vehicle class scheme with 3 passenger vehicle and 10 truck classes. Axle sensors are used to measure the number and spacing between axles on a vehicle and the pattern measured determines which class it is assigned. Most locations have class data collected using this method. At locations where it is unsafe to deploy axle sensors or poor traffic flow occurs, the manual classification method is used. Data is collected through direct observation and vehicles are classified into the NCDOT 4 class scheme. This scheme is an aggregation of the FHWA 13 classes with 1 passenger vehicle class and 3 truck classes ([FHWA-NCDOT Schemes](#)).

Similar to the volume monitoring process, short term class counts are collected at monitoring stations and seasonal factors are applied to estimate the annual average volume by class. The total volume for a class count is seasonally factored using the same method and factors used for volume counts to generate AADT. The truck classes are seasonally factored to generate truck AADT using the same method but use seasonal factors for the truck classes generated from continuous class stations. Passenger vehicle class estimates are generated by subtracting the truck AADT from the AADT estimate. Manual class are partial day counts that are expanded to daily volume, seasonally factored, and then disaggregated from the NCDOT 4 class scheme to the FHWA 13 class scheme using factors generated from continuous class stations. An annualized class distribution for the FHWA 13 class scheme is calculated for all stations.

Class monitoring stations are counted on a 3 year cycle and cover the National Highway System and the NC Truck Network. Class monitoring is a coarser coverage than volume monitoring where a single class station covers the same extent of highway as multiple volume monitoring stations. The reported truck AADT is calculated by multiplying the annualized truck class distribution from a class station with the AADT for each volume monitoring station on the same extent of highway. This method provides an updated truck AADT estimate each year that matches the volume AADT being reported. The methods used to generate truck AADT are consistent with the guides cited for the volume AADT calculation methodology.



## Automatic Traffic Recording Stations

Station	County	Route	Location Description	Status
A0501	AVERY	US 19-E	0.10 MILES SOUTH OF SR 1103 (BENT RD)	Operational
A0701	BERTIE	US 13	0.10 MILES SOUTH OF NC 305	Operational
A0901	BRUNSWICK	SR 1165 (THOMASBORO RD)	0.10 MILES SOUTH OF US 17 (OCEAN HWY)	Operational
A1001	BUNCOMBE	I-240	0.70 MILES WEST OF NC 191 (BREVARD RD)	Operational
A1003	BUNCOMBE	I-40 / US 74	1.45 MILES EAST OF SR 1200 (WIGGINS RD))	Operational
A1101	BURKE	I-40	1.20 MILES WEST OF SR 1734 (CAROLINA ST)	Operational
A1302	CALDWELL	US 321	0.30 MILES SOUTH OF SR 1536 (GOFORTH ROAD)	Operational
A1501	CARTERET	SR 1182 (ATLANTIC BEACH CAUSEWAY)	0.90 MILES SOUTH OF US 70 (ARENDELL ST)	Operational
A1801	CHATHAM	US 64	0.80 MILES EAST OF SR 1716 (BIG WOODS RD)	Operational
A2501	CUMBERLAND	SR 1007 (ALL AMERICAN EXPY)	0.82 MILES NORTH OF US 401 BUS (RAEFORD RD)	Operational
A2502	CUMBERLAND	I-95	1.20 MILES NORTH OF I-295/US 13	Operational
A2503	CUMBERLAND	SR 1137 (CRYSTAL SPRGS RD)	0.60 MILES WEST OF SR 1003 (CAMDEN RD)	Operational
A2701	DARE	NC 12	8.50 MILES SOUTH OF US 64	Operational
A2702	DARE	US 64	0.60 MILES WEST OF SR 1153 (OLD FERRY LANDING RD)	Operational
A2703	DARE	US 158	0.20 MILES WEST OF BARLOW LANE	Operational
A3001	DUPLIN	SR 1801 (LYMAN RD)	0.30 MILES SOUTH OF NC 24	Operational
A3002	DUPLIN	NC 24 BUS	0.10 MILES EAST OF SR 1111 (PETE QUINN RD)	Operational
A3003	DUPLIN	NC 24	0.10 MILES WEST OF SR 1737 (DOBSON CHAPEL RD)	Operational
A3103	DURHAM	SR 1321 (HILLANDALE RD)	0.40 MILES NORTH OF NC 147 (DURHAM FREEWAY)	Operational
A3104	DURHAM	NC 147	1.30 MILES NORTH OF SR 1954 (ELLIS RD)	Operational
A3201	EDGECOMBE	SR 1135 (PLEASANT HILL RD)	0.30 MILES EAST OF SR 1002 (OLD WILSON RD)	Operational
A3303	FORSYTH	SR 1120 (CLEMMONSVILLE RD)	0.15 MILES EAST OF SR 2972 (GRIFFITH RD)	Operational
A3501	GASTON	SR 1126 (LEWIS RD)	0.10 MILES WEST OF SR 1113 (BOYD RD)	Operational
A3502	GASTON	NORTHWEST BLVD	0.50 MILES EAST OF NC 274 (BESSEMER CITY RD)	Operational
A4005	GUILFORD	SR 1131 (BURNETTS CHAPEL RD)	0.50 MILES SOUTH OF SR 1113 (KIVETT DR)	Operational
A4008	GUILFORD	US 29	0.50 MILES SOUTH OF NC 150	Operational
A4012	GUILFORD	I-40 BUS	1.20 MILES WEST OF I-40 & I-40 BUS SPLIT	Operational
A4013	FORSYTH	I-40	1.27 MILES EAST OF NC 66	Operational
A4201	HARNETT	US 421 / NC 27	1.00 MILE EAST OF US 401 / NC 210	Operational
A4301	HAYWOOD	US 276	0.06 MILES EAST OF SR 1812 (RACCOON/HEAD RD)	Operational
A5001	JOHNSTON	I-40	0.60 MILES WEST OF NC 242	Operational
A5301	LENOIR	NC 55	0.02 MILES WEST OF SR 1157 (CROOM BLAND RD)	Operational
A5903	MECKLENBURG	I-277 / NC 16	0.80 MILES SOUTH OF US 29 (GRAHAM ST)	Operational
A5905	MECKLENBURG	CINDY LANE	0.10 MILES EAST OF HUTCHINSON McDONALD RD	Operational
A6201	MOORE	SR 1803 (VASS - CARTHAGE RD)	0.20 MILES WEST OF SR 1831 (FARM LIFE SCHOOL RD)	Operational
A6301	NASH	US 264	1.00 MILES EAST OF NC 581	Operational
A6302	NASH	NC 97	0.10 MILES EAST OF NC 581	Operational
A6303	NASH	I-95	1.95 MILES SOUTH OF NC 33	Operational
A6401	NEW HANOVER	US 117/NC 133	0.03 MILES NORTH OF SR 1340 (OLD BRIDGE SITE RD)	Operational
A6403	NEW HANOVER	US 74-76	0.02 MILES EAST OF SUMMER REST RD	Operational
A6405	BRUNSWICK	US 76 / US 17 Business	0.10 MILES EAST OF US 421 NORTHBOUND RAMP	Operational
A6701	ORANGE	SR 1102 (DODSONS CROSSROADS)	0.07 MILES NORTH OF SR 1115 (ARTHUR MINNIS RD)	Operational
A7101	PERQUIMANS	US 17	0.30 MILES WEST OF SR 1303 (WOODLAND CHURCH RD)	Operational
A7301	PITT	SR 1598 (10TH ST)	1.05 MILES EAST OF SR 1707 (CHARLES BLVD)	Operational
A7302	PITT	NC 43 (CHARLES BLVD)	0.40 MILES EAST OF US 264A	Operational
A8101	SAMPSON	SR 1855 (WARSAW ROAD)	0.10 MILES NORTH OF SR 1275 (E.MORISEY BLVD)	Operational
A8401	STOKES	SR 1935 (THIRD ST / BROOK COVE RD)	0.30 MILES WEST OF US 311	Operational
A8502	SURRY	US 601	1.05 MILES NORTH OF SR 2223 (JOHN DAVIS RD)	Operational
A8602	SWAIN	US 19-74	0.30 MILES WEST OF NC 28	Operational
A8901	UNION	SR 2106 (MACEDONIA CHURCH ROAD)	0.30 MILES WEST OF US 601	Operational
A9001	VANCE	SR 1501 (SOUTH CAROL STREET)	0.20 MILES SOUTH OF US 1 (BROAD STREET)	Operational
A9101	WAKE	US 70 Bus	0.63 MILES EAST OF SR 2558 (GUY RD)	Operational
A9104	WAKE	SR 1012 (WESTERN BOULEVARD)	0.40 MILES WEST OF SR 1321 (AVENT FERRY ROAD)	Operational
A9106	WAKE	NORTH HILLS DRIVE	0.10 MILES WEST OF NORTHBROOK DRIVE	Operational
A9107	WAKE	SR 1728 (WADE AVENUE)	0.50 MILES WEST OF SR 1664 (BLUE RIDGE ROAD)	Operational
A9108	WAKE	I-440 (OUTER)	0.80 MILES WEST OF US 70 (GLENWOOD AVE.)	Operational
A9501	WAYNE	US 117 A	0.20 MILES SOUTH OF US 117	Operational
A9601	WILKES	US 421	0.60 MILES SOUTH OF SR 1171 (SIFFORDS BRANCH ROAD)	Operational
A0001	ALAMANCE	I-40/I-85	0.10 MILES WEST OF SR 1928 (JIMMY KERR RD)	Non-Operational
A1002	BUNCOMBE	SR 1349 (ADAMS HILL RD)	0.10 MILES NORTH OF SR 1348 (PEARSON BRIDGE RD)	Non-Operational
A1301	CALDWELL	HARRISBURG RD	0.50 MILES SOUTH OF US 64 (MORGANTON BLVD)	Non-Operational

Station	County	Route	Location Description	Status
A1701	CATAWBA	NC 16 BUS (N. MAIN AVE)	0.20 MILES NORTH OF SR 1780 (20TH ST)	Non-Operational
A1802	CHATHAM	SR 1011	0.18 MILES WEST OF SR 1012 (MONCURE PITTSBORO RD)	Non-Operational
A2201	CLEVELAND	US 74	0.10 MILES WEST OF SR 1162 (PEACHTREE RD)	Non-Operational
A2301	COLUMBUS	US 74-76	0.50 MILES EAST OF US 701	Non-Operational
A2401	Craven	US 17/70	0.30 MILES WEST OF US 17 BUSINESS	Non-Operational
A2901	DAVIE	I-40	0.50 MILES EAST OF SR 1410 (FARMINGTON ROAD)	Non-Operational
A3101	DURHAM	I-85/US 15-70-501	0.10 MILES WEST OF US 501 (DUKE/GREGSON ST)	Non-Operational
A3102	DURHAM	SR 1443 (HORTON RD)	0.20 MILES EAST OF NC 157 ( GUESS RD)	Non-Operational
A3105	DURHAM	US 501	0.10 MILES NORTH OF MURRAY AVENUE	Non-Operational
A3301	FORSYTH	I-40	1.25 MILES EAST OF SR1103 (LEWISVILLE-CLEMMONS RD)	Non-Operational
A3302	FORSYTH	US 52 / NC 8	0.60 MILES SOUTH OF NC 8 (GERMANTON RD)	Non-Operational
A3304	FORSYTH	US 421	1.10 MILES NORTH OF SR 1103 (STYERS FERRY RD)	Non-Operational
A3503	GASTON	I-85	0.70 MILES SOUTH OF SR 2093 (BELMONT MT HOLLY RD)	Non-Operational
A3801	GRANVILLE	SR 1004	0.10 MILES NORTH OF SR 1138 (CULBRETH RD)	Non-Operational
A4001	GUILFORD	I-40/I-85	0.60 MILES WEST OF NC 61	Non-Operational
A4003	GUILFORD	I-85 BUS / US 29-70	0.40 MILES SOUTH OF I-40	Non-Operational
A4004	GUILFORD	US 29	0.50 MILES NORTH OF CONE BLVD	Non-Operational
A4006	GUILFORD	I-40	AT I-40 AND I-40 BUSINESS	Non-Operational
A4007	GUILFORD	I-40 / US 220	0.70 MILES EAST OF US 220 (FREEMAN MILL RD)	Non-Operational
A4009	GUILFORD	SR 1300 (WEST GREEN DR)	0.10 MILES EAST OF GRIMES AVENUE	Non-Operational
A4010	GUILFORD	SR 1009 (SOUTH MAIN ST.)	0.10 MILES NORTH OF I-85 BUS	Non-Operational
A4011	GUILFORD	SR 1009 (NORTH MAIN ST)	0.10 MILES NORTH OF NC 68	Non-Operational
A4302	HAYWOOD	I-40	4.00 MILES WEST OF SR 1338 (FINES CREEK RD)	Non-Operational
A4303	HAYWOOD	US 19	0.20 MILES WEST OF US 276	Non-Operational
A4304	HAYWOOD	I-40	1.00 MILES EAST OF US 276	Non-Operational
A4401	BUNCOMBE	I-26 / US 74	0.50 MILES SOUTH OF NC 280 (AIRPORT RD)	Non-Operational
A5901	MECKLENBURG	I-85	0.25 MILES WEST OF US 29 EXIT RAMP	Non-Operational
A5906	MECKLENBURG	GIBBON ROAD	0.40 MILES SOUTH OF NC 115	Non-Operational
A5907	MECKLENBURG	SHARON AMITY RD	0.40 MILES NORTH OF NC 27 (ALBEMARLE RD)	Non-Operational
A5908	MECKLENBURG	I-77	0.50 MILES SOUTH OF SR 1577 (TYVOLA ROAD)	Non-Operational
A5910	MECKLENBURG	I-485	0.70 MILES EAST OF I-77	Non-Operational
A5980	MECKLENBURG	THE PLAZA	0.03 MILES NORTH OF MARGUERITE AVE	Non-Operational
A5981	MECKLENBURG	US 74	0.15 MILES EAST OF NC 27	Non-Operational
A5982	MECKLENBURG	SOUTH BLVD	0.05 MILES SOUTH OF IDEAL WAY	Non-Operational
A5983	MECKLENBURG	US 74	0.40 MILES EAST OF US 29	Non-Operational
A5984	MECKLENBURG	US 29 / NC 49	0.02 MILES NORTH OF I-277 (BROOKSHIRE FREEWAY)	Non-Operational
A5985	MECKLENBURG	NC 27	0.25 MILES SOUTH OF I-85	Non-Operational
A5986	MECKLENBURG	ARCHDALE DR	0.60 MILES NORTH OF NATIONS FORD RD	Non-Operational
A6402	NEW HANOVER	US 74 / NC133	0.10 MILES EAST OF US 17	Non-Operational
A6407	NEW HANOVER	I-40	0.10 MILES WEST OF NC132 (COLLEGE RD)	Non-Operational
A6408	NEW HANOVER	GREENVILLE LOOP ROAD	0.50 MILES EAST OF PINE GROVE RD	Non-Operational
A6501	NORTHAMPTON	I-95	0.10 MILES NORTH OF NC 48	Non-Operational
A6601	ONSLOW	NC 53 (WESTERN BOULEVARD)	0.03 MILES WEST OF US 17	Non-Operational
A6702	ORANGE	US 70	0.60 MILES WEST OF SR 1161 (WEST HILL AVE)	Non-Operational
A7201	PERSON	US 501 / NC 57 (DURHAM ROAD)	0.50 MILES NORTH OF SR 1715 (HELENA MORIAH RD)	Non-Operational
A7901	ROWAN	I-85	0.10 MILES NORTH OF SR 2539 (PEACH ORCHARD RD)	Non-Operational
A7902	ROWAN	US 29 (SOUTH MAIN ST)	0.50 MILES SOUTH OF SR 1503 (GRACE CHURCH RD)	Non-Operational
A8501	SURRY	I-74/I-77	4.00 MILES NORTH OF THE I-77 / I-74 SPLIT	Non-Operational
A8503	SURRY	US 52	0.10 MILES SOUTH OF SR 1822 (ARMSTRONG RD)	Non-Operational
A8601	SWAIN	US 441	0.70 MILES NORTH OF BLUE RIDGE PARKWAY	Non-Operational
A8902	UNION	US 74	0.65 MILES WEST OF SR 1223 (DICKERSON BLVD)	Non-Operational
A9102	WAKE	I-40	1.45 MILES WEST OF SR 1652 (HARRISON AVENUE)	Non-Operational
A9103	WAKE	US 1	0.10 MILES NORTH OF CALVARY DR.	Non-Operational
A9105	WAKE	SR 1669 (HOMEWOOD BANKS DRIVE)	0.15 MILES NORTH OF SR 1670 (BLUE RIDGE ROAD)	Non-Operational
A9109	WAKE	I-40	1.35 MILES WEST OF SR 5220 (JONES SAUSAGE ROAD)	Non-Operational
A9201	WARREN	I-85	0.30 MILES NORTH OF US 1	Non-Operational
A9401	WATAUGA	SR 1508 (ELK CREEK ROAD)	0.10 MILES SOUTH OF SR 1672	Non-Operational
A9402	WATAUGA	US 221-321	0.20 MILES SOUTH OF SR 1533 (AHO ROAD)	Non-Operational
A9403	WATAUGA	US 321	0.50 MILES NORTH OF US 321 BUS	Non-Operational
A9602	WILKES	SR 1001 (OAKWOODS ROAD)	0.15 MILES SOUTH OF NC18 / SR 2510 (E.MAIN ST)	Non-Operational
A9801	YADKIN	I-77	3.60 MILES SOUTH OF US 421	Non-Operational

## Weigh in Motion and Vehicle Class Stations

Station	County	Route	Location Description	Status
W1401	CAMDEN	US 17	0.7 MILES NORTH OF SR 1231	Operational
W1701	CATAWBA	US 321	1.0 MILES NORTH OF I-40 (AT US 70)	Operational
W1803	CHATHAM	US 421	1.9 MILES SOUTH OF US 64	Operational
W1805	CHATHAM	US 64 BYP	0.7 MILES WEST OF US 15-501	Operational
W2301	COLUMBUS	US 74	1.9 MILES WEST OF SR 1001	Operational
W2802	DAVIDSON	US 52	0.4 MILES NORTH OF US 64 (MP 92)	Operational
W4701	HYDE	US 264	0.1 MILES EAST OF SR 1168	Operational
W7001	PENDER	I-40	0.3 MILES WEST OF NC 210 (MP 408)	Operational
W7002	PENDER	US 421	0.2 MILES SOUTH OF NC 210	Operational
W7501	RANDOLPH	US 220	0.1 MILES NORTH OF SR 1247	Operational
W8501	SURRY	I-77	0.5 MILES NORTH OF SR 1345 (MP 98)	Operational
C9101	WAKE	US-1	0.10 MILES SOUTH OF SUMNER BLVD	Operational
C9104	WAKE	NC-540	0.58 MILES WEST OF I-40	Operational
C9102	WAKE	I-40	0.58 MILES WEST JONES SAUASGE RD	Non-Operational
C9103	WAKE	US 70	0.08 MILES EAST OF LYNN RD	Non-Operational
W0301	ANSON	US 74	0.1 MILES WEST OF SR 1740	Non-Operational
W1001	BUNCOMBE	I-40	1.6 MILES WEST OF SR 2838 (MP 55)	Non-Operational
W1002	BUNCOMBE	I-40	1.3 MILES WEST OF SR 2740 (MP 57)	Non-Operational
W1003	BUNCOMBE	I-240	0.5 MILES EAST OF US 70 (MP 8)	Non-Operational
W1101	BURKE	I-40	0.3 MILES WEST OF SR 1744 (MP 109)	Non-Operational
W1804	CHATHAM	US 421	0.8 MILES NORTH OF US 64	Non-Operational
W1901	CHEROKEE	US 64	0.4 MILES EAST OF US 19-129	Non-Operational
W1902	CHEROKEE	US 74	0.3 MILES WEST OF SR 1390	Non-Operational
W2101	CLAY	US 64	0.5 MILES EAST OF SR 1304	Non-Operational
W2201	CLEVELAND	US 74	0.7 MILES EAST OF SR 2026	Non-Operational
W2202	CLEVELAND	I-85	0.3 MILES EAST OF NC 161 (MP 8)	Non-Operational
W2801	DAVIDSON	US 52	1.6 MILES NORTH OF SR 1508	Non-Operational
W3101	DURHAM	NC 147	0.4 MILES NORTH OF SR 1940	Non-Operational
W3301	FORSYTH	US 311	0.6 MILES EAST OF SR 2698	Non-Operational
W3501	GASTON	US 321	0.1 MILES SOUTH OF NC 279	Non-Operational
W4001	GUILFORD	US 220	1.6 MILES NORTH OF NC 62	Non-Operational
W4002	GUILFORD	NC 68	0.5 MILES NORTH OF BRYAN BLVD	Non-Operational
W4301	HAYWOOD	I-40	1.0 MILES WEST OF US 19-23-74 CONN (MP 26)	Non-Operational
W4801	IREDELL	I-40	0.3 MILES WEST OF US 21 (MP 151)	Non-Operational
W4901	JACKSON	NC 107	0.3 MILES NORTH OF SR 1001	Non-Operational
W4902	JACKSON	US 74-441	0.2 MILES EAST OF SR 1391	Non-Operational
W5201	LEE	US 1	0.1 MILES SOUTH OF SR 1423	Non-Operational
W5501	MACON	US 23-441	0.2 MILES SOUTH OF SR 1504	Non-Operational
W5601	MADISON	I-26	0.1 MILES WEST OF US 19 (MP 3)	Non-Operational
W5901	MECKLENBURG	SR 1138	0.7 MILES EAST OF NC 49	Non-Operational
W5902	MECKLENBURG	I-77	0.1 MILES SOUTH OF I-485 (MP 2)	Non-Operational
W5903	MECKLENBURG	NC 24	0.2 MILES EAST OF US 21	Non-Operational
W6001	MITCHELL	US 19E	0.1 MILES EAST OF SR 1121	Non-Operational
W6301	NASH	I-95	0.5 MILES SOUTH OF SR 1745 (MP 129)	Non-Operational
W6601	ONSLOW	SR 1245	0.1 MILES NORTH OF SR 1209	Non-Operational
W6901	PASQUOTANK	US 17	0.4 MILES SOUTH OF US 158	Non-Operational
W7301	PITT	US 264	0.3 MILES WEST OF NC 33	Non-Operational
W7401	POLK	I-26	0.5 MILES EAST OF US 74 (MP 67)	Non-Operational
W7701	ROBESON	I-95	1.0 MILES SOUTH OF NC 130 (MP 1)	Non-Operational
W7801	ROCKINGHAM	US 29	1.8 MILES NORTH OF US 158	Non-Operational
W7803	ROCKINGHAM	US 220	0.5 MILES SOUTH OF SR 2150	Non-Operational
W8201	SCOTLAND	US 74	0.1 MILES EAST OF NC 79	Non-Operational
W8301	STANLY	US 52	0.1 MILES NORTH OF NC 8-740	Non-Operational
W9101	WAKE	I-40	0.8 MILES EAST OF NC 54 (MP 291)	Non-Operational
W9201	WARREN	I-85	0.2 MILES EAST OF US 1 (MP 233)	Non-Operational



# **Traffic Monitoring at NCDOT**

Mike Bruff, P.E.  
Transportation Planning Branch

# Traffic Monitoring System

Mandated under ISTEA (1991):

- Performed at the state level to support a nationwide system
- Must meet Highway Performance Monitoring System (HPMS) requirements

Traffic Survey Group manages the TMS

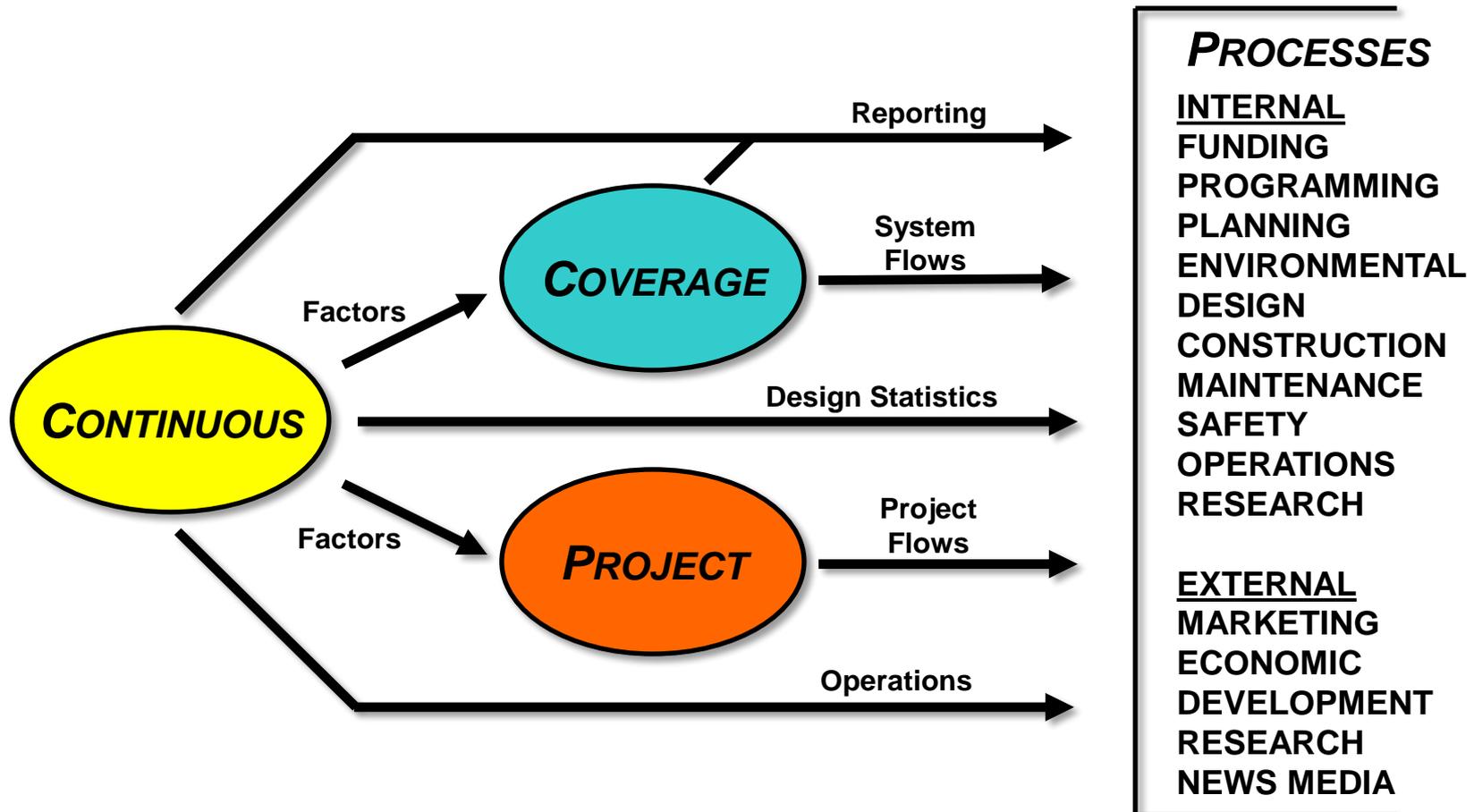
# Traffic Monitoring System

TMS is comprised of 3 programs:

- Continuous Count
- Coverage Count
- Project Count

Each provides specific traffic data resources

## Traffic Monitoring System



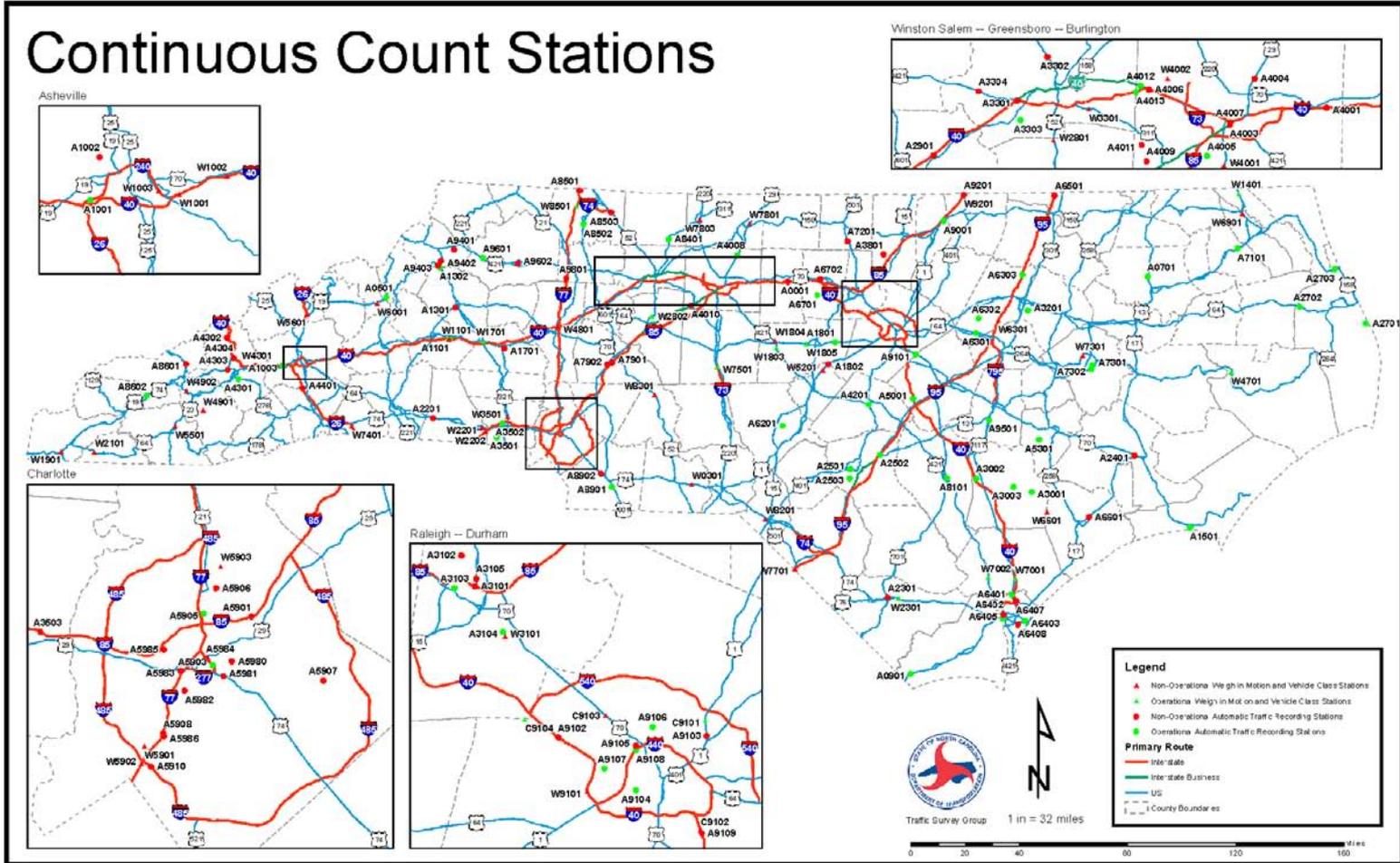
# Continuous Count Program

Extensive traffic data sets at a sampling of locations across North Carolina

- Volume – total traffic volume
- Class – distribution of vehicle types
- Weight – loadings applied by trucks

Identify common travel patterns for generating seasonal factors and design statistics

## Continuous Count Stations



# Coverage Count Program

Small amount of data at many locations

- Volume – AADT
- Class – Truck AADT

Short term counts are seasonally factored to annual averages for calculation of travel and for making comparisons

AADT = Annual Average Daily Traffic

# Coverage Count Program

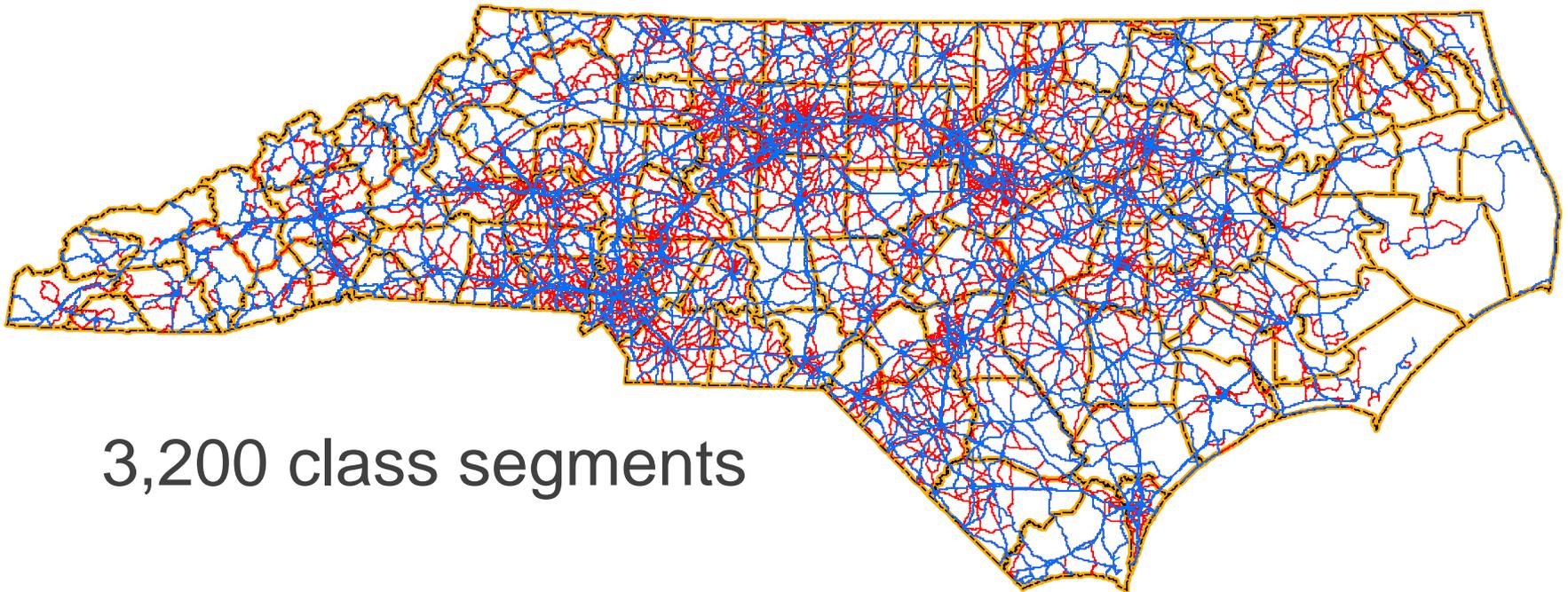
What do we cover?

- Volume – FC higher than Local
- Class – NHS and Truck Routes

We collect volume data on some Local routes but do not have a full coverage

We cover all of North Carolina:

28,500 volume segments



3,200 class segments

Count 25,000 stations annually

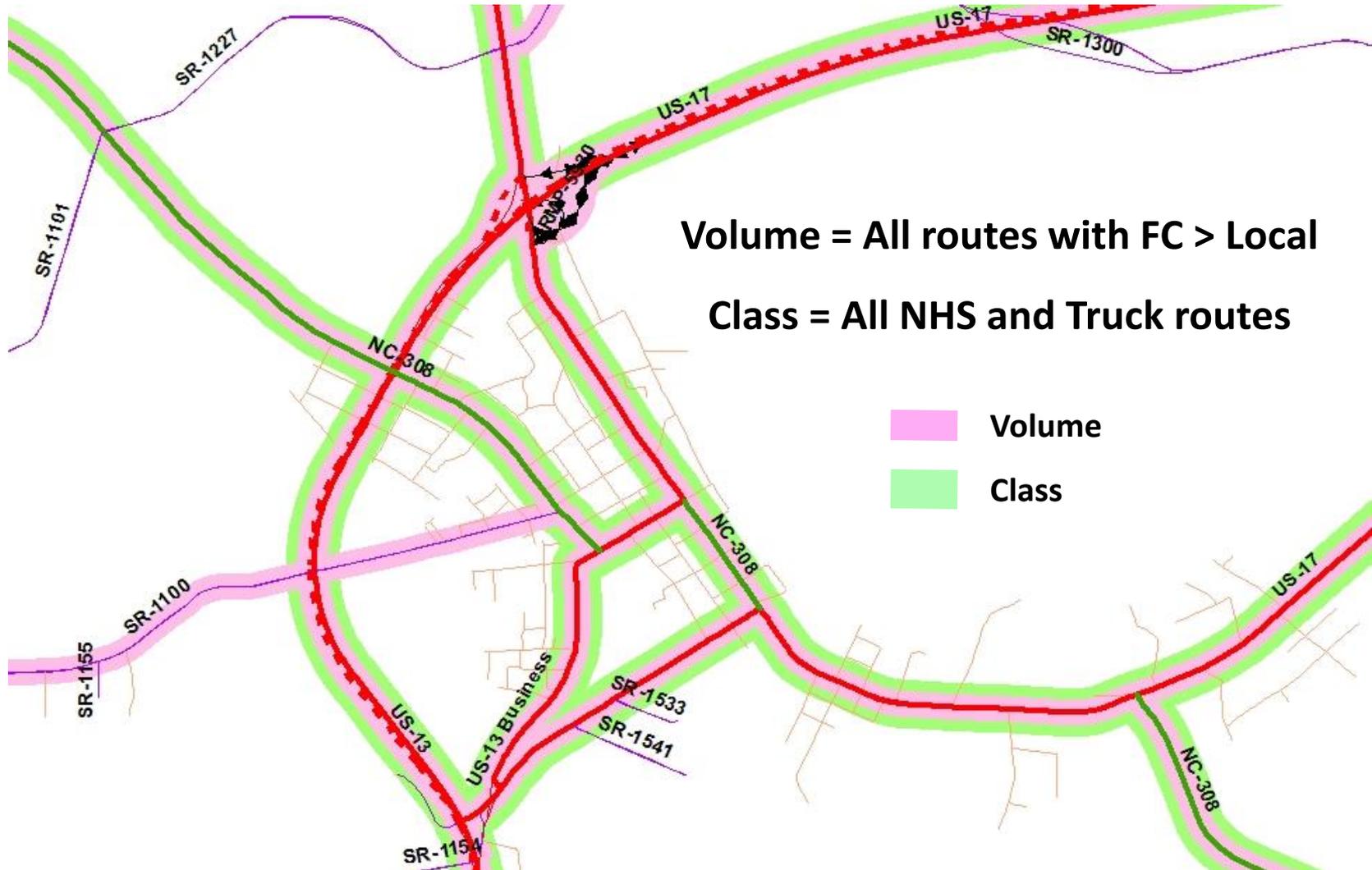
## Project Count Program

Collect more detailed traffic data for specific study areas

- Planning Studies – CTP, modeling
- TIP – traffic forecasts
- Research – as needed

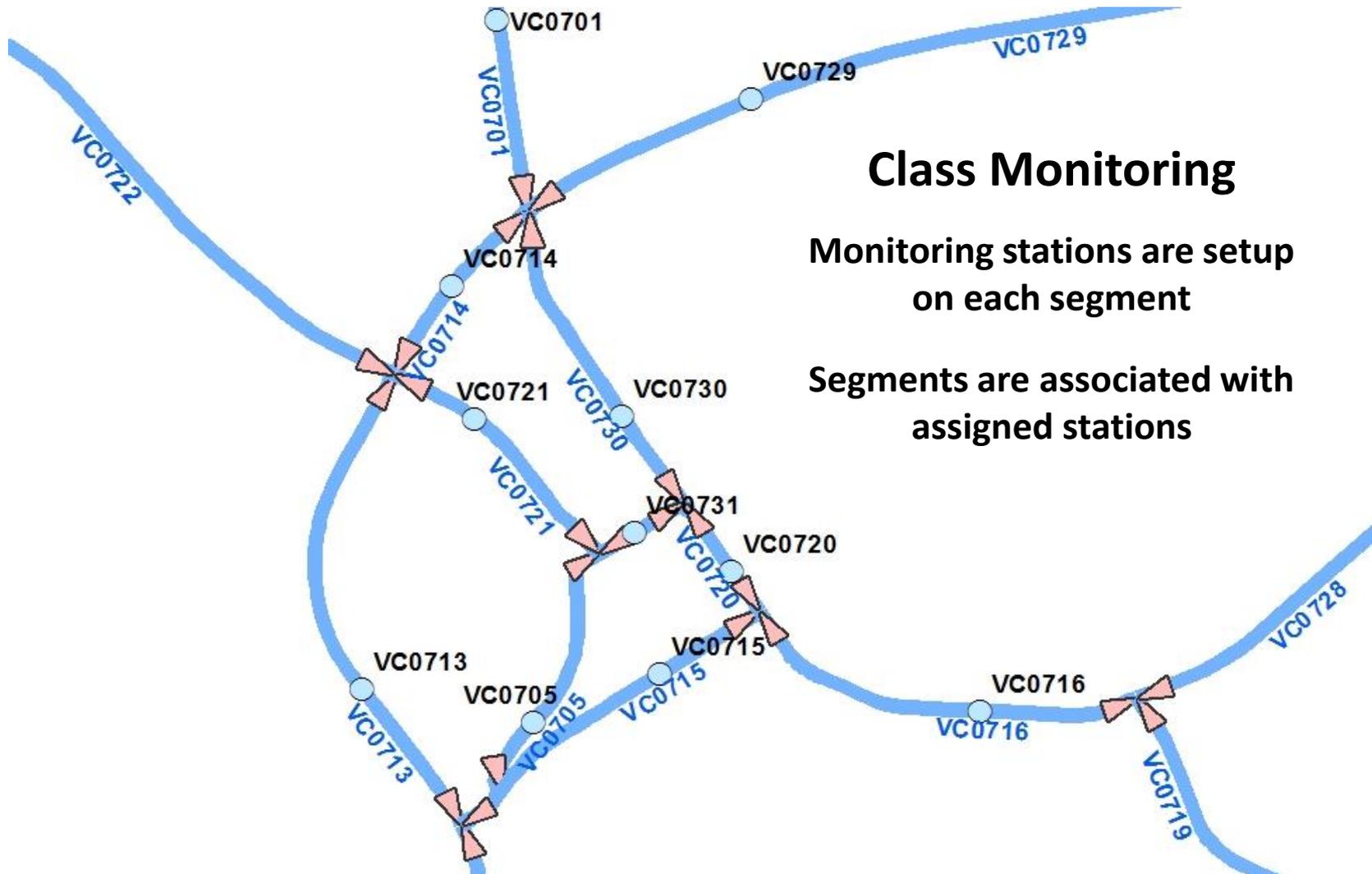
Identify base year travel for the study

## TMS Example





## TMS Example



### Class Monitoring

Monitoring stations are setup on each segment

Segments are associated with assigned stations

## TMS Example

### Data Collection

Volume Stations:

Annually

Interstate

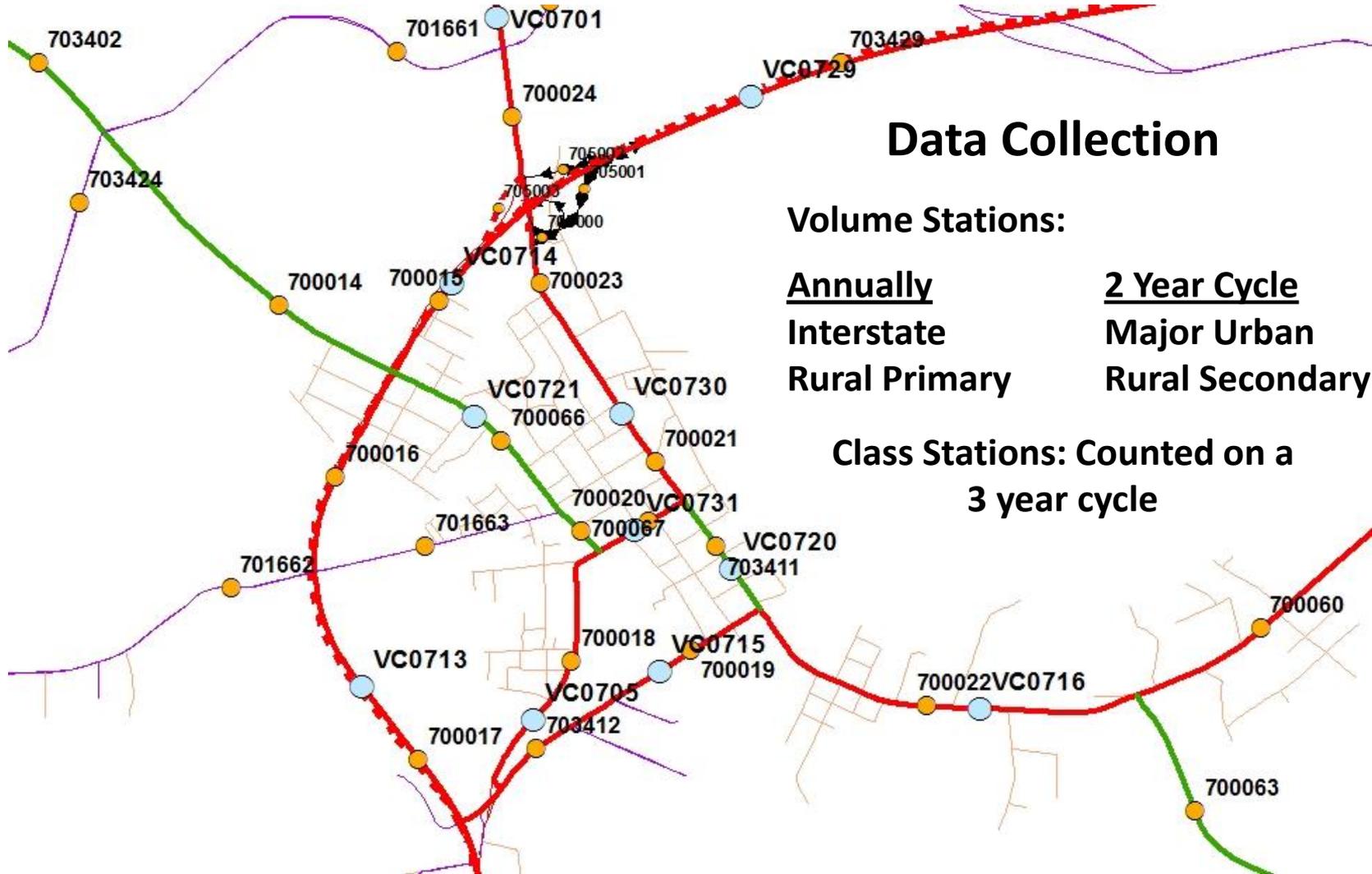
Rural Primary

2 Year Cycle

Major Urban

Rural Secondary

Class Stations: Counted on a  
3 year cycle



# Volume Coverage - AADT

Standard method:

- Collect 2 daily axle pair counts
- Apply axle factor to raw count - converts to volume
- Apply seasonal factors to each day
- Average the two AADT estimates

Compare to previous AADT (temporal) and nearby AADT (spatial) – fail AADT that are inconsistent

# Volume Coverage - AADT

Ramp Balancing method (Interstates):

- Collect 7 day vehicle counts on the mainline every 5 to 8 interchanges (control stations)
- Collect 2 day counts on all ramp stations
- Apply seasonal factors and average for station AADT
- Adjust ramp volumes to balance with the control AADT
- Calculate AADT at mainline stations not counted

100 controls + 2700 ramps = 650 stations

# Volume Coverage - AADT

Growth Factoring method:

- Calculate growth factors using AADT for each station counted in the current year
- Average factors by county/major urban area for Primary and Secondary route types
- Apply growth factors to previous year AADT to generate current year AADT for uncounted stations

All volume stations without a count based AADT for the current year have an AADT estimated using this method

# Class Coverage - Distributions

Standard method:

- Collect 48 hours in the FHWA 13 class scheme
- Seasonally factor truck classes to AADT
- Seasonally factor total volume to AADT
- Calculate passenger vehicle classes by subtracting Truck AADT from Total AADT
- Calculate annualized class distribution

The annualized distribution can be applied to Total AADT

# Class Coverage - Distributions

Manual Class method:

- Collect 16 hours in the NCDOT 4 class scheme
- Expand to 24 hour estimates
- Seasonally factor using the same steps used in the standard method
- Disaggregate to the FHWA 13 class scheme
- Calculate annualized class distribution

Used when unsafe to collect the standard type

# Class Coverage – Truck AADT

## Application of Class Distributions:

- Class distributions from each class segment are assigned to each volume segment that falls within it
- Single Unit Trucks (SU) are calculated using  
Sum of Class 4 to 7 dist. x Total AADT
- Multi Unit Trucks (MU) are calculated using  
Sum of Class 8 to 13 dist. x Total AADT

Supports updating truck AADT estimates every year

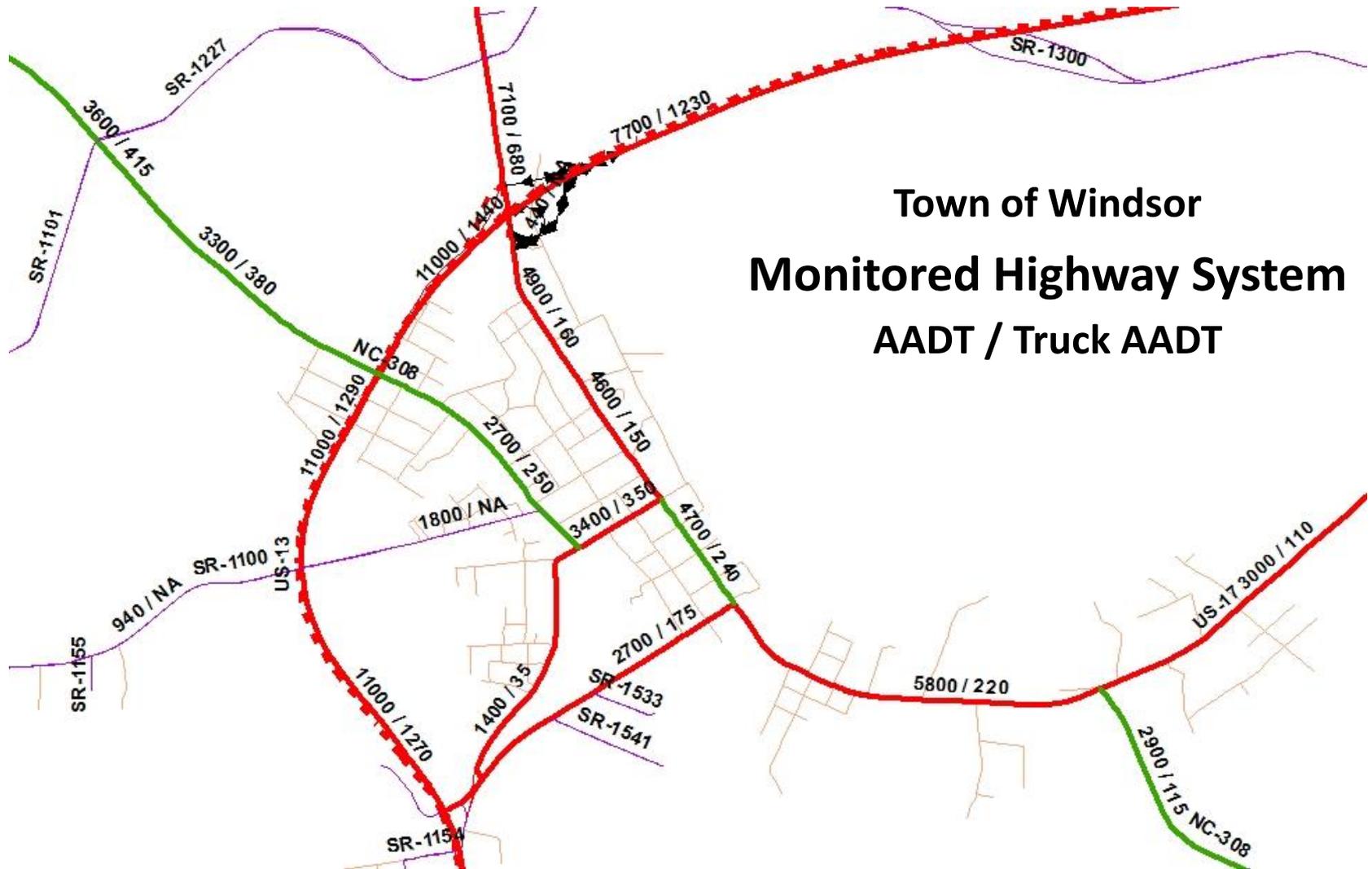
## Published Data

Putting it all together:

- Total AADT is estimated each year for all volume monitoring segments
- Truck AADT is estimated each year for all NHS and NC truck routes
- Both are published using the volume segments

The process meets federal reporting requirements

## TMS Example



**Town of Windsor  
Monitored Highway System  
AADT / Truck AADT**

## MULTIMODAL COMMITTEE MEETING

April 2, 2014

9:00-11:00 EIC Room

John Collett, Chair, called the meeting to order.

Board Members in attendance: John Collett, Andrew Perkins, Malcolm Fearing, John Lennon, Cheryl McQueary and Mike Smith.

Captain of First Flight awards were presented by Richard Walls to Ray Edwards and Terry Carlyle.

A motion to approve March 5, 2014 Multimodal Committee Meeting minutes was made by John Lennon and seconded by Cheryl McQueary. The motion was approved.

### Funding Items

- Item I-1 – Public Transportation – Debbie Collins  
[http://www.ncdot.gov/about/board/bot/meeting\\_archives.html](http://www.ncdot.gov/about/board/bot/meeting_archives.html)  
(2014 - April Documents – ItemI-1)
- Item I-4 – Aviation - Bobby Walston  
[http://www.ncdot.gov/about/board/bot/meeting\\_archives.html](http://www.ncdot.gov/about/board/bot/meeting_archives.html)  
(2014 - April Documents – ItemI-4)

A motion to approve was made to by Andy Perkins and seconded by Mike Smith. The motion was approved. Board member Malcolm Fearing abstained from voting.

### Ferry Division – Richard Walls

- Operational update given by Jed Dixon – Congressman Jones has been very supportive with permit and regulation requirements
- Presentation – Social Media by Tim Hass  
[http://www.ncdot.gov/about/board/bot/meeting\\_archives.html](http://www.ncdot.gov/about/board/bot/meeting_archives.html)  
(2014 - April Documents – Social Media Presentation)
  - Action Item – Committee members recommend a formal agreement to control content or NCDOT needs to create our own app
- Presentation – Hatteras Video by Jed Dixon

### Public Transportation Division – Debbie Collins

- Currently working on the FTA State Management Plan
- Presentation – Fortify Support by Phillip Veneer

April 2014 Multimodal Committee Minutes

[http://www.ncdot.gov/about/board/bot/meeting\\_archives.html](http://www.ncdot.gov/about/board/bot/meeting_archives.html)  
(2014 - April Documents – Fortify Update)

- Continue to work with TTA to get ridership levels up

Aviation Division – Bobby Walston

- Introduces Paul Freeman, FAA
- Presentation – Pre-STI Project Prioritization Process  
[http://www.ncdot.gov/about/board/bot/meeting\\_archives.html](http://www.ncdot.gov/about/board/bot/meeting_archives.html)  
(2014 – April Documents – Pre-STI Project Prioritization Process)
- NC Airport Association Conference April 23-25<sup>th</sup> in Asheville
- NCDOT NOW Video on Aviation this month

Rail Division – Paul Worley

- The Rail Report  
[http://www.ncdot.gov/about/board/bot/meeting\\_archives.html](http://www.ncdot.gov/about/board/bot/meeting_archives.html)  
(2014 – April Documents - Rail Report)

Meeting adjourns.

# MEETING AGENDA

## Multimodal Committee

*Wednesday, April 30, 2014, from 9:00-11:00*

### *EIC Room*

- Call to Order John Collett
- Approval of Minutes Committee Members
- Funding Items Transit Directors
- Guest Speaker - TTA David King
- Rail Division Paul Worley
  - Rail Report
  - Presentation – Rail Plan
- Bicycle & Pedestrian Division Lauren Blackburn
  - Presentation – Bike & Pedestrian Update
- Ferry Division Richard Walls
  - Operations Report (3 Handouts)
- Public Transportation Division Debbie Collins
  - Division Report
- Aviation Division Bobby Walston
  - Update
- Adjourn



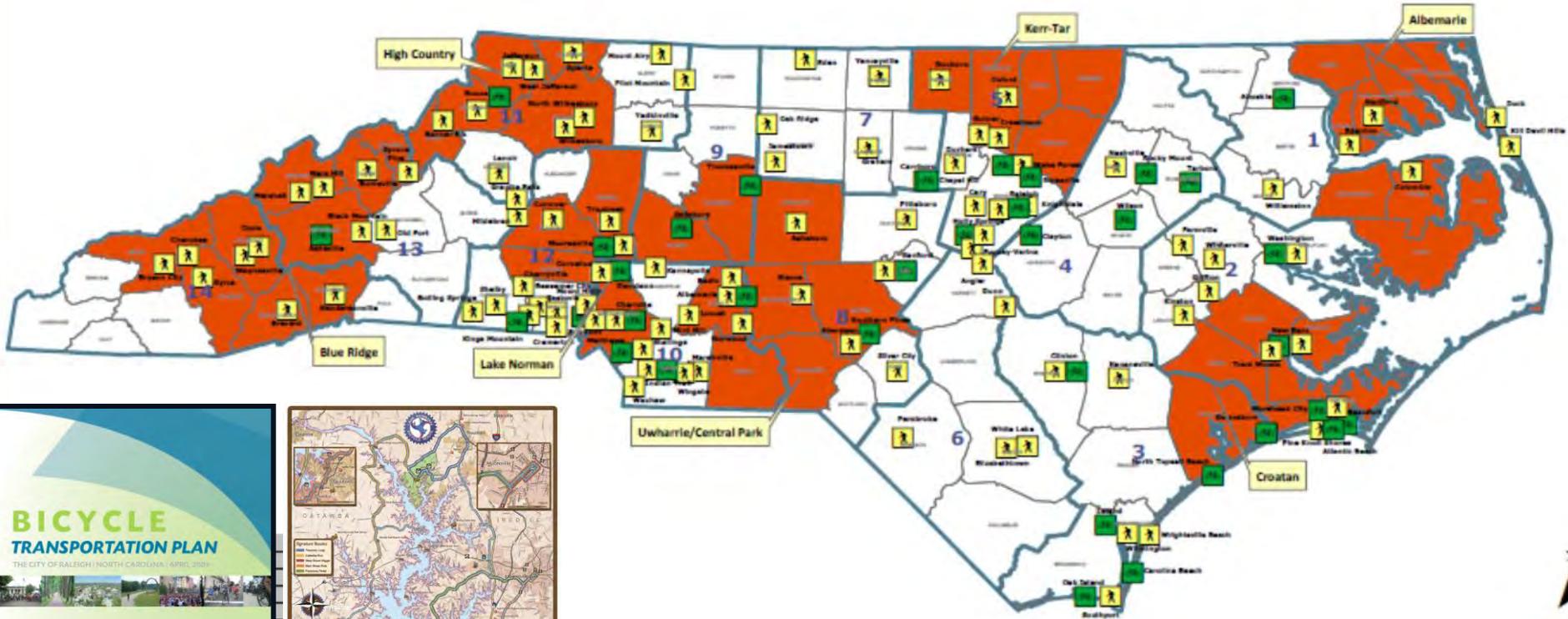
North Carolina  
DEPARTMENT OF TRANSPORTATION

# NCDOT Bicycle and Pedestrian Division Update

Lauren Blackburn, AICP  
[lablackburn2@ncdot.gov](mailto:lablackburn2@ncdot.gov)

April-May 2014

# Bicycle and Pedestrian Plans Initiated as of March 2014



<b>Town/County Division</b>	<b>Project Description</b>
Hookerton Greene Co, Div 2	<b>Town of Hookerton</b> Bicycle/Pedestrian Plan Population 409
Leland Brunswick Co, Div 3	<b>Town of Leland</b> Pedestrian Plan Population 14,732
Surf City Pender Co, Div 3	<b>Town of Surf City</b> Bicycle/Pedestrian Plan Population 1,919
Youngsville Franklin Co, Div 5	<b>Town of Youngsville</b> Bicycle/Pedestrian Plan Population 1,173
Elizabethtown Bladen Co, Div 6	<b>Town of Elizabethtown</b> Bicycle Plan Population 3,611
Sedalia Guildford Co, Div 7	<b>Town of Sedalia</b> Bicycle/Pedestrian Plan Population 633

<p><b>Town/County Division</b></p>	<p><b>Project Description</b></p>
<p>Spencer/East Spencer Rowan Co, Div 9</p>	<p><b>Town of Spencer/East Spencer</b> Bicycle/Pedestrian Plan Population 4,801</p>
<p>Cornelius Mecklenburg Co, Div 10</p>	<p><b>Town of Cornelius</b> Pedestrian Plan Population 25,671</p>
<p>Black Mountain Buncombe Co, Div 13</p>	<p><b>Town of Black Mountain</b> Bicycle Plan Population 7,971</p>
<p>Marion McDowell Co, Div 13</p>	<p><b>City of Marion</b> Bicycle Plan Population 8,181</p>
<p>Valdese/Rutherford Coll. Burke Co, Div 13</p>	<p><b>Town of Valdese/Rutherford College</b> Pedestrian Plan Population 5,827</p>
<p>Saluda Polk Co, Div 14</p>	<p><b>Town of Saluda</b> Bicycle/Pedestrian Plan Population 715</p>

# North Carolina

## Statewide Pedestrian and Bicycle Plan



# Walk Bike NC

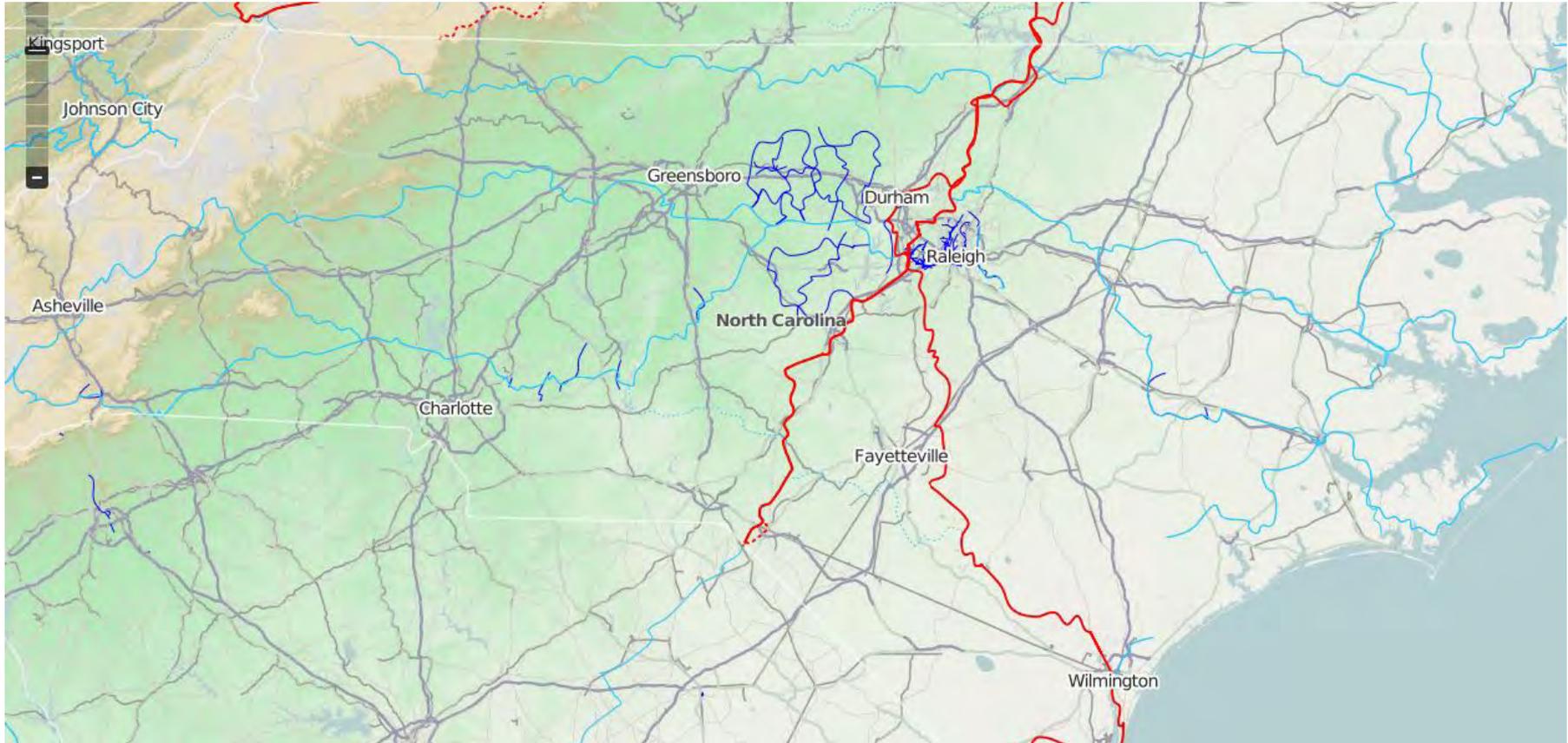


**alta**



PLANNING + DESIGN

# Online Map for Bicycle Routes



- Add new data and establish graphic conventions within ArcGIS online viewer
- Link to WalkBikeNC.com website

North Carolina Department of Transportation  
**Complete Streets**  
Planning and Design Guidelines



July 2012

Download the Guidelines at  
[www.completestreetsnc.org](http://www.completestreetsnc.org)

## July 2009

- ✓ **Complete Streets Policy Adopted**

## July 2012

- ✓ **Design Guidelines Released**

## 2013

- ✓ **24, 2-day training sessions**

## 2014

- ✓ **3 additional 2-day training sessions**
- ✓ **One day summer conference**

**WATCH  
FOR ME - NC**



About the Campaign

Crash Facts

Safety Resources

Media

>> Home

**Yield to people in crosswalks.**  
It's the law.

WatchForMeNC.org



## We're all in this together

We all share the responsibility to make sure North Carolina roads are safe.

Here's your chance to learn how to be a safer driver, bicyclist and pedestrian, and ultimately, reduce the number of people hit or killed by vehicles on North Carolina streets.

Search for:

Search

## Latest News

**September 3, 2013**

Watch for Me NC 2013 campaign officially kicks off with a bike ride in Raleigh. [Click here for more details.](#)

**August 15, 2013**

Look for Watch for Me NC campaign messages on Triangle Area buses.

**July 25-August 2, 2013**

National Pedestrian/Bicycle Safety Enforcement Expert Peter Flucke provides tactical training workshops for Triangle police.

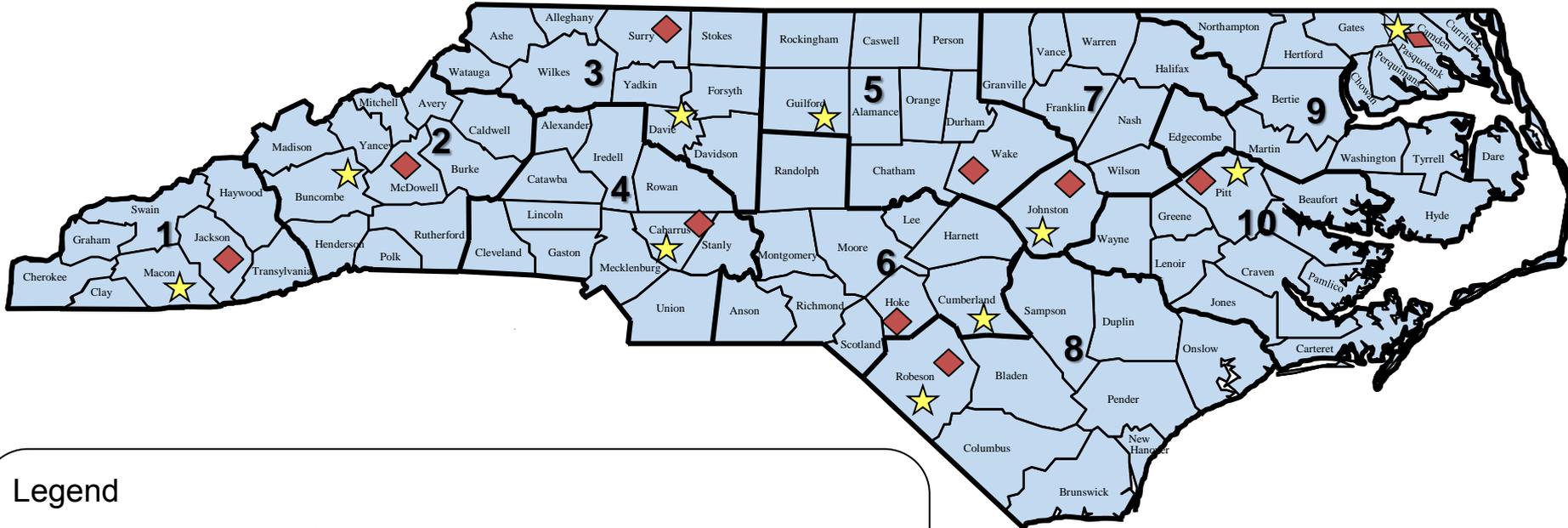
**July 15, 2013**

Nine Triangle-area municipalities pass resolutions in support of the Watch for Me NC campaign.

**November 14, 2012**

National Highway Traffic Safety Administration Administrator David

# Active Routes to School Regions



## Legend

- ◆ Active Routes To School Lead Health Departments
- ★ Community Transformation Grant Project Lead Health Departments
- Counties
- Regions

Last updated: 04/14/14

# Bicycle and Pedestrian Traffic Counts



- 2014- purchase counters, identify locations, initiate counts in Triad region
- 2015- evaluation, launch statewide counts program

# Other Research Studies

- Quantifying Incidental Costs of Bicycle and Pedestrian Improvements (Due Fall Aug 2014)
- American Tobacco Trail Behavioral Impacts Study (Due Winter 2014)
- PBIN (Pedestrian Bicycle Infrastructure Network) (Phase I Due Fall 2014)

ATTACHMENT B

**FERRY DIVISION  
MONTHLY ANALYSIS**

Report Period

Mar-14

Fiscal Year:

FY 13 - 14

Current Year

Previous Year

Annual Appropriation\*\*

\$42,471,532

\$41,038,132

*One-time Hwy Fund Transfer \$2M*

	Current Month	Current Month Previous Year	Fiscal Year Current Year-to-date	Fiscal Year Previous Year-to-date	Capital Reserve Accounts for Ferry Vessel Project Funding per SB 402 CURRENTLY UNDER INTERNAL AUDIT-As Recorded in SAP		
					ROUTE	MONTH	Y-T-D
Pay Periods	2	3	20	20			
Toll Income	\$96,523	\$113,681	\$1,346,671	\$1,368,873	Southport-Fort Fisher	\$0	\$411,564
Other Cptl Rcts	\$983	\$2,728	\$148,187	\$73,876	Cherry Br.- Minnesott	\$0	\$18,961
Designated Capital	\$97,506	\$116,409	\$1,494,858	\$1,442,749	Pamlico River	\$0	\$3,293
					Cedar Island - OI	\$12	\$207,285
O & M Rcts	\$0	-\$899	-\$41,174	<b>-\$2,149,028</b>	Ocracoke - CI	\$11	\$206,909
O & M GROSS	\$3,064,377	\$3,188,918	\$31,000,351	\$30,127,622	Ocracoke - Swan Qtr	\$11	\$209,967
					Hatteras Inlet	\$342	\$53,095
					Currituck - Knotts Is	\$155	\$4,294
<u>Transported</u>					Not Yet Distributed	\$96,904	\$439,433
Vehicles	45,480	50,819	587,155	581,431			
Passengers	85,034	102,277	1,325,243	1,320,039	<b>CAPITAL RESERVES</b>	<b>\$97,434</b>	<b>\$1,554,801</b>

Permanent Employees	441
Temporary Employees-FT	44
Pool Employees	55
Vacant	32
Vacant with actions	12

\*\*Annual Appropriation distributed to Ferry Division WBS numbers upon budget certification based on historical & projected requirements 85%. 'Current Year' includes \$ 1,150,000 state funding Spoil Site Refurbishment. \$ 41,321,532 for Ops & Maint.

Active Projects:  
 ADA Elevator Install- MV Pamlico  
 Dredge Replacement  
 Tier 3 Engine Upgrades  
 Facility and Ramp/Gantry R & R





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

May 1, 2014

MEMORANDUM

TO: Multimodal Committee

FROM: Ed Goodwin, Director  
N.C. Ferry Division

SUBJECT: Ferry Update on Programs and Initiatives

The purpose of this memo is to provide an outline of current North Carolina Ferry Division programs and initiatives. We will be happy to provide any additional information and details if requested.

- **Traffic – Attachment A**  
To date the Division has transported **587,155** vehicles **.98%** more vehicles than this time last year and **1,325,243** passengers **.39%** more passengers than this time last year.
- **Monthly Analysis of Ferry Operations – Attachment B**  
Expenditures for the month of March were **\$3,064,377**. This includes approximately \$499,000 in expenditures that was relative to the Bonner Bridge Scour emergency response.
- **Missed Trip Report**  
The March total for scheduled runs was **4,742** with **332** missed runs for a **93.00%** completion rate. We have completed **46,148** of our **48,005** scheduled runs for a completion rate of **96.13%**. We will continue to seek out and implement initiatives that will help to lower this missed trip percentage even further.
- **Cherry Branch Ramp Construction**  
The contractor anticipates completing an additional ramp for Cherry Branch by the end of April. This project was also awarded under the Ferry Boat Discretionary Fund Grant. The cost of the project is \$2.2M. A second ramp will serve as a contingency for breakdowns and will also allow the ferries to operate in times of severe high tide.
- **Hatteras Alternate Route**  
We continue to use the Hatteras Emergency Route, while dredging is completed in the primary channel. The Dredge Merritt is currently working the Federal portion of this channel and the State Dredge Carolina is working the State maintained portion.

- **Summer Schedules Commence in May**

The summer schedule will commence on 3 routes this month. Hatteras to Ocracoke will start May 13<sup>th</sup>. Cedar Island to Ocracoke and Swan Quarter to Ocracoke will start May 20<sup>th</sup>. We look forward to a busy spring with good ridership, as the weather improves.

- **RFI for Ferry Sponsorship**

A request for information has been released seeking corporate sponsorship for the North Carolina Ferry Division. Once we receive information, the Division will put out a request for proposals to private industry, seeking a cooperate partner, that will have advertising and sponsorship rights for the Division. We will keep you updated on the progress, as this project moves forward.

EG/lps

Attachments



## Technologies Implemented on North Carolina Transit Systems

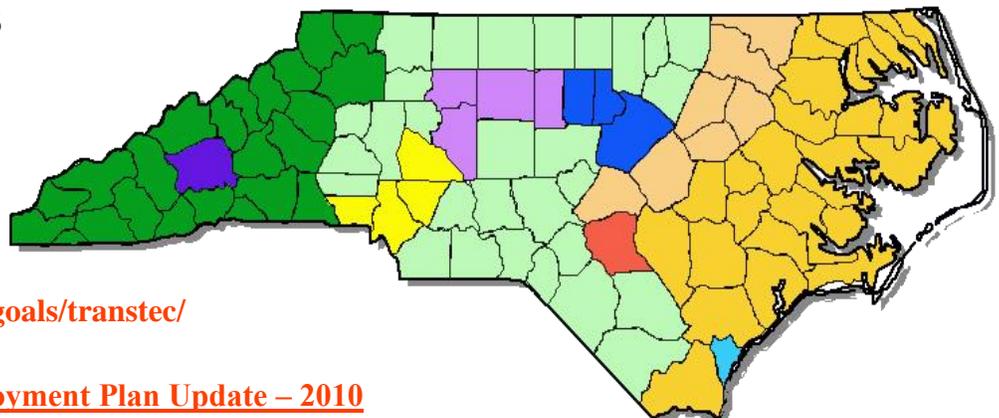
The NCDOT Transit Technology program began with dedicated funding from Transit 2001. Always focused on collecting once and using many, the technology program that started with getting everyone a computer and accounting software has now grown to include technologies such as real time passenger information systems, Interactive Voice Response telephone systems and even parking guidance. This report highlights the accomplishments made in customer service and safety with the technology program by sharing the various technologies and vendors.

### Statewide Projects

- 511 Traveler Information System
- Ridesharing Matching – [sharetheridenc.org](http://sharetheridenc.org)
- Maintenance Software for Community Transportation Systems
- Vehicle Security Cameras in Community Transportation Systems



## NC Regional Intelligent Transportation System (ITS) Plans 10 Planning Regions



### Strategic Deployment Plans

[www.ncdot.gov/about/transgoals/transtec/](http://www.ncdot.gov/about/transgoals/transtec/)

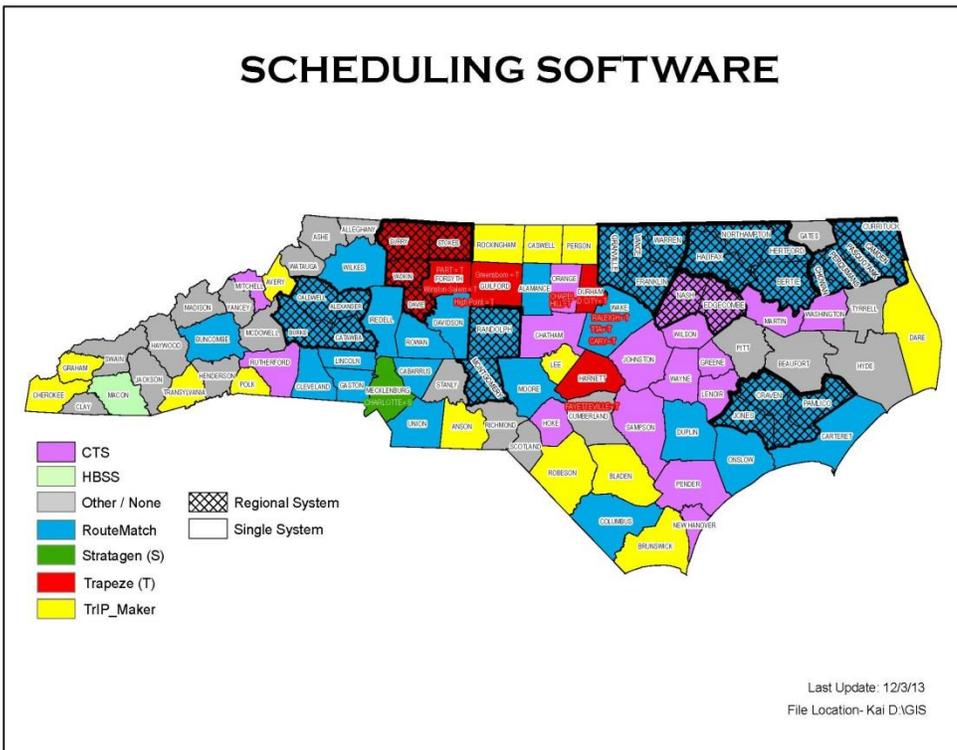
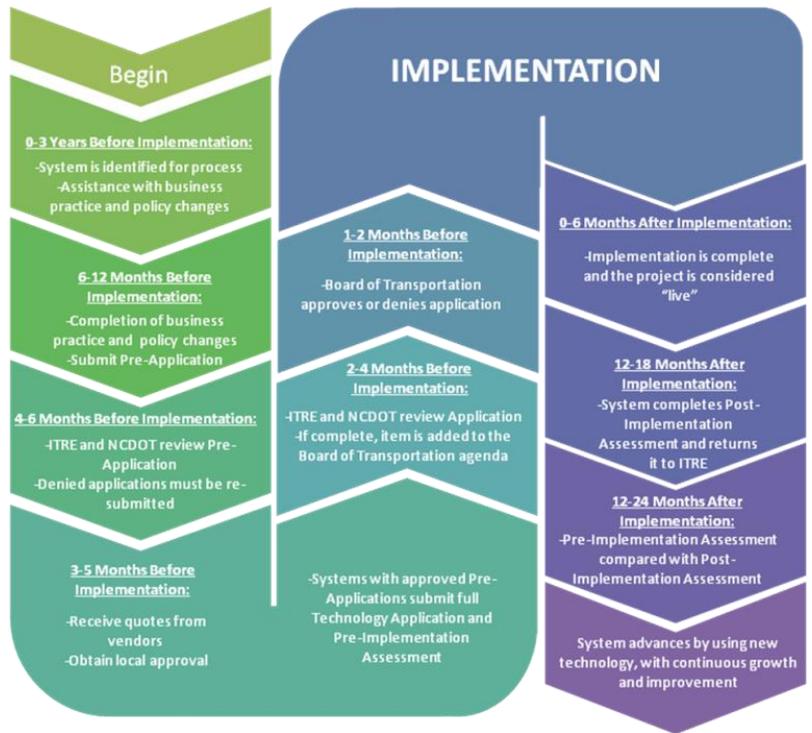
### Triangle ITS Strategic Deployment Plan Update – 2010

<http://www.itre.ncsu.edu/Public/tranres.html>



## Urban Projects – Regional and Individual \*

- **Trip Planning** – Trapeze, Giro, Google Transit
- **Runcutting and Scheduling** – Hastus, Trapeze
- **Paratransit Software (with MDCs)** – Strategen, Trapeze, RouteMatch; **MDCs** – Gray Hawk, Mentor
- **Real Time Passenger Information** – DRI, NextBus, TransLoc, Trapeze
- **Automatic Passenger Counters** – Urban Transportation Assoc, Init
- **Maintenance Software** – AssetWorks, Spear
- **Digital Video Recording Systems (cameras)** – Seon, Verint, GE
- **Interactive Voice Response Telephone for paratransit** – Trapeze, Ontira
- **Automatic Voice Annunciation** – DRI
- **Fareboxes** – GFI
- **Parking Guidance** – TCS International



## Community Transportation \*

- **Paratransit Scheduling Software** – Trapeze, RouteMatch, HBSS, StrataGen, CTS, TriP\_Maker
- **Maintenance Software** - AssetWorks
- **Digital Video Recording System (cameras)** - Seon
- **Mobile Data Computers (MDCs)** – Mentor, now using some Samsung tablets
- **Interactive Voice Response Telephone for paratransit** – RouteMatch, CTS

\*Names following the hyphen are the various vendors

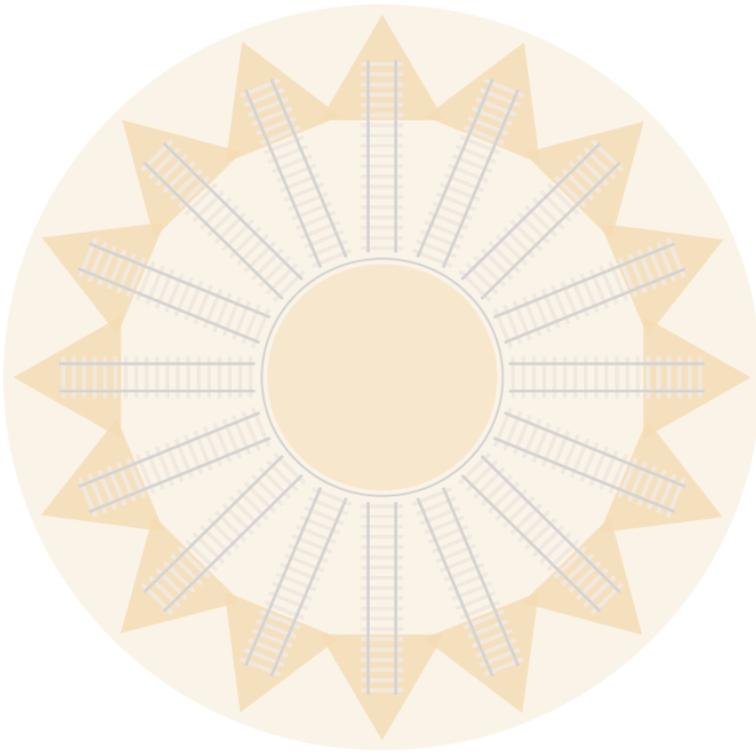
NCDOT Rail Division

**COMPREHENSIVE STATE RAIL PLAN**



April 30, 2014

**Board of Transportation Update**



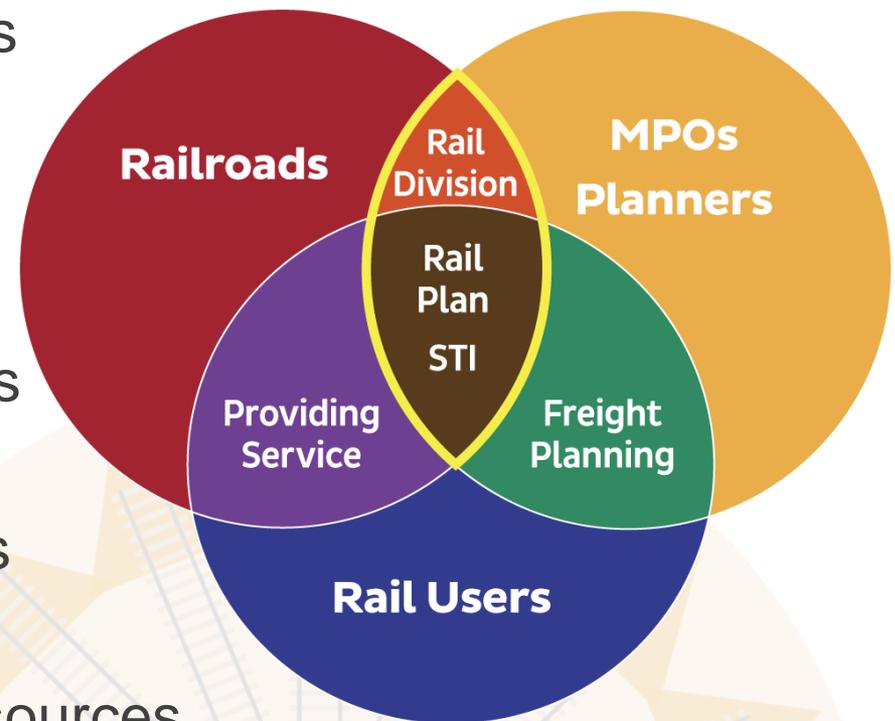
- **State Rail Plan Components**
- **State Rail Planning Themes/Vision**
- **Stakeholder Involvement**

# Plan Outline

1. Role of Rail
  2. Existing System
    - Description & Inventory
    - Trends & Forecasts
    - Service Needs & Opportunities
  3. Passenger Rail Improvements & Investments
  4. Freight Rail Improvements & Investments
  5. Rail Service and Investment Program
  6. Coordination & Review
- 

# State Rail Planning Themes/Process

- ★ Partnerships with stakeholders
- ★ Emerging markets and needs
- ★ Corridors and anticipated demands
- ★ Criteria for prioritizing corridors and projects
- ★ Goals, strategies, and projects (5/10/20 years)
- ★ Funding needs and potential sources
- ★ Economic benefits of planned investments





# Stakeholder Involvement

## ★ Executive Board

- Review/approve all major milestones and policy decisions
- Coordinate with full BOT; Recommend approval to full BOT

## ★ Technical Advisory Committee

- Subject matter experts; provide technical expertise
- Provide staff to review technical memoranda, including recommendations that affect their company or area of responsibility

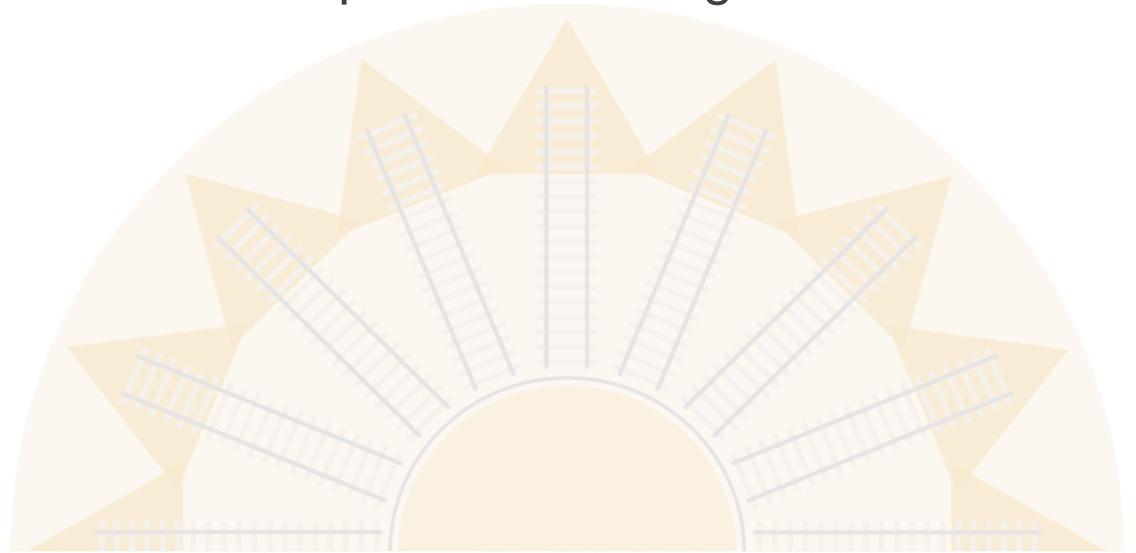
## ★ Industry Working Groups

- Provide data/input for consideration in rail program elements
- Discuss industry, local, and regional needs
- Vet assumptions

# Stakeholder Involvement

## ★ VA-NC High Speed Rail Compact – NC Delegation

- Provide high level perspective on policy, infrastructure needs, and statewide economic focus areas
- Ensure plan is consistent with the economic vision provided by the Governor and Legislature
- Review and provide feedback on potential funding mechanisms



# Rail Plan Timeline

## Spring 2014

- Vision Statement, Goals, Objectives
- Freight & Passenger Trends & Forecasts
- Develop Existing & Prospective Funding Source Technical Memorandum

## Summer 2014

- Identify Passenger Needs
- Identify Freight Needs
- Preliminary Funding Recommendations
- Develop NC Rail Service & Investment Program – Funding, Costs & Economic Benefits

## Fall 2014

- Executive Summary

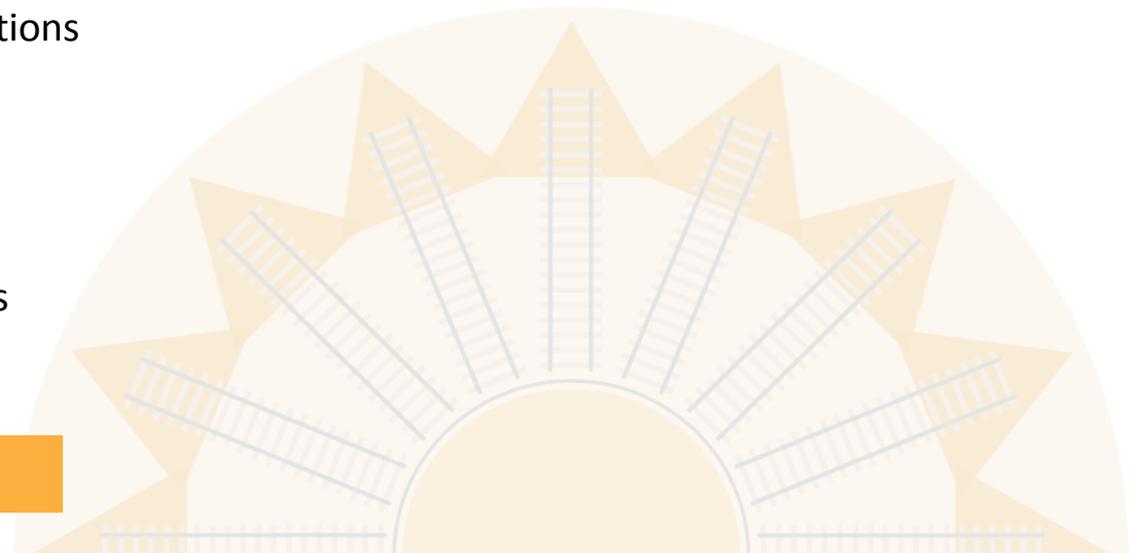
## Winter 2015

- Issue Draft State Rail Plan for public review & input
- Finalize Rail Plan

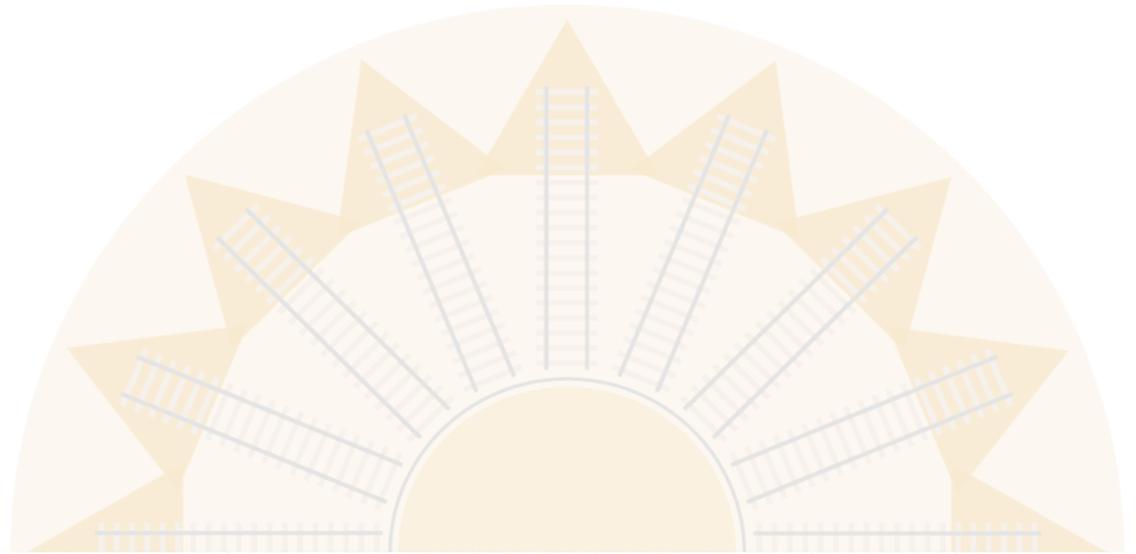
## Spring 2015

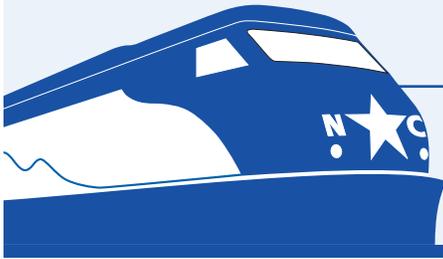
- Approval/ Acceptance by FRA and State Board of Transportation

**Stakeholder Input**



# QUESTION AND ANSWER





# The Rail Report

NCDOT Rail Division



May 2014

## Amtrak President visits North Carolina

Amtrak President Joe Boardman met with NCDOT officials on Wednesday, April 9th. Boardman and Secretary Tony Tata discussed Federal reauthorization and NC rail service and initiatives. After the meeting, Rail and Amtrak leaders did an inspection trip of the Piedmont Improvement Program projects on the rail corridor between Raleigh and Charlotte.



Amtrak President Joe Boardman (left) and Secretary Tony Tata (right)



Rail and Amtrak officials at Charlotte Amtrak Station after completion of Piedmont Improvement Program project inspections

## FR&RCSI Funding and Project Updates

The Rail Division is presenting more than twenty projects for approval to the NCDOT Board of Transportation at the May meeting.

Projects include:

- Short line projects for replacement of rail, addition of sidings, and modernization of heavily-used track and structures
- Economic development projects to add thousands of carloads to the North Carolina rail network
- Safety projects to close existing crossings, eliminating rail-highway hazards at those locations permanently



The funds are authorized by the 2013 session of the General Assembly through Senate Bill 402 and utilizes dividends received from the North Carolina Railroad Company.

## NCDOT and NCSU test biodiesel fuel blends in state-owned locomotives

The Rail Division recognizes the importance of "going green" and strives to embrace eco-friendly technology where available. For the past two years, they have been working with the North Carolina State University Environmental



Engineering (NCSU EE) Department to study the effects of operating *Piedmont* passenger locomotives on biodiesel fuel, with the intention of demonstrating that NCDOT's locomotives can be run on biodiesel fuel with no loss of performance and demonstrate that air quality is improved by reduced engine emissions when using biodiesel fuel. The Rail Division currently has six locomotives in service – four F59PH locomotives and two F59PHI locomotives. Both have been tested during standard operation along the corridor between Raleigh and Charlotte, NC on various blends of biodiesel fuel and standard ultra-low sulfur diesel (ULSD) fuel. Testing typically starts out with a blend of 10% biodiesel and 90% standard ultra-low sulfur diesel (ULSD) fuel, biodiesel levels are then increased incrementally up to 100% pure biodiesel fuel.

NCDOT is one of very few rail service providers nationally to have operated a locomotive in standard passenger rail service using 100% biodiesel fuel and is the first organization to use this method of testing on a locomotive engine. This study has shown that NCDOT's locomotives can successfully operate using biodiesel fuel, and overall engine emissions are reduced by doing so. There is no loss of fuel economy when using biodiesel fuel, and the overall fuel costs are no different than the cost of standard diesel fuel typically used in locomotives.

The Rail Division hopes that by the end of 2014 the entire fleet of locomotives can be running on biodiesel fuel in order to improve air quality at no additional cost to the North Carolina taxpayers.

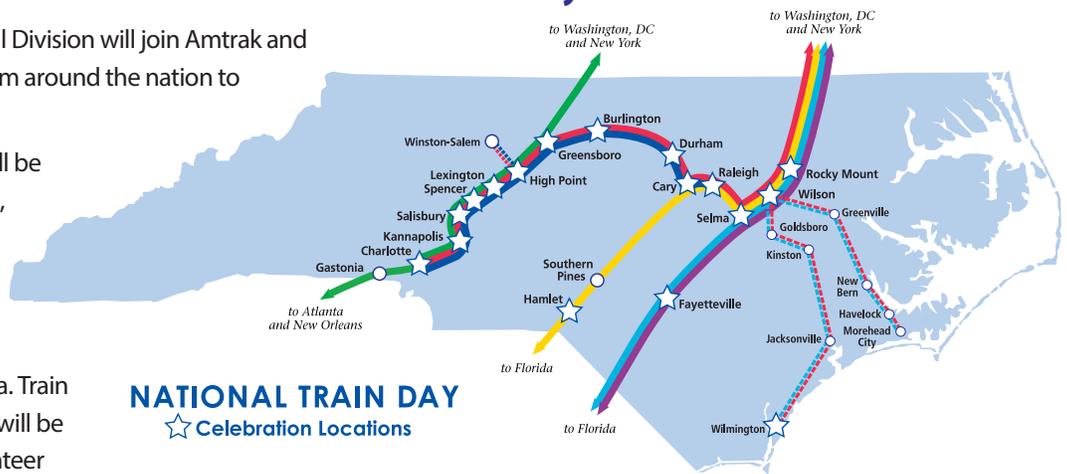


## Join us as we celebrate the 7th Annual National Train Day!

On Saturday, May 10th, NCDOT's Rail Division will join Amtrak and train enthusiasts and supporters from around the nation to celebrate National Train Day.

At stations across the state, there will be activities for children such as games, sing alongs and storytimes by local libraries. There will be food, snacks, NTD cake and lots of fun. Local bands will entertain NTD participants in Burlington and Selma. Train schedules and marketing materials will be available and station staff and volunteer train hosts will be on hand to answer questions about train travel.

To find out more about National Train Day activities in your community, visit [ncbytrain.org](http://ncbytrain.org) or [nationaltrainday.com](http://nationaltrainday.com).



**NATIONAL TRAIN DAY**  
☆ Celebration Locations

The Kids Ride for \$5 promotion is available on National Train Day for travel anywhere within North Carolina.

**KIDS RIDE FOR \$5**

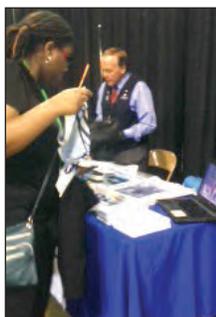
Fare Code V 852

### NCDOT Rail Division participates in Charlotte Career Discovery Day

Charlotte Neighborhood and Business Services held its first student career day event on April 9th. More than three thousand students and parents attended. The Amtrak and Rail Division booth garnered much interest with a rail career powerpoint. Train schedules, marketing and BeRailSafe materials were distributed. A special thank you to NC Train Host Ken Davis who helped staff the booth and talk with students and parents.



Left: Booth set up and ready for visitors. Right: Student watches Rail Careers in North Carolina presentation.



The Piedmont and Carolinian Passenger Survey data collection concluded in April. In total, more than 2,000 surveys were completed. Data from the surveys will be available early June.

### NCDOT Rail Passenger Equipment to be on display at NC Transportation Museum Streamliner Days – May 29 to June 1

This four-day festival at the NC Transportation Museum attracts rail fans from all over North Carolina and as far away as Alaska and Canada. *Piedmont* equipment will be on display to market North Carolina's Amtrak passenger service. BeRailSafe staff will be on hand to promote rail safety.

NCDOT and Amtrak are partnering with the museum to promote taking the train to this event with brochures in the stations and train seatbacks. Amtrak tickets are 10% off. Ask for fare code V563.

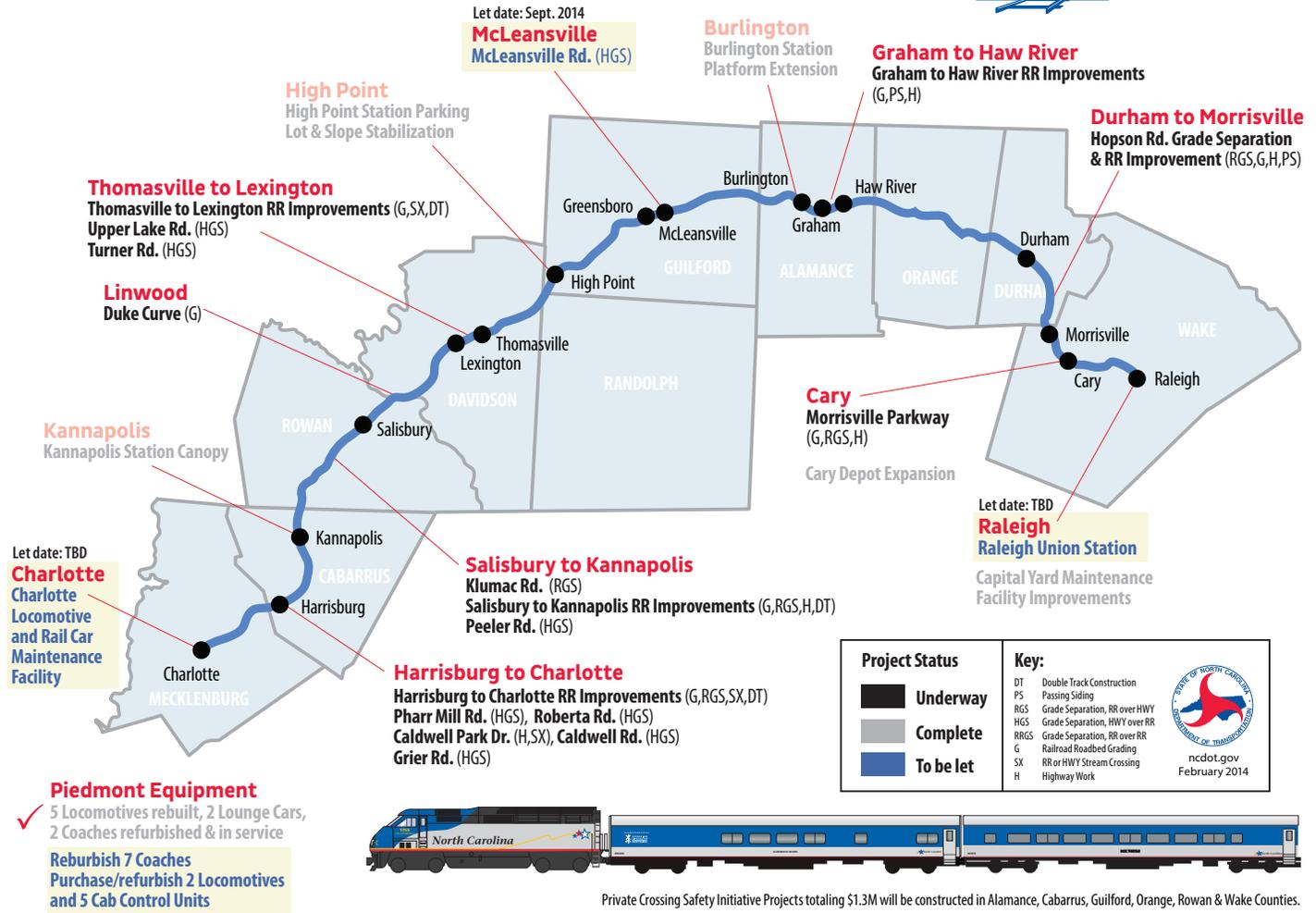
To learn more about this event, visit [nctrans.org](http://nctrans.org).

### Ridership & Revenue on NC's Amtrak Service – February 2014 vs. 2013

	RIDERSHIP			REVENUE		
	2014	2013	% +/-	2014	2013	% +/-
Piedmont	12,303	12,750	-3.5%	\$246,646	\$254,455	+3.1%
Carolinian	18,147	21,207	-14.4%	\$1,018,447	\$1,140,145	-10.7%

Service was annulled for 12 frequencies between February 12 and 14 as a result of winter weather conditions. This impacted ridership numbers for both the *Piedmont* and *Carolinian* trains.

# Piedmont Improvement Program Projects

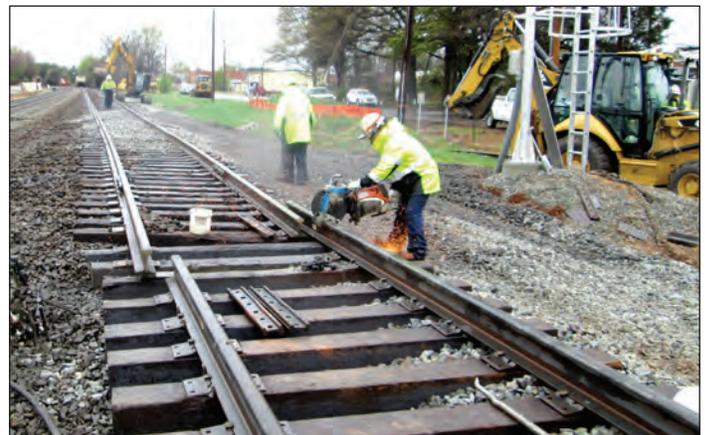


## ARRA Funds Spent to Date (effective 3/31/2014)

Component	
PD&A	\$ 35,365,803
Equipment Procurement & Rebuild	\$23,366,055
Stations & Facilities	\$10,464,532
Track & Structures	\$61,018,847
CRISP	\$2,174,323
<b>Program Totals</b>	<b>\$132,389,561</b> of \$520M awarded FRA Grant Funds

## South End Main Line Forum held in China Grove

On April 9, NCDOT met with local government and community leaders from Harrisburg to Salisbury regarding the PIP Projects in their areas. Rail staff provided project updates. Roundtable discussions followed the presentations.



Detour cut in at Klumac Road

Piedmont Improvement Program Project Photos – late March through April, 2014



U-4716 Hopson Rd./Nelson-Clegg



U-4716 Hopson Rd./Nelson-Clegg



U-4716 Hopson Rd./Nelson-Clegg Structural materials



U-4716 Hopson Rd./Nelson-Clegg



I-2304 Duke Curve Realignment - Complete Roadbed



I-2304 Duke Curve Realignment - Ballast Pad

Piedmont Improvement Program Project Photos – late February through March, 2014



P-5206 Reid to N. Kannapolis – Peeler Road Overpass



C-4901 Bowers to Lake - Upper Lake Road overpass



P-5208 Haydock to Junker - Bridge girder delivery



P-5208 Haydock to Junker - Bridge girder delivery



P-5208 Haydock to Junker - Bridge prep



P-5208 Haydock to Junker - Bridge Girder Delivery

**Special Committee on Road, Bridge, and Ferry Namings**  
**North Carolina Department of Transportation**

11:00 AM – Room 160  
Wednesday, April 30, 2014

- 1) **David B. Melvin**, Bridge No. 188 on SR 1316 (Tar Heel Ferry Rd) over Cape Fear River near Tar Heel, Bladen County (Grannis)
- 2) **Officer Alan C. Silver**, Bridge on Winstead Avenue over US 64 Bypass in Rocky Mount, Nash County (Tulloss)
- 3) **Other Business**

**Committee members: Tata, Curran, Perkins, Lennon, Tulloss, Blount**  
**Staff: J. Nance, & Pair**