



**MEETING AGENDA**  
**Monthly Meeting of the North Carolina Board of Transportation**  
 1 South Wilmington Street Raleigh, North Carolina 27601  
**September 7-8, 2016**

WEDNESDAY, September 7, 2016

**10:30AM – 12:00PM**

Multi-Modal Committee	EIC
Highway Committee	Room 150

**12:00PM – 12:15PM**

**LUNCH IS AVAILABLE/ BREAK**

**Room 150**

**12:15PM**

**Working Lunch – Full Board Attendance**

FY 17 Maintenance Allocations	Delbert Roddenberry
CFO Update	David Tyeryar
Traffic Noise Policy Update	Drew Joyner
Product Evaluation Program Awareness	Jessica Kuse Natalie Roskam
Professional Services Contracts	Robert Stroup

**1:30PM – 1:45PM**

**BREAK**

**1:45PM – 2:30PM**

Economic Development & Intergovernmental Relations Committee	Room 150
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**2:30PM – 3:00PM**

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

Road, Bridge, Ferry Naming Committee	Room 160
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**3:30PM – 5:00PM**

General Meeting Time	Various Locations
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NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

- Call to Order Chairman Curran
- Invocation Pat Molamphy
- Ethics Declaration Chairman Curran
- Approval of August 4, 2016 Board Meeting Minutes Chairman Curran
- Secretary's Remarks Secretary Tennyson
- Ferry Crew – Extra Mile Awards Secretary Tennyson

INFORMATION AND DELEGATED AUTHORITY

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

FHWA Presentation Edward Parker, Assistant Division Administrator

North Carolina State Ports Update Paul Cozza, Executive Director

P4.0 Regional Points David Wasserman

ACTION

**Approval of Projects**

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

Chairman Curran

Committee Reports Chairman Curran  
 Other Business  
 Adjourn

**PROJECTS LIST**  
**NORTH CAROLINA BOARD OF TRANSPORTATION**  
**RALEIGH, NORTH CAROLINA**  
**September 7-8, 2016**

Delegated Authority ..... Secretary Tennyson

- (Item C) Award of Highway Construction Contracts from June 21, 2016 Letting
- (Item D) Award of Contracts to Private Firms for Engineering Services
- (Item E) Funds for Secondary Road Improvement Projects – Highway Fund and Highway Trust Fund
- (Item H) Funds for Division-wide Small Construction, Statewide Contingency, Public Access, and Economic Development
- (Item L) Funds for Specific Spot Safety Improvement Projects

Action ..... Chairman Curran

- (Item G) Additions, Abandonments, and Road Name Changes to State Secondary Road System
- (Item I) Public Transportation Program
  - (Item I-1) Public Transportation
  - (Item I-2) Rail Program
  - (Item I-3) Bicycle and Pedestrian
  - (Item I-4) Aviation
- (Item J) Specific State Funds for Construction Projects
- (Item K) North Carolina Highway Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) Revisions to the 2016-2025 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations
- (Item T) Submission of Comprehensive Transportation Plans for Mutual Adoption by the Board of Transportation **(No Item this month)**

REVISIONS TO THE 2016-2025 STIP  
HIGHWAY PROGRAM  
STIP ADDITIONS

**DIVISION 1**

F-5702 DARE HYDE PROJ.CATEGORY DIVISION	NC 12, HATTERAS FERRY DOCK IN DARE COUNTY TO OCRACOKE FERRY DOCKS IN HYDE COUNTY. CONSTRUCT TWO PASSENGER FERRIES TO BE USED ALONG NEW ROUTE. IMPLEMENT TRANSIT SYSTEM TO AID PASSENGERS ON OCRACOKE ISLAND. <u>ADD PRELIMINARY ENGINEERING IN FY 17 NOT PREVIOUSLY PROGRAMMED. PROJECT RECEIVED STATE APPROPRIATED FUNDS TO PARTNER WITH FLAP GRANT FUNDING.</u>	ENGINEERING	FY 2017 - <u>\$926,000</u> (O) \$926,000
* F-5702A DARE PROJ.CATEGORY DIVISION	NC 12, HATTERAS PARKING LOT IMPROVEMENTS AND CONNECTIVITY MEASURES, HATTERAS LOADING FACILITY AND DOCK. <u>ADD CONSTRUCTION IN FY 17 AND FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT RECEIVED FLAP GRANT.</u>	CONSTRUCTION	FY 2017 - \$130,000 (FLAP) FY 2018 - <u>\$640,000</u> (FLAP) \$770,000
* F-5702B HYDE PROJ.CATEGORY DIVISION	NC 12, OCRACOKE DOCK AND PEDESTRIAN WAITING AND ACCESS ACCOMMODATIONS <u>ADD CONSTRUCTION IN FY 17 AND FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT RECEIVED FLAP GRANT.</u>	CONSTRUCTION	FY 2017 - \$125,000 (FLAP) FY 2018 - \$118,000 (FLAP) FY 2018 - \$407,000 (O) \$650,000
* F-5702C DARE HYDE PROJ.CATEGORY DIVISION	NC 12, CONSTRUCT TWO PASSENGER FERRIES <u>ADD CONSTRUCTION IN FY 17 AND FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT RECEIVED FLAP GRANT.</u>	CONSTRUCTION	FY 2017 - \$2,700,000 (FLAP) FY 2018 - \$3,000,000 (FLAP) \$5,700,000
F-5702D HYDE PROJ.CATEGORY DIVISION	NC 12, CONSTRUCT TRANSIT SHELTERS/BENCHES AND TRANSIT VEHICLES <u>ADD CONSTRUCTION IN FY 17 AND FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT RECEIVED STATE APPROPRIATED FUNDS TO PARTNER WITH FLAP GRANT FUNDING.</u>	CONSTRUCTION	FY 2017 - \$235,000 (O) FY 2018 - <u>\$110,000</u> (O) \$345,000

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\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP  
HIGHWAY PROGRAM  
STIP ADDITIONS

**DIVISION 4**

* I-5976 WILSON PROJ.CATEGORY STATEWIDE	I-95, MILE MARKER 115.2 TO MILE MARKER 122.1. BRIDGE PRESERVATION. <u>ADD CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2017 -	\$2,880,000	(NHP)
				\$2,880,000	

* I-5977 JOHNSTON NASH PROJ.CATEGORY STATEWIDE	I-95, MILE MARKER 131.6 TO MILE MARKER 151.1. I-40, MILE MARKER 333.5 TO MILE MARKER 333.9. BRIDGE PRESERVATION. <u>ADD CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2017 -	\$660,000	(NHP)
				\$660,000	

* I-5978 JOHNSTON PROJ.CATEGORY STATEWIDE	I-95, MILE MARKER 90.3 TO MILE MARKER 91.7. BRIDGE PRESERVATION. <u>ADD CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2017 -	\$2,500,000	(NHP)
				\$2,500,000	

**STATEWIDE**

* M-0515 STATEWIDE PROJ.CATEGORY DIVISION	VARIOUS, RIGHT-OF-WAY BRANCH, REVIEW OF LOCAL PUBLIC AGENCY (LPA) PROJECTS BY THE APPRAISAL SECTION. <u>ADD PROJECT AT THE REQUEST OF THE RIGHT-OF- WAY BRANCH.</u>	RIGHT-OF-WAY	FY 2017 -	\$250,000	(T)
			FY 2018 -	\$250,000	(T)
				\$500,000	

**STIP MODIFICATIONS**

**DIVISION 1**

* B-2500B DARE PROJ.CATEGORY TRANSITION	NC 12, PHASE II, LONG-TERM IMPROVEMENTS AT RODANTHE. <u>TO ALLOW ADDITIONAL TIME TO DEVELOP THE DESIGN BUILD PROPOSALS, MOVE RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 16 TO FY 17.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 -	\$840,000	(NHP)
			FY 2017 -	\$17,440,000	(ER)
			FY 2017 -	\$40,693,000	(NHP)
			FY 2018 -	\$17,440,000	(ER)
			FY 2018 -	\$40,693,000	(NHP)
			FY 2019 -	\$17,440,000	(ER)
			FY 2019 -	\$40,694,000	(NHP)
				\$175,240,000	

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HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 1**

P-5600A	NCVA RR, TRACK IMPROVEMENTS.	CONSTRUCTION	FY 2017 -	\$5,800,000	(DP)
BERTIE	<u>TO ALLOW ADDITIONAL TIME TO COORDINATE WITH</u>		FY 2017 -	\$2,800,000	(T)
HERTFORD	<u>FEDERAL RAIL ADMINISTRATION, DELAY</u>		FY 2017 -	\$3,031,000	(O)
NORTHAMPTON	<u>CONSTRUCTION FROM FY 16 TO FY 17.</u>			\$11,631,000	
PROJ.CATEGORY					
TRANSITION					

**DIVISION 2**

* B-4786	US 13, REPLACE BRIDGE 730038 OVER TAR RIVER.	RIGHT-OF-WAY	FY 2018 -	\$1,000,000	(NHPB)
PITT	<u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 19.</u>	CONSTRUCTION	FY 2019 -	\$2,667,000	(NHPB)
PROJ.CATEGORY			FY 2020 -	\$2,667,000	(NHPB)
REGIONAL			FY 2021 -	\$2,666,000	(NHPB)
				\$9,000,000	

R-5703	NC 148 (HARVEY PARKWAY), NC 58 TO NC 11.	RIGHT-OF-WAY	FY 2017 -	\$5,332,000	(T)
LENOIR	CONSTRUCT MULTI-LANE FACILITY ON NEW LOCATION.	UTILITIES	FY 2017 -	\$2,900,000	(T)
PROJ.CATEGORY	<u>TO CONVERT BACK TO CONVENTIONAL CONTRACT,</u>	CONSTRUCTION	FY 2018 -	\$28,833,000	(T)
REGIONAL	<u>PROJECT WILL NO LONGER BE DESIGN BUILD AND</u>		FY 2019 -	\$28,833,000	(T)
	<u>CONSTRUCTION WILL MOVE FROM FROM FY 17 TO FY</u>		FY 2020 -	\$28,833,000	(T)
	<u>18.</u>			\$94,731,000	

**DIVISION 3**

* U-5790	US 421 (CAROLINA BEACH ROAD), NC 132 (SOUTH	RIGHT-OF-WAY	FY 2020 -	\$4,525,000	(NHP)
NEW HANOVER	COLLEGE ROAD) TO SANDERS ROAD IN WILMINGTON.	UTILITIES	FY 2020 -	\$183,000	(NHP)
PROJ.CATEGORY	WIDEN EXISTING ROADWAY AND CONSTRUCT	CONSTRUCTION	FY 2022 -	\$20,386,000	(NHP)
DIVISION	FLYOVERS AT US 421 AND NC 132.			\$25,094,000	
	<u>TO MODIFY CONTRACT FROM DESIGN BUILD TO</u>				
	<u>CONVENTIONAL DESIGN BID BUILD, MOVE</u>				
	<u>CONSTRUCTION FROM FY 20 TO FY 22.</u>				

**DIVISION 4**

B-4562	SR 2143 (BEULAHTOWN ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$125,000	(STPOFF)
JOHNSTON	500216 OVER LITTLE BUFFALO CREEK.	CONSTRUCTION	FY 2017 -	\$1,250,000	(STPOFF)
PROJ.CATEGORY	<u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17.</u>			\$1,375,000	
DIVISION	<u>PROJECT WILL NOW BE DESIGN BUILD CONTRACT.</u>				

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REVISIONS TO THE 2016-2025 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 4**

B-5654 JOHNSTON PROJ.CATEGORY DIVISION	SR 1550 (WINSTON ROAD), REPLACE BRIDGE 500141 OVER WHITE OAK CREEK. <u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17.</u> <u>PROJECT WILL NOW BE DESIGN BUILD CONTRACT.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$30,000 (STPOFF) FY 2017 - \$604,000 (STPOFF)	\$634,000
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B-5656 WAYNE PROJ.CATEGORY DIVISION	SR 1127 (HERRING ROAD), REPLACE BRIDGE 950133 OVER YELLOW SWAMP. <u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17.</u> <u>PROJECT WILL NOW BE DESIGN BUILD CONTRACT.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$21,000 (STPOFF) FY 2017 - \$415,000 (STPOFF)	\$436,000
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B-5659 JOHNSTON PROJ.CATEGORY DIVISION	SR 1738 (EATMON ROAD), REPLACE BRIDGE 500432 OVER CATTAIL CREEK. <u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17.</u> <u>PROJECT WILL NOW BE DESIGN BUILD CONTRACT.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$16,000 (STPOFF) FY 2017 - \$310,000 (STPOFF)	\$326,000
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C-5546 NASH PROJ.CATEGORY EXEMPT	ROCKY MOUNT, BENVENUE ROAD (NC 43/NC 48) AT JEFFERYS ROAD. INTERSECTION IMPROVEMENTS. <u>TO ALLOW CITY OF ROCKY MOUNT ADDITIONAL TIME</u> <u>FOR DESIGN, DELAY CONSTRUCTION FROM FY 16 TO</u> <u>FY 17.</u>	CONSTRUCTION	FY 2017 - \$130,000 (CMAQ) \$130,000	
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U-3334B JOHNSTON PROJ.CATEGORY DIVISION	SR 1923 (BOOKER DAIRY ROAD) EXTENSION, SR 1003 (BUFFALO ROAD) TO US 301 (BRIGHTLEAF BOULEVARD). <u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u> <u>THRESHOLDS</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - \$2,045,000 (T) FY 2017 - \$2,045,000 (T) FY 2018 - \$6,350,000 (T) FY 2019 - \$6,350,000 (T)	\$16,790,000
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* U-5935 WILSON PROJ.CATEGORY REGIONAL	US 301, BLACK CREEK ROAD TO SR 1515 (LIPSCOMB ROAD). UPGRADE ROADWAY INCLUDING BICYCLE AND PEDESTRIAN ACCOMODATIONS. <u>ADD ADDITIONAL REGIONAL STIP FUNDING TO</u> <u>PARTNER WITH TIGER GRANT. LIMITS OF PROJECT</u> <u>HAVE BEEN EXTENDED.</u>	CONSTRUCTION	FY 2017 - \$10,000,000 (DP) FY 2017 - \$6,500,000 (T) FY 2017 - \$2,000,000 (L)	\$18,500,000
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REVISIONS TO THE 2016-2025 STIP  
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STIP MODIFICATIONS

**DIVISION 4**

W-5500 WAYNE PROJ.CATEGORY TRANSITION	SR 1556 (WAYNE MEMORIAL DRIVE), SR 1622 (WOODSIDE DRIVE) TO SR 1752 (SAULSTON- PATETOWN ROAD). SAFETY IMPROVEMENTS INCLUDING WIDENING, SHOULDERS, SUPERELEVATION REVISIONS, OVERLAYING PAVEMENT MARKINGS AND SIGNING. <u>TO ALLOW ADDITIONAL TIME FOR UTILITY COORDINATION, DELAY CONSTRUCTION FROM FY 16 TO FY 17.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2017 -	\$1,428,000 \$1,505,000	(HSIP) (HSIP)
				\$2,933,000	

**DIVISION 5**

B-5140 WAKE PROJ.CATEGORY HWY FUNDS	SR 1001 (PEARCES ROAD), REPLACE BRIDGE 910195 OVER MOCASSIN CREEK. <u>TO ALLOW ADDITIONAL TIME TO SELECT THE DESIGN ALTERNATIVE, DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND CONSTRUCTION FROM FY 18 TO FY 19</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2018 - FY 2018 - FY 2019 -	\$70,000 \$89,000 \$850,000	(HFB) (HFB) (HFB)
				\$1,009,000	

C-5567 GRANVILLE PROJ.CATEGORY EXEMPT	EAST LYON STATION GREENWAY, TOWN OF BUTNER GREENWAY EXTENSION. CONSTRUCT MULTI-USE PATH. <u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE DESIGN PHASE, DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 16 TO FY 17</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - FY 2017 - FY 2017 - FY 2017 -	\$28,000 \$7,000 \$144,000 \$36,000	(CMAQ) (L) (CMAQ) (L)
				\$215,000	

EB-4707B DURHAM PROJ.CATEGORY TRANSITION	SR 2220, SR 1113 (POPE ROAD) TO SR 1116 (GARRETT ROAD) <u>AT REQUEST OF DIVISION OFFICE, DELAY CONSTRUCTION FROM FY 16 TO FY 17</u>	CONSTRUCTION	FY 2017 - FY 2017 - FY 2017 -	\$4,067,000 \$250,000 \$767,000	(STBGDA) (O) (L)
				\$5,084,000	

U-5537 WAKE PROJ.CATEGORY DIVISION	SR 1521 (LAKE PINE DRIVE), WIDEN TO 3 LANES - NORTH OF MACGREGOR PINES ROAD TO NORTH OF VERSAILLES DRIVE. INCL. 10 FT MULTIUSE PATH EAST SIDE; 5 FT SIDEWALK WEST SIDE. <u>TO ALLOW TIME FOR THE TOWN TO COMPLETE THE R/W PLANS, DELAY RIGHT-OF-WAY FY 16 TO FROM FY 17</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - FY 2017 - FY 2017 - FY 2017 -	\$56,000 \$24,000 \$668,000 \$167,000	(STBGDA) (L) (STBGDA) (L)
				\$915,000	

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REVISIONS TO THE 2016-2025 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 5**

U-5745	NC 751 (HOPE VALLEY ROAD), SR 1183 (UNIVERSITY DRIVE) INTERSECTION IN DURHAM. CONSTRUCT ROUNDABOUT.	RIGHT-OF-WAY	FY 2018 -	\$150,000	(T)
DURHAM		CONSTRUCTION	FY 2019 -	\$1,300,000	(T)
PROJ.CATEGORY				\$1,450,000	
REGIONAL	<u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE DESIGN PHASE, DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND CONSTRUCTION FROM FY 18 TO FY 19</u>				

**DIVISION 6**

* B-5339	SR 1544 (GUY ROAD), REPLACE BRIDGE 420233 OVER BLACK RIVER TRIBUTARY.	RIGHT-OF-WAY	FY 2023 -	\$80,000	(STPOFF)
HARNETT		CONSTRUCTION	FY 2024 -	\$770,000	(STPOFF)
PROJ.CATEGORY				\$850,000	
DIVISION	<u>PROJECT FUNDING BEING SWITCHED BACK TO STIP FUNDING, DELAY RIGHT-OF-WAY FROM FY 16 TO FY 23 AND CONSTRUCTION FROM FY 16 TO FY 24.</u>				

* B-5414	SR 1234 (LEAFLET CHURCH ROAD), REPLACE BRIDGE 420195 OVER BRANCH OF UPPER LITTLE RIVER.	RIGHT-OF-WAY	FY 2023 -	\$50,000	(STPOFF)
HARNETT		CONSTRUCTION	FY 2024 -	\$525,000	(STPOFF)
PROJ.CATEGORY				\$575,000	
DIVISION	<u>PROJECT FUNDING BEING SWITCHED BACK TO STIP FUNDING, DELAY RIGHT-OF-WAY FROM FY 16 TO FY 23 AND CONSTRUCTION FROM FY 16 TO FY 24.</u>				

**DIVISION 7**

B-5352	US 220 (NORTHBOUND), REPLACE BRIDGE 780131 OVER NORFOLK SOUTHERN RAILROAD.	RIGHT-OF-WAY	FY 2017 -	\$240,000	(NHPB)
ROCKINGHAM		CONSTRUCTION	FY 2019 -	\$975,000	(NHPB)
PROJ.CATEGORY			FY 2020 -	\$975,000	(NHPB)
STATEWIDE	<u>TO ALLOW ADDITIONAL TIME TO COORDINATE PROJECT DESIGN WITH NORFOLK-SOUTHERN RAILROAD, DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 18 TO FY 19</u>			\$2,190,000	

R-4707	US 29; SR 4771 (REEDY FORK PARKWAY), SR 2641 (BRYAN PARK ROAD) TO US 29 / SR 4771 (REEDY FORK PARKWAY) INTERCHANGE IN GREENSBORO. IMPROVE ROADWAY, MODIFY INTERCHANGE AND REPLACE BRIDGE 400360.	RIGHT-OF-WAY	FY 2019 -	\$3,220,000	(T)
GUILFORD		UTILITIES	FY 2019 -	\$982,000	(T)
PROJ.CATEGORY				\$4,202,000	
REGIONAL	<u>TO ALLOW ADDITIONAL TIME TO PREPARE THE ENVIRONMENTAL DOCUMENT AND SELECT AN ALTERNATIVE, DELAY RIGHT-OF-WAY FY 17 TO FY 19.</u>				

* R-4707A	SR 4771 (REEDY FORK PARKWAY), REPLACE BRIDGE 400360 OVER US 29 AND CONSTRUCT TIE-INS.	CONSTRUCTION	FY 2020 -	\$8,821,000	(T)
GUILFORD				\$8,821,000	
PROJ.CATEGORY	<u>AT REQUEST OF PROJECT DEVELOPMENT BRANCH, DELAY CONSTRUCTION FROM FY 18 TO FY 20.</u>				
DIVISION					

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**DIVISION 7**

U-5306B GUILFORD PROJ.CATEGORY REGIONAL	US 220 (BATTLEGROUND AVENUE), INTERSECTION WITH WESTRIDGE ROAD AND APPROACHES <u>TO ALLOW ADDITIONAL TIME FOR THE CITY TO COMPLETE R/W ACQUISITION AND RELOCATE UTILITIES, DELAY CONSTRUCTION FROM FY 16 TO FY 17</u>	CONSTRUCTION	FY 2017 -	\$3,100,000	(NHP)
				\$3,100,000	

U-5538C ALAMANCE PROJ.CATEGORY DIVISION	NC 119, SR 1981 (TROLLINGWOOD-HAWFIELDS ROAD) IN MEBANE. ADD TURN LANES. <u>TO ALLOW ADDITIONAL TIME TO ADDRESS COMMUNITY HISTORICAL IMPACTS AND COMPLETE PROJECT DESIGN, DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 16 TO FY 17</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - FY 2017 - FY 2017 -	\$150,000 \$250,000 \$450,000	(L) (HSIP) (T)
				\$850,000	

W-5143 ORANGE PROJ.CATEGORY TRANSITION	SR 1004 (EFLAND- CEDAR GROVE ROAD), NORTH OF INTERSECTION WITH SR 1332 (HIGHLAND FARM ROAD). IMPROVE HORIZONTAL ALIGNMENT OF CURVE TO PROVIDE A MINIMUM OF 60 MPH DESIGN SPEED. <u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE R/W PHASE, DELAY CONSTRUCTION FROM FY 16 TO FY 17</u>	CONSTRUCTION	FY 2017 -	\$325,000	(HSIP)
				\$325,000	

**DIVISION 8**

B-5739 RANDOLPH PROJ.CATEGORY DIVISION	SR 2621 (FOUSHEE ROAD), REPLACE BRIDGE 750170 OVER REED CREEK. <u>ACCELERATE RIGHT-OF-WAY FROM FY 17 TO FY 16 AT REQUEST OF DIVISION OFFICE.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2017 -	\$37,000 \$747,000	(STPOFF) (STPOFF)
				\$784,000	

B-5763 RANDOLPH PROJ.CATEGORY DIVISION	SR 2407 (STARMOUNT ROAD), REPLACE BRIDGE 750129 OVER BRANCH OF SANDY CREEK. <u>ACCELERATE RIGHT-OF-WAY FROM FY 17 TO FY 16 AT REQUEST OF DIVISION OFFICE.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2017 -	\$21,000 \$427,000	(STPOFF) (STPOFF)
				\$448,000	

U-3628 MOORE PROJ.CATEGORY REGIONAL	NC 24 / NC 27, COURTHOUSE WEST OF NC 22 (MCNEILL STREET) TO US 15 / US 501 IN CARTHAGE. WIDEN TO THREE LANES WITH CURB AND GUTTER AND BICYCLE / PEDESTRIAN ACCOMMODATIONS. <u>TO REFLECT CHANGE FROM FEDERAL TO STATE FUNDING, DELAY RIGHT-OF-WAY FY 20 TO FROM FY 21 AND CONSTRUCTION FROM FY 22 TO FY 23.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2021 - FY 2021 - FY 2023 -	\$2,031,000 \$244,000 \$3,400,000	(T) (T) (T)
				\$5,675,000	

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REVISIONS TO THE 2016-2025 STIP  
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**DIVISION 9**

EB-4020C FORSYTH PROJ.CATEGORY TRANSITION	BRUSHY FORK GREENWAY, LOWERY STREET TO REYNOLDS PARK ROAD <u>TO ALLOW ADDITIONAL TIME FOR THE CITY TO COMPLETE THE DESIGN PHASE, DELAY RIGHT-OF- WAY FY 16 TO FY 17</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2017 - \$20,000 (STBGDA) FY 2017 - \$5,000 (L) FY 2017 - \$700,000 (STBGDA) FY 2017 - \$300,000 (STPEB) FY 2017 - \$175,000 (L)	
			\$1,200,000	

**DIVISION 10**

B-2506 ANSON PROJ.CATEGORY DIVISION	SR 1627 (PINKSTON-RIVER), REPLACE BRIDGE 030008 OVER BROWN CREEK. <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME TO RESOLVE RIGHT OF WAY ISSUES.</u>	CONSTRUCTION	FY 2017 - \$1,100,000 (STPOFF) \$1,100,000	
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B-5378 MECKLENBURG PROJ.CATEGORY DIVISION	MICHAEL BAKER ROAD, REPLACE BRIDGE 590210 OVER BRIAR CREEK IN CHARLOTTE. <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME TO RESOLVE RIGHT OF WAY ISSUES.</u>	CONSTRUCTION	FY 2017 - \$1,360,000 (STPOFF) FY 2017 - \$340,000 (L) \$1,700,000	
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C-5540 MECKLENBURG PROJ.CATEGORY EXEMPT	CHARLOTTE, NAVIN ROAD, ALPINE DRIVE TO GIBBON ROAD. CONSTRUCT SIDEWALK ON NORTH SIDE. GIBBON ROAD, NEVIN ROAD TO SUGAR CREEK ROAD. CONSTRUCT SIDEWALK ON SOUTH SIDE.WEST SUGAR ROAD, BISANER STREET AND MALLARD CREEK ROAD. FILL GAPS IN SIDEWALK NETWORK ON EAST SIDE. <u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR UTILITY RELOCATIONS.</u>	CONSTRUCTION	FY 2017 - \$564,000 (CMAQ) FY 2017 - \$188,000 (L) \$752,000	
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U-3467 UNION PROJ.CATEGORY REGIONAL	NC 84, NC 16 TO SR 1008 (WAXHAW-INDIAN TRAIL ROAD) IN WESLEY CHAPEL. CONSTRUCT FOUR LANE ROADWAY, PART ON NEW LOCATION. <u>DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 TO ALLOW ADDITIONAL TIME FOR PLANNING.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2018 - \$15,250,000 (STBG) FY 2018 - \$800,000 (STBG) FY 2019 - \$32,500,000 (STBG) \$48,550,000	
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**These items are for informational purposes only and subject to future NC Board of Transportation approval.  
It is anticipated that these items will be considered for NC Board of Transportation approval in 30 days.**

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 10**

U-5114 MECKLENBURG PROJ.CATEGORY TRANSITION	HUNTERSVILLE, INTERSECTION OF US 21 AND GILEAD ROAD IN HUNTERSVILLE. CONSTRUCT INTERSECTION IMPROVEMENTS, INCLUDING BICYCLE AND PEDESTRIAN ACCOMMODATIONS.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2016 - \$3,350,000 (BA) FY 2016 - \$800,000 (BA) FY 2018 - \$3,850,000 (BA) FY 2018 - <u>\$2,400,000</u> (T)
	<u>REPLACE STP-DA AND ASSOCIATED MATCHING FUNDS WITH BONUS ALLOCATION FUNDS. ADD TRUST FUNDS TO COMPLETE WORK PROPOSED UNDER U-5771.</u>		\$10,400,000

**DIVISION 13**

I-5809 McDOWELL PROJ.CATEGORY STATEWIDE	I-40, MILEMARKER 86.4 TO MILEMARKER 92.8. PAVEMENT REHABILITATION.	CONSTRUCTION	FY 2017 - \$2,250,000 (NHPIM) FY 2018 - <u>\$2,250,000</u> (NHPIM)
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>		\$4,500,000

I-5833 McDOWELL PROJ.CATEGORY STATEWIDE	I-40, BUNCOMBE COUNTY LINE TO SR 1103 (SOUTH CATAWBA AVENUE / BAT CAVE ROAD). PAVEMENT REHABILITATION.	CONSTRUCTION	FY 2017 - \$3,000,000 (NHPIM) FY 2018 - \$3,000,000 (NHPIM)
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>		\$6,000,000

I-5892 BUNCOMBE PROJ.CATEGORY STATEWIDE	FUTURE I-26, MILEMARKER 18 TO MILEMARKER 12.5. PAVEMENT REHABILITATION.	CONSTRUCTION	FY 2017 - <u>\$6,000,000</u> (NHPIM) \$6,000,000
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>		

R-5528A MITCHELL PROJ.CATEGORY EXEMPT	NEW ROUTE, CONSTRUCT ACCESS ROAD OFF SR 1129 (HENREDON ROAD) FROM THE END OF PHASE I PROJECT.	CONSTRUCTION	FY 2017 - <u>\$170,000</u> (APD) \$170,000
	<u>DELAY CONSTRUCTION FROM FY 16 TO FY 17 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>		

**DIVISION 14**

B-5550 TRANSYLVANIA PROJ.CATEGORY DIVISION	BREVARD, REPLACE BRIDGE 870102 ON RAILROAD AVENUE OVER KINGS CREEK. .	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$120,000 (STPON) FY 2017 - \$30,000 (L) FY 2017 - \$520,000 (STPON) FY 2017 - \$130,000 (L)
	<u>DELAY RIGHT-OF-WAY FY 16 TO FROM FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN.</u>		\$800,000

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\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2016-2025 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS

**DIVISION 14**

U-5105 HENDERSON PROJ.CATEGORY TRANSITION	HENDERSONVILLE, NC 225/SR 1164 (ERKWOOD DRIVE)/SR 1779(SHEPHERD STREET) IN HENDERSONVILLE. IMPROVE INTERSECTION. <u>DELAY RIGHT-OF-WAY FY 16 TO FROM FY 17 TO ALLOW ADDITIONAL TIME FOR PLANNING.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - FY 2018 -	\$200,000 \$2,150,000	(STBG) (STBG)
				\$2,350,000	
U-5872 HENDERSON PROJ.CATEGORY EXEMPT	US 25 (HENDERSONVILLE ROAD), SR 1545 (CANE CREEK ROAD) TO SR 1006 (HOWARD GAP ROAD). CONSTRUCT ROADWAY IMPROVEMENTS. <u>DELAY RIGHT-OF-WAY FY 16 TO FROM FY 17 TO ALLOW ADDITIONAL TIME FOR DESIGN.</u>	ENGINEERING RIGHT-OF-WAY CONSTRUCTION	FY 2016 - FY 2016 - FY 2017 - FY 2017 - FY 2017 - FY 2017 -	\$154,000 \$39,000 \$20,000 \$5,000 \$1,555,000 \$389,000	(STBGDA) (L) (STBGDA) (L) (STBGDA) (L)
				\$2,162,000	

STIP DELETIONS

**DIVISION 3**

* EB-5799 BRUNSWICK PROJ.CATEGORY DIVISION	SR 1167 (PERSIMMON ROAD), BAY TRAIL DRIVE TO NC 179 (BEACH DRIVE). CONSTRUCT SIDEWALK. <u>DELETE AT THE REQUEST OF TOWN OF CALABASH.</u>	CONSTRUCTION	FY 2021 - FY 2021 -	\$146,000 \$37,000	(STBG) (L)
				\$183,000	

These items are for informational purposes only and subject to future NC Board of Transportation approval.  
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\* INDICATES FEDERAL AMENDMENT

# **NCDOT Board of Transportation Agenda**

## **ITEM C**

### **August 2016**

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

HIGHWAY LETTING  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH N.C.  
 AUGUST, 2016  
 DIVISION 00003

C203789  
 40233.3.1

STATE FUNDED  
 PENDER  
 B-4929  
 08/16/2016

PROPOSAL LENGTH 0.929 MILES  
 TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURES.  
 LOCATION BRIDGE #16 OVER INTRACOASTAL WATERWAY ON NC-50/210.

EST CONST PROGRESS.... FY-2017..30% OF BID  
 FY-2018..32% OF BID  
 FY-2019..25% OF BID  
 FY-2020..13% OF BID

RPN 001                      9 BIDDER(S)                      MBE GOAL 1.00 %                      WBE GOAL 3.00%  
ESTIMATE 58,841,643.73

DATE AVAILABLE              SEP 26 2016  
 INTER COMPLETION              MAY 15 2020 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR  
 PERMANENT VEGETATION ESTABLISHMENT  
 SEP 15 2019 COMPLETE ALL WORK REQUIRED OF PHASE III, STEP 5  
 FINAL COMPLETION              NOV 11 2020

	\$ TOTALS	% DIFF
BALFOUR BEATTY INFRASTRUCTURE INC WILMINGTON, NC	53,651,508.35	-8.8
FLATIRON CONSTRUCTORS INC MORRISVILLE, NC	53,789,292.32	-8.6
VECELLIO & GROGAN INC BECKLEY, WV	54,417,351.09	-7.5
PCL CIVIL CONSTRUCTORS INC RALEIGH, NC	60,304,634.95	+2.5
ENGLISH CONSTRUCTION CO INC LYNCHBURG, VA	60,823,231.47	+3.4
S T WOOTEN CORPORATION WILSON, NC	63,378,839.01	+7.7
JOHNSON BROS CORPORATION, A SOUTHLAND CO ROANOKE, TX	65,237,789.84	+10.9
DRAGADOS USA INC NEW YORK, NY	67,066,681.36	+14.0
MASSMAN CONSTRUCTION CO. OVERLAND PARK, KS	79,332,919.10	+34.8





HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
AUGUST, 2016  
DIVISION 00003

PAGE : 3 of 14  
ITEM C

C203868  
52038.3.1

NHPP-0040(017)  
NEW HANOVER  
I-5760  
08/16/2016

PROPOSAL LENGTH 7.442 MILES  
TYPE OF WORK MILLING, RESURF, SHDR RECON, SIGNALS, BRG APPR & JT REPAIR.  
LOCATION I-140 FROM US-421 TO 0.640 MILES EAST OF I-40.

EST CONST PROGRESS.... FY-2017..91% OF BID  
FY-2018..09% OF BID

RPN 003 2 BIDDER(S) DBE GOAL 9.00 %  
ESTIMATE 4,235,880.38

DATE AVAILABLE SEP 26 2016  
FINAL COMPLETION AUG 25 2017

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	4,113,662.08	-2.9
S T WOOTEN CORPORATION WILSON, NC	4,146,089.30	-2.1

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
AUGUST, 2016  
DIVISION 00003

PAGE : 4 of 14  
ITEM C

C203888  
2017CPT.03.01.10651, 36249.3622, 45333.3.27

STATE FUNDED, HSIP-0117(029)  
NEW HANOVER  
W-5203AA, W-5601BB  
08/16/2016

PROPOSAL LENGTH 2.21 MILES  
TYPE OF WORK GRADING, DRAINAGE, MILLING, PAVING & SIGNALS.  
LOCATION US-117/NC-132 (SOUTH COLLEGE RD) FROM .05 MILES SOUTH OF WILSHIRE BLVD TO US-17 BUSINESS  
(MARKET ST) IN WILMINGTON.  
EST CONST PROGRESS.... FY-2017..93% OF BID  
FY-2018..07% OF BID

RPN 004 4 BIDDER(S) DBE GOAL 9.00 %  
ESTIMATE 3,805,230.02

DATE AVAILABLE SEP 26 2016  
INTER COMPLETION AUG 18 2017 COMPLETE ALL WORK EXCEPT FOR PLANTING, REFORESTATION, OR  
PERMANENT VEGETATION ESTABLISHMENT  
FINAL COMPLETION FEB 14 2018

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	3,808,362.93	+0.1
SEALAND CONTRACTORS CORP CHARLOTTE, NC	4,108,784.76	+8.0
HIGHLAND PAVING COMPANY LLC FAYETTEVILLE, NC	4,435,811.15	+16.6
S T WOOTEN CORPORATION WILSON, NC	4,876,465.71	+28.2

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

PAGE : 5 of 14  
ITEM C  
\*RELET FROM 6/21/2016

\* C203914  
53029.3.1

NHPIM-0085(3)117  
GUILFORD, RANDOLPH  
I-5738, I-5789, I-5821  
08/16/2016

PROPOSAL LENGTH 7.4 MILES  
TYPE OF WORK PAVEMENT AND BRIDGE REHABILITATION.  
LOCATION I-85 FROM I-85 BUSINESS TO MAIN STREET IN ARCHDALE.

EST CONST PROGRESS.... FY-2017..49% OF BID  
FY-2018..43% OF BID  
FY-2019..08% OF BID

RPN 005 2 BIDDER(S) DBE GOAL 3.00 %  
ESTIMATE 17,449,433.72

DATE AVAILABLE SEP 26 2016  
FINAL COMPLETION NOV 01 2018

	\$ TOTALS	% DIFF
TRIANGLE GRADING & PAVING INC BURLINGTON, NC	14,981,507.83	-14.1
ZACHRY CONSTRUCTION CORPORATION SAN ANTONIO, TX	18,195,000.00	+4.3

JUNE 21, 2016 LETTING

53029.3.1  
NHPIM-0085(3)117  
GUILFORD, RANDOLPH  
I-5738, I-5789, I-5821  
RPN 009

PAVEMENT AND BRIDGE REHABILITATION.

DATE AVAILABLE      AUG 01 2016  
FINAL COMPLETION    OCT 01 2018

ENGINEER'S ESTIMATE

\$15,088,304.67

	\$ TOTALS	% DIFF
ZACHRY CONSTRUCTION CORPORATION SAN ANTONIO, TX	18,651,885.24	+23.6
THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT	22,417,748.54	+48.6
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	26,182,887.17	+73.5

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AU 16, 2016 LETTING

53029.3.1  
NHPIM-0085(3)117  
GUILFORD, RANDOLPH  
I-5738, I-5789, I-5821  
RPN 005

PAVEMENT AND BRIDGE REHABILITATION.

DATE AVAILABLE      SEP 26 2016  
FINAL COMPLETION    NOV 01 2018

ENGINEER'S ESTIMATE

\$17,449,433.72

	\$ TOTALS	% DIFF
TRIANGLE GRADING & PAVING INC BURLINGTON, NC	14,981,507.83	-14.1
ZACHRY CONSTRUCTION CORPORATION SAN ANTONIO, TX	18,195,000.00	+4.3

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

C203862  
 34872.3.4

NHP-0421(087)  
 FORSYTH  
 U-2827B, C-5620A  
 08/30/2016

PROPOSAL LENGTH 1.2 MILES  
 TYPE OF WORK DESIGN BUILD.  
 LOCATION US-421/I-40 BUS FROM W OF FOURTH ST TO E OF CHURCH ST AND MULTI-USE PATH FROM FOURTH ST TO LIBERTY ST.

EST CONST PROGRESS.... FY-2017..11% OF BID  
 FY-2018..22% OF BID  
 FY-2019..27% OF BID  
 FY-2020..21% OF BID  
 FY-2021..15% OF BID  
 FY-2022..04% OF BID

RPN 001                      4 BIDDER(S)              DBE GOAL    12.00%  
ESTIMATE 106,693,600.00

DATE AVAILABLE        SEP 26 2016  
 FINAL COMPLETION    NOV 15 2021

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 CONSTRUCTORS, INC.	88.50	18.50	99,190,380.00	-7.03	18,350,220.30	80,840,159.70	-24.23
* THE LANE CONSTRUCTION	95.00	25.00	125,037,269.00	+17.19	31,259,317.25	93,777,951.75	-12.11
* BOND EXECUTED IMPROPERLY							
* INCORRECT DATE ON BID BOND/POA							
BLYTHE CONSTRUCTION, INC.	81.50	11.50	119,975,000.00	+12.45	13,797,125.00	106,177,875.00	-0.48
* PCL CIVIL CONSTRUCTORS INC	82.00	12.00	142,210,655.00	+33.29	17,065,278.60	125,145,376.40	+17.29
* BID EXECUTED IMPROPERLY							
* BOND EXECUTED IMPROPERLY							
* APPROPRIATE TITLE NOT SELECTED & INCORRECT DATE ON BID BOND/POA							

\* DENOTES IRREGULAR BID

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
AUGUST, 2016

PAGE : 7 of 14  
ITEM C

PROPOSAL	PROPOSED COMPLETION DATE
FLATIRON CONSTRUCTORS, INC. BLYTHE DEVEI	NOV 01 2020
THE LANE CONSTRUCTION CORPORATION	DEC 10 2020
BLYTHE CONSTRUCTION, INC.	SEP 20 2021
PCL CIVIL CONSTRUCTORS INC	NOV 15 2021

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HIGHWAY LETTING  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH N.C.  
 AUGUST, 2016  
 DIVISION 00011

C203821  
 34605.3.2

STATE FUNDED  
 ALLEGHANY  
 R-4060  
 08/16/2016

PROPOSAL LENGTH 0.65 MILES  
 TYPE OF WORK GRADING, DRAINAGE, PAVING, RETAINING WALLS, AND STRUCTURES.  
 LOCATION US-21 (SPARTA WESTERN LOOP) FROM SR-1172 (GRANDVIEW DRIVE) TO US-21.

EST CONST PROGRESS.... FY-2017..52% OF BID  
 FY-2018..42% OF BID  
 FY-2019..06% OF BID

RPN 006                      6 BIDDER(S)                      MBE GOAL 3.00 %                      WBE GOAL 5.00%  
 ESTIMATE 5,784,976.38

DATE AVAILABLE                      SEP 26 2016  
 INTER COMPLETION                      OCT 01 2018 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR  
 PERMANENT VEGETATION ESTABLISHMENT  
 MAR 01 2017 COMPLETE WORK REQUIRED OF CONSTRUCTING NEW FUEL STATION  
 PAD & SITE, DRIVE D FROM STA. 9+99 TO 13+00  
 MAR 01 2017 COMPLETE ALL WORK REQUIRED FOR CONSTRUCTING SUBGRADE &  
 BASE STONE FROM -L- STA.17+63 TO 20+00 OF GRANDVIEW DR.  
 MAR 01 2017 COMPLETE WORK REQUIRED OF GRADING THE NEW SALT BLDG. PAD &  
 SITE WORK  
 MAY 01 2017 COMPLETE WORK REQUIRED FOR PAVING THE FUEL STATION SITE AND  
 OTHER LOCATIONS  
 AUG 01 2017 COMPLETE ALL WORK REQUIRED PAVING DRIVE D, D1, D2, NEW SALT  
 BLDG. LOADING AREA & DRIVEWAY CONNECTIONS  
 FINAL COMPLETION                      MAR 29 2019

	\$ TOTALS	% DIFF
TRIANGLE GRADING & PAVING INC BURLINGTON, NC	5,919,706.98	+2.3
JAMES R VANNOY & SONS CONSTRUCTION COMPANY INC JEFFERSON, NC	6,083,298.82	+5.2
SOWERS CONSTRUCTION CO INC MOUNT AIRY, NC	6,306,651.42	+9.0
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	6,381,923.51	+10.3
BRANCH HIGHWAYS, INC. ROANOKE, VA	6,484,542.55	+12.1
W. C. ENGLISH, INCORPORATED LYNCHBURG, VA	7,151,407.19	+23.6

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

PAGE : 9 of 14  
ITEM C  
\*RELET FROM 6/21/20116

\* C203913  
42303.3.FD1

BRZ-1302(41)  
IREDELL  
B-5142  
08/16/2016

PROPOSAL LENGTH 0.4429 MILES  
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.  
LOCATION BRIDGE #57 OVER CORNELIUS CREEK AND APPROACHES ON SR-1302.

EST CONST PROGRESS.... FY-2017..60% OF BID  
FY-2018..40% OF BID

RPN 007                      3 BIDDER(S)              DBE GOAL    11.00 %  
ESTIMATE 4,234,713.93

DATE AVAILABLE              SEP 26 2016

INTER COMPLETION              MAY 15 2018 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR  
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION              NOV 11 2018

	\$ TOTALS	% DIFF
TRIANGLE GRADING & PAVING INC BURLINGTON, NC	4,764,250.17	+12.5
BLYTHE DEVELOPMENT CO. CHARLOTTE, NC	4,788,722.50	+13.1
DANE CONSTRUCTION, INC. MOORESVILLE, NC	5,016,286.94	+18.5



JUNE 21, 2016 LETTING

42303.3.FD1  
BRZ-1302(41)  
IREDELL  
B-5142  
RPN 020

GRADING, DRAINAGE, PAVING AND STRUCTURE.

DATE AVAILABLE      AUG 01 2016  
FINAL COMPLETION    APR 30 2018

ENGINEER'S ESTIMATE

\$3,810,706.93

	\$ TOTALS	% DIFF
BLYTHE DEVELOPMENT CO. CHARLOTTE, NC	5,023,058.45	+31.8
LEE CONSTRUCTION COMPANY OF THE CAROLINAS, INC. PINEVILLE, NC	5,102,658.63	+33.9
HRI INC DBA HRI BRIDGE COMPANY STATE COLLEGE, PA	5,586,886.74	+46.6
DANE CONSTRUCTION, INC. MOORESVILLE, NC	6,637,536.24	+74.2

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AUG 16, 2016 LETTING

42303.3.FD1  
BRZ-1302(41)  
IREDELL  
B-5142  
RPN 007

GRADING, DRAINAGE, PAVING AND STRUCTURE.

DATE AVAILABLE      SEP 26 2016  
FINAL COMPLETION    NOV 11 2018

ENGINEER'S ESTIMATE

\$4,234,713.93

	\$ TOTALS	% DIFF
TRIANGLE GRADING & PAVING INC	4,764,250.17	+12.5
BLYTHE DEVELOPMENT CO. CHARLOTTE, NC	4,788,722.50	+13.1
DANE CONSTRUCTION, INC. MOORESVILLE, NC	5,016,286.94	+18.5

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

PAGE : 10 of 14  
ITEM C

C203912  
2017CPT.13.02.10121, 2017CPT.13.02.20121, 2017CPT.13.02.20122, 51209.1B

STATE FUNDED  
BURKE

08/16/2016

PROPOSAL LENGTH 78.75 MILES  
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.  
LOCATION 1 SECTION EACH OF US-64 & I-40, 2 SECTIONS OF US-70, AND 51 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2017..84% OF BID  
FY-2018..16% OF BID

RPN 008 2 BIDDER(S) MBE GOAL 2.00 % WBE GOAL 4.00%  
ESTIMATE 5,731,011.41

DATE AVAILABLE SEP 26 2016  
INTER COMPLETION JUL 31 2017 COMPLETE ALL WORK REQUIRED ON MAPS #19 & #20.  
NOV 15 2016 COMPLETE ALL WORK REQUIRED ON MAP #59.  
FINAL COMPLETION OCT 15 2017

	\$ TOTALS	% DIFF
MAYMEAD, INC. MOUNTAIN CITY, TN	5,833,680.19	+1.8
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	6,373,597.86	+11.2

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

PAGE : 11 of 14  
ITEM C

C203900  
2017CPT.13.07.11001, 2017CPT.13.07.21001, 2017CPT.13.07.21002

STATE FUNDED  
YANCEY

08/16/2016

PROPOSAL LENGTH 32.5 MILES  
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.  
LOCATION 1 SECTION EACH OF US-19 & NC-197 AND 15 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2017..64% OF BID  
FY-2018..36% OF BID

RPN 009 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 4.00%  
ESTIMATE 2,385,119.96

DATE AVAILABLE MAR 15 2017  
FINAL COMPLETION OCT 15 2017

	\$ TOTALS	% DIFF
MAYMEAD, INC. MOUNTAIN CITY, TN	2,341,224.59	-1.8
ROGERS GROUP INC NASHVILLE, TN	2,448,626.97	+2.7

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

PAGE : 12 of 14  
ITEM C

C203911

2017CPT.14.01.10441.1, 2017CPT.14.01.10501.1, 2017CPT.14.01.10871.1, 2017CPT.14.01.20441.1, 2017CPT.14.01.20501.1

STATE FUNDED  
HAYWOOD, JACKSON, SWAIN

08/16/2016

PROPOSAL LENGTH 25.59 MILES  
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.  
LOCATION 1 SECTION OF NC-215, 2 SECTIONS OF US-441, AND 16 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2017..81% OF BID  
FY-2018..19% OF BID

RPN 010 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 2.00%  
ESTIMATE 9,895,433.16

DATE AVAILABLE OCT 03 2016

FINAL COMPLETION OCT 31 2017

	\$ TOTALS	% DIFF
HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC KNK	10,302,179.50	+4.1
WNC PAVING , INC. WAYNESVILLE, NC	10,707,582.60	+8.2

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

PAGE : 13 of 14  
ITEM C

C203909

2017CPT.14.02.10451.1, 2017CPT.14.02.10751.1, 2017CPT.14.02.20451.1, 2017CPT.14.02.20751.1, 2017CPT.14.02.20881.1

STATE FUNDED  
HENDERSON, POLK, TRANSYLVANIA

08/16/2016

PROPOSAL LENGTH 64.11 MILES  
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.  
LOCATION 1 SECTION OF US-64, 2 SECTIONS OF NC-108, AND 48 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2017..81% OF BID  
FY-2018..19% OF BID

RPN 011 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%  
ESTIMATE 6,866,681.47

DATE AVAILABLE SEP 26 2016  
INTER COMPLETION AUG 20 2017 COMPLETE ALL WORK REQUIRED FOR MAP #41  
AUG 20 2017 COMPLETE ALL WORK REQUIRED FOR MAP #42  
FINAL COMPLETION OCT 31 2017

	\$ TOTALS	% DIFF
ROGERS GROUP INC NASHVILLE, TN	7,366,487.29	+7.3
HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC KNC	8,776,325.55	+27.8

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

PAGE : 14 of 14  
ITEM C

C203910

2017CPT.14.03.10221.1, 2017CPT.14.03.10501.1, 2017CPT.14.03.10871.1, 2017CPT.14.03.10871.2, 2017CPT.14.03.20201.1,  
2017CPT.14.03.20221.1, 2017CPT.14.03.20381.1, 2017CPT.14.03.20561.1

STATE FUNDED

CLAY, JACKSON, SWAIN, CHEROKEE, GRAHAM, MACON

08/16/2016

PROPOSAL LENGTH 57.209 MILES

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

LOCATION 1 SECTION EACH OF US-64 AND NC-28, 2 SECTIONS OF US-19, AND 22 SECTIONS OF SECONDARY  
ROADS.

EST CONST PROGRESS.... FY-2017..81% OF BID  
FY-2018..19% OF BID

RPN 012 1 BIDDER(S) MBE GOAL 2.00 % WBE GOAL 4.00%  
ESTIMATE 11,283,677.85

DATE AVAILABLE SEP 26 2016

INTER COMPLETION AUG 15 2017 COMPLETE ALL WORK REQUIRED FOR MAP #18.

FINAL COMPLETION OCT 31 2017

	\$ TOTALS	% DIFF
HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC KNC	11,473,970.47	+1.7

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ESTIMATE TOTAL	238,304,311.56	
LETTING TOTAL	224,608,563.87	-5.74

**NCDOT September 2016  
Board of Transportation Agenda**

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

**Professional Services Management**

**Technical Services**

**Project Development and Environmental Analysis**

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

**DIVISION 3**

Description of Work:	2014 Statewide Bridge Group 'G' LSC
Firm:	Dewberry Engineers, Inc., Raleigh, NC
Original Engineering Fee:	\$1,050,000.00
Supplemental Fee:	\$ 400,000.00
SPSF Utilization:	EEE Consulting, Inc. \$80,000.00 20%
DBE/WBE/SPSF Utilization:	Planning Communities, LLC \$60,000.00 15%
SPSF Utilization:	Ramey Kemp & Associates, Inc. \$20,000.00 5%

**DIVISION 13**

Project:	34165.1.2 (I-2513) Buncombe County Asheville – I-240 and New Route from I-26 to US 19-23-70
Description of Work:	Updating technical studies and preliminary design, and preparing a Final Environmental Impact Statement and Record of Decision
Firm:	AECOM Technical Services of North Carolina, Inc., Raleigh, NC
Original Engineering Fee:	\$1,150,000.00
Supplemental Fee:	\$1,000,000.00
SPSF Utilization:	0%

**STATEWIDE**

Description of Work:	2015 Planning and Design LSC
Firm:	TGS Engineers, Shelby, NC
Original Engineering Fee:	\$1,500,000.00
Supplemental Fee:	\$1,000,000.00
SPSF Utilization:	100%

## Hydraulics

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 Hydraulic Design on an as needed basis for various federal-aid and state funded projects to support the Hydraulics Unit. These contracts will expire 1 year after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

### STATEWIDE

Description of Work:	2016 Hydraulic Design LSC
Firm:	Moffatt & Nichol, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,250,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	AMEC Foster Wheeler Environment & Infrastructure, Inc., Durham, NC
Maximum Engineering Fee:	\$2,400,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	ESP Associates, PA, Charlotte, NC
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	HNTB of North Carolina, PC, Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Atkins North America, Inc., Raleigh, NC
Maximum Engineering Fee:	\$2,400,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Limnotech, Ann Arbor, Michigan
Maximum Engineering Fee:	\$750,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	HDR Engineering, Inc. of the Carolinas, Raleigh, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Sungate Design Group, PA, Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%

September 8, 2016



Description of Work:	2016 Hydraulic Design LSC
Firm:	ICA Engineering, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Tetra Tech Engineering, PC, Research Triangle Park, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Dewberry Engineers, Inc., Raleigh, NC
Maximum Engineering Fee:	\$900,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	MI Engineering, PLLC, Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
DBE/SPSF Utilization:	100%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Ecological Engineering, LLP, Cary, NC
Maximum Engineering Fee:	\$500,000.00
DBE/WBE/SPSF Utilization:	100%
Description of Work:	2016 Hydraulic Design LSC
Firm:	AECOM Technical Services of North Carolina, Inc., Raleigh, NC
Maximum Engineering Fee:	\$1,250,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Kimley-Horn & Associates, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Wetherill Engineering, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
DBE/WBE/SPSF Utilization:	100%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Rummel, Klepper, & Kahl, LLP, Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Intera NC, PLLC, Austin, Texas
Maximum Engineering Fee:	\$250,000.00
SPSF Utilization:	0%

Description of Work:	2016 Hydraulic Design LSC
Firm:	TGS Engineers, Shelby, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Stantec Consulting Services, Inc., Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Alpha & Omega Group, PC, Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Draper Aden Associates, Coats, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	WSP/Parsons Brinckerhoff, Charlotte, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	Summit Design and Engineering Services, PLLC, Hillsborough, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%
Description of Work:	2016 Hydraulic Design LSC
Firm:	WithersRavenel, Inc., Cary, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2016 Hydraulic Design LSC
Firm:	ICE of Carolinas, PLLC, Raleigh, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%
Description of Work:	2016 Hydraulic Design LSC
Firm:	MA Engineering Consultants, Inc., Cary, NC
Maximum Engineering Fee:	\$500,000.00
DBE/MBE/SPSF Utilization:	100%

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

Description of Work: 2016 Hydraulic Design LSC  
Firm: STV Engineers, Inc., Charlotte, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2016 Hydraulic Design LSC  
Firm: W. K. Dickson & Co., Inc., Charlotte, NC  
Maximum Engineering Fee: \$250,000.00  
SPSF Utilization: 0%

Description of Work: 2016 Hydraulic Design LSC  
Firm: Mead & Hunt, Inc., Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2016 Hydraulic Design LSC  
Firm: Calyx Engineers and Consultants, Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2016 Hydraulic Design LSC  
Firm: Vaughn & Melton Consulting Engineers, Asheville, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2016 Hydraulic Design LSC  
Firm: The Louis Berger Group, Inc., Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

## Photogrammetry

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Photogrammetric Mapping Services on an as needed basis for various federal-aid and state funded projects to support the Photogrammetry Unit. These contracts will expire January 7, 2018 or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

### STATEWIDE

Description of Work:	2016 Photogrammetric Mapping Services LSC
Firm:	Avioimage Mapping Services, Inc., Charlotte, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%

Description of Work:	2016 Photogrammetric Mapping Services LSC
Firm:	Independent Mapping Consultants, Inc., Charlotte, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	100%

Description of Work:	2016 Photogrammetric Mapping Services LSC
Firm:	ESP Associates, PA, Charlotte, NC
Maximum Engineering Fee:	\$300,000.00
SPSF Utilization:	0%

## 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 Let 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 5

Project:	42838.1.1 (B-5237) Wake County Replace Bridge 248 over Mahler's Creek on SR 2703
Scope of Work:	Prepare Right of Way and Let Plans
Estimated Construction Cost:	\$2,000,000.00
Firm:	Mead & Hunt, Inc., Raleigh, NC
Maximum Engineering Fee:	\$150,000.00
SPSF Utilization:	0%

## Field Support

### Structures Management

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

#### STATEWIDE

Description of Work:	2015 Structures Management Support LSC
Firm:	Mott MacDonald I&E, LLC, Fuquay-Varina, NC
Original Engineering Fee:	\$ 500,000.00
Supplemental Fee:	\$1,000,000.00
SPSF Utilization:	0%

## Transit

### Ferry

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 Naval Architecture and Related Engineering Services on an as needed basis for various federal-aid and state funded projects to support the Ferry Division. These contracts will expire two (2) years (with up to three (3) 1-year extensions) after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

#### STATEWIDE

Description of Work:	2016 LSC for Naval Architecture and Related Engineering Services
Firm:	AECOM Technical Services of North Carolina, Inc., Raleigh, NC
Maximum Engineering Fee:	\$4,000,000.00
SPSF Utilization:	Cheatham and Associates, PA \$400,000.00 10%

Description of Work:	2016 LSC for Naval Architecture and Related Engineering Services
Firm:	DeJong & Lebet, Inc., Jacksonville, Florida
Maximum Engineering Fee:	\$6,000,000.00
SPSF Utilization:	100%

Description of Work:	2016 LSC for Naval Architecture and Related Engineering Services
Firm:	Elliott Bay Design Group, Seattle, Washington
Maximum Engineering Fee:	\$6,000,000.00
SPSF Utilization :	0%

**Rail**

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

**DIVISION 10**

Project:	41141.1.1 (U-5008) Mecklenburg County Charlotte Railroad Improvement Safety Project (CRISP) Grade Separation on SR 2975 (E. Sugar Creek Road) over NS/NCRR Crossing No. 715 352H
Scope of Work:	Roadway, Structure, Hydraulic Designs; Erosion Control, Utility Coordination/Design; Geotechnical, Traffic Management and Signing
Estimated Construction Cost:	\$16,700,000.00
Firm:	Sepi Engineering and Construction, Inc., Raleigh, NC
Original Engineering Fee:	\$713,185.19
Supplemental Fee:	\$ 55,667.32
Supplemental Work:	Utility and Roadway Coordination
SPSF Utilization:	0%

**Planning & Programming**

**Transportation Planning**

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**

Project:	44534.1.1 (M-0500) Statewide Freight Plan Development of The North Carolina Statewide Multi-Modal Freight Plan
Scope of Work:	
Firm:	Cambridge Systematics, Inc. Cambridge, Massachusetts
Original Engineering Fee:	\$1,907,507.50
Supplemental Fee:	\$ 395,569.04
Supplemental Work:	Additional work for the Truck Parking Study
SPSF Utilization:	0%

**NCDOT September 2016 Board of Transportation Agenda**

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

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

County	SR No./ Road Name	Description	Amount
Dare Div. 1	Various	Various Pipe Replacements. Increase Funds. WBS 1C.028034	\$20,000.00
Union Div. 10	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 10C.090029	\$858,906.41
Rutherford Div. 13	Fleece Lane	Upgrade to Acceptable Maintenance. WBS 13C.081116	\$25,000.00

**Closings**

County	SR No./ Road Name	Description	Amount
Martin Div. 1	SR 1325 Old Cotton Road	GDB&P. Increase and Close. WBS 1C.058033	\$2,781.76

**Deletions**

County	SR No.	Reason	Amount
Union Div. 10	SR 1336 Chambwood Road	Reclaim and Pave. Funded By Another Source. WBS 10C.090136	-\$365,000.00
Union Div. 10	SR 1620 Baucom Road	Reclaim and Pave. Funded By Another Source. WBS 10C.090138	-\$242,640.45
Union Div. 10	SR 1514 Rocky River Road	Paved Road Improvements. Funded By Another Source. WBS 10C.090139	-\$132,000.00
Buncombe Div. 13	SR 3441 Moore's Creek Road	GDB&P. Unavailable Right of Way. WBS 13C.011214	-\$174,815.38
Henderson Div. 14	SR 1194 Patterson Road	GDB&P. Unavailable Right of Way. WBS 14C.045160	-\$6,781.14
Swain Div. 14	SR 1363 Hyatt Road	GDB&P. Unavailable Right of Way. WBS 14C.087073	-\$10,726.24

**North Carolina Department of Transportation  
Fiscal Year 2017 Secondary Roads Statewide Paving Program**

Session Law 2013-183, Section 2.6(d) provides \$12M recurring funds for the paving of unpaved secondary roads. Section 2.5 requires the Department to develop a statewide paving priority list for the paving of unpaved secondary roads. Session Law 2016-94, Section 35.7(a) requires the Department to expend fifty percent (50%) of the funds allocated to the paving of unpaved secondary roads for the paving of unpaved secondary roads based on a statewide prioritization. Section I is a listing of the first \$6,000,000.

**SECTION I (a):** The following roads were initially funded previous FY Allocations and require additional program funds for completion of Preliminary Engineering and Construction activity:

<b>FY Funding</b>	<b>Division</b>	<b>County</b>	<b>Length (Miles)</b>	<b>SR #</b>	<b>Road Name</b>	<b>Amount</b>
2017 Const	3	Brunswick	0.40	1131	Foot Cumbee Road	\$335,000.00
2017 Const Increase	3	Onslow	0.07	1478	Humphrey Road Ext.	\$10,000.00
2017 Const Increase	5	Wake	0.82	1400	Ballentyne Dairy Road	\$76,000.00
2017 Const Increase	6	Bladen	1.80	1310	Pone Loop Road	\$900,000.00
2017 Const Increase	8	Chatham	0.34	1914	Crosspoint Road	\$60,000.00
2017 Const Increase	11	Caldwell	0.80	1428-B	Setzer's Gap Road	\$800,000.00
2017-PE Increase	11	Watauga	1.20	1137	Justus Road	\$10,000.00
2017-PE Increase	11	Watauga	1.22	1526-C	Sampson Road	\$25,000.00
2017 Const Increase	11	Watauga	2.05	1353	Hardin Road (Partial Fund)	\$1,650,000.00
2017 Const Increase	12	Iredell	0.51	1527	Linden Loop	\$50,000.00
2017 Const Increase	14	Haywood	1.70	1338-A	White Oak Road	\$10,000.00
2017 Const Increase	14	Jackson	0.39	1584	Timbuktu Road	\$12,500.00
2017 Const Increase	14	Jackson	0.93	1750	Luker Branch Road (Woods Branch)	\$100,000.00
						<b>\$4,038,500.00</b>



**SECTION I (b):** The following roads have not been previously funded. Right of way is now available for paving or property owners have expressed a desire to donate right of way for paving:

FY Funding	Division	County	Length (Miles)	SR #	Road Name	Amount
2017 Const	1	Perquimans	0.09	1468	Sassafras Drive	\$125,000.00
2017 Const	4	Nash	0.09	1339	Briwig Road	\$30,000.00
2017 Const	7	Guilford	0.15	1190	Bradfelt Street	\$80,000.00
2017 Const	14	Cherokee	0.37	1529	Goldie Garret Road	\$346,219.00
2017 Const	14	Cherokee	0.15	1400	Griggs Road	\$120,986.00
2017 Const	14	Clay	0.10	1145	Coker Road	\$195,000.00
2017 Const	14	Graham	0.60	1125	Buchanan Branch Road	\$631,209.00
2017 Const	14	Henderson	0.18	1690	Broadpoint Drive	\$300,000.00

**\$1,828,414.00**

Total Roads Programmed **\$5,872,500.00**  
 Funding for PE, O/D's And Contingencies **\$133,086.00**  
**FY 2017 Appropriation for Section I \$6,000,000.00**

Session Law 2016-94, Section 35.7(a) also requires the Department to expend the remainder of the funds equally among the 14 Highway Divisions for the paving of unpaved secondary roads within each Highway Division based on the same statewide prioritization.

**SECTION II:** The following roads are listed as a part of the second \$6,000,000 divided equally among the 14 Highway Divisions and are ready for programming.

FY Funding	Division	County	Length (Miles)	SR #	Road Name	Amount
2017 Const	2	Carteret	0.50	1168	Russel Creek Road (Partial Fund)	\$428,571.00
2017 Const	3	Brunswick	0.70	1153	Watts Road (Partial Fund)	\$428,571.00
2017-PE	13	Mitchell	3.45	1320	Sam's Branch Road	\$203,000.00
2017-PE	13	Mitchell	0.21	1310	Union Hill Church Road	\$10,000.00
2017-PE	13	Mitchell	0.39	1322	Peterson Road	\$15,000.00
2017 Const	13	Buncombe	0.15	1519	Southview MHP Drive	\$200,571.00

**\$1,285,713.00**

Sub-total for Section II **\$1,285,713.00**  
 Amount to be programmed on Future Item E Agendas **\$4,714,287.00**  
**FY 2017 Appropriation for Section II \$6,000,000.00**

**September 2016 Item E Summary:**

<b>14</b>	<b>Projects to Increase Funds</b>	<b>Amount:</b>	<b>\$4,582,406.41</b>
<b>16</b>	<b>Projects to Establish Funds</b>	<b>Amount:</b>	<b>\$3,474,127.00</b>
<b>1</b>	<b>Projects to Increase and Close</b>	<b>Amount:</b>	<b>\$2,781.76</b>
<b>6</b>	<b>Projects to Delete</b>	<b>Amount:</b>	<b>(\$931,963.21)</b>

## NCDOT September 2016 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 1</b>				
Dare	51156	0.12	<b>GH Balance Subdivision</b> Empire Gem Lane	8/3/16
Pasquotank	51157	0.07 0.06 0.06 0.23 0.11 0.09 0.41 0.11 0.13 0.07 0.23 0.53 0.14 0.55	<b>Queenswood Subdivision</b> Camelot Court Tiara Court Royalty Way Princess Anne Circle, SR 1259 Ext. Majesty Court Maidens Court Kingswood Blvd, SR 1272 Ext. King Arthur Court Jester Court Cardinal Court Esquire Lane Queenswood Blvd, SR 1273 Ext. Enchanted Way Duchess Lane, SR 1276 Ext.	6/27/16
Pasquotank	51158	0.27	<b>Oak Ridge Subdivision</b> Linwood Drive, SR 1465 Ext.	7/21/16
<b>Division 2</b>				
Craven	51159	0.23	<b>Oak Creek Estates at Carolina Pines Subdivision</b> Wadkins Blvd, SR 1923 Ext.	5/7/15
Craven	51160	0.08 0.17	<b>Heritage Farms Subdivision</b> Harvest Blvd Grist Mill Drive	5/12/16
<b>Division 3</b>				
Onslow	51161	0.21 0.20 0.29 0.19	<b>River Bluff Subdivision</b> South Bluff Circle South Brandon Way Cypress Manor Court East Howard Drive	6/28/16
Onslow	51162	0.20	<b>Oakwood Subdivision</b> Oakwood Drive, SR 1776 Ext.	6/2/16
<b>Division 4</b>				
Johnston	51163	0.08 0.52 0.10	<b>Kyndal Subdivision</b> Kyndallee Lane Colson Drive Kason Drive	6/16/16

September 8, 2016

## NCDOT September 2016 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 4</b>				
Johnston	51164		<b>Adams Point Subdivision</b>	5/16/16
		0.24	Fawn Hill Court	
		0.17	Morning Mist Drive	
		1.38	Fieldtrial Circle	
		0.35	Club Hill Drive	
		0.36	Suntree Lane	
		0.41	Meadowmist Drive	
		0.87	Adams Point Drive	
		0.32	Sporting Club Drive	
		0.13	Airedale Trail	
Nash	51165		<b>West Hampton Subdivision</b>	7/11/16
		0.59	West Hampton Drive	
		0.31	Cambridge Drive	
<b>Division 5</b>				
Durham	51166		<b>Laurel Glenn Subdivision</b>	6/9/16
		0.36	Bungalow Avenue, SR 2036 Ext.	
		0.03	Azzi Court	
		0.08	Artis Lane	
		0.03	Featherglenn Court	
Granville	51167		<b>Applewood Subdivision</b>	6/28/16
		0.15	Fireside Lane	
		0.03	Empire Court	
		0.02	Harvest Court	
Wake	51168		<b>Arranglen Subdivision</b>	6/22/16
		0.19	Marwick Court	
<b>Division 6</b>				
Harnett	51169		<b>Bennett Place Subdivision</b>	7/7/16
		0.29	Natures Way	
		0.08	Beaver Creek Drive	
<b>Division 7</b>				
Guilford	51170		<b>Olde Forest Subdivision</b>	6/28/16
		0.09	Olde Province Court	
Guilford	51171		<b>Fairgrove Forest Subdivision</b>	6/28/16
		0.17	Bowling Green Drive	
		0.31	Teralda Place	

## NCDOT September 2016 Board of Transportation Agenda

### Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 7</b>				
Orange	51172		<b>Phoenix Place Subdivision</b>	3/18/16
		0.17	Phoenix Drive	
		0.16	Lizzie Lane	
		0.13	Edgar Street	
		0.04	Gracie Circle	
<b>Division 8</b>				
Chatham	51173		<b>Valley View Subdivision</b>	7/21/16
		0.08	Phoebe Lane	
Chatham	51174		<b>Horizon Subdivision</b>	6/29/16
		0.89	Horizon Drive	
		0.15	Coley Court	
<b>Division 10</b>				
Cabarrus	51175	0.58	Caldwell Park Drive	2/26/16
Mecklenburg	51176	0.70	Caldwell Park Drive	1/25/16
Union	51177		<b>Lake Forest Subdivision</b>	5/26/16
		0.27	Lake Forest Drive, SR 3675 Ext.	
		0.05	Timber Top Court	
		0.08	Pine Needle Court	
		0.34	Twin Lakes Drive, SR 3873 Ext.	
<b>Division 12</b>				
Iredell	51178		<b>Davidson Downs Subdivision</b>	3/10/16
		0.09	Buckingham Road	
<b>Deletions:</b>				
County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 2</b>				
Lenoir	51179	0.59	Portion of SR 2029 Daly Waldrop Road	6/6/16
<b>Division 4</b>				
Wilson	51180	0.31	SR 1220 Cisterna Road	6/22/16
<b>Division 5</b>				
Durham	51181	0.07	SR 2078 Maughan Drive	6/20/16

September 8, 2016

## NCDOT September 2016 Board of Transportation Agenda

### Deletions:

County	Pet. No.	Length (Miles)	Description	Date of Report
<b>Division 5</b>				
Durham	51182	0.07	SR 2463 Rose Petal Drive	6/23/16
<b>Division 7</b>				
Rockingham	51183	0.13	Portion of SR 1930 Preston Road	2/29/16
Rockingham	51184	0.02	Portion of SR 2428 Beville Road	6/9/16
<b>Division 9</b>				
Forsyth	51185	0.02	Portion of SR 4600 Water Mill Court	7/18/16
<b>Division 14</b>				
Henderson	51186	0.18	Portion of SR 1530 Cloverdale Drive	7/21/16

**Corrections:** Wilkes County – Petition Number 51150, Plaza Drive was added for 0.50 miles. The correct mileage should be 0.05 miles.

**Summary:**     **Number of Roads Petitioned for Addition – 65**  
                   **Number of Roads Petitioned for Abandonment – 8**

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

**According to Executive Order No. 2 and G.S. 143B-350(g), the Board is requested to concur with staff recommendation and delegate authority to the Secretary to approve funds for specific Division-wide Small Construction / Statewide Contingency projects.**

<b>County</b>	<b>Description</b>	<b>Type</b>	<b>Amount</b>
Div 1 Dare	Hatteras – Upgrade Empire Gem Rd to minimum state standards  WBS 44928	Contingency  <u>TOTAL</u>	\$20,000.00  <u>\$20,000.00</u>
Div 1 Washington	WBS 44614 was established (04/16) to design plans for replacement of bridge # 26 on SR 1155 over the Scuppernon River; revise scope to include replacement Increase funds	Contingency  <u>TOTAL</u>	\$400,000.00  <u>\$400,000.00</u>
Div 3 Brunswick	Town of Shallotte – Install 205ft of 18in pipe along US-17 Business (Main St) 680ft south on intersection of US-17 Business and SR 1173 WBS 45859	Small Construction  <u>TOTAL</u>	\$30,000.00  <u>\$30,000.00</u>
Div 3 New Hanover	City of Wilmington – WBS 44344 was established (12/14) to install new 125' crossing surface over River Rd and relocate crossing signals to create new spur Increase & close	Econ Development  <u>TOTAL</u>	\$12,218.49  <u>\$12,218.49</u>
Div 5 Wake	Installation of ribbon pavement on SR 2707 (Bryan Rd) for school bus travel with shoulder & ditch sections between SR 2709 (Ackerman Rd) and SR 2706 (Clifford Rd) & signalize Hebron Ch/White Oak Rd WBS 44925	Contingency  <u>TOTAL</u>	\$678,054.00  <u>\$678,054.00</u>
Div 6 Cumberland	City of Fayetteville – Upgrade Botanical Garden directional signing  WBS 44930	Contingency  <u>TOTAL</u>	\$30,000.00  <u>\$30,000.00</u>
Div 11 Alleghany	Town of Sparta – WBS 44153 was established (03/14) for milling, paving, drainage improvements, curb & gutter, and sidewalk along NC-18 from Alleghany St to Grayson St Increase & close	Small Construction  <u>TOTAL</u>	\$23,789.49  <u>\$23,789.49</u>

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

<b>County</b>	<b>Description</b>	<b>Type</b>	<b>Amount</b>
Div 11 Ashe	Upgrade Ivy Hill Rd to minimum State standards  WBS 44783	Contingency  <u>TOTAL</u>	 \$50,000.00  <u>\$50,000.00</u>
Div 11 Surry	Town of Pilot Mountain – Realignment of Hamlin St at the intersection of SR 1857 (East Main St)  WBS 44926	Econ Development  <u>TOTAL</u>	 \$200,000.00  <u>\$200,000.00</u>
Div 11 Yadkin	Town of Jonesville – WBS 43682 was established (01/13) to construct a new roundabout on NC-67 at SR 1432 (Philips Van-Heusen Rd) Increase & close	Small Construction  <u>TOTAL</u>	 \$14,330.45  <u>\$14,330.45</u>
Div 12 Iredell	Town of Mooresville – WBS 44234 was established (06/14) for the construction of Cornelius-Mazeppa Rd beginning at the termini of existing SR1302 (Cornelius Rd) and ending at the termini of existing SR 2395 (Mazeppa Rd); proposed construction is approximately 1 mile in length consisting of two 12' travel lanes with 6' bike lanes of each side Increase & close	Small Construction  <u>TOTAL</u>	 \$24,076.71  <u>\$24,076.71</u>

<b>Summary:</b>	<b>Number of Projects</b>	<b>11</b>
	<b>Number of Divisions</b>	<b>6</b>
	<b>Small Construction Commitment</b>	<b>\$92,196.65</b>
	<b>Public Access Commitment</b>	<b>\$0.00</b>
	<b>Contingency Commitment</b>	<b>\$1,178,054.00</b>
	<b>Economic Development</b>	<b>\$212,218.49</b>
	<b>TOTAL</b>	<b>\$1,482,469.14</b>



Division	Project Description	Estimated Cost	
		\$1,200,000	Total
		\$0	Federal
		\$1,200,000	State
		\$0	Local
7	17-DG-025 - The City of High Point in conjunction with the High Point Market Authority is requesting funds to support transportation for the annual Fall and Spring furniture markets in High Point. The funds will be used to provide free shuttle services for market attendees from Piedmont Triad area hotels and designated park and ride lots to the Home Furnishings Market, and for circulator services in the High Point showroom district. These circulator and shuttle service will be provided by numerous private transportation providers procured and organized by the High Point Market Authority. This is a request to disburse up to \$600,000 for each market subject to appropriations by the Legislature.		
		\$54,000	Total
		\$0	Federal
		\$54,000	State
		\$0	Local
7, 9, 5, 12, 11, 13	17-DG-041, 17-DG-037, 17-DG-030, 17-DG-087, 17-DG-080 - PTD is working with the NCDHHS to implement an automated claims process. Pilot counties have been selected to create the interfaces required to upload the claims from our routing and scheduling software to NCTracks (DHHS Software). It involves County DHHS, County transit systems and NCDHHS. This pilot will include Alamance County Transportation, Rowan Transit System, Kerr Area Regional Transportation, Lincoln County Transportation, Western Piedmont Regional Transportation Authority. The period of performance will be August 1, 2016 - June 30, 2017.		

Item I-1 ; 2 Projects ; Total Federal and State Funds \$1,254,000

**ADDITIONS to the Transit 2016-2025 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	
TA-5226	Charlotte Area Transit System	Replacement Bus – CMAQ Application MU#2012-3	5307	CMAQ		3,864	3,864					
			Local	L		966	966					
TQ-6957	Charlotte Area Transit System	Operating Projects for Enhanced Mobility of Seniors and Individuals with Disabilities	FEPD	5310	560	295	305	314	323	333	343	
			Local	L	560	295	305	314	323	333	343	
					<b>FY 23</b>	<b>FY 24</b>	<b>FY 25</b>					
				CONTINUED	FEPD	5310	353	364	375			
			Local	L	353	364	375					
TQ-7009	Charlotte Area Transit System	Administrative Oversight for 5310	FEPD	5310	70	33	34	35	36	37	38	
					<b>FY 23</b>	<b>FY 24</b>	<b>FY 25</b>					
				CONTINUED	FEPD	5310	39	41	42			
TG-5248	Chapel Hill Transit System	Improvements to the Chapel Hill Transit Campus, system-wide improvements to transit stops, purchase of bus stop amenities, capital procurement administration	FBUS	5339	427							
			Local	L	107							
TA-5193	GoTriangle	Purchase of Replacement Vehicles	FUZ	5307	380							
			Local	L	63							
				FBUS	5339		380					
				Local	L		95					
TA-5195	GoTriangle	Purchase Replacement Vehicle	JARC	5316		380						
				Local	L		95					

**MODIFICATIONS to the Transit 2016-2025 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	
TA-5144	Durham Area Transit Authority	Purchase of Buses and Paratransit Vehicle	FBUS	5339	926	841						
			Local	L	225	168						
TA-4923	Durham Area Transit Authority	Replacement of Batteries, Bus Refurbishment, Purchase Replacement Paratransit Vehicles and Purchase of Replacement Buses	5307	STPDA	3,618	400	440	484	533	586	645	
				State	S	285						
				Local	L	666	100	110	121	133	147	161

TA-5019A	Durham Area Transit Authority	Purchase of Paratransit Vehicles, Bus Refurbishment, and Bus Shelters	5307	STPDA	35						
			Local	L	9						
TG-4738	Durham Area Transit Authority	Routine Capital – Bus Stop Shelters, Benches, Shop Equipment, Spare55 Parts, Engines, Service Vehicles, etc.	FUZ	5307	3,777	4,155	4,570	5,027	5,530	6,083	6,691
			Local	L	944	1,039	1,142	1,257	1,382	1,521	1,673
		CONTINUED			<b>FY 23</b>						
			FUZ	5307	7,360						
			Local	L	1,840						

**ADMINISTRATIVE MODIFICATIONS to the Transit 2016-2025 STIP**

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)
TG-6176	Charlotte Area Transit Authority	Replacement of Fare boxes on CATS Buses	5307	STPDA	3,500						
			Local	L	875						

Item I-1A, 11 Projects, Total Federal/State funds \$69,032,000

<b>Town/County Division</b>	<b>NCDOT September 2016 Board of Transportation Agenda Rail Program Project Description</b>	<b>Estimated Cost</b>
Wake, Durham and Alamance Counties	The Rail Division requests approval to award a contract to the lowest responsive bidder, BAR Construction Company, Inc. for Passenger Information Display Systems (PIDS) at three train stations: Cary, Durham, and Burlington as part of the Piedmont Improvement Project. The award will be for a general construction contract and includes electrical, mechanical, structural, and architectural infrastructure. The funding source is 100% USDOT ARRA. The total amount of the bid was \$248,000 dollars. The project design, bidding, and construction will comply with State Construction Office requirements.  TIP P-2918	\$248,000

**ITEM I-2 SUMMARY – 1 PROJECT(S) – (TOTAL FEDERAL AND STATE) \$248,000**

**NCDOT September 2016 Board of Transportation Agenda**

**Division of Bicycle and Pedestrian Transportation Program**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Dare County Division 1	<b>Dare County</b> Planning Study Population 33,920 NCDOT Share 80% - \$87,500 Local 20% - \$17,500	\$105,000 \$87,500 \$0 \$17,500	Total Federal State Local
Marion McDowell Division 13	<b>City of Marion</b> Planning Study Population 7,930 NCDOT Share 80% - \$87,500 Local 20% - \$17,500	\$105,000 \$87,500 \$0 \$17,500	Total Federal State Local
Sanford Lee Division 6	<b>City of Sanford</b> Planning Study Population 28,094 NCDOT Share 80% - \$87,500 Local 20% - \$17,500	\$105,000 \$87,500 \$0 \$17,500	Total Federal State Local
Siler City Chatham Division 8	<b>Town of Siler City</b> Planning Study Population 7,887 NCDOT Share 80% - \$87,500 Local 20% - \$17,500	\$105,000 \$87,500 \$0 \$17,500	Total Federal State Local

**ITEM I-3 SUMMARY – 4 PROJECTS – (TOTAL FEDERAL, STATE AND LOCAL) \$420,000**

## NCDOT September 2016 Board of Transportation Agenda

### Aviation Program

<b>Division Airport</b>	<b>Project Title Project Description [Partner Connect #]</b>
Division 02 MRH - Michael J. Smith Field	<b>UPDATE ALP AND EXHIBIT A</b> Update Airport Layout Plan (ALP) as required by the Federal Aviation Administration. The ALP maintains the current status and future objectives of the airport and provides all involved agencies the opportunity to plan and communicate. Includes a Runway Length Analysis. [3014]
Division 02 OCW - Warren Field	<b>RUNWAY 5-23 REHABILITATION (CONSTRUCTION)</b> Rehabilitate and strengthen Runway 5-23 pavement and strengthen existing pavement to accommodate aircraft up to 60,000 lb. The Pavement Condition Index of the Apron is 54 - Poor. [3000]
Division 03 60J - Odell Williamson Municipal Airport	<b>UPDATE ALP AND EXHIBIT A</b> Update Airport Layout Plan (ALP) as required by the Federal Aviation Administration. The ALP maintains the current status and future objectives of the airport and provides all involved agencies the opportunity to plan and communicate. [3027]
Division 03 SUT - Cape Fear Regional Jetport	<b>UPDATE ALP AND EXHIBIT A</b> Update Airport Layout Plan (ALP) as required by the Federal Aviation Administration. The ALP maintains the current status and future objectives of the airport and provides all involved agencies the opportunity to plan and communicate. [2173]
Division 04 ETC - Tarboro- Edgecombe Airport	<b>UPDATE ALP</b> Update Airport Layout Plan (ALP) as required by the Federal Aviation Administration. The ALP maintains the current status and future objectives of the airport and provides all involved agencies the opportunity to plan and communicate. [3699]
Division 04 GWW - Wayne Executive Jetport	<b>UPDATE ALP</b> Update Airport Layout Plan (ALP) as required by the Federal Aviation Administration. The ALP maintains the current status and future objectives of the airport and provides all involved agencies the opportunity to plan and communicate. [3545]
Division 04 JNX - Johnson County Airport	<b>FUEL FARM</b> Construct fuel farm in a new location in order to reduce vehicle and aircraft interaction on an active taxiway and replace aging facility. [2923]
Division 04 W40 - Mount Olive Municipal Airport	<b>UPDATE ALP, EXHIBIT A AND AC 150/5300-18B SURVEY</b> Update the Airport Layout Plan (ALP) as required by the Federal Aviation Administration. The ALP maintains the current status and future objectives of the airport and provides all involved agencies the opportunity to plan and communicate. Includes FAA AC 150/5300-18B Survey. [3395]

<b>Division Airport</b>	<b>Project Title</b> Project Description [Partner Connect #]
Division 05 HNZ - Henderson-Oxford Airport	<b>T-HANGARS, TAXILANES, AND ACCESS ROAD</b> Relocate Taxilane and T-Hangars in order to meet separation standards. Construct T-Hangars to replace those damaged in the tornado last February. [3211]
Division 06 LBT - Lumberton Regional Airport	<b>ALP UPDATE AND AC 150/5300-18B SURVEY (Grant Amendment)</b> Additional funding necessary to update the Airport Layout Plan (ALP) as required by the Federal Aviation Administration. The ALP maintains the current status and future objectives of the airport and provides all involved agencies the opportunity to plan and communicate. [2844]
Division 06 LBT - Lumberton Regional Airport	<b>TERMINAL BUILDING REPLACEMENT</b> Construct new terminal building to replace the existing facility built in 1969 which no longer meets current standards or the needs of the airport. [2421]
Division 07 BUY - Burlington- Alamance Regional Airport	<b>LAND ACQUISITION- MILLER AND BONHAM</b> Acquire 2 parcels adjacent to the Runway 6 RSA (Runway Safety Area) in order to remove obstructions in the RPZ (Runway Protection Zone). Project allows restoration of approach minimums that were increased due to obstructions. [3564]
Division 07 BUY - Burlington- Alamance Regional Airport	<b>TWIN ARCH CULVERT REHABILITATION</b> Rehabilitate twin steel arch culvert (Gunn Creek). Clean and apply zinc rich paint over corroded areas, grout foundation voids/scour holes, remove sediment build-up and improve inlet/outlet channel geometry. [2611]
Division 07 SIF - Rockingham County / NC Shiloh Airport	<b>APRON REHABILITATION</b> Rehabilitate apron pavement in order to prevent further deterioration. The Pavement Condition index is 65 - fair. The asphalt General Aviation Apron has failed due to severe pavement distress and heaves caused by recent frost damage [3512]
Division 08 MEB - Laurinburg / Maxton Airport	<b>APRON REHABILITATION AND TAXILANE &amp; CORPORATE HANGAR DEVELOPMENT</b> Rehabilitate a portion of the existing apron allowing aircraft to safely use the additional tiedowns and provide access to new hangars and includes site preparation, paving, and parking areas. The Pavement Condition Index of the Apron is 48 - poor. [2860]
Division 09 INT - Smith Reynolds Airport	<b>REHABILITATE RUNWAY 4 (APPROX. 1,100 FT.)</b> Rehabilitate a portion of Runway 4 due to its deteriorated and poor condition. Pavement failed according to FAA Part 139 inspection. Over 50% of the traffic at INT operates on Runway 4-22 due to the active flight school on site. This project represents the final portion of the runway requiring rehabilitation. [3148 – combine with 3534 and 3311 for bidding and grant reimbursement]
Division 09 INT - Smith Reynolds Airport	<b>RECONSTRUCT TAXIWAY HOTEL</b> Reconstruct Taxiway Hotel in order to prevent further deterioration or pavement. The taxiway PCI was 40 - Poor and contains severe cracking. [3534– combine with 3548 and 3311 for bidding and grant reimbursement]

<b>Division Airport</b>	<b>Project Title Project Description [Partner Connect #]</b>
Division 09 INT - Smith Reynolds Airport	<b>NEW PARALLEL TAXIWAY Q (RELOCATION OF TAXIWAY A) (Design Only)</b> Construct 6,655 foot taxiway parallel to Runway 15-33 on the northeast side of the Runway. Relocates Taxiway in order to meet current separation standards from ILS Runway 15-33 as required by FAA standards. [3311– combine with 3534 and 3348 for bidding and grant reimbursement]
Division 09 RUQ - Rowan County Airport	<b>RUNWAY OVERLAY</b> Overlay Runway 02-20 and rehabilitate blast pad on Runway 02 in order to prevent further deterioration of the runway pavement. The Runway Pavement Condition Index was 63 - Fair. [2766]
Division 10 EQY - Charlotte-Monroe Executive Airport	<b>APRON REHABILITATION (AREAS A, B AND SOUTH HALF OF C)</b> Rehabilitate apron pavement in order to prevent further deterioration of pavement. The Apron Pavement Condition Index was 52 - Poor. Includes stone base rehabilitation, underdrains, and repaving of bituminous concrete surface course will be required. [2810]
Division 11 7A8 - Avery County / Morrison Field	<b>RUNWAY REHABILITATION</b> Full depth pavement rehabilitation of Runway 17-35 in order to prevent further deterioration of runway pavement. The Runway Pavement Condition Index was 49-Poor. [3091]
Division 11 GEV - Ashe County Airport	<b>WATERLINE TO TERMINAL (Design Only)</b> Design waterline to supply terminal area with sufficient flow in order to meet the aeronautical needs of the airport. [3034]
Division 11 MWK - Mount Airy Airport	<b>LAND ACQUISITION (REIMBURSEMENT)</b> Reimburse eligible expenses associated with land acquisition of parcels on Holly Avenue impacting the Runway Object Free Area. [3366]
Division 11 MWK - Mount Airy Airport	<b>Extend Runway and Taxiway; Rehabilitate, Widen, and Strengthen Runway</b> Extend runway and taxiway to 5500 feet in order to meet current and future operational needs of the airport. Project widens the existing runway to 100', rehabilitates and strengthens existing pavement to achieve 30,000 lbs DWG and replaces lighting. Runway Pavement Condition Index was 63 – Fair. [2596/2597/2599]
Division 11 UKF - Wilkes County Airport	<b>PARALLEL TAXIWAY REHABILITATION</b> Rehabilitate existing parallel and connector taxiways in order to prevent further deterioration of taxiway pavement and construct a new connector taxiway to eliminate direct access from the apron. Pavement Condition Index was 63 – Fair. [3055]
Division 12 HKY - Hickory Regional Airport	<b>MASTER PLAN UPDATE</b> Update Airport Master Plan to address differing demand on the airfield as a result of the loss of scheduled airline service. The Master Plan determines the future direction of airport development to assist the city in maximizing the future potential of the Airport. [2749]



**Division  
Airport**

**Project Title**  
Project Description [Partner Connect #]

Division 12  
IPJ - LincolnLincoln  
County airport

**TERMINAL AREA SITE DEVELOPMENT**  
Expand terminal area to accommodate additional based aircraft. Grant Award dependent on Sponsor securing commitment of funding from USDA and other sources. [tbd]

Division 12  
SVH - Statesville  
Regional Airport

**TAXIWAY A LIGHTING REHABILITATION AND GUIDANCE SIGN  
INSTALLATION (Grant Amendment)**  
Rehabilitate existing taxiway edge lighting system with LED lights and install/upgrade required taxiway guidance signs. Additional funds are required to address actual bid prices. [3374]

**ITEM I-4 SUMMARY – 28 PROJECTS - (TOTAL STATE, FEDERAL AND LOCAL COST) \$27,360,905**  
**\*\*Project selection and approval for award. Estimated costs are shown; only eligible costs within the project scope of work will be reimbursed.**



**NCDOT September 2016 Board of Transportation Agenda** **J-1**  
**Approval of Specific State Funds for Construction Projects**  
**(For projects previously identified as Specific State Funds for Construction projects**  
**Now being funded under Strategic Transportation Investments)**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Dare Co. Div. 1 B-2500 REGIONAL	WBS 32635.2.3 Replace Bridge 11 over the Oregon Inlet on NC 12. \$1,516,109.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$1,100,000.00
Alleghany Co. Div. 11 R-4060 DIVISION	WBS 34605.1.2 US 21 (Sparta Western Loop) from SR 1172 (Grandview Drive) to US 21. \$1,484,771.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$500,000.00
Jackson Co. Div. 14 R-5000 DIVISION	WBS 41156.3.1 New location connector from NC 116 to NC 107 in Webster. \$16,974,043.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$800,000.00
<b>ITEM J SUMMARY</b>	<b>3 PROJECTS</b>	<b>\$2,400,000.00</b>

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Lenoir Co. Div. 2 R-5703 REGIONAL	WBS 46375.1.1 NC 148 (Harvey Parkway) from NC 58 to NC 11. \$750,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$1,000,000.00
Lenoir Co. Div. 2 R-5703 REGIONAL	WBS 46375.2.1 NC 148 (Harvey Parkway) from NC 58 to NC 11. Initial funds are requested for full right of way.	\$6,690,000.00
Jones/ Onslow Cos. Div. 2/3 R-2514B STATEWIDE	WBS 34442.2.S3 US 17 South of Belgrade to North of Maysville. \$4,900,000.00 has previously been approved for right of way. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$1,800,000.00
Jacksonville/ Onslow Co. Div. 3 U-5508 STATEWIDE	WBS 50015.1.2 NC 24 (Lejeune Boulevard) at NC 53 (Western Boulevard). Initial funds are requested for preliminary engineering.	\$300,000.00
Edgecombe/ Nash Cos. Div. 4 P-5711 STATEWIDE	WBS 44908.1.1 CSX A Line. Construct freight rail and intermodal terminal infrastructure (CCX) along National Gateway Corridor. Initial funds are requested for preliminary engineering.	\$10,000,000.00

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Edgecombe Co. Div. 4 U-4762 DIVISION	WBS 39930.2.2 SR 1250 (Springfield Road) from US 64 alternate to SR 1243 (Leggett Road). Initial funds are requested for full right of way and utilities.	\$1,146,000.00
Smithfield/ Johnston Co. Div. 4 U-3334B DIVISION	WBS 34929.1.4 SR 1923 (Booker Dairy Road Extension) from SR 1003 (Buffalo Road) to US 301 (Brightleaf Boulevard). \$700,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$195,000.00
Wayne Co. Div. 4 R-5719 DIVISION	WBS 50473.2.1 US 117 at SR 1135 (Country Club Road). Initial funds are requested for full right of way.	\$1,380,000.00
Wayne Co. Div. 4 U-2714 REGIONAL	WBS 38979.1.2 US 117 alternate from US 70 Bypass to SR 1306 (Fedelon Trail) in Goldsboro. Initial funds are requested for preliminary engineering.	\$1,000,000.00
Wayne Co. Div. 4 U-5796 DIVISION	WBS 54039.2.1 US 117 at SR 1120 (O'Berry Road) interchange. Initial funds are requested for full right of way.	\$1,380,000.00

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake/ Johnston Cos. Div. 4/5 R-2829 STATEWIDE	WBS 35517.2.1 Eastern Wake Freeway from I-40 to south of Garner to US 64/264 Knightdale Bypass. Initial funds are requested for appraisal of Specific Parcel 900.	\$25,000.00
Durham/ Durham Co. Div. 5 U-0071WM STATEWIDE	WBS 34745.4.2 East End Connector, NC 147 (Durham Freeway) to North of NC 98 in Durham. \$5,412.00 has previously been approved for wetland mitigation. Additional funds are needed for wetland mitigation. <b>This is a Strategic Transportation Investments Transition project.</b>	\$1,137,776.38
Wake Co. Div. 5 U-5518B REGIONAL	WBS 43612.2.3 US 70 (Glenwood Avenue) at SR 3067 (T.W. Alexander Drive). Initial funds are requested for appraisal of Specific Parcel 900.	\$25,000.00
Moore Co. Div. 8 R-2807 DIVISION	WBS 38835.1.2 NC 73 from NC 211 to proposed NC 211 Bypass of West End. Initial funds are requested for preliminary engineering.	\$300,000.00
Moore Co. Div. 8 U-3628 REGIONAL	WBS 44672.1.2 NC 24 / NC 27 from courthouse west of NC 22 (McNeill Street) to US 15 / 501 in Carthage. Initial funds are requested for preliminary engineering.	\$200,000.00

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Forsyth Co. Div. 9 R-2247EA REGIONAL	WBS 34409.2.27 Winston-Salem Northern Beltway from NC 67 to south of US 52. Funding for MapAct cases. Initial funds are requested for right of way associated with the MapAct.	\$100,000.00
Mecklenburg/ Union Cos. Div. 10 U-4913 DIVISION	WBS 40543.1.2 SR 3174 (Idlewild Road) from I-485 to SR 1524 (Stevens Mill Road). Initial funds are requested for preliminary engineering.	\$1,500,000.00
Mecklenburg Co. Div. 10 U-5804B DIVISION	WBS 44376.2.2 SR 3448 (South Trade Street) from Four Mile Creek to Weddington Road. Initial funds are requested for full right of way.	\$100,000.00
Mecklenburg Co. Div. 10 U-5805 DIVISION	WBS 44377.1.1 Intersection of SR 1009 (Monroe Road) and Rama Road/Idlewild Road. Initial funds are requested for preliminary engineering.	\$510,000.00
Mecklenburg Co. Div. 10 U-5873 BONUS ALLOCATION	WBS 46425.1.1 Intersection of NC 115 and Potts Street. Initial funds are requested for preliminary engineering. <b>This is a Bonus Allocation project.</b>	\$900,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Mecklenburg Co. Div. 10 U-5906 BONUS ALLOCATION	WBS 46451.1.1 Intersection improvements. SR 2195 (Torrence Chapel Road) and SR 5544 (West Catawba Avenue) in Corenelius. Initial funds are requested for preliminary engineering. <b>This is a Bonus Allocation project.</b>	\$500,000.00
Union Co. Div. 10 P-5704 REGIONAL	WBS 46398.1.1 CSX SF Line, Milepost 311.8 to Milepost 316.9. 10,000 feet track siding extension at Stouts in Union County. \$660,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$660,000.00
Caldwell Co. Div. 11 R-5745 DIVISION	WBS 50200.2.1 Intersection of US 64/NC90/NC 18 (Wilkesboro Boulevard) and US 64/NC 90 (Taylorsville Road). Construct intersection improvements. Initial funds are requested for full right of way and utilities.	\$700,000.00
Caldwell Co. Div. 11 R-5745 DIVISION	WBS 50200.1.1 Intersection of US 64/NC90/NC 18 (Wilkesboro Boulevard) and US 64/NC 90 (Taylorsville Road). Construct intersection improvements. \$210,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$125,000.00
Alexander Co. Div. 12 U-5801 REGIONAL	WBS 44373.3.1 NC 16 at intersection of NC 16 and US 64. Initial funds are requested for construction.	\$190,000.00



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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Clay Co. Div. 14 R-4416A STATEWIDE	WBS 38908.3.S3 US 64, from Chunky Gal Gap westward for two miles, construct truck climbing lane (2 miles), clearing and grubbing. \$105,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$130,000.00
Statewide Div. 19 M-0479 SW/REG/DIV	WBS 46314.1.S1 Statewide project development and environmental analysis, preliminary engineering for miscellaneous projects. \$975,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. Additional funds are requested using 40% Statewide (\$98,000.00) / 30% Regional (\$73,500.00) / 30% Division (\$73,500.00) Tier funding.	\$245,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	6 PROJECTS	\$13,392,776.38
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	8 PROJECTS	\$9,865,000.00
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	10 PROJECTS	\$7,336,000.00
STATEWIDE/REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$245,000.00
EXEMPT STRATEGIC TRANSPORTATION INVESTMENTS	2 PROJECTS	\$1,400,000.00
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>27 PROJECTS</b>	<b>\$32,238,776.38</b>

**September 8, 2016**

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wilmington/ New Hanover Co. Div. 3 U-4751 STATEWIDE	WBS 40191.1.2 SR 1409 (Military Cutoff Road Extension) from SR 1409 (Military Cutoff Road) to US 17 in Wilmington. \$8,075,302.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$190,000.00
Wilmington/ New Hanover Co. Div. 3 U-4751 STATEWIDE	WBS 40191.2.1 SR 1409 (Military Cutoff Road Extension) from SR 1409 (Military Cutoff Road) to US 17 in Wilmington. \$52,950,000.00 has previously been approved for acquisition of specific parcels. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$2,100,000.00
<b>TRUST FUND INTRASTATE SUMMARY</b>	<b>2 PROJECTS</b>	<b>\$2,290,000.00</b>

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Greensboro/ Guilford Co. Div. 7 U-2525B STATEWIDE	WBS 34821.2.3 Greensboro Eastern Loop from north of US 70 to US 29 north of Greensboro. \$36,800,000.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$480,000.00
Greensboro/ Guilford Co. Div. 7 U-2525C STATEWIDE	WBS 34821.1.5 Greensboro Eastern Loop from US 29 north of Greensboro to SR 2303 (Lawndale Drive). \$1,345,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$270,000.00
Forsyth Co. Div. 9 R-2247 STATEWIDE	WBS 34409.1.1 Winston Salem Northern Beltway from US 158 to US 52. \$14,420,674.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$195,000.00
<b>TRUST FUND URBAN LOOP</b>	<b>3 PROJECTS</b>	<b>\$945,000.00</b>
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>27 PROJECTS</b>	<b>\$32,238,776.38</b>
<b>TRUST FUND INTRASTATE SUMMARY</b>	<b>2 PROJECTS</b>	<b>\$2,290,000.00</b>
<b>TRUST FUND URBAN LOOP</b>	<b>3 PROJECTS</b>	<b>\$945,000.00</b>
<b>SUMMARY OF FUNDS</b>	<b>32 PROJECTS</b>	<b>\$35,473,776.38</b>

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-1

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Craven Co. Div. 2 SS-4902CG	WBS 44865.3.1 US 70 at SR 1116 (Thurman Road). Initial construction funds are needed for sign and flasher installation. File 02-15-36602C	\$54,000.00
Greenville/ Pitt Co. Div. 2 SS-4902BQ	WBS 44312.3.1 SR 1708 (Firetower Road) at SR 1704 (14th Street). \$24,000.00 in construction funds has previously been approved for traffic signal revisions. Additional funds are needed due to an increase in construction costs. Increase funds and close project. File 02-13-25297-1	\$2,263.44
Wilmington/ New Hanover Co. Div. 3 SS-4903CM	WBS 44867.3.1 SR 1209 (Independence Boulevard) and Canterbury Road. Initial construction funds are needed for traffic signal revisions. File 03-16-39587C	\$20,250.00
Jacksonville/ Onslow Co. Div. 3 SS-4903CN	WBS 44892.3.1 NC 53 (Western Boulevard) and Center/Liberty Street. Initial construction funds are needed for traffic signal revisions. File 03-16-39524C	\$14,400.00
Sampson Co. Div. 3 SS-4903CL	WBS 44866.3.1 US 13 (Newton Grove Highway) in vicinity of culvert between SR 1809 (Wrye Branch Road) and SR 1639 (Blackman Road). Initial construction funds are needed for guardrail installation. File 03-16-40744C	\$27,900.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-2

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Nash/ Wilson Cos. Div. 4 SS-4904DT	WBS 44868.3.1 NC 4/48 at structure #C316 in Nash County. SR 1163 (Downing Street) at structure #67 in Wilson County. Initial construction funds are needed for guardrail installation. File 04-16-39808C	\$54,000.00
Louisburg/ Franklin Co. Div. 5 SS-4905DR	WBS 44899.3.1 SR 1229 (North Main Street) between College Street and Clifton Street. Initial construction funds are needed for improved pedestrian accommodations. File 05-16-0800C	\$27,000.00
Oxford/ Granville Co. Div. 5 SS-4905DM	WBS 44903.3.1 US 158 (Oxford Loop Road) at US 15, NC 96 and US 158 Business (Roxboro Road). Initial construction funds are needed for traffic signal revisions to provide a Dynamic Red Extension system. File 05-16-0786C	\$27,000.00
Wake Co. Div. 5 SS-4905DN	WBS 44904.3.1 I-495 and US 64 between Rogers Lane and east of NC 96. Initial construction funds are needed for pavement grooving and other drainage improvements. File 05-16-0739C	\$243,000.00
Wake Co. Div. 5 SS-4905DO	WBS 44902.3.1 SR 1390 (Optimist Farm Road) near Talicud Trail. Initial construction funds are needed for dynamic curve warning system installation. File 05-16-0729C	\$22,500.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-3

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Raleigh/ Wake Co. Div. 5 SS-4905DP	WBS 44901.3.1 SR 2026 (Person Street) at SR 4363 (Martin Luther King Jr. Boulevard). Initial construction funds are needed for traffic signal revisions. File 05-16-0801C	\$9,000.00
Raleigh/ Wake Co. Div. 5 SS-4905DQ	WBS 44900.2.1 SR 2000 (Old Falls of Neuse Road) at Wakefield Plantation Drive/Wakefalls Drive. Initial right of way and utilities funds are needed for traffic signal installation. File 05-16-0728R	\$9,000.00
Raleigh/ Wake Co. Div. 5 SS-4905DQ	WBS 44900.3.1 SR 2000 (Old Falls of Neuse Road) at Wakefield Plantation Drive/Wakefalls Drive. Initial construction funds are needed for traffic signal installation. File 05-16-0728C	\$112,500.00
Fayetteville/ Cumberland Co. Div. 6 SS-4906CQ	WBS 44898.2.1 US 401 (Ramsey Street) at Summerchase Drive. Initial right of way and utilities funds are needed for traffic signal installation. File 06-16-40379R	\$45,000.00
Fayetteville/ Cumberland Co. Div. 6 SS-4906CQ	WBS 44898.3.1 US 401 (Ramsey Street) at Summerchase Drive. Initial construction funds are needed for traffic signal installation. File 06-16-40379C	\$157,500.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-4

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cumberland Co. Div. 6 SS-4906CR	WBS 44897.3.1 US 13 near SR 1818 (Bud Geddie Road). Initial construction funds are needed for roadside improvements. File 06-16-40732C	\$1,800.00
Cumberland Co. Div. 6 SS-4906CS	WBS 44896.2.1 I-95 Business/US 301 from SR 1728 (Middle Road) to I-95. Initial right of way and utilities funds are needed for roadside improvements and guardrail installation. File 06-16-40459R	\$4,500.00
Cumberland Co. Div. 6 SS-4906CS	WBS 44896.3.1 I-95 Business/US 301 from SR 1728 (Middle Road) to I-95. Initial construction funds are needed for roadside improvements and guardrail installation. File 06-16-40459C	\$297,000.00
Caswell Co. Div. 7 SS-4907BR	WBS 44895.3.1 NC 86 at SR 1300 (Park Springs Road) north of Yanceyville. Initial construction funds are needed for intersection improvements. File 07-15-789C	\$22,500.00
Greensboro/ Guilford Co. Div. 7 SS-4907BT	WBS 44893.3.1 SR 1001 (North Church Street) near Laurel Bluff Trail (greenway), Reedy Fork Trail (greenway), and Bridge 129. Initial construction funds are needed for improved pedestrian accommodations, roadside improvements, and guardrail installation. File 07-16-753C	\$18,900.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-5

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Orange Co. Div. 7 SS-4907BS	WBS 44894.2.1 US 70 at SR 1114 (Buckhorn Road) east of Mebane. Initial right of way and utilities funds are needed for traffic signal installation. File 07-16-550R	\$40,500.00
Orange Co. Div. 7 SS-4907BS	WBS 44894.3.1 US 70 at SR 1114 (Buckhorn Road) east of Mebane. Initial construction funds are needed for traffic signal installation. File 07-16-550C	\$43,200.00
Montgomery/ Richmond Cos. Div. 8 SS-4908BD	WBS 44890.3.1 I-73/74 in Richmond County. I-73/74, NC 24/27, US 220 Bus., NC 109, and NC 134 in Montgomery County. Initial construction funds are needed for guardrail end unit upgrades. File 08-16-0825C	\$153,000.00
Richmond Co. Div. 8 SS-4908BC	WBS 44891.3.1 SR 1900 (Battley Dairy Road) at SR 1966 (Airport Road). Initial construction funds are needed for All Way Stop installation. File 08-16-0724C	\$13,500.00
Lexington/ Davidson Co. Div. 9 SS-4909BS	WBS 44887.3.1 SR 1147 (Old Salisbury Road) at I-85 Bus. (SB Ramps)/SR 1232 (Odell Owen Road). Initial construction funds are needed for traffic signal revisions. File 09-16-757C	\$32,850.00

**September 8, 2016**



**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-6

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Winston- Salem/ Forsyth Co. Div. 9 SS-4909BR	WBS 44888.2.1 SR 1120 (Clemmons Road/Stafford Village Boulevard) at SR 3011 (Old Salisbury Road). Initial right of way and utilities funds are needed for traffic signal revisions. File 09-16-759R	\$45,000.00
Winston- Salem/ Forsyth Co. Div. 9 SS-4909BR	WBS 44888.3.1 SR 1120 (Clemmons Road/Stafford Village Boulevard) at SR 3011 (Old Salisbury Road). Initial construction funds are needed for traffic signal revisions. File 09-16-759C	\$32,850.00
Stokes Co. Div. 9 SS-4909BQ	WBS 44889.3.1 SR 1134 (William Fowler Road) at culvert and ravine in vicinity of Milepost 0.20. Initial construction funds are needed for guardrail installation. File 09-16-752C	\$18,900.00
Concord/ Cabarrus Co. Div. 10 SS-4910CK	WBS 44884.2.1 SR 1305 (Pitts School Road) in the vicinity of Morris Glen Drive in Concord. Initial right of way and utilities funds are needed for shoulder and curve improvements. File 10-16-221R	\$9,000.00
Concord/ Cabarrus Co. Div. 10 SS-4910CK	WBS 44884.3.1 SR 1305 (Pitts School Road) in the vicinity of Morris Glen Drive in Concord. Initial construction funds are needed for shoulder and curve improvements. File 10-16-221C	\$144,000.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-7

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mint Hill/ Mecklenburg Co. Div. 10 SS-4910CJ	WBS 44885.3.1 SR 5223 (Wilgrove Mint Hill Road) and Truelight Church Road in Mint Hill. Initial construction funds are needed for All Way Stop installation. File 10-16-226C	\$9,900.00
Charlotte/ Mecklenburg Co. Div. 10 SS-4910CL	WBS 44882.3.1 I-85 NB ramp to I-77 NB. Initial construction funds are needed for installation of high friction treatment on roadway surface. File 10-15-244C	\$103,500.00
Monroe/ Union Co. Div. 10 SS-4910CI	WBS 44886.3.1 SR 1501 (Secret Shortcut Road) at the Burger King driveway in Monroe. Initial construction funds are needed for median installation. File 10-16-220C	\$90,000.00
Mount Airy/ Surry Co. Div. 11 SS-4911AO	WBS 44881.2.1 SR 1700 (Greenhill) in the curve near Hazelnut Court. Initial right of way and utilities funds are needed for guardrail installation. File 11-15-203R	\$900.00
Mount Airy/ Surry Co. Div. 11 SS-4911AO	WBS 44881.3.1 SR 1700 (Greenhill) in the curve near Hazelnut Court. Initial construction funds are needed for guardrail installation. File 11-15-203C	\$18,000.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-8

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Watauga Co. Div. 11 SS-4911AP	WBS 44880.2.1 SR 1117 (Mast Gap Road). Initial right of way and utilities funds are needed for guardrail installation. File 11-16-212R	\$1,800.00
Watauga Co. Div. 11 SS-4911AP	WBS 44880.3.1 SR 1117 (Mast Gap Road). Initial construction funds are needed for guardrail installation. File 11-16-212C	\$108,450.00
Buncombe Co. Div. 13 SS-4913CG	WBS 44879.3.1 NC 151 from SR 3452 to Railroad Bridge #292 just south of US 19-23. Initial construction funds are needed for centerline rumble strips and pavement marking improvements. File 13-16-213C	\$108,000.00
Buncombe Co. Div. 13 SS-4913CJ	WBS 44874.2.1 SR 1338 (Emma Road) at SR 1333 (Hazel Mill Road)/Westside Drive near Asheville. Initial right of way and utilities funds are needed for traffic signal installation. File 13-16-212R	\$9,900.00
Buncombe Co. Div. 13 SS-4913CJ	WBS 44874.3.1 SR 1338 (Emma Road) at SR 1333 (Hazel Mill Road)/Westside Drive near Asheville. Initial construction funds are needed for traffic signal installation. File 13-16-212C	\$45,000.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-9

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Glen Alpine/ Burke Co. Div. 13 SS-4913CI	WBS 44875.3.1 US 70 from near SR 1138 eastward to Allen Street in Glen Alpine. Initial construction funds are needed for guardrail installation and superelevation improvements. File 13-16-211C	\$225,000.00
Glen Alpine/ Burke Co. Div. 13 SS-4913CI	WBS 44875.2.1 US 70 from near SR 1138 eastward to Allen Street in Glen Alpine. Initial right of way and utilities funds are needed for guardrail installation and superelevation improvements. File 13-16-211R	\$18,000.00
McDowell Co. Div. 13 SS-4913CH	WBS 44878.2.1 US 221 at Railroad Overpass Bridge #R129 (MP 30.394) near Little Switzerland. Initial right of way and utilities funds are needed for guardrail improvements. File 13-16-214R	\$1,800.00
McDowell Co. Div. 13 SS-4913CH	WBS 44878.3.1 US 221 at Railroad Overpass Bridge #R129 (MP 30.394) near Little Switzerland. Initial construction funds are needed for guardrail improvements. File 13-16-214C	\$27,000.00
Haywood Co. Div. 14 SS-4914CP	WBS 44872.2.1 US 19 from the Jackson County line to a point 1.5 miles east near Maggie Valley. Initial right of way and utilities funds are needed for dynamic curve warning system installations in various curves. File 14-16-204R	\$1,800.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

**L-10**

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Haywood Co. Div. 14 SS-4914CP	WBS 44872.3.1 US 19 from the Jackson County line to a point 1.5 miles east near Maggie Valley. Initial construction funds are needed for dynamic curve warning system installations in various curves. File 14-16-204C	\$45,000.00
Haywood Co. Div. 14 SS-4914CR	WBS 44870.2.1 SR 1513 (Thickety Road) from SR 1550 to SR 1552 near Canton. Initial right of way and utilities funds are needed for guardrail installation. File 14-16-206R	\$5,400.00
Haywood Co. Div. 14 SS-4914CR	WBS 44870.3.1 SR 1513 (Thickety Road) from SR 1550 to SR 1552 near Canton. Initial construction funds are needed for guardrail installation. File 14-16-206C	\$45,000.00
Jackson Co. Div. 14 SS-4914CO	WBS 44873.2.1 SR 1367 (Little Savannah Road) between SR 1552 and Tiger Lilly Court. Initial right of way and utilities funds are needed for guardrail installation. File 14-12-206R	\$900.00
Jackson Co. Div. 14 SS-4914CO	WBS 44873.3.1 SR 1367 (Little Savannah Road) between SR 1552 and Tiger Lilly Court. Initial construction funds are needed for guardrail installation. File 14-12-206C	\$18,000.00

**September 8, 2016**

**NCDOT June 2016 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects**

L-11

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Jackson Co. Div. 14 SS-4914CS	WBS 44869.3.1 US 74 Eastbound curve just prior to Exit 85 near Sylva. Initial construction funds are needed for dynamic curve warning system installation. File 14-16-208C	\$40,500.00
Jackson Co. Div. 14 SS-4914CS	WBS 44869.2.1 US 74 Eastbound curve just prior to Exit 85 near Sylva. Initial right of way and utilities funds are needed for dynamic curve warning system installation. File 14-16-208R	\$900.00
Polk Co. Div. 14 SS-4914CQ	WBS 44871.3.1 SR 1137 (Golden Road) from Milepost 6.034-6.534 near Columbus. Initial construction funds are needed for guardrail installation. File 14-16-209C	\$9,000.00
Polk Co. Div. 14 SS-4914CQ	WBS 44871.2.1 SR 1137 (Golden Road) from Milepost 6.034-6.534 near Columbus. Initial right of way and utilities funds are needed for guardrail installation. File 14-16-209R	\$900.00
<b>ITEM L SUMMARY</b>	<b>54 PROJECTS</b>	<b>\$2,637,463.44</b>

**September 8, 2016**

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

**Division 1**

**Enhancement**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Northampton Co. ER-5600DB STATEWIDE	46305.1.5, STP-0110(004) Landscape improvements at the NC Welcome Center and Rest Area on I-95. Funds are needed for preliminary engineering.	\$2,500.00 Cost \$2,000.00 Fed. \$500.00 State
Northampton Co. ER-5600DB STATEWIDE	46305.3.5, STP-0110(004) Landscape improvements at the NC Welcome Center and Rest Area on I-95. Funds are needed for construction for landscape improvements.	\$57,244.00 Cost \$45,795.00 Fed. \$11,449.00 State

**Bridge**

Hertford Co. B-5603 DIVISION	45558.1.1, STP-1311(017) Replace Bridge #137 over the Meherrin River overflow on SR 1311. Funds are needed for preliminary engineering.	\$125,000.00 Cost \$100,000.00 Fed. \$25,000.00 State
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**Rail Program**

Garysburg/ Northampton Co. Z-5400AH DIVISION	43600.1.91, STPRR-0113(005) Railway-Highway Grade Crossing Safety Project. School Road at CSX Crossing #630 120E in Garysburg. Funds are needed for preliminary engineering.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 1 (Continued)**

**Rail Program**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Washington Co. Z-5400AK DIVISION	43600.1.93, STPRR-1357(009) Railway-Highway Grade Crossing Safety Project. SR 1357 (Washington Street) at Carolina Coastal Railroad Crossing #466 198Y in Plymouth. Funds are needed for preliminary engineering.	\$8,000.00 Cost \$7,200.00 Fed. \$800.00 State
Washington Co. Z-5400AK DIVISION	43600.3.93, STPRR-1357(009) Railway-Highway Grade Crossing Safety Project. SR 1357 (Washington Street) at Carolina Coastal Railroad Crossing #466 198Y in Plymouth. Funds are needed for construction for grade crossing flashers and gates.	\$270,000.00 Cost \$243,000.00 Fed. \$27,000.00 State

**Project Mitigation**

Bertie Co. B-5122WM STATEWIDE	42264.4.FS1, BRNHS-0013(024) Replace Bridge #51 over Cashie River on US 13. \$13,308.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$119,618.00 Cost \$95,694.00 Fed. \$23,924.00 State
Bertie Co. B-5141WM STATEWIDE	42302.4.1, BRNHS-0013(025) Replace Bridge #53 over White Oak Swamp on US 13. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$11,392.00 Cost \$9,114.00 Fed. \$2,278.00 State



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

Division 1 (Continued)

Project Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Washington Co. R-3620WM REGIONAL	34548.4.FR2, STP-000S(252) New route from US 64 to NC 32. \$572,542.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program. <b>This is a Strategic Transportation Investments Transition project.</b>	\$1,073,764.00 Cost \$859,011.00 Fed. \$214,753.00 State

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

**Division 2**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Carteret Co. B-4863 DIVISION	40212.1.1, BRSTP-1335(003) Replace Bridges #73 and #96 over The Straits at Harkers Island on SR 1335. \$100,000.00 has previously been approved for preliminary engineering. Reduce funds. Project is now State funded.	-\$100,000.00 Cost -\$80,000.00 Fed. -\$20,000.00 State

**Safety**

Carteret Co. W-5702B DIVISION	44848.1.2, HSIP-1124(016) SR 1124 (Nine Mile Road) between SR 1125 (Lake Road) and SR 1195 (Bur Oak Road). Funds are needed for preliminary engineering.	\$3,500.00 Cost \$3,150.00 Fed. \$350.00 State
Craven Co. SS-4902CG STATEWIDE	44865.1.1, HSIP-0070(200) US 70 at SR 1116 (Thurman Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Craven Co. W-5601BE DIVISION	50138.3.58, HSIP-1004(060) SR 1167 (Kelso / Williams Road) west of SR 1175 (Aviation Drive) toward SR 1004 (Madame Moore Lane). \$25,000.00 has previously been approved for construction. Funds are needed for construction for safety improvements.	\$15,000.00 Cost \$13,500.00 Fed. \$1,500.00 State

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

**Division 2 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Greene Co. W-5601FR REGIONAL	50138.2.175, HSIP-0123(004) NC 123 at SR 1400 (Fourway Road / Ormondsville Road). Funds are needed for full right of way.	\$13,000.00 Cost \$11,700.00 Fed. \$1,300.00 State
Greene Co. W-5702A REGIONAL	44848.1.1, HSIP-0013(064) US 13 at SR 1151 (Burrellfield Road) and SR 1202 (Corbett Town Road). Funds are needed for preliminary engineering.	\$45,000.00 Cost \$40,500.00 Fed. \$4,500.00 State

**Rail Program**

Craven Co. Z-5400BK DIVISION	43600.1.92, STPRR-0229(018) Rail-Highway Grade Crossing Safety Project. Guion Street at the Norfolk Southern Railway Crossing #722 705K in New Bern. Funds are needed for preliminary engineering.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State
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**Project Mitigation**

Carteret Co. B-4722WM REGIONAL	38496.4.1, BRNHS-0070(084) Replace Bridge #33 over North River on US 70. \$81,881.00 has previously been requested for project mitigation. Funding will not be needed, WBS 38496.4.1 to be closed.	-\$81,881.00 Cost -\$65,505.00 Fed. -\$16,376.00 State
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 2 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Greene Co. B-4755WM DIVISION	38527.4.1, BRZ-1215(002) Replace Bridge #65 over Apple Tree Swamp on SR 1215. \$1,514.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38527.4.1 will be closed.	-\$1,514.00 Cost -\$1,211.00 Fed. -\$303.00 State
Lenoir Co. B-4565WM REGIONAL	33773.4.1, BRSTP-070B(005) Replace Bridges #42 and #43 over the Neuse River Overflow on US 70 Business and Bridges #26 and #28 on US 258 Business (South Queen Street). \$140,069.00 has previously been approved for project mitigation. Funds will not be needed, WBS 33773.4.1 will be closed.	-\$140,069.00 Cost -\$112,055.00 Fed. -\$28,014.00 State
Pitt Co. B-5111WM DIVISION	42249.4.1, BRZ-1588(002) Replace Bridge #111 over Briery Swamp on SR 1588. \$4,703.00 has previously been approved for project mitigation. Funds will not be needed, WBS 42249.4.1 will be closed.	-\$4,703.00 Cost -\$3,762.00 Fed. -\$941.00 State

**NCDOT September 2016 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-5534N DIVISION	44096.1.15, STPDA-0332(058) Wilmington - Shipyard Boulevard bus pullout and sidewalks and loading area along Shipyard Boulevard to include sidewalk from Rutledge Drive to Vance Street. \$36,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$20,000.00 Cost \$16,000.00 Fed. \$4,000.00 Local

**Safety**

New Hanover Co. SS-4903CM DIVISION	44867.1.1, HSIP-1209(008) SR 1209 (Independence Boulevard) and Canterbury Road (Non-System). Funds are needed for preliminary engineering.	\$5,625.00 Cost \$5,063.00 Fed. \$562.00 State
Onslow Co. SS-4903CN REGIONAL	44892.1.1, HSIP-0053(020) NC 53 (Western Boulevard) and Center / Liberty Street (Non- System). Funds are needed for preliminary engineering.	\$4,000.00 Cost \$3,600.00 Fed. \$400.00 State
Onslow Co. W-5203X STATEWIDE	45333.2.FS24, HSIP-0017(138) US 17 (New Bern Highway) and SR 1407 (Wolf Swamp Road) and SR 1326 (Drummer Kellum Road). Funds are needed for full right of way and utilities.	\$250,000.00 Cost \$225,000.00 Fed. \$25,000.00 State

**NCDOT September 2016 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>
Sampson Co. SS-4903CL REGIONAL	44866.1.1, HSIP-0013(062) US 13 (Newton Grove Highway) in vicinity of culvert between SR 1809 (Wrye Branch Road) and SR 1639 (Blackmon Road). Funds are needed for preliminary engineering.	\$7,750.00 Cost \$6,975.00 Fed. \$775.00 State

**Project Mitigation**

Brunswick Co. R-3601WM STATEWIDE	38868.4.1, NHS-0017(068) US 17 / 74 / 76 from NC 133 / SR 1472 (Village Road) Interchange to the US 421 / NC 133 Interchange. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$148,082.00 Cost \$118,465.00 Fed. \$29,617.00 State
Duplin Co. B-5143WM DIVISION	42304.4.FD1, BRZ-1105(020) Replace Bridge #408 over Stewarts Creek on SR 1105. \$5,164.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$18,512.00 Cost \$14,810.00 Fed. \$3,702.00 State

**Bicycle and Pedestrian**

Wilmington/ New Hanover Co. U-5527A DIVISION	50077.1.F2, STPTAP-0332(047) Military Cutoff Road Multi-Use Path. \$30,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$106,666.00 Cost \$80,000.00 Fed. \$26,666.00 Local
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 3 (Continued)**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wilmington / New Hanover Co. U-5527B DIVISION	50077.1.F3, TAP-0332(050) 5th Avenue at the Dawson Street and Wooster Street Intersection. \$13,600.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$29,426.00 Cost \$23,541.00 Fed. \$5,885.00 Local
New Hanover Co. U-5527C DIVISION	50077.1.F4, TAP-0332(055) Middle Sound Greenway - Extension to Middle Sound Village. \$19,200.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$37,500.00 Cost \$30,000.00 Fed. \$7,500.00 Local
New Hanover Co. U-5527D DIVISION	50077.1.5, STPDA-0332(059) Harper Avenue from Dow Road to 6th Street. Funds are needed for preliminary engineering.	\$62,500.00 Cost \$50,000.00 Fed. \$12,500.00 Local

**NCDOT September 2016 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>
Smithfield/ Johnston Co. U-3334B DIVISION	34929.1.3, STP-1923(012) SR 1923 Extension (Booker Dairy Road) from SR 1003 (Buffalo Road) to US 301 (Brightleaf Boulevard). \$500,000.00 has previously been approved for preliminary engineering. Reduce funds. Project is now State funded.	-\$500,000.00 Cost -\$400,000.00 Fed. -\$100,000.00 State

**Safety**

Nash Co. / Wilson Co. SS-4904DT REGIONAL	44868.1.1, HSIP-0004(010) Nash County - NC 4 / 48 at structure #C316; Wilson County - SR 1163 (Downing Street) at structure #67. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
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**Project Mitigation**

Nash Co. B-4939WM DIVISION	40170.4.1, BRZ-1433(004) Replace Bridge #156 over Basket Creek on SR 1433. \$29,893.00 has previously been approved for project mitigation. Funds will not be needed, WBS 40170.4.1 will be closed.	-\$29,893.00 Cost -\$23,914.00 Fed. -\$5,979.00 State
Nash Co. B-5124WM STATEWIDE	42270.4.1, BRSTP-0301(025) Replace Bridges #85, #141 and #151 over Swift Creek on US 301. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$593,816.00 Cost \$475,053.00 Fed. \$118,763.00 State



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

**Division 5**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Durham Co. I-5729 STATEWIDE	52007.3.1, NHPP-0085(013) I-85 - US 15 / US 501 to east of SR 1827 (Midland Terrace Road) in Durham. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published July 19, 2016.	\$8,300,000.00 Cost \$6,640,000.00 Fed. \$1,660,000.00 State
Raleigh/ Wake Co. I-5710 STATEWIDE	50125.3.1, NHPP-0540(030) Westbound ramps along I-540 at SR 1839 (Leesville Road) to NC 50 (Creedmoor Road), SR 1005 (Six Forks Road) and SR 2000 (Falls of the Neuse Road) in Raleigh. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on July 19, 2016.	\$2,100,000.00 Cost \$1,680,000.00 Fed. \$420,000.00 State

**Surface Transportation**

Wake Co. R-2814C STATEWIDE/ REGIONAL/ DIVISION	34506.2.FRU7, STP-0401(249) US 401 from NC 96 to SR 1103 (Fleming Road). \$880,000.00 has previously been approved for utilities. Additional funds are requested.	\$3,500,000.00 Cost \$2,800,000.00 Fed. \$700,000.00 State
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**Congestion Mitigation**

Morrisville/ Wake Co. C-5168 EXEMPT	46233.3.1, CMS-0517(006) Crabtree Creek Greenway. \$2,363,488.00 has previously been approved for construction. Additional funds are requested.	\$738,590.00 Cost \$590,872.00 Fed. \$147,718.00 Local
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5 (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. C-5600I EXEMPT	50061.3.10, CMAQ-0505(074) US 1 Cary-Apex ITS Project. Funds are needed for construction.	\$1,230,000.00 Cost \$984,000.00 Fed. \$246,000.00 Local

**Urban**

Wake Co. / Holly Springs U-5318 DIVISION	45431.3.1, STPDA-0501(006) Stephens's Grove Boulevard - SR 1101 (Piney Grove/Wilbon Road) and SR 1114 (Ralph Stephens Road). \$5,200,000.00 has previously been approved for construction. Additional funds are requested.	\$3,400,548.00 Cost \$1,700,274.00 Fed. \$1,700,274.00 Local
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**Safety**

Franklin Co. SS-4905DR DIVISION	44899.1.1, HSIP-1229(017) Install high visibility crosswalks and improve the curb ramps as needed on SR 1229 (North Main Street) between College Street and Clifton Street. Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State
Granville Co. SS-4905DM STATEWIDE	44903.1.1, HSIP-0158(064) US 158 (Oxford Loop Road) at US 15, NC 96 and US 158 Business (Roxboro Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

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

**Division 5 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. SS-4905DO DIVISION	44902.1.1, HSIP-1390(003) SR 1390 (Optimist Farm Road) near Talicud Trail. Funds are needed for preliminary engineering.	\$1,000.00 Cost \$900.00 Fed. \$100.00 State
Wake Co. SS-4905DP DIVISION	44901.1.1, HSIP-2026(002) SR 2026 (Person Street) at SR 4363 (Martin Luther King Jr. Boulevard). Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State
Wake Co. SS-4905DQ DIVISION	44900.1.1, HSIP-2000(011) SR 2000 (Old Falls of Neuse Road) at Wakefield Plantation / Wakefalls Drive. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Wake Co. W-5601CR REGIONAL	50138.2.97, HSIP-0070(194) US 70 Business at SR 2555 (Raynor Road / Auburn-Knightdale Road). Funds are needed for full right of way and utilities.	\$75,000.00 Cost \$67,500.00 Fed. \$7,500.00 State

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

**Division 5 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Durham Co. W-5601E REGIONAL	50138.3.6, HSIP-0157(006) NC 157 (Guess Road) at North Pointe Drive / Albany Street. Funds are needed for construction for safety improvements.	\$76,000.00 Cost \$68,400.00 Fed. \$7,600.00 State
Wake Co. W-5601EN REGIONAL	50138.3.145, HSIP-0050(016) NC 50 (Benson Road) at SR 1010 (Ten Ten Road). Funds are needed for construction for safety improvements.	\$15,000.00 Cost \$13,500.00 Fed. \$1,500.00 State
Wake Co. W-5601FC DIVISION	50138.1.160, HSIP-1657(003) SR 1657 (Nowell Road) at SR 5808 (Hillsborough Street). \$12,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$22,000.00 Cost \$19,800.00 Fed. \$2,200.00 State
Wake Co. W-5601HZ STATEWIDE	50138.3.235, HSIP-000S(855) Various National Highway System (NHS) routes in Division 5 (Wake and Durham Counties). Funds are needed for construction for guardrail end unit upgrades.	\$270,000.00 Cost \$243,000.00 Fed. \$27,000.00 State

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

**Division 5 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. W-5705A STATEWIDE	44851.3.1, HSIP-0040(049) I-40, I-495, US 64 / 264. Funds are needed for construction for safety improvements.	\$730,000.00 Cost \$657,000.00 Fed. \$73,000.00 State

**Rail Program**

Granville Co. Y-4805IA DIVISION	40325.1.F73, STPRR-0523(004) Railway-Higway Grade Crossing Safety Project - Proposed Crossing Closure at the intersection of Tally-Ho Road and the Norfolk Southern Railway tracks; Crossing #734 895A; and SR 1134 (Ortho Mangum Road) at the Norfolk Southern Railway Crossing #734 900U. \$210,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$125,194.00 Cost \$112,675.00 Fed. \$12,519.00 State
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**Project Mitigation**

Franklin Co. B-4748WM DIVISION	38520.4.1, BRZ-1147(010) Replace Bridge #2 over Horse Creek on SR 1147. \$47,852.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38520.4.1 will be closed.	-\$47,852.00 Cost -\$38,282.00 Fed. -\$9,570.00 State
Franklin Co. B-4749WM DIVISION	38521.4.1, BRZ-1200(005) Replace Bridge #27 over Middle Creek on SR 1200. \$27,206.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38521.4.1 will be closed.	-\$27,206.00 Cost -\$21,765.00 Fed. -\$5,441.00 State

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

**Division 5 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Person Co. B-4785WM DIVISION	38556.4.1, BRZ-1142(007) Replace Bridge #24 over the North Flat River on SR 1142. \$10,048.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38556.4.1 will be closed.	-\$10,048.00 Cost -\$8,038.00 Fed. -\$2,010.00 State
Wake Co. B-4659WM DIVISION	38456.4.1, BRZ-1393(003) Replace Bridge #373 over Bassal Creek on SR 1393. \$45,505.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38456.4.1 will be closed.	-\$45,505.00 Cost -\$36,404.00 Fed. -\$9,101.00 State
Wake Co. B-4663WM DIVISION	38458.4.1, BRZ-2507(001) Replace Bridge #225 over Mark's Creek on SR 2507. \$23,536.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38458.4.1 will be closed.	-\$23,536.00 Cost -\$18,828.00 Fed. -\$4,708.00 State
Warren Co. I-0914WM STATEWIDE	38688.4.1, IMS-085-4(126)214 I-85 from US 158 in Vance County to Virginia State Line. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$132,210.00 Cost \$105,768.00 Fed. \$26,442.00 State

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

**Division 6**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Fayetteville/ Cumberland Co. U-4405 DIVISION	39049.2.1, STPDA-0401(230) US 401 (Raeford Road) from west of Hampton Oaks Drive to east of Fairway Drive in Fayetteville. Funds are needed for full right of way and utilities.	\$32,625,000.00 Cost \$26,100,000.00 Fed. \$6,525,000.00 State

**Safety**

Bladen Co. W-5601ER REGIONAL	50138.3.149, HSIP-0211(039) NC 211 at NC 242. Construction funds are needed for safety improvements.	\$28,000.00 Cost \$25,200.00 Fed. \$2,800.00 State
Cumberland Co. SS-4906CQ  REGIONAL	44898.1.1, HSIP-0401(278) US 401 (Ramsey Street) at Summerchase Drive. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Cumberland Co. SS-4906CR REGIONAL	44897.1.1, HSIP-0013(063) US 13 curve at SR 1818 (Bud Geddie Road). Funds are needed for preliminary engineering.	\$1,000.00 Cost \$900.00 Fed. \$100.00 State

**NCDOT September 2016 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. SS-4906CS REGIONAL	44896.1.1, HSIP-0094(041) I-95 Business / US 301 from SR 1728 (Middle Road) to I-95. Funds are needed for preliminary engineering.	\$65,000.00 Cost \$58,500.00 Fed. \$6,500.00 State
Cumberland Co. W-5601AG REGIONAL	50138.3.34, HSIP-0053(017) NC 53 (Cedar Creek Road) from west of I-95 to east of I-95. Construction funds are needed for safety improvements.	\$2,200,000.00 Cost \$1,980,000.00 Fed. \$220,000.00 State
Robeson Co. W-5601GZ STATEWIDE	50138.3.209, HSIP-0095(042) I-95 pavement marking / marker improvements. Construction funds are needed for safety improvements.	\$720,000.00 Cost \$648,000.00 Fed. \$72,000.00 State

**Project Mitigation**

Bladen Co. B-5117WM REGIONAL	42258.4.1, BRSTP-0210(019) Replace Bridge #47 over Lake Creek on NC 210. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$29,904.00 Cost \$23,923.00 Fed. \$5,981.00 State
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 6 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cumberland Co. R-2303WM STATEWIDE	34416.4.1, NHS-0024(025) NC 24 from west of SR 1006 (Clinton Road) in Cumberland County to I-40 near Warsaw in Duplin County. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$4,470,524.00 Cost \$3,576,419.00 Fed. \$894,105.00 State

**Rural**

Cumberland Co. X-0002F STATEWIDE	35196.3.17, NHP-0295(003) NC 295 from All American Expressway Interchange to I-95 Interchange. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on July 19, 2016.	\$2,000,000.00 Cost \$1,600,000.00 Fed. \$400,000.00 State
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**NCDOT September 2016 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 Co. I-5734A STATEWIDE	52010.3.2, NHPIM-0040(043) Bridge #384 over NC 68 on I-40. Funds are needed for construction for bridge preservation.	\$2,000,000.00 Cost \$1,600,000.00 Fed. \$400,000.00 State
Greensboro/ Guilford Co. I-5854 STATEWIDE	53058.3.1, NHPIM-0085(9)123 I-85 from 0.3 mile north of Business 85 to SR 3300 (Elm-Eugene Street) in Greensboro. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on July 19, 2016.	\$3,390,000.00 Cost \$2,712,000.00 Fed. \$678,000.00 State

**Urban**

Greensboro/ Guilford Co. U-2524D STATEWIDE	34820.3.30, NHF-0708(053) Greensboro Western Loop from US 220 (Battleground Avenue) to SR 2303 (Lawndale Drive). \$60,100,000.00 has previously been approved for construction. Additional construction funds are requested.	\$15,500,000.00 Cost \$12,400,000.00 Fed. \$3,100,000.00 State
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**Safety**

Caswell Co. SS-4907BR REGIONAL	44895.1.1, HSIP-0086(020) NC 86 at SR 1300 (Park Springs Road) north of Yanceyville. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Guilford Co. SS-4907BT DIVISION	44893.1.1, HSIP-1001(065) Laurel Bluff Train (Greenway) Crossing with SR 1001 (North Church Street), intersection of Reedy Fork Trail (Greenway) crossing with SR 1001. Funds are needed for preliminary engineering.	\$2,500.00 Cost \$2,250.00 Fed. \$250.00 State

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

**Division 7 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Orange Co. SS-4907BS REGIONAL	44894.1.1, HSIP-0070(201) US 70 at SR 1114 (Buckhorn Road) east of Mebane. Funds are needed for preliminary engineering.	\$7,000.00 Cost \$6,300.00 Fed. \$700.00 State
Orange Co. W-5707A DIVISION	44853.1.1, HSIP-2048(007) SR 2048 (South Road) at Raleigh Street; SR 2048 (South Road) at Country Club Road, SR 1902 (Manning Drive) at Paul Hardin Drive, and SR 1902 (Manning Drive) at Ridge Road / Skipper Bowles Road. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
<b>Project Mitigation</b>		
Alamance Co. B-4401WM DIVISION	33681.4.1, BRZ-1124(005) Replace Bridge #161 over North Prong Stinking Quarter Creek on SR 1124. \$6,308.00 has previously been approved for project mitigation. Funds will not be needed, WBS 33681.4.1 will be closed.	-\$6,308.00 Cost -\$5,046.00 Fed. -\$1,262.00 State
Alamance Co. B-4953WM DIVISION	40078.4.1, BRZ-1912(002) Replace Bridge #64 over Quaker Creek on SR 1912. \$21,152.00 has previously been approved for project mitigation. Funds will not be needed, WBS 40078.4.1 will be closed.	-\$21,152.00 Cost -\$16,922.00 Fed. -\$4,230.00 State

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

**Division 7 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. B-4756WM DIVISION	38528.4.1, BRZ-2128(001) Replace Bridge #120 over Reedy Creek on SR 2128. \$6,686.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38528.4.1 will be closed.	-\$6,686.00 Cost -\$5,349.00 Fed. -\$1,337.00 State
Guilford Co. B-4757WM DIVISION	38529.4.1, BRZ-2795(002) Replace Bridge #175 over Buffalo Creek on SR 2795. \$56,420.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38529.4.1 will be closed.	-\$56,420.00 Cost -\$45,136.00 Fed. -\$11,284.00 State
Guilford Co. B-4758WM DIVISION	38530.4.1, BRZ-2824(005) Replace Bridge #159 over North Buffalo Creek on SR 2824. \$6,826.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38530.4.1 will be closed.	-\$6,826.00 Cost -\$5,461.00 Fed. -\$1,365.00 State
Guilford Co. I-5110WM STATEWIDE	42345.4.1, NHF-0073(025) I-73 from NC 68 to Greensboro Western Loop Freeway on new location. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program. <b>This is a Strategic Transportation Investments Transition project.</b>	\$220,740.00 Cost \$176,592.00 Fed. \$44,148.00 State

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

**Division 7 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. U-3615WM DIVISION	34962.4.1, STP-1820(008) SR 1003 / SR 1820 (Skeet Club Boulevard) from US 311 to NC 68 (EastChester Drive). Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$771,970.00 Cost \$617,576.00 Fed. \$154,394.00 State
Rockingham Co. B-4803WM DIVISION	38573.4.1, BRZ-1925(002) Replace Bridge #97 over Wolf Island Creek on SR 1925. \$74,100.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38573.4.1 will be closed.	-\$74,100.00 Cost -\$59,280.00 Fed. -\$14,820.00 State

**Rural**

Caswell Co. R-5767 REGIONAL	44669.3.1, STP-0086(019) NC 86 from SR 1503 (Walter's Mill Road). \$388,000.00 has previously been approved for construction. Additional funds are requested.	\$150,000.00 Cost \$120,000.00 Fed. \$30,000.00 State
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 8**

**Enhancement**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Pinehurst/ Moore Co. ER-5600HC DIVISION	46305.3.21, STP-0829(007) The Pinehurst Traffic Circle for Fall 2016 and Spring 2017. Funds are needed for construction for annual planting.	\$49,000.00 Cost \$39,200.00 Fed. \$9,800.00 State

**Bridge**

Randolph Co. B-5739 DIVISION	45695.2.1, BRZ-2621(004) Replace Bridge #170 over Reed Creek on SR 2621. Funds are needed for full right of way and utilities.	\$30,000.00 Cost \$24,000.00 Fed. \$6,000.00 State
Randolph Co. B-5763 DIVISION	45719.2.1, BRZ-2407(001) Replace Bridge #129 over a Branch of Sandy Creek on SR 2407. Funds are needed for full right of way and utilities.	\$25,000.00 Cost \$20,000.00 Fed. \$5,000.00 State

**Safety**

Chatham Co. W-5601IC STATEWIDE	50138.3.238, HSIP-000S(856) Various National Highway System (NHS) routes in Division 8 (Lee, Chatham, Moore, Richmond, Randolph, and Scotland Counties). Funds are needed for construction for guardrail end unit upgrades.	\$240,000.00 Cost \$216,000.00 Fed. \$24,000.00 State
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**NCDOT September 2016 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>
Chatham Co. W-5601ID STATEWIDE	50138.3.239, HSIP-000S(857) Various National Highway System (NHS) routes in Division 8 (Lee, Chatham, Moore, Richmond, Randolph, Scotland and Hoke Counties). Funds are needed for construction for guardrail end unit upgrades.	\$238,000.00 Cost \$214,200.00 Fed. \$23,800.00 State
Montgomery Co. SS-4908BD STATEWIDE	44890.1.1, HSIP-000S(861) Replace guardrail end units at various National Highway System (NHS) routes in Montgomery and Richmond counties. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Montgomery Co. W-5601IB STATEWIDE	50138.3.237, HSIP-0073(045) I-73 / 74 Pavement Marking Improvements. Construction funds are needed for safety improvements.	\$314,000.00 Cost \$282,600.00 Fed. \$31,400.00 State
Randolph Co. W-5601EK REGIONAL	50138.2.142, HSIP-0311(034) US 311 from SR 1524 (Beckerdite Road) to SR 1525 (Beeson Farm Road). Funds are needed for full right of way and utilities.	\$160,000.00 Cost \$144,000.00 Fed. \$16,000.00 State

**NCDOT September 2016 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>
Randolph Co. W-5601HJ DIVISION	50138.3.219, HSIP-000S(850) Pavement markings improvements at various locations. Construction funds are needed for safety improvements.	\$1,480,000.00 Cost \$1,332,000.00 Fed. \$148,000.00 State
Randolph Co. W-5601HV REGIONAL	50138.2.231, HSIP-0042(070) NC 42 near SR 2895 (Moffit Mill Road). Funds are needed for full right of way and utilities.	\$300,000.00 Cost \$270,000.00 Fed. \$30,000.00 State
Richmond Co. SS-4908BC DIVISION	44891.1.1, HSIP-1900(006) SR 1900 (Battley Dairy Road) at SR1966 (Airport Road). Funds are needed for preliminary engineering.	\$1,000.00 Cost \$900.00 Fed. \$100.00 State
Richmond Co. W-5601IA STATEWIDE	50138.3.236, HSIP-0073(046) I-73 / 74 in Richmond, Montgomery and Randolph Counties. Construction funds are needed for safety improvements.	\$332,000.00 Cost \$298,800.00 Fed. \$33,200.00 State



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

**Division 8 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Chatham Co. B-4730WM DIVISION	38503.4.1, BRZ-1549(006) Replace Bridge #108 over Terrell Creek on SR 1549. \$7,894.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38503.4.1 will be closed.	-\$7,894.00 Cost -\$6,315.00 Fed. -\$1,579.00 State
Hoke Co. B-5127WM REGIONAL	42285.4.1, BRSTP-0211(024) Replace Bridge #4 over Raft Swamp on NC 211. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$41,297.00 Cost \$33,038.00 Fed. \$8,259.00 State
Randolph Co. B-5114WM DIVISION	42252.4.1, BRZ-1619(005) Replace Bridge #136 over US 29 / 70 / I-85 Business on SR 1619 in High Point. \$85,800.00 has previously been approved for project mitigation. Funds will not be needed, WBS 42252.4.1 will be closed.	-\$85,800.00 Cost -\$68,640.00 Fed. -\$17,160.00 State
Richmond Co. R-2501WM STATEWIDE	34437.4.1, NHF-0001(001) US 1 from South Carolina State Line to SR 1104. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$35,601.00 Cost \$28,480.00 Fed. \$7,121.00 State

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

**Division 8 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Scotland Co. B-4816WM REGIONAL	38586.4.1, BRSTP-0015(022) Replace Bridge #65 over Juniper Creek on US 15-501. \$73,337.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38586.4.1 will be closed.	-\$73,337.00 Cost -\$58,670.00 Fed. -\$14,667.00 State

**High Priority**

Richmond Co. R-3421A STATEWIDE	34542.2.6, HPPF-0220(030) US 220 Bypass from US 74 Bypass west of Rockingham at SR 1109 (Zion Church Road) Interchange to south of SR 1140 (Old Charlotte Highway). \$6,836,468.00 has previously been approved for utilities. Additional funds are requested.	\$1,000,000.00 Cost \$800,000.00 Fed. \$200,000.00 State
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**Bicycle and Pedestrian**

Biscoe/ Montgomery Co. EB-5760 DIVISION	50437.1.F1, TAP-0220(079) Construct a multi-use path along US 220 Business at Eastern Montgomery Middle School Greenway from Montgomery Middle and High Schools to Arthur Drive in Biscoe. Funds are needed for preliminary engineering.	\$60,000.00 Cost \$48,000.00 Fed. \$12,000.00 Local
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 9**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Rowan Co. I-5505 STATEWIDE	49012.1.1, IMS-085-2(74)76 I-85 from US 52 (Innes Street) and US 601 (Jake Alexander Boulevard) Interchanges. \$80,000.00 has previously been approved for preliminary engineering. Reduce funds. Project is now State funded.	-\$80,000.00 Cost -\$72,000.00 Fed. -\$8,000.00 State

**Enhancement**

Forsyth Co. ER-5600IB REGIONAL	46305.3.20, STP-0918(106) US 311 and I-40 on Union Road. Funds are needed for construction for landscaping.	\$225,000.00 Cost \$180,000.00 Fed. \$45,000.00 State
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**Urban**

Forsyth Co. U-2827B REGIONAL	34872.2.4, NHP-0421(087) Replace Bridges #178, #269, #278, #286, #288, #291, #293, #305, #312, #313, #336, US 421 / US 158 / US 421 / NC 150 / Business 40, west of Fourth Street to east of Church Street (Combined with C-5620A: Business 40 multi-use path). Initial funds are needed for right of way. <b>This is a Design-Build Project.</b>	\$15,652,000.00 Cost \$12,521,600.00 Fed. \$3,130,400.00 State
Forsyth Co. U-2827B EXEMPT	34872.3.4, NHP-0421(087) Replace Bridges #178, #269, #278, #286, #288, #291, #293, #305, #312, #313, #336, US 421 / US 158 / US 421 / NC 150 / Business 40, west of Fourth Street to east of Church Street (Combined with C-5620A: Business 40 multi-use path). \$102,700,000.00 has previously been approved for construction. Additional funds are needed for construction based on combining the two projects. <b>This is a Design-Build Project.</b>	\$1,866,926.00 Cost \$1,493,541.00 Fed. \$373,385.00 Local

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

**Division 9 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Davidson Co. SS-4909BS DIVISION	44887.1.1, HSIP-1147(015) SR 1147 (Old Salisbury Road) at I-85 Business (Southbound Ramps) / SR 1232 (Odell Owen Road). Funds are needed for preliminary engineering.	\$3,500.00 Cost \$3,150.00 Fed. \$350.00 State
Divisionwide W-5601IH REGIONAL	50138.3.243, HSIP-000S(859) Pavement marking improvements on multiple routes in Division 9. Construction funds are needed for safety improvements.	\$500,000.00 Cost \$450,000.00 Fed. \$50,000.00 State
Forsyth Co. SS-4909BR DIVISION	44888.1.1, HSIP-1120(015) SR 1120 (Clemmons Road / Stafford Village Boulevard) at SR 3011 (Old Salisbury Road). Funds are needed for preliminary engineering.	\$2,500.00 Cost \$2,250.00 Fed. \$250.00 State
Stokes Co. SS-4909BQ DIVISION	44889.1.1, HSIP-1134(008) SR 1134 (William Fowler Road) at culvert (stream crossing) and ravine (drop off) located in the vicinity of milepost 0.20. Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State

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

**Division 9 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Davidson Co. B-4740WM DIVISION	38513.4.1, BRZ-1194(009) Replace Bridge #7 over Dykers Creek on SR 1194. \$37,050.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38513.4.1 will be closed.	-\$37,050.00 Cost -\$29,640.00 Fed. -\$7,410.00 State
Davidson Co. B-4741WM DIVISION	38514.4.1, BRZ-1493(002) Replace Bridge #38 over Muddy Creek on SR 1493. \$54,600.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38514.4.1 will be closed.	-\$54,600.00 Cost -\$43,680.00 Fed. -\$10,920.00 State
Forsyth Co. U-2800WM DIVISION	34858.4.1, STP-2601(005) SR 2601 from Industrial Park Drive to SR 1005 (Old US 421) at I-40 Business. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$95,550.00 Cost \$76,440.00 Fed. \$19,110.00 State
Forsyth Co. U-2925WM DIVISION	34892.4.FD1, STP-0918(016) Salem Creek Connector from Salem Avenue to SR 4325 (Martin Luther King Drive). \$146,442.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$393,510.00 Cost \$314,808.00 Fed. \$78,702.00 State

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

**Division 9 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Rowan Co. W-5313WM DIVISION	46136.4.1, STP-1221(005) SR 1221 (Old Beatty Ford Road) from SR 1337 (Lentz Road) to SR 2335 (Lower Stone Church Road). Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$28,080.00 Cost \$22,464.00 Fed. \$5,616.00 State

**Bicycle and Pedestrian**

Rural Hall / Forsyth Co. U-4741OJ DIVISION	39745.2.F27, STPDA-0999(010) NC 65 (Runningbrook Lane to Norvasa Street). Funds are needed for full right of way.	\$66,000.00 Cost \$52,800.00 Fed. \$13,200.00 Local
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 10**

**National Highway**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. R-2123CE(L) STATEWIDE	34379.3.33, NHF-0485(046) I-485 (Charlotte Eastern Outer Loop) / I-85. Funds are needed for construction for Landscaping. <b>This is a Strategic Transportation Investments Transition project.</b>	\$321,252.00 Cost \$257,001.00 Fed. \$64,251.00 State

**Congestion Mitigation**

Kannapolis/ Cabarrus Co. C-4916C EXEMPT	44016.2.2, CMS-1034(009) Sidewalk along Oakwood Avenue around Shady Brook School. Funds are needed for full right of way.	\$61,000.00 Cost \$48,800.00 Fed. \$12,200.00 Local
Kannapolis/ Cabarrus Co. C-5161 EXEMPT	46226.1.F1, CMS-1034(020) Irish Buffalo Creek Greenway. \$232,000.00 has previously been approved for construction. Additional funds are requested.	\$38,331.00 Cost \$30,665.00 Fed. \$7,666.00 Local
Mecklenburg Co. C-5533 EXEMPT	45506.2.F1, CMS-1003(121) The intersection of SR 5469 (Shopton Road) and SR 1156 (Beam Road). Funds are needed for full right of way.	\$190,000.00 Cost \$129,200.00 Fed. \$60,800.00 Local

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

**Division 10 (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. C-5542 EXEMPT	51012.3.F1, CMS-1003(124) South Tryon Street from Queen Anne Drive to Nations Ford Road. Construction funds are needed for a sidewalk.	\$790,000.00 Cost \$395,000.00 Fed. \$395,000.00 Local
Gaston Co./ Mecklenburg Co. C-5600G EXEMPT	50061.3.8, CMAQ-1229(016) I-85 Gaston-Mecklenburg Counties Intelligent Transportation System Project. Funds are needed for construction for Intelligent Transportation System Project.	\$900,000.00 Cost \$720,000.00 Fed. \$180,000.00 State

**Safety**

Cabarrus Co. SS-4910CK DIVISION	44884.1.1, HSIP-1305(012) SR 1305 (Pitts School Road) in the vicinity of Morris Glen Drive in Concord. Funds are needed for preliminary engineering.	\$16,000.00 Cost \$14,400.00 Fed. \$1,600.00 State
Cabarrus Co. W-5601CW DIVISION	50138.3.102, HSIP-0049(034) NC 49 and SR 1309 (Stough Road). Construction funds are needed for safety improvements.	\$350,000.00 Cost \$315,000.00 Fed. \$35,000.00 State



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

**Division 10 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. SS-4910CL STATEWIDE	44882.1.1, HSIP-0085(028) I-85 Northbound Ramp to I-77 Northbound. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Mecklenburg Co. W-5601BI STATEWIDE	50138.3.62, HSIP-0485(038) I-485 Inner Loop off-ramp to NC 49 (North Troy Street) in Charlotte. Construction funds are needed for safety improvements.	\$400,000.00 Cost \$360,000.00 Fed. \$40,000.00 State
Mecklenburg Co. W-5601IK STATEWIDE	50138.1.246, HSIP-0485(045) I-485 Outer Loop Ramp at NC 16 in Charlotte. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Union Co. SS-4910CI DIVISION	44886.1.1, HSIP-1501(020) SR 1501 (Secret Shortcut Road) at the Burger King driveway in Monroe. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State

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

**Division 10 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Union Co. W-5601BK REGIONAL	50138.2.64, HSIP-0200(004) NC 200 (Lancaster) and SR 1117 (Providence Road South). Funds are needed for full right of way.	\$150,000.00 Cost \$135,000.00 Fed. \$15,000.00 State

**Rail Program**

Mecklenburg Co. Z-5400JF DIVISION	43600.1.FD52, STPRR-1003(138) Highway Grade Crossing Safety Project at the intersection of SR 1784 (Rozzelles Ferry Road) and the CSX Transportation Tracks: Crossing #631 797X in Charlotte. \$16,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$11,000.00 Cost \$9,900.00 Fed. \$1,100.00 State
Mecklenburg Co. Z-5400JF DIVISION	43600.3.FD52, STPRR-1003(139) Highway Grade Crossing Safety Project at the intersection of SR 1784 (Rozzelles Ferry Road) and the CSX Transportation Tracks; Crossing #631 797X in Charlotte. Construction funds are needed for safety improvements.	\$185,000.00 Cost \$166,500.00 Fed. \$18,500.00 State

**Municipal Bridge**

Union Co. M-0414JA DIVISION	42080.1.123, BRZ-NBIS(013) Municipal Bridge Inspection - 2 bridges within the Municipality of Waxhaw. Funds are needed for preliminary engineering.	\$5,814.00 Cost \$4,651.00 Fed. \$1,163.00 Local
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 10 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. I-5405WM STATEWIDE	45454.4.1, NHF-077-1(229)9 I-77 construct a pedestrian culvert on Torrence Creek. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$144,300.00 Cost \$115,440.00 Fed. \$28,860.00 State

**Bicycle and Pedestrian**

Concord/ Cabarrus Co. EB-5732 DIVISION	51055.1.1, TAP-1004(063) Bruton Smith Boulevard / Concord Mills Boulevard and portions of Weddington Road from US 29 to Weddington Road. Funds are needed for preliminary engineering.	\$240,656.00 Cost \$240,656.00 Fed.
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 11**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Surry Co. I-5801 STATEWIDE	50444.3.1, NHPP-0077(004) I-77 from 1.2 miles north of US 21 to 0.4 mile north of SR 1136 (Ebenezer Church Road). Funds are needed for construction for pavement rehabilitation.	\$850,000.00 Cost \$680,000.00 Fed. \$170,000.00 State
Surry Co. I-5802 STATEWIDE	50445.3.1, NHPP-0077(005) I-77 from SR 1131 (Fax Welborn Road) to 1 mile north of SR 1131 (Fax Welborn Road). Construction funds are needed for pavement rehabilitation.	\$800,000.00 Cost \$640,000.00 Fed. \$160,000.00 State
<b>Safety</b>		
Surry Co. SS-4911AO DIVISION	44881.1.1, HSIP-1700(021) SR 1700 (Green Hill Road) in the curve near Hazel Court. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Surry Co. W-5601AV REGIONAL	50138.3.49, HSIP-0052(050) US 52 Business / NC 89 (Renfro Street) and NC 103 / SR 2432 (Pine Street). Funds are needed for construction for safety improvements.	\$140,000.00 Cost \$126,000.00 Fed. \$14,000.00 State

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

**Division 11 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Watauga Co. SS-4911AP DIVISION	44880.1.1, HSIP-1117(016) SR 1117 (Mast Gap Road). Funds are needed for preliminary engineering.	\$2,500.00 Cost \$2,250.00 Fed. \$250.00 State

**Project Mitigation**

Alleghany Co. R-3101WM REGIONAL	37044.4.FR1, STP-0021(014) US 21 from SR 1100 (Oklahoma Road) to SR 1121 (Pine Swamp Road). \$482,799.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program. <b>This is a Strategic Transportation Investments Transition project.</b>	\$1,344,233.00 Cost \$1,075,386.00 Fed. \$268,847.00 State
Caldwell Co. B-5138WM REGIONAL	42299.4.FR1, BRSTP-321A(003) Replace Bridge #6 over Little Gunpowder Creek on US 321A. \$16,980.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$46,800.00 Cost \$37,440.00 Fed. \$9,360.00 State
Watauga Co. R-2915WM STATEWIDE	34518.4.1, HPPSTP-0221(013) US 421 in Watauga County to US 221 Business / NC 88 in Jefferson. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program. <b>This is a Strategic Transportation Investments Transition project.</b>	\$3,667,993.00 Cost \$2,934,394.00 Fed. \$733,599.00 State

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

**Division 12**

**Surface Transportation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Catawba Co. R-5113 DIVISION	42364.1.FD2, STP-1005(037) SR 1005 (Startown Road) from US 70 to NC 10. \$500,000.00 has previously been approved for preliminary engineering. Reduce Funds. Project is now State funded.	-\$500,000.00 Cost -\$400,000.00 Fed. -\$100,000.00 State

**Congestion Mitigation**

Hickory/ Catawba Co. C-5196 EXEMPT	46248.1.F1, CMS-1143(012) 16th Street (Sandy Ridge Road) at 29th Avenue NE and 21st Street Avenue NE. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$8,000.00 Fed. \$2,000.00 Local
Mooreville/ Iredell Co. C-5529 EXEMPT	51043.2.F1, CMS-1226(018) Intersection of NC 115 and Faith Road Campus Lane in Mooreville, realign Faith Road to tie into existing NC 115 / Campus Lane intersection and construct dedicated turn lanes on Faith Road and Campus Lane approaches to the intersection. Funds are needed for full right of way and utilities.	\$109,000.00 Cost \$81,750.00 Fed. \$27,250.00 Local
Mooreville/ Iredell Co. C-5701 EXEMPT	46446.2.1, CMS-0801(012) Intersection of NC 801 / 150. Funds are needed for full right of way and utilities.	\$500,719.00 Cost \$395,568.00 Fed. \$105,151.00 Local

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

**Division 12 (Continued)**

**Rail Program**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Gaston Co. Z-5400LF DIVISION	43600.3.61, RR-2466(001) Railway-Highway Grade Crossing Safety Project. SR 2466 (Garrison Boulevard) at Norfolk Southern Railway Tracks; Crossing #729 950M in Gastonia. Construction funds are needed for safety improvements.	\$270,000.00 Cost \$243,000.00 Fed. \$27,000.00 State
Iredell Co. Z-5400LH DIVISION	43600.3.75, RR-1226(021) Railway-Highway Grade Crossing Safety Project on Penske Way at Norfolk Southern Railway Tracks; Crossing #721 616P near Mooresville. Construction funds are needed for safety improvements.	\$279,000.00 Cost \$251,100.00 Fed. \$27,900.00 State

**Project Mitigation**

Catawba Co. B-5150WM DIVISION	42311.4.1, BRZ-1404(013) Replace Bridge #34 over Falling Creek on SR 1404. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$53,820.00 Cost \$43,056.00 Fed. \$10,764.00 State
Iredell Co. K-4908WM STATEWIDE	39894.4.1, IMS-77-1(177)39 New Rest Area pair Iredell County (Lake Norman) and Iredell / Yadkin County Line. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program. <b>This is a Strategic Transportation Investments Transition project.</b>	\$147,420.00 Cost \$117,936.00 Fed. \$29,484.00 State

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

**Division 13**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Madison Co. I-5753 STATEWIDE	52031.3.1, NHPP-0026(008) I-26 from the Tennessee State Line to Tributary of Little Creek. Funds are needed for construction for pavement rehabilitation.	\$400,000.00 Cost \$320,000.00 Fed. \$80,000.00 State
Buncombe Co. I-5750 STATEWIDE	52028.3.1, NHPP-0040(025) I-40 from 0.2 mile east of US 25 (Hendersonville Road) to 0.2 mile east of SR 3075 (Onteora Boulevard). Funds are needed for construction for bridge rehabilitation.	\$4,000,000.00 Cost \$3,200,000.00 Fed. \$800,000.00 State

**Surface Transportation**

Buncombe Co. U-4739 DIVISION	39741.1.FD1, STP-3556(002) SR 3556 (Amboy Road / Meadow Road) from I-240 to US 25 (Biltmore Avenue). \$600,000.00 has previously been approved for preliminary engineering. Reduce Funds. Project is now State funded.	-\$600,000.00 Cost -\$480,000.00 Fed. -\$120,000.00 State
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**Appalachian**

Madison Co. R-5779 EXEMPT	44834.1.1, APD-1631(004) SR 1631 (Crossroads Parkway) to SR 1632 in Madison County. Funds are needed for preliminary engineering.	\$250,000.00 Cost \$250,000.00 Fed.
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 13 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Buncombe Co. SS-4913CG REGIONAL	44879.1.1, HSIP-0151(016) NC 151 from SR 3452 to Railroad Bridge #292, just south of US 19 / 23. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Buncombe Co. SS-4913CJ DIVISION	44874.1.1, HSIP-1338(005) SR 1338 (Emma Road) at SR 1333 (Hazel Mill Road) / Westside Drive near Asheville. Funds are needed for preliminary engineering.	\$7,000.00 Cost \$6,300.00 Fed. \$700.00 State
Burke Co. SS-4913CI REGIONAL	44875.1.1, HSIP-0070(202) US 70 from near SR 1138 eastward to Allen Street in Glen Alpine. Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State
McDowell Co. SS-4913CH STATEWIDE	44878.1.1, HSIP-0221(048) US 221 at Railroad Overpass Bridge #R129 (MP 30.394) near Little Switzerland. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

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

**Division 13 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Buncombe Co. B-4715WM DIVISION	38489.4.1, BRZ-2797(001) Replace Bridge #655 over the Broad River on SR 2797. \$48,360.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38489.4.1 will be closed.	-\$48,360.00 Cost -\$38,688.00 Fed. -\$9,672.00 State
Buncombe Co. B-5167WM DIVISION	42324.4.FD1, BRSTP-2806(001) Replace Bridge #108 over Upper Flat Creek on SR 2806. \$22,641.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$60,840.00 Cost \$48,672.00 Fed. \$12,168.00 State
Buncombe Co. B-5396WM DIVISION	46111.4.1, BRZ-1103(024) Replace Bridge #416 over Stony Fork Creek on SR 1103. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$95,550.00 Cost \$76,440.00 Fed. \$19,110.00 State

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

**Division 14**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Haywood Co. SS-4914CP REGIONAL	44872.1.1, HSIP-0019(052) US 19 from Jackson County Line to a point 1.5 miles east, near Maggie Valley. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Haywood Co. SS-4914CR DIVISION	44870.1.1, HSIP-1513(008) SR 1513 (Thickety Road) from SR 1550 (Incinerator Road) to SR 1552 (Calrton Corzine) near Canton. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Henderson Co. W-5601FP STATEWIDE	50138.3.173, HSIP-0026(009) I-26 / US 74 / US 64 / US 25 and NC 280 in Henderson and Polk Counties. Construction funds are needed for safety improvements.	\$250,000.00 Cost \$225,000.00 Fed. \$25,000.00 State
Jackson Co. SS-4914CO DIVISION	44873.1.1, HSIP-1367(004) SR 1367 (Little Savannah Road) between SR 1552 and Tiger Lilly Court. Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State

**NCDOT September 2016 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>
Jackson Co. SS-4914CS STATEWIDE	44869.1.1, HSIP-0074(191) US 74 eastbound curve just prior to Exit 85 near Sylva. Funds are needed for preliminary engineering.	\$4,000.00 Cost \$3,600.00 Fed. \$400.00 State
Polk Co. SS-4914CQ DIVISION	44871.1.1, HSIP-1137(009) SR 1137 (Golden Road) from milepost 6.034 to milepost 6.534 near Columbus. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Transylvania Co. W-5601DU REGIONAL	50138.3.125, HSIP-0276(016) US 276 from the South Carolina State Line to SR 1118 (Gallimore Road), near Brevard. Construction funds are needed for safety improvements.	\$500,000.00 Cost \$450,000.00 Fed. \$50,000.00 State

**Project Mitigation**

Clay Co. B-4734WM DIVISION	38507.4.1, BRZ-1300(008) Replace Bridge #9 over Iver Tusquitee Creek on SR 1300. \$31,980.00 has previously been approved for project mitigation. Funds will not be needed, WBS 38507.4.1 will be closed.	-\$31,980.00 Cost -\$25,584.00 Fed. -\$6,396.00 State
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**NCDOT September 2016 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 14 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Haywood Co. K-5002WM STATEWIDE	41534.4.FS1, NHS-0023(018) US 23 / US 74 Southbound Rest Area on new location. \$11,037.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program. <b>This is a Strategic Transportation Investments Transition project.</b>	\$3,172,712.00 Cost \$2,538,170.00 Fed. \$634,542.00 State
Haywood Co. R-4047WM REGIONAL	34599.4.FR2, STP-0209(006) NC 209 from US 23 Business to north of SR 1523 (Old Clyde Road). \$61,411.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program. <b>This is a Strategic Transportation Investments Transition project.</b>	\$169,260.00 Cost \$135,408.00 Fed. \$33,852.00 State
Henderson Co. B-5149WM DIVISION	42310.4.FD1, BRZ-1574(003) Replace Bridge #38 over Clear Creek on SR 1574. \$775.00 has previously been approved for project mitigation. Additional funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$2,848.00 Cost \$2,278.00 Fed. \$570.00 State
Jackson Co. B-5404WM DIVISION	46119.4.1, BRZ-1163(010) Replace Bridge #136 over Pine Creek on SR 1163. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$51,201.00 Cost \$40,960.00 Fed. \$10,241.00 State

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

**Division 14 (Continued)**

**Project Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Macon Co. B-3868WM DIVISION	33313.4.1, BRZ-1456(006) Replace Bridge #172 over Little Tennessee River on SR 1456. \$349,440.00 has previously been approved for project mitigation. Funds will not be needed, WBS 33313.4.1 will be closed.	-\$349,440.00 Cost -\$279,552.00 Fed. -\$69,888.00 State
Transylvania Co. B-4288WM DIVISION	33627.4.1, BRZ-1107(009) Replace Bridge #85 over East Fork French Broad River on SR 1107. \$50,700.00 has previously been approved for project mitigation. Funds will not be needed, WBS 33627.4.1 will be closed.	-\$50,700.00 Cost -\$40,560.00 Fed. -\$10,140.00 State
Transylvania Co. B-5403WM DIVISION	46118.4.1, BRZ-1532(005) Replace Bridge #196 over Crab Creek on SR 1532. Funds are needed to cover charges for mitigation expenses provided by the Ecosystem Enhancement Program.	\$17,160.00 Cost \$13,728.00 Fed. \$3,432.00 State

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

**Statewide**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Statewide	50061.3.11, CMAQ-000S(852)	\$1,835,403.00	Cost
C-5600J	Rebuild two additional Cab Control Units (CCU's) for Piedmont	\$1,468,322.00	Fed.
REGIONAL	Passenger Rail Service. Funds are needed for construction to rebuild two Cab Control Units.	\$367,081.00	State

**Planning and Research**

Statewide	50141.1.3, OJT-00JT(020)	\$400,000.00	Cost
M-0478C	FY 2016 On-The-Job Training. Funds are needed for Training.	\$400,000.00	Fed.
STATEWIDE			
Statewide	47520.4.6, ASAP-FY16(002)	\$15,000.00	Cost
NO ID	Accelerating Safety Activities Program (ASAP) 2016. Funds are	\$15,000.00	Fed.
EXEMPT	needed for FY 2016 allocation.		

**ITEM M SUMMARY - 181 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$128,247,633.00**

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

## REVISIONS TO THE 2016-2025 STIP

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 1**

* R-5781	VARIOUS, DIVISION 1 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
BERTIE	ALTERNATIVES PROGRAM.			\$340,000	
CAMDEN	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
CHOWAN	<u>PROGRAMMED.</u>				
CURRITUCK					
DARE					
GATES					
HERTFORD					
HYDE					
MARTIN					
NORTHAMPTON					
PASQUOTANK					
PERQUIMANS					
TYRRELL					
WASHINGTON					
PROJ.CATEGORY					
DIVISION					

**DIVISION 2**

* R-5782	VARIOUS, DIVISION 2 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
BEAUFORT	ALTERNATIVES PROGRAM.			\$340,000	
CARTERET	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
CRAVEN	<u>PROGRAMMED.</u>				
GREENE					
JONES					
LENOIR					
PAMLICO					
PITT					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

Thursday, September 08, 2016



## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS**DIVISION 3**

* R-5783	VARIOUS, DIVISION 3 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
BRUNSWICK	ALTERNATIVES PROGRAM.			\$340,000	
DUPLIN	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
NEW HANOVER	<u>PROGRAMMED.</u>				
ONslow					
PENDER					
SAMPSON					
PROJ.CATEGORY					
DIVISION					

**DIVISION 4**

P-5711	CSX A LINE, CONSTRUCT FREIGHT RAIL AND				
EDGEcombe	INTERMODAL TERMINAL INFRASTRUCTURE (CCX)				
NASH	ALONG NATIONAL GATEWAY CORRIDOR.				
PROJ.CATEGORY	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>				
STATEWIDE	<u>STUDY ONLY.</u>				

* R-5784	VARIOUS, DIVISION 4 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
EDGEcombe	ALTERNATIVES PROGRAM.			\$340,000	
HALIFAX	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
JOHNSTON	<u>PROGRAMMED.</u>				
NASH					
WAYNE					
WILSON					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

Thursday, September 08, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS**DIVISION 5**

* R-5785	VARIOUS, DIVISION 5 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
DURHAM	ALTERNATIVES PROGRAM.			\$340,000	
FRANKLIN	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
GRANVILLE	<u>PROGRAMMED.</u>				
PERSON					
VANCE					
WAKE					
WARREN					
PROJ.CATEGORY					
DIVISION					

**DIVISION 6**

* R-5786	VARIOUS, DIVISION 6 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
BLADEN	ALTERNATIVES PROGRAM.			\$340,000	
COLUMBUS	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
CUMBERLAND	<u>PROGRAMMED.</u>				
HARNETT					
ROBESON					
PROJ.CATEGORY					
DIVISION					

**DIVISION 7**

* R-5787	VARIOUS, DIVISION 7 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
ALAMANCE	ALTERNATIVES PROGRAM.			\$340,000	
CASWELL	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
GUILFORD	<u>PROGRAMMED.</u>				
ORANGE					
ROCKINGHAM					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

Thursday, September 08, 2016

## REVISIONS TO THE 2016-2025 STIP

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 8**

* R-5788	VARIOUS, DIVISION 8 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
CHATHAM	ALTERNATIVES PROGRAM.			\$340,000	
HOKE	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
LEE	<u>PROGRAMMED.</u>				
MONTGOMERY					
MOORE					
RANDOLPH					
RICHMOND					
SCOTLAND					
PROJ.CATEGORY					
DIVISION					

**DIVISION 9**

* R-5789	VARIOUS, DIVISION 9 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
DAVIDSON	ALTERNATIVES PROGRAM.			\$340,000	
DAVIE	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
FORSYTH	<u>PROGRAMMED.</u>				
ROWAN					
STOKES					
PROJ.CATEGORY					
DIVISION					

**DIVISION 10**

* R-5790	VARIOUS, DIVISION 10 TRANSPORTATION	CONSTRUCTION	FY 2016 -	\$340,000	(TAP)
ANSON	ALTERNATIVES PROGRAM.			\$340,000	
CABARRUS	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
MECKLENBURG	<u>PROGRAMMED.</u>				
STANLY					
UNION					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

Thursday, September 08, 2016

## REVISIONS TO THE 2016-2025 STIP

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 11**

* R-5791	VARIOUS, DIVISION 11 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
ALLEGHANY	ALTERNATIVES PROGRAM.			\$340,000	
ASHE	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
AVERY	<u>PROGRAMMED.</u>				
CALDWELL					
SURRY					
WATAUGA					
WILKES					
YADKIN					
PROJ.CATEGORY					
DIVISION					

**DIVISION 12**

* R-5792	VARIOUS, DIVISION 12 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
ALEXANDER	ALTERNATIVES PROGRAM.			\$340,000	
CATAWBA	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
CLEVELAND	<u>PROGRAMMED.</u>				
GASTON					
IREDELL					
LINCOLN					
PROJ.CATEGORY					
DIVISION					

**DIVISION 13**

* R-5793	VARIOUS, DIVISION 13 TRANSPORTATION	CONSTRUCTION	FY 2016 -	<u>\$340,000</u>	(TAP)
BUNCOMBE	ALTERNATIVES PROGRAM.			\$340,000	
BURKE	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
MADISON	<u>PROGRAMMED.</u>				
MCDOWELL					
MITCHELL					
RUTHERFORD					
YANCEY					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

Thursday, September 08, 2016

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP ADDITIONS

## DIVISION 14

* R-5780	SR 1345 (NORTH MILLS RIVER RD), NC 280 TO END OF	ENGINEERING	FY 2016 -	\$4,000	(FLAP)
HENDERSON	PAVEMENT. RESURFACE.		FY 2016 -	\$1,000	(S(M))
PROJ.CATEGORY	<u>ADD ENGINEERING IN FY 16 AND CONSTRUCTION IN</u>	CONSTRUCTION	FY 2017 -	\$463,000	(FLAP)
EXEMPT	<u>FY 17 NOT PREVIOUSLY PROGRAMMED. THIS IS A</u>		FY 2017 -	\$116,000	(S(M))
	<u>FEDERAL LANDS ACCESS PROGRAM (FLAP)</u>				
	<u>PROJECT.</u>			\$584,000	

* R-5794	VARIOUS, DIVISION 14 TRANSPORTATION	CONSTRUCTION	FY 2016 -	\$340,000	(TAP)
CHEROKEE	ALTERNATIVES PROGRAM.			\$340,000	
CLAY	<u>ADD CONSTRUCTION IN FY 16 NOT PREVIOUSLY</u>				
GRAHAM	<u>PROGRAMMED.</u>				
HAYWOOD					
HENDERSON					
JACKSON					
MACON					
POLK					
SWAIN					
TRANSYLVANIA					
PROJ.CATEGORY					
DIVISION					

## STATEWIDE

* B-9000DIV	BRIDGE INSPECTION PROGRAM.	IMPLEMENTATIO	FY 2017 -	\$3,300,000	(STBG)
STATEWIDE	<u>THIS PROJECT WILL REPLACE B-9999DIV.</u>		FY 2018 -	\$3,300,000	(STBG)
PROJ.CATEGORY			FY 2019 -	\$3,300,000	(STBG)
DIVISION			FY 2020 -	\$3,300,000	(STBG)
				\$13,200,000	

* B-9000REG	BRIDGE INSPECTION PROGRAM	IMPLEMENTATIO	FY 2017 -	\$3,300,000	(STBG)
STATEWIDE	<u>THIS PROJECT WILL REPLACE B-9999REG.</u>		FY 2018 -	\$3,300,000	(STBG)
PROJ.CATEGORY			FY 2019 -	\$3,300,000	(STBG)
REGIONAL			FY 2020 -	\$3,300,000	(STBG)
				\$13,200,000	

\* INDICATES FEDERAL AMENDMENT

Thursday, September 08, 2016

## REVISIONS TO THE 2016-2025 STIP

## HIGHWAY PROGRAM

## STIP ADDITIONS

## STATEWIDE

* B-9000SW	BRIDGE INSPECTION PROGRAM	IMPLEMENTATIO	FY 2017 -	\$4,400,000	(STBG)
STATEWIDE	<u>THIS PROJECT WILL REPLACE B-9999SW.</u>		FY 2018 -	\$4,400,000	(STBG)
PROJ.CATEGORY			FY 2019 -	\$4,400,000	(STBG)
STATEWIDE			FY 2020 -	\$4,400,000	(STBG)
				<u>\$17,600,000</u>	

## STIP MODIFICATIONS

## DIVISION 3

EB-5543	SR 1403 (MIDDLE SOUND LOOP ROAD), OGDEN	CONSTRUCTION	FY 2017 -	\$165,000	(DP)
NEW HANOVER	ELEMENTARY SCHOOL TO SR 1986 (OYSTER DRIVE).		FY 2017 -	\$41,000	(L)
PROJ.CATEGORY	CONSTRUCT MULTI-USE PATH.			<u>\$206,000</u>	
TRANSITION	<u>TO ALLOW ADDITIONAL TIME FOR RIGHT OF WAY ACQUISITION, DELAY CONSTRUCTION FROM FY 16 TO FY 17.</u>				

U-4751A	LENDIRE ROAD, LENDIRE ROAD, WEST OF US 17	CONSTRUCTION	FY 2017 -	\$1,000,000	(T)
NEW HANOVER	BUSINESS (MARKET STREET) TO US 17 BUSINESS			<u>\$1,000,000</u>	
PROJ.CATEGORY	(MARKET STREET)/SR 1403 (MIDDLE SOUND LOOP				
STATEWIDE	ROAD). REALIGN ROADWAY.				
	<u>TO ALLOW ADDITIONAL TIME FOR UTILITY RELOCATIONS, DELAY CONSTRUCTION FROM FY 16 TO FY 17.</u>				

## DIVISION 4

* I-5111REG	I-40, WAKE COUNTY LINE TO NC 42	RIGHT-OF-WAY	FY 2018 -	\$15,000,000	(NHP)
JOHNSTON	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	CONSTRUCTION	FY 2018 -	\$9,990,000	(NHP)
PROJ.CATEGORY	<u>THRESHOLDS</u>		FY 2019 -	\$9,990,000	(NHP)
REGIONAL			FY 2020 -	\$9,990,000	(NHP)
			FY 2021 -	\$9,990,000	(NHP)
				<u>\$54,960,000</u>	

## DIVISION 5

C-5527	SR 1229 (SOUTH MAIN STREET), EXISTING SIDEWALK	CONSTRUCTION	FY 2017 -	\$473,000	(CMAQ)
FRANKLIN	TO NC 56 WEST IN LOUISBURG. CONSTRUCT		FY 2017 -	\$118,000	(L)
PROJ.CATEGORY	SIDEWALK.			<u>\$591,000</u>	
EXEMPT	<u>AT THE REQUEST OF THE TOWN FOR ADDITIONAL TIME TO COMPLETE THE R/W PHASE, DELAY CONSTRUCTION FROM FY 16 TO FY 17</u>				

\* INDICATES FEDERAL AMENDMENT

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 5

* I-5111SW	I-40, I-440 / US 64 (EXIT 301) TO JOHNSTON COUNTY	RIGHT-OF-WAY	FY 2018 -	\$20,000,000	(NHP)
WAKE	LINE	CONSTRUCTION	FY 2018 -	\$45,510,000	(NHP)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>		FY 2019 -	\$45,510,000	(NHP)
STATEWIDE	<u>THRESHOLDS</u>		FY 2020 -	\$45,510,000	(NHP)
			FY 2021 -	\$45,510,000	(NHP)
				\$202,040,000	
* U-4727	VARIOUS, DURHAM-CHAPEL HILL-CARRBORO	PLANNING	FY 2016 -	\$1,666,000	(STBGDA)
CHATHAM	METROPOLITAN PLANNING ORGANIZATION		FY 2016 -	\$417,000	(L)
DURHAM	(DCHCMPO) PLANNING ALLOCATION AND UNIFIED		FY 2017 -	\$1,873,000	(STBGDA)
ORANGE	WORK PROGRAM.		FY 2017 -	\$468,000	(L)
PROJ.CATEGORY	<u>ADD PLANNING FUNDS IN FY 16 AND FY 17 NOT</u>			\$4,424,000	
DIVISION	<u>PREVIOUSLY PROGRAMMED AT THE REQUEST OF</u>				
	<u>MPO.</u>				
U-5317	NORTH JUDD PARKWAY, NC 55 (NORTH BROAD	RIGHT-OF-WAY	FY 2017 -	\$2,950,000	(STBGDA)
WAKE	STREET) TO NC 42 (WEST ACADEMY STREET) IN		FY 2017 -	\$2,600,000	(L)
PROJ.CATEGORY	FUQUAY-VARINA, WAKE COUNTY. MULTILANE	UTILITIES	FY 2017 -	\$650,000	(L)
DIVISION	FACILITY ON NEW LOCATION.	CONSTRUCTION	FY 2018 -	\$18,800,000	(L)
	<u>TO ALLOW TIME TO COMPLETE THE DESIGN PHASE,</u>			\$25,000,000	
	<u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17.</u>				
* W-5522	SR 1656 (TRINITY ROAD), SR 1658 (YOUTH CENTER	RIGHT-OF-WAY	FY 2018 -	\$300,000	(HSIP)
WAKE	DRIVE) INTERSECTION IN RALEIGH. CONSTRUCT	CONSTRUCTION	FY 2019 -	\$3,200,000	(HSIP)
PROJ.CATEGORY	PEDESTRIAN TUNNEL UNDER SR 1656 (TRINITY ROAD).			\$3,500,000	
DIVISION	<u>TO ALLOW TIME FOR STAKEHOLDER MEETINGS AND</u>				
	<u>OTHER PRECONSTRUCTION ACTIVITIES, AND TO</u>				
	<u>ACQUIRE R/W AND RELOCATE UTILITIES, ADD RIGHT-</u>				
	<u>OF-WAY IN FY 18 NOT PREVIOUSLY PROGRAMMED,</u>				
	<u>AND DELAY CONSTRUCTION FROM FY 17 TO FY 19</u>				
<b>DIVISION 6</b>					
EB-4539BC	CAPE FEAR RIVER GREENWAY IN FAYETTEVILLE,	CONSTRUCTION	FY 2017 -	\$600,000	(TAP)
CUMBERLAND	NORTH OF CSX RAIL LINE TO SOUTH OF CSX RAIL		FY 2017 -	\$150,000	(L)
PROJ.CATEGORY	LINE.			\$750,000	
TRANSITION	<u>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY</u>				
	<u>CONSTRUCTION FROM FY 16 TO FY 17.</u>				

\* INDICATES FEDERAL AMENDMENT

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 7

B-5351	US 29 / US 70 / BUSINESS 85, REPLACE BRIDGE 400237	RIGHT-OF-WAY	FY 2018 -	\$537,000	(HFB)
GUILFORD	AND BRIDGE 400242 OVER DEEP RIVER IN HIGH POINT.	CONSTRUCTION	FY 2019 -	<u>\$6,895,000</u>	(HFB)
PROJ.CATEGORY	<u>TO ALLOW TIME TO COMPLETE THE ENVIRONMENTAL</u>			\$7,432,000	
HWY FUNDS	<u>DOCUMENT, COMPLETE THE R/W PHASE AND</u>				
	<u>CONSTRUCTION PLANS, DELAY RIGHT-OF-WAY FROM</u>				
	<u>FY 17 TO FY 18, AND CONSTRUCTION FROM FY 18 TO</u>				
	<u>FY 19</u>				

* U-5864	SR 1595 / SR 4053, I-85 IN TRINITY TO TO SR 1961				
GUILFORD	(WEST MARKET CENTER DRIVE) IN HIGH POINT.				
RANDOLPH	WIDEN TO MULTILANES.				
PROJ.CATEGORY	<u>PROJECT EXPANDED TO INCORPORATE SCOPE OF U-</u>				
DIVISION	<u>5894 FOR PLANNING / ENVIRONMENTAL STUDY. SEE</u>				
	<u>PROJECT BREAKS BELOW FOR SCHEDULES AND</u>				
	<u>FUNDING.</u>				

* U-5864A	SR 1595 / SR 4053 (SURRETT DRIVE), I-85 IN TRINITY	RIGHT-OF-WAY	FY 2020 -	\$2,517,000	(T)
GUILFORD	TO TO SR 1300 (WEST FAIRFIELD ROAD) IN HIGH	UTILITIES	FY 2020 -	\$302,000	(T)
RANDOLPH	POINT. WIDEN TO MULTILANES.	CONSTRUCTION	FY 2022 -	<u>\$31,920,000</u>	(T)
PROJ.CATEGORY	<u>NEW BREAK ADDED TO REFLECT PRIOR SCOPE OF U-</u>			\$34,739,000	
DIVISION	<u>5864 WITH REVISED NORTHERN TERMINUS.</u>				

* U-5864B	SR 4053 (SURRETT DRIVE), SR 1300 (WEST FAIRFIELD	RIGHT-OF-WAY	FY 2023 -	\$1,066,000	(T)
GUILFORD	ROAD) TO SR 1961 (WEST MARKET CENTER DRIVE) IN	UTILITIES	FY 2023 -	\$128,000	(T)
PROJ.CATEGORY	HIGH POINT. WIDEN TO MULTILANES.	CONSTRUCTION	FY 2025 -	\$5,206,000	(T)
DIVISION	<u>NEW BREAK ADDED TO REFLECT PRIOR SCOPE OF U-</u>		FY 2026 -	\$5,206,000	(T)
	<u>5894 WITH REVISED SOUTHERN TERMINUS.</u>		FY 2027 -	\$5,206,000	(T)
				\$16,812,000	

## DIVISION 8

B-5741	SR 1425 (LEE'S MILL ROAD), REPLACE BRIDGE 820030	RIGHT-OF-WAY	FY 2017 -	\$60,000	(HFB)
SCOTLAND	OVER JUNIPER CREEK.	CONSTRUCTION	FY 2024 -	\$588,000	(HFB)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 23 TO FY 17</u>			\$648,000	
HWY FUNDS	<u>TO REFLECT EARLY COMPLETION OF DESIGN PHASE.</u>				

\* INDICATES FEDERAL AMENDMENT



## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 8

B-5744	SR 1615 (HASTY ROAD), REPLACE BRIDGE 820050	RIGHT-OF-WAY	FY 2017 -	\$145,000	(HFB)
SCOTLAND	OVER BRIDGE CREEK.	CONSTRUCTION	FY 2021 -	<u>\$1,450,000</u>	(HFB)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 17</u>			\$1,595,000	
HWY FUNDS	<u>TO REFLECT EARLY COMPLETION OF DESIGN PHASE.</u>				

B-5746	SR 1645 (DIXIE GUANO ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$60,000	(HFB)
SCOTLAND	820043 OVER LEITHS CREEK.	CONSTRUCTION	FY 2024 -	<u>\$575,000</u>	(HFB)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 23 TO FY 17</u>			\$635,000	
HWY FUNDS	<u>TO REFLECT EARLY COMPLETION OF DESIGN PHASE.</u>				

B-5749	SR 1421 (MCINTOSH ROAD), REPLACE BRIDGE 820036	RIGHT-OF-WAY	FY 2017 -	\$130,000	(HFB)
SCOTLAND	OVER BIG SHOE HEEL CREEK.	CONSTRUCTION	FY 2022 -	<u>\$1,300,000</u>	(HFB)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 21 TO FY 17</u>			\$1,430,000	
HWY FUNDS	<u>TO REFLECT EARLY COMPLETION OF DESIGN PHASE.</u>				

B-5755	SR 1406 (ROCKFISH ROAD), REPLACE BRIDGE 460057	RIGHT-OF-WAY	FY 2017 -	\$45,000	(T)
HOKE	OVER PUPPY CREEK.	CONSTRUCTION	FY 2023 -	<u>\$893,000</u>	(T)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 22 TO FY 17</u>			\$938,000	
DIVISION	<u>TO REFLECT EARLY COMPLETION OF DESIGN PHASE.</u>				

B-5928	SR 2614 (GRANTVILLE LANE), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2017 -	\$25,000	(HFB)
RANDOLPH	750175 OVER MILL CREEK.	UTILITIES	FY 2017 -	\$50,000	(HFB)
PROJ.CATEGORY	<u>ACCELERATE RIGHT-OF-WAY FROM FY 21 TO FY 17</u>	CONSTRUCTION	FY 2022 -	\$725,000	(HFB)
HWY FUNDS	<u>TO REFLECT EARLY COMPLETION OF DESIGN PHASE.</u>			\$800,000	

## DIVISION 9

B-5160	SR 1986 (MT. VERNON ROAD), REPLACE BRIDGE	CONSTRUCTION	FY 2017 -	<u>\$450,000</u>	(STPOFF)
ROWAN	790050 OVER NAILS BRANCH.			\$450,000	
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE R/W</u>				
DIVISION	<u>PHASE, DELAY CONSTRUCTION FROM FY 16 TO FY 17</u>				

\* INDICATES FEDERAL AMENDMENT

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 9

* C-5158	VARIOUS, CONSTRUCT SIDEWALKS ON KERN STREET,	RIGHT-OF-WAY	FY 2017 -	\$4,000	(CMAQ)
ROWAN	SALISBURY AVENUE, CROOK STREET, OAK STREET		FY 2017 -	\$1,000	(L)
PROJ.CATEGORY	AND BALFOUR QUARRY ROAD IN GRANITE QUARRY.	CONSTRUCTION	FY 2017 -	\$325,000	(CMAQ)
EXEMPT	<u>AT THE REQUEST OF THE TOWN FOR ADDITIONAL</u>		FY 2017 -	\$81,000	(L)
	<u>TIME, DELAY RIGHT-OF-WAY FROM FY 15 TO FY 17,</u>				
	<u>AND CONSTRUCTION FROM FY 16 TO FY 17</u>			\$411,000	

## DIVISION 10

* C-5536	CHARLOTTE, MECKLENBURG COUNTY AIR QUALITY -	IMPLEMENTATIO	FY 2017 -	\$500,000	(CMAQ)
CABARRUS	GRADE (GRANTS TO REPLACE AGING DIESEL		FY 2017 -	\$125,000	(L)
GASTON	ENGINES). REPLACE, REPOWER OR RETROFIT AGING			\$625,000	
IREDELL	DIESEL VEHICLES AND EQUIPMENT.				
LINCOLN	<u>ADD ADDITIONAL FUNDING IN FY 17 AT THE REQUEST</u>				
MECKLENBURG	<u>OF THE MPO.</u>				
ROWAN					
UNION					
PROJ.CATEGORY					
EXEMPT					

EB-5775	CORNELIUS, SOUTH PRONG ROCKY RIVER	CONSTRUCTION	FY 2017 -	\$840,000	(STBGDA)
MECKLENBURG	GREENWAY (SOUTH STREET - MAIN STREET).		FY 2017 -	\$210,000	(L)
PROJ.CATEGORY	CONSTRUCT GREENWAY.			\$1,050,000	
DIVISION	<u>INCREASE FUNDING FOR CONSTRUCTION BASED ON</u>				
	<u>A REQUEST FROM THE MPO.</u>				

EB-5781	CHARLOTTE, STEWART CREEK GREENWAY, STATE	CONSTRUCTION	FY 2018 -	\$1,090,000	(STBGDA)
MECKLENBURG	STREET TO ROZZELLES FERRY ROAD. CONSTRUCT		FY 2018 -	\$273,000	(L)
PROJ.CATEGORY	GREENWAY.			\$1,363,000	
DIVISION	<u>INCREASE FUNDING FOR CONSTRUCTION BASED ON</u>				
	<u>A REQUEST FROM THE MPO.</u>				

* EB-5782	CHARLOTTE, MCALPINE CREEK GREENWAY, GREEN	CONSTRUCTION	FY 2019 -	\$1,100,000	(STBGDA)
MECKLENBURG	REA ROAD TO JOHNSTON ROAD. CONSTRUCT		FY 2019 -	\$275,000	(L)
PROJ.CATEGORY	GREENWAY.			\$1,375,000	
DIVISION	<u>ACCELERATE CONSTRUCTION FROM FY 21 TO FY 19</u>				
	<u>AT THE REQUEST OF THE MPO.</u>				

\* INDICATES FEDERAL AMENDMENT

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## DIVISION 10

* EB-5784	CHARLOTTE, IRVINS CREEK GREENWAY, IDLEWILD	CONSTRUCTION	FY 2019 -	\$879,000	(STBGDA)
MECKLENBURG	ROAD TO LAKEVIEW CIRCLE. CONSTRUCT		FY 2019 -	<u>\$220,000</u>	(L)
PROJ.CATEGORY	GREENWAY.			\$1,099,000	
DIVISION	<u>ACCELERATE CONSTRUCTION FROM FY 21 TO FY 19</u>				
	<u>AT THE REQUEST OF THE MPO.</u>				

* EB-5785	HUNTERSVILLE, MCDOWELL CREEK GREENWAY,	CONSTRUCTION	FY 2018 -	\$1,600,000	(STBGDA)
MECKLENBURG	CHILGROVE LANE TO TORRENCE CREEK GREENWAY.		FY 2018 -	<u>\$400,000</u>	(L)
PROJ.CATEGORY	CONSTRUCT GREENWAY.			\$2,000,000	
DIVISION	<u>ACCELERATE CONSTRUCTION FROM FY 21 TO FY 18</u>				
	<u>AND ADJUST THE SOUTHERN PROJECT LIMIT FROM</u>				
	<u>SAM FURR ROAD TO CHILGROVE LANE AT THE</u>				
	<u>REQUEST OF THE MPO.</u>				

* EB-5786	MECKLENBURG COUNTY, LITTLE SUGAR CREEK	CONSTRUCTION	FY 2017 -	\$2,200,000	(STBGDA)
MECKLENBURG	GREENWAY EXTENSION, RAMBLEWOOD LANE IN		FY 2017 -	<u>\$550,000</u>	(L)
PROJ.CATEGORY	CHARLOTTE TO CADILLAC STREET IN PINEVILLE.			\$2,750,000	
DIVISION	CONSTRUCT GREENWAY.				
	<u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 17</u>				
	<u>AND ADJUST THE SOUTHERN PROJECT LIMIT FROM</u>				
	<u>BURNT MILL ROAD TO RAMBLEWOOD LANE AT THE</u>				
	<u>REQUEST OF THE MPO.</u>				

* U-5115	MATTHEWS MINT HILL, INTERSECTION OF NC 51 AND	RIGHT-OF-WAY	FY 2016 -	\$300,000	(STBGDA)
MECKLENBURG	IDLEWILD ROAD. CONSTRUCT INTERSECTION		FY 2016 -	\$75,000	(L)
PROJ.CATEGORY	IMPROVEMENTS.	CONSTRUCTION	FY 2017 -	\$1,200,000	(STBGDA)
TRANSITION	<u>ADD RIGHT-OF-WAY IN FY 16 NOT PREVIOUSLY</u>		FY 2017 -	<u>\$300,000</u>	(L)
	<u>PROGRAMMED AT THE REQUEST OF THE MPO.</u>			\$1,875,000	

U-5874	NORTH UNIVERSITY RESEARCH PARK I-85 OVERPASS,	CONSTRUCTION	FY 2017 -	\$7,400,000	(STBGDA)
MECKLENBURG	SR 2722 (LOUIS ROSE PLACE) TO DOUG MAYES		FY 2017 -	<u>\$1,850,000</u>	(L)
PROJ.CATEGORY	PLACE. CONSTRUCT NEW ROUTE.			\$9,250,000	
DIVISION	<u>INCREASE FUNDING FOR CONSTRUCTION BASED ON</u>				
	<u>A REQUEST FROM THE MPO.</u>				

## DIVISION 11

* EB-5806	LENOIR, HOSPITAL AVENUE, HARPER AVENUE TO US	ENGINEERING	FY 2016 -	\$240,000	(TAPDA)
CALDWELL	321 (BLOWING ROCK BOULEVARD). CONSTRUCT		FY 2016 -	\$60,000	(L)
PROJ.CATEGORY	SIDEWALK.	RIGHT-OF-WAY	FY 2017 -	\$40,000	(TAPDA)
DIVISION	<u>ADD PRELIMINARY ENGINEERING IN FY 16 AND RIGHT-</u>		FY 2017 -	\$10,000	(L)
	<u>OF-WAY IN FY 17. TOTAL FUNDING REMAINS THE</u>	CONSTRUCTION	FY 2019 -	\$520,000	(TAPDA)
	<u>SAME BECAUSE FUNDING FOR CONSTRUCTION WAS</u>		FY 2019 -	<u>\$130,000</u>	(L)
	<u>DECREASED. DELAY CONSTRUCTION FROM FY 16 TO</u>			\$1,000,000	
	<u>FY 19.</u>				

\* INDICATES FEDERAL AMENDMENT

## REVISIONS TO THE 2016-2025 STIP

HIGHWAY PROGRAM  
STIP MODIFICATIONS

## STATEWIDE

* C-5702B	NORTH CAROLINA CLEAN ENERGY TECHNOLOGY	OTHER	FY 2017 -	\$1,500,000	(CMAQ)
STATEWIDE	CENTER. EMISSIONS-REDUCING SUB-AWARDS IN ALL		FY 2017 -	<u>\$375,000</u>	(L)
PROJ.CATEGORY	CMAQ-ELIGIBLE COUNTIES.			\$1,875,000	
EXEMPT	<u>PROJECT BREAK ADDED AT REQUEST OF TRANSPORTATION PLANNING BRANCH.</u>				

* C-5702C	NORTH CAROLINA CLEAN ENERGY TECHNOLOGY	OTHER	FY 2018 -	\$1,500,000	(CMAQ)
STATEWIDE	CENTER. EMISSIONS-REDUCING SUB-AWARDS IN ALL		FY 2018 -	<u>\$375,000</u>	(L)
PROJ.CATEGORY	CMAQ-ELIGIBLE COUNTIES.			\$1,875,000	
EXEMPT	<u>PROJECT BREAK ADDED AT REQUEST OF TRANSPORTATION PLANNING BRANCH.</u>				

## STIP DELETIONS

## DIVISION 5

* C-5169	PARK-AND-RIDE LOT, NORTH CAROLINA STATE	CONSTRUCTION	FY 2016 -	\$277,446	(CMAQ)
WAKE	UNIVERSITY. CONSTRUCT PARKING LOT NEAR NC		FY 2016 -	<u>\$69,362</u>	(L)
PROJ.CATEGORY	STATE UNIVERSITY CENTENNIAL CAMPUS.			\$346,808	
EXEMPT	<u>AT THE REQUEST OF THE UNIVERSITY, AND DUE TO HIGHER THAN EXPECTED COST, PROJECT WAS DELETED</u>				

## DIVISION 7

* U-5894	SR 1595 (SURRETT DRIVE), SR 1592 (EDEN TERRACE)	RIGHT-OF-WAY	FY 2023 -	\$1,066,000	(T)
GUILFORD	TO SR 1961 (WEST MARKET CENTER DRIVE) IN HIGH	UTILITIES	FY 2023 -	\$128,000	(T)
RANDOLPH	POINT. WIDEN TO MULTILANES.	CONSTRUCTION	FY 2025 -	\$5,206,000	(T)
PROJ.CATEGORY	<u>PROJECT DELETED - WORK TO BE ACCOMPLISHED</u>		FY 2026 -	\$5,206,000	(T)
DIVISION	<u>UNDER U-5864.</u>		FY 2027 -	<u>\$5,206,000</u>	(T)
				\$16,812,000	

\* INDICATES FEDERAL AMENDMENT

## REVISIONS TO THE 2016-2025 STIP

## HIGHWAY PROGRAM

ITEM N SUMMARY

ADDITIONS	19	PROJECTS	\$49,344,000
MODIFICATIONS	33	PROJECTS	
DELETIONS	2	PROJECTS	\$17,158,808
	54	PROJECTS	\$32,185,192

\* INDICATES FEDERAL AMENDMENT

Thursday, September 08, 2016

NCDOT September 8, 2016 Board of Transportation Agenda

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

Statewide

U.S. Department of Agriculture  
Forest Service  
National Forests in North  
Carolina

This Cost Recovery Agreement is an Addendum to the Master Agreement between the parties covering processing and monitoring fees. Processing fees are for reviews, analysis, and evaluation of applications for the use and occupation of National Forest System lands. Monitoring fees are for the time needed to ensure compliance during construction within National Forest System lands. The Department will pay the fees on a project by project basis. This Supplemental Agreement is for the Department to participate in an additional amount of \$35,000 for a total estimated cost not to exceed \$285,000.

Division 4

CSX Transportation, Inc. (CSXT)  
Edgecombe County  
P-5711  
44908

This Rail Agreement is an Addendum to the Master Engineering Agreement between the parties covering the development and review of engineering plans for the proposed Carolina Connector intermodal project in Edgecombe County as related to line of road track. CSXT will design the track and signal plans and submit those plans to the Department for review and comment. CSXT will submit a cost estimate detailing the preliminary engineering work. The Department will reimburse CSXT 100% of the actual cost for the work performed on the plans, not to exceed the agreed upon cost estimate. The Department's share of cost for all preliminary engineering activities related to project P-5711 and conducted by the Department, CSXT and CSX Intermodal Terminals will not exceed \$10,000,000.

CSX Intermodal Terminals, Inc.  
(CSXIT)  
Edgecombe County  
P-5711  
44908

This Rail Agreement covers the development and review of engineering plans for the proposed Carolina Connector intermodal project in Edgecombe County as related to the facility. CSXIT will prepare the plans and submit those plans to the Department for review and comment. CSXIT will submit a cost estimate detailing the preliminary engineering work. The Department will reimburse CSXIT 100% of the actual cost for the work performed on the plans, not to exceed the agreed upon cost estimate. The Department's share of cost for all preliminary engineering activities related to project P-5711 and conducted by the Department, CSXT and CSX Intermodal Terminals will not exceed \$10,000,000.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 5

CSX Transportation, Inc. (CSX)  
Baranof Holdings Storage, LLC  
(Company)  
Wake County  
38257

This Rail Memorandum of Understanding between the parties provides for Baranof Holdings Storage, LLC to grant the Department and CSX a permanent easement over property the Company is acquiring. Said easement, to run from Capital Boulevard to the Department's Capital Yard, will provide CSX and the Department an alternate access to the Capital Yard facility. The Company is to develop plans for improvements to the acquired property boundary. The Department is to complete improvements on property boundary pursuant to plans provided by Baranof Holdings Storage, LLC. CSX is to transfer a portion of right-of-way to the Department. The total cost to the Department is not to exceed \$75,000.

National Railroad Passenger  
Corporation (Amtrak)  
Wake, Durham, Alamance, &  
Guilford Counties  
P-2918  
49999.3.STR24  
32162

This Rail Agreement covers the terms under Amtrak would implement Passenger Information Display System (PIDS) at the Cary, Burlington, and Durham stations. Amtrak's responsibilities shall include preparing construction documents; procuring the software, hardware and infrastructure; installation; and confirming integration of hardware and software with Amtrak's real time data system. The Department, utilizing federal ARRA funds, shall reimburse Amtrak 100% of the cost to procure, install, and integrate the PIDS. The estimated cost of the Amtrak PIDS scope is \$1,260,816. In addition, the Department, through state funds, shall reimburse Amtrak monthly operating costs estimated to be up to \$11,067.

City of Durham  
Durham County  
C-5572  
4601.3.F1

This Project consists of construction of Phase II of the northern section of the North/South Greenway Trail, the final stretch of the West Ellerbee Creek Trail in Durham. This Supplemental Agreement is to increase funding for the Project. The Department agrees to reimburse the Municipality an additional \$359,200 (80%) of Congestion Mitigation and Air Quality (CMAQ) funds. The Municipality will provide an additional amount of \$89,800 (20%) as their local match and all costs which exceed the total project estimated cost of \$1,801,000.

City of Durham  
Durham County  
EB-4707B  
38664.3.FD2

This Project consists of construction of bicycle lanes and sidewalks along Old Durham Chapel Hill Road. At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated cost is \$559,998.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 5, con't.

City of Durham  
Durham County  
W-5205V  
45335.3.23

This Project consists of construction of a roundabout at intersection of SR 1104 (Herndon Road) and SR 1106 (Barbee Road) in Durham. The Department is responsible for all phases of the work. The Municipality has requested additional work for which it will reimburse the Department. The estimated reimbursement is \$100,000.

Division 7

Norfolk Southern Railroad  
Company (NSR)  
North Carolina Railroad Company  
(NCRR)  
Alamance County  
U-3109A  
34900.3.GV2

This Rail Agreement covers NSR's preliminary engineering and flagging costs for work within operating railroad right-of-way of the NCRR located along US 70 in Mebane. Work will be between mileposts H 29.78 and H 29.91, and between mileposts H 30.08 and H 30.345. The Department will be responsible for all costs incurred by NSR. The estimated project cost is \$50,000.

Division 7 and 9

Piedmont Authority For Regional  
Transportation (PART)  
C-4936  
44036.3.1

This Program is for the implementation of a Regional Air Quality Awareness Program in Alamance, Caswell, Davidson, Davie, Forsyth, Guilford, Randolph and Rockingham Counties. This Supplemental Agreement is to update the agreement provide additional funding in the amount of \$182,660 (80%) from CMAQ funds. The PART shall provide \$45,665 (20%) as the non-federal match.

Division 8

CSX Transportation, Inc. (CSXT)  
Scotland County  
C-5600B  
50061

This Rail Agreement is an Addendum to the Master Engineering Agreement between the parties covering the development and review of track and signal plans for the proposed Dixie Siding project in Scotland County. The Department will design or cause to be designed the track and signal plans and submit those plans to CSXT and the Department for review and comment. CSXT will submit a cost estimate detailing related preliminary engineering work for this element of project C-5600B. The Department's costs for all preliminary engineering activities conducted by the Department and CSXT related to this improvement under project C-5600B will not exceed \$3,635,200.



NCDOT September 8, 2016 Board of Transportation Agenda

Division 9

City of Lexington  
Davidson County  
17BP.9.R.34

This Project consists of the replacement of Bridge No. 424 on SR 1243, including sidewalk at the interchange between Center Street and NC 8 in Lexington. This Supplemental Agreement is to include grooving on the sidewalk along East Center Street at the Talbert Street interchange. The new sidewalk shall be installed with a grooving which matches the existing sidewalk. The Municipality will reimburse the Department 100% of the actual cost of the work. The estimated cost is \$18,000.

Division 10

City of Wingate  
Union County  
R-3329/R-2559  
34533.5.TA9

This Project consists of highway improvements on US 74 Bypass from US 74 east of I-485 near Matthews and Stallings to US 74 east of Wingate and west of Marshville (Section 3A). At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated cost to the Municipality is \$30,203.28.

City of Monroe  
Union County  
R-3329/R-2559  
34533.5.TA9

This Project consists of highway improvements on US 74 Bypass from US 74 just east of I-485 near Matthews and Stallings to US 74 just east of Wingate and west of Marshville (Sections 2B and 2C). At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated cost to the Municipality is \$1,032,383.15.

City of Charlotte  
Mecklenburg County  
W-5601EC  
50138.1.131  
50138.2.131  
50138.3.131

This Project consists of the installation of a roundabout at the intersection of Moores Chapel Road (SR 1601) and Rhyne Road (SR 1609) and the installation of right turn lanes at the existing roundabouts on Moores Chapel Road (SR 1601) at both I-485 ramps. The Department is responsible for all phases of the Project. The estimated cost of the Project is \$1,475,000. The Municipality shall participate in the Preliminary Engineering costs in the amount of \$50,000.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 10, con't.

City of Charlotte  
Mecklenburg County  
U-5805  
44377.3.1

This Project consists of improvements at the intersection of Monroe Road (SR 1009) and Rama Road/Idlewild Road. The Municipality is 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 \$3,400,000. Costs which exceed this amount shall be borne by the Municipality.

Town of Cornelius  
Mecklenburg County  
EB-5010  
41124.3.FD1

This Project consists of construction of approximately 2.6 miles of greenway trail beginning at Bailey Road Park in Cornelius and ending at Caldwell Commons on US 21. This Supplemental Agreement is to provide additional funding in the amount of \$1,011,537 from STPDA funds. The Municipality shall provide \$252,884 as the non-federal match and all costs that exceed the total estimated cost of \$3,414,421.

Town of Cornelius  
Mecklenburg County  
EB-5775  
46417.2.1  
46417.3.1

This Project consists of the construction of the South Prong Rocky River Greenway. This Supplemental Agreement is to provide additional funding in the amount of \$119,000 (80%) from STP-DA funds. The Municipality shall provide \$29,750 (20%) as the non-federal match and all costs that exceed the total estimated cost of \$1,050,000.

Town of Cornelius  
Mecklenburg County  
EB-5817  
44837.1.1  
44837.3.1

This Project consists of the design and construction of the McDowell Creek Greenway between Magnolia Estates Drive at West Catawba Avenue and Westmoreland Road. The Municipality shall be responsible for all phases of the Project. The Department shall reimburse 50% of approved eligible costs from TAP funds, not to exceed \$1,200,000. The Municipality will be responsible for providing the 50% (\$1,200,000) non-federal match and all costs that exceed the total estimated cost of \$2,400,000.

Town of Waxhaw  
Union County  
EB-5819  
44839.1.1  
44839.3.1

This Project consists of the design and construction of pedestrian and bicycle facility enhancements to include bike parking, bike shelters, bike lockers, signals, sidewalk, pedestrian crossing beacons, and other improvements in accordance with the Town's Downtown Vision Plan, the Comprehensive Pedestrian Plan and the Parks, Recreation and Cultural Resources Masterplan. The Municipality is responsible for all phases of the Project. The Department shall reimburse 50% of approved eligible costs from TAP funds, not to exceed \$514,575. The Municipality will be responsible for providing the 50% (\$514,575) non-federal match and all costs that exceed the total estimated cost of \$1,029,150.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 10, con't.

Town of Huntersville  
Mecklenburg County  
U-5908  
46453.1.1

This Project consists of improvements on US 115 (Main Street) in Huntersville. This Agreement addresses the review and oversight of the Preliminary Engineering (PE) phase of the Project. The Department will use STP funds allocated to the Town for the Project and the Municipality will provide the non-federal match to the STP funds.

Centralina Council of  
Governments  
Mecklenburg County  
M-0512  
44843.10.12

This Project consists of the development of a Greater Charlotte Regional Freight Mobility Plan. The Agency will develop a partnership with area agencies to initiate the study. The Department will reimburse 100% of eligible costs with Federal SPR funds (\$168,408) and state match (\$42,102) up to a maximum amount of \$210,510.

Norfolk Southern Railroad  
Company (NSR)  
North Carolina Railroad Company  
(NCRR)  
Cabarrus County  
I-3802A  
36780.3.FS1

This Rail Agreement covers NSR's preliminary engineering and flagging costs for work within operating railroad right-of-way of the NCRR located along South Ridge Avenue in Concord. Work will be between mileposts 352.60 and 352.80, and between mileposts 352.92 and 352.93. The Department will be responsible for all costs incurred by NSR. The estimated project cost is \$50,000.

Division 12

City of Statesville  
Iredell County  
EB-5818  
44841.1.1  
44841.3.1

This Project consists of extension of an existing greenway from property owned by Duke Power west under US 21 (Turnersburg Highway) to the existing greenway at Pump Station Road. The Municipality is responsible for all phases of the Project. The Department shall reimburse 72% of approved eligible costs from TAP funds, not to exceed \$1,200,000. The Municipality will be responsible for providing the 28% (\$466,666) non-federal match and all costs that exceed the total estimated cost of \$1,666,666.

City of Gastonia  
Gaston County  
C-5562  
44109.1.1  
44109.3.FD1

This Project consists of constructing missing sidewalk links, crosswalks and bicycle facilities to provide a connection between downtown Gastonia and Lineberger Park. This Supplemental Agreement is to provide additional funding in the amount of \$75,000 (80%) from CMAQ funds. The Municipality shall provide \$18,750 (20%) as the non-federal match and all costs that exceed the total estimated costs.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 12, con't.

City of Gastonia  
Gaston County  
C-4934  
44034.1.1  
44034.2.1  
44034.3.1

This Project consists of traffic lane widening from a four-lane section to five-lane sections of New Hope Road (NC 279) from Burtonwood Drive to Garrison Boulevard (SR 2466). This Supplemental Agreement is to address the change in Project responsibilities. At the request of the Municipality, the Department shall administer the construction contract for the Project. The Department will utilize available CMAQ funds for 75% of the construction and inspection costs. The Municipality shall be responsible for the non-federal match (25%) and all costs that exceed the total estimated cost of \$5,844,175.

City of Hickory  
Catawba County  
51214.01C

This Project consists of the repair of the sinkhole at the intersection of US 70 and 7<sup>th</sup> Street Southeast in Hickory. The Department shall be responsible for the design and construction of the sinkhole repair. The Department shall provide \$1,000,000 towards the cost of the Project. The Municipality shall provide of \$2,200,000 and will share in costs that exceed the total estimated cost of \$3,200,000.

City of Mount Holly  
Gaston County  
U-3633  
37649.3.FR1

This Project consists of improvements on NC 273 (South Main Street) from Tuckaseegee Road at Beatty Drive to Highland Street at A & E Drive in Mount Holly. The Department shall prepare the environmental and/or planning document, 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 construction contract the construction of betterments including new sidewalk and powder-coated master arms and pedestrian pedestals. The estimated reimbursement from the Municipality is \$113,859.

Town of Mcadenville  
Gaston County  
17BP.12.R.13

This Project consists of the replacement of Gaston Bridge #8 with an arch culvert. It also includes the construction of sidewalk, curb and gutter, decorative railing, guardrail and resurfacing of SR 2209 (Weslyn Avenue) the southern approach of the bridge and up to the intersection of NC 7 on the Northern approach. The Department is responsible for all phases of the Project. The Department shall include provisions in its construction contract for the installation of decorative railing with light posts on all corners in lieu of standard guardrail. The Municipality shall reimburse the Department a lump sum amount for the betterments. The reimbursement from the Municipality is \$60,000.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 13

Blue Ridge Southern Railroad  
(BLU)  
Buncombe & Jackson Counties  
80000.1.4.31

This Rail Agreement supersedes part of the BLU Rail Freight Assistance Agreement agenda item that was approved at the May 5, 2016 Board of Transportation meeting. The Agreement has been modified to amend the counties of work from Buncombe, Haywood, and Jackson to Buncombe and Jackson, and reflects a decrease in the cost of the Department's participation from 50% or up to \$70,300.72, to 50% or up to \$55,696.69. The agreement's scope modification shall consist of the rehabilitation of six bridges, in lieu of eight bridges, on the BLU T line at mileposts T 11, 36.9, 38, 39.6, 40.1, and 44. All other provisions of the agreement approved at the May 5, 2016 Board of Transportation meeting shall remain the same.

Division 14

Eastern Federal Lands Highway  
Division (EFLHD)  
Henderson County  
R-5780

This Project consist of Resurfacing, Shoulder Improvements, and Paint Markings on SR 1345 (North Mills River Road) from NC 280 to the end of pavement. The project will be funded by \$477,144.40 in Federal Lands Access Program (FLAP) Funds. The Department shall provide the non-federal match of \$116,778.60 and all cost that exceed the total estimated Project Cost of \$593,893.

NCDOT September 8, 2016 Board of Transportation Agenda

SUMMARY: There are a total of 31 Agreements for informational purposes only.

STATEWIDE

North Carolina State University  
Statewide  
C-4902A  
44002.1.2

This project consists of the implementation and operation of the Clean Fuel Awareness Technology (CFAT) program by North Carolina State University. This Supplemental Agreement modifies the end date of the project and limits the funding available for reimbursement of educational and outreach activities.

Division 1

Town of Southern Shores  
Dare County  
44788

This Project consists of drainage improvements at the intersection of NC 12 and Dogwood Trail. The Municipality shall be responsible for all phases of the Project. The Department shall participate in actual construction costs in an amount not to exceed \$150,000. Costs which exceed this amount shall be borne by the Municipality.

Division 3

City of Wilmington  
New Hanover  
36249.3675

This Project consists of installation of traffic signals at two intersections along 10th Street and US 76 eastbound and US 76 westbound, and two intersections along 13th Street at US 76 eastbound and US 76 westbound (Wooster Street). The Municipality shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$10,000.

Brunswick County  
36249.3676

This Project consists of installation of a traffic signal at NC 87 (River Road SE) and Doshier Cutoff Road SE associated with the Smithville Park development and driveway. The County shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$5,000.

Bailey and Associates, Inc.  
New Hanover County  
36249.3680

This Project consists of installation of a traffic signal at US 74-76 (Eastwood Road) and SR 2782 (Wrightsville Avenue/Canal Street). The Developer shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$5,000.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 3, con't.

City of Clinton  
Sampson County  
44790

This Project consists of installation of curb & gutter, sidewalk, curb ramps, driveway aprons and catch basin at southwest corner of the intersection of SR 1855 (College Street.) and Eastover Avenue in Clinton. The Municipality shall be responsible for all phases of the Project. The Department shall participate in actual construction costs in an amount not to exceed \$27,000. Costs which exceed this amount shall be borne by the Municipality.

Division 5

Town of Rolesville  
Wake County

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

Generation II Carolina, LLC  
Wake County  
36249.3673

This Project consists of the installation of a new traffic signal at Sunset Lake Road and Products Road in Fuquay-Varina. The Developer shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$5,000.

Self Help Credit Union/Venture  
Fund  
Durham County  
36249.3674

This Project consists of modification of the existing traffic signal at the intersection of Holloway Street at N Hyde Park Avenue in Durham. The Developer shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$3,000.

Highland Falls North Carolina  
LLC  
Wake County  
36249.3679

This Project consists of a signal upgrade at the intersection of Vandora Springs Road and West Garner Road. The Developer shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$5,000.

Wake County Board of Education  
Wake County  
44925

This Project consists of road improvements SR 2707 (Bryan Road) as part of the Bryan Road Elementary School construction in Garner. The Agency is responsible for all phases of the Project. The Department shall participate in the actual construction costs up to a maximum amount of \$678,054. Costs which exceed this amount shall be borne by the Agency. Total estimated costs are \$2,178,054.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 6

Columbus Jobs Foundation  
Columbus County  
36249.3681

This Project consists of design, fabrication, and installation of directional signs for Southeast Regional Park on US 74/76 at both approaches of Exit 238. The Developer shall reimburse 100% of the actual cost of the Department's work. The estimated reimbursement is \$1,200.

Division 7

City of Greensboro  
EL-5101DO  
41823.2.FD17  
41823.3.FD17

This Project consists of constructing various phases of the Downtown Greenway in Greensboro. This Supplemental Agreement is to extend the completion date of the Project to January 28, 2018 in lieu of June 30, 2016.

City of Greensboro  
U-5306A  
47026.2.2  
47026.3.F2

This Project consists of improving intersection approaches to include access management and sidewalk construction on Battleground Avenue, Benjamin Parkway, and Cone Boulevard from Battleground Avenue to west of Patriot Court. This Supplemental Agreement is to extend the completion date of the Project to February 4, 2018 in lieu of January 31, 2016.

City of Greensboro  
U-5306C  
47026.2.FR4  
47026.3.FR4

This Project consists of improving intersection approaches to include access management and sidewalk construction on Battleground Ave and New Garden Road from to 750 feet east of Battleground Avenue. This Supplemental Agreement is to extend the completion date of the Project to November 9, 2018 in lieu of June 20, 2016.

Division 8

Town of Pittsboro  
Chatham County  
3608.3.07

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

City of Sanford  
Lee County  
3608.3.12

This Project consists of construction of sidewalk along SR 1514 (Bragg Street) and SR 1519 (Nash Street) and the addition of pedestrian signals at the intersections of Bragg Street and SR 1519, and Nash Street and SR 1521 (Kelly Drive) in Sanford. This Supplemental Agreement is to extend the completion date of the Project to December 30, 2016 in lieu of December 11, 2015.



NCDOT September 8, 2016 Board of Transportation Agenda

Division 9

GEMCAP Holdings LLC  
Forsyth County  
36249.3684

This Project consists of installation of a signal at SR 1627 (Hanes Mill Road) at US 52 northbound Ramp. The Developer shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$5,500.

City of Winston-Salem  
Forsyth County  
B-5007  
41111.1.1

This Project consists of preliminary engineering to replace Bridge Number 296 over the Norfolk Southern Railway. This Supplemental Agreement is to extend the completion date of the Project to September 30, 2020 in lieu of June 30, 2016.

Division 10

City of Charlotte  
Mecklenburg County  
10.106012

This Municipal Maintenance Agreement (Schedule A) is for the installation, repair and maintenance of traffic control devices. The Municipality shall install and maintain signs and supports on the State Highway System Streets located within the Municipality. The Department will reimburse the Municipality for the cost of signs and supports. The reimbursement to the Municipality for FY 2016-2017 is \$50,000.

City of Charlotte  
Mecklenburg County  
10.106012

This Municipal Maintenance Agreement (Schedule B) is for the Municipality to install and maintain pavement marking materials and pavement markers on the State Highway System Streets located within the Municipality. The Department will reimburse the Municipality for the cost of pavement markings and markers. The reimbursement to the Municipality for FY 2016-2017 is \$25,000.

Town of Fairview  
Union County  
44794

This Project consists of the construction of a left turn lane on US 601 at Fairview Park and extension of 30" reinforced pipe at the drive entrance. The Municipality shall be responsible for all phases of the Project. The Department shall participate in actual construction costs in an amount not to exceed \$185,000. Costs which exceed this amount shall be borne by the Municipality.

City of Charlotte  
Mecklenburg County  
M-0512  
44843.10.6

This Project consists of a feasibility study [FS-1610A] for improvements to the I-277 loop from the I-77/Brookshire Freeway Interchange to the I-77/Belk Freeway Interchange. The Department will be responsible for all phases of the Project. The Municipality shall participate in the costs of the Project in the amount of \$99,900.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 10, con't.

Town of Davidson  
Mecklenburg County  
50138.3.227

This Project consists of the extension of Kincaid Greenway from the west side of SR 2693 (Davidson-Concord Road) southward 50 feet before crossing to Davidson-Concord Road to include a crosswalk and pedestrian refuge island. At the request of the Municipality and in conjunction with the Project, the Department will install a Rectangular Rapid Flashing Beacon (RRFB) at the intersection of Davidson-Concord Road and Appolinaire Drive in Davidson. The Department shall provide \$20,000 towards the cost of the RRFB. The Municipality shall be responsible for any costs over \$20,000, and for maintenance of upon completion of the Project.

Division 11

Starbucks Coffee Company  
Watauga County  
36249.3682

This Project consists of modifying the existing traffic signal at the intersection of US 221/321 and Boone Heights Drive by adding the fourth leg opposite of Boone Heights Drive as well as phasing for eastbound and westbound left turn movements on Blowing Rock Road. The Developer will reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$5,000.

Division 12

D.R. Horton, Inc.  
Catawba County  
36249.3670

This Project consists of signal modifications of the signal located at the intersection of NC 150 and SR 1848 (Sherrills Ford Road). The Developer will reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$5,000.

Division 13

City of Morganton  
Burke County  
U-2550B  
34831.3.5

This Project consists of landscaping at the I-40 and NC 18 (South Sterling Street) Interchange, Exit 105. The Department shall develop the landscape design, prepare plans and site and install the plantings. The Municipality shall assume maintenance of the plantings after one year.

City of Morganton  
Burke County  
U-2551  
34832.3.2

This Project consists of landscaping at the I-40 and SR 1922 (Enola Road) Interchange, Exit 104. The Department shall develop the landscape design, prepare plans and site and install the plantings. The Municipality shall assume maintenance of the plantings after one year.

NCDOT September 8, 2016 Board of Transportation Agenda

Division 13, con't.

CIP Construction  
Buncombe County  
36249.3598

This Project consists of installation of a new traffic signal on US 25 (Hendersonville Road) and Ascot Point Circle. The Developer shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$7,500.

Ingles Markets, Inc.  
Burke County  
36249.3678

This Project consists of the installation of a traffic signal to include pedestrian accommodations at the intersection of US 70 (Carbon City Road) and the main entrance to Ingles Markets, Inc. The Developer shall reimburse 100% of the cost for the Department's review and inspection of the signal. The estimated reimbursement is \$7,500.

Division 14

Macon County  
36249.3677

This Project consists of an Asphalt Surface Treatment for Parker's Meadow greenway and parking lot access in Macon County. The Department shall be responsible for all phases of the Project. The Municipality shall reimburse the Department \$13,000 for the work performed by the Department.

**NCDOT September 2016 Board of Transportation Agenda**

**Approval of Municipal Street System Changes**

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

## NCDOT September 2016 Board of Transportation Agenda

<u>No.</u>		<u>Enacted Page No.</u>
1	Preliminary Right of Way Plans	R - 1 thru R - 3
2	Final Right of Way Plans	R - 4
3	Revisions of Final Right of Way Plans	R - 5
4	Advance Acquisition Approval for Highway Right of Way	R - 6
4	Approval of Conveyance of Highway Right of Way Residues	R - 7 & R - 8
5	Approval of Conveyance of Surplus Highway Right of Way	R - 9
6	Approval of Revision in Control of Access	R - 10

**Preliminary Right of Way Plans**

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

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

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

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

**(Division 3)**

**Onslow County; I.D. No. W-5203X; Project No. 45333.2.FS24:**

US 17 (New Bern Highway) and SR 1407 (Wolf Swamp Road) and SR 1326 (Drummer Kellum Road)

**(Division 4)**

**Johnston County; I.D. No. B-4770; Project No. 38542.2.1:**

Bridge No. 32 over Hannah Creek on SR 1185

**(Division 5)**

**Wake County; I.D. No. W-5601AB; Project No. 50138.2.29:**

NC 96 at NC 98, install a roundabout

**(Division 6)**

**Cumberland County; I.D. No. B-4950; Project No. 40108.2.1:**

Bridges No. 171 and 172 over South River on SR 1851/SR 1426

**Cumberland County; I.D. No. U-4405; Project No. 39049.2.1:**

US 401 (Raeford Road) from West of Hampton Oaks Drive to East of Fairway Drive in Fayetteville

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

**(Division 7)**

**Orange County; I.D. No. B-5348; Project No. 46062.2.1:**  
Bridge No. 85 over Phil's Creek on SR 1005

**Guilford County; I.D. No. EL-5101DL; Project No. 41823.2.F15:**  
Greensboro – Greensboro sidewalk designs

**(Division 8)**

**Moore County; I.D. No. B-5758; Project No. 45714.2.1:**  
Bridge No. 13 over Aberdeen Creek on SR 1102 (Addor Road)

**Chatham County; I.D. No. B-5747; Project No. 45703.2.1:**  
Bridge No. 157 over Cedar Creek on SR 2145 (R. Jordan Road)

**Richmond County; I.D. No. B-5760; Project No. 45716.2.1:**  
Bridge No. 79 over Naked Creek on SR 1424 (Jones Spring Church Road)

**Randolph County; I.D. No. W-5601HV; Project No. 50138.2.231:**  
NC 42 near SR 2895 (Moffit Mill Road), safety improvements

**Randolph County; I.D. No. B-5739; Project No. 45695.2.1:**  
Bridge No. 170 over Reed Creek on SR 2621

**Randolph County; I.D. No. B-5763; Project No. 45719.2.1:**  
Bridge No. 129 over a branch of Sandy Creek on SR 2407

**Richmond County; I.D. No. R-3421A; Project No. 34542.2.6:**  
US 220 Bypass from US 74 Bypass West of Rockingham at SR 1109 (Zion Church Road) Interchange to South of SR 1140 (Old Charlotte Highway) Utilities

**(Division 10)**

**Union County; I.D. No. W-5601BK; Project No. 50138.2.64:**  
NC 200 (Lancaster) and SR 1117 (Providence Road South)

**Union County; I.D. No. U-3467; Project No. 39019.2.5:**  
NC 84 from NC 16 to SR 1008 (Waxhaw-Indian Trail Road) in Wesley Chapel

**(Division 12)**

**Iredell County; I.D. No. C-5701; Project No. 46446.2.1:**  
Intersection of NC 801/150

**(Division 13)**

**Burke County; I.D. No. B-4447; Project No. 38371.2.2:**  
Bridge No. 160 and 162 over SR 1758 (Berea Church Road)

Preliminary Right of Way Plans (continued)

(Division 14)

**Transylvania County; I.D. No. B-4823; Project No. 38593.2.1:**  
Bridge No. 12 over Hogsed Creek on SR 1538

**Jackson County; I.D. No. B-5159; Project No. 42334.2.1:**  
Bridge No. 101 over Caney Creek



**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. 38664.2.2; Durham County; I.D. No. EB-4707B:**

Grading, drainage, paving and signals on bicycle improvements – Durham – Pope Road to Garrett Road with the right of way indicated upon the final plans for said project.

**(Division 7)**

**Project No. 34820.2.19; Guilford County; I.D. No. U-2524D:**

Grading, drainage, culverts, structures, ITS, paving and signals on Greensboro Western Loop – from US 220 (Battleground Avenue) to SR 2303 (Lawndale Drive) with the right of way indicated upon the final plans for said project.

**(Division 10)**

**Project No. 32638.2.2; Anson County; I.D. No. B-2506:**

Structure, grading, drainage and paving on Bridge No. 8 over Brown Creek on SR 1627 with the right of way indicated upon the final plans for said project.

**(Division 14)**

**Project No. 42271.2.FR1; Macon County; I.D. No. B-5125:**

Grading, drainage, paving, signal and structure on Bridge No. 22 over Little Tennessee River on US 441 Business with the right of way indicated upon the final plans for said project.

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

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

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

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

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

**(Division 5)**

**Project No. 34745.2.8; I.D. No. U-0071; Durham County:**

Final Right of Way plans approved on the minutes of the November 6, 2014 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 5 & 6 as presented at the September 8, 2016 Board of Transportation Meeting.

**(Division 7)**

**Project No. 34429.2.4; I.D. No. R-2413C; Guilford & Rockingham Counties:**

Final Right of Way plans approved on the minutes of the March 8, 2012 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 21 as presented at the September 8, 2016 Board of Transportation Meeting.

**Advance Acquisition of Highway Right of Way**

Upon recommendation of the Manager of the Right of Way Unit, the Board has been requested to authorize the acquisition of the following properties through negotiation or condemnation for purposes of highway construction in order to prevent undue hardship on property owners or to protect the right of way corridor from development prior to regular project approval. The Board finds such acquisitions to be necessary, and hereby authorizes the Right of Way Unit to acquire said properties either by negotiation or by condemnation through the Office of the Attorney General.

**Division 5**

**Property of Southbridge Fellowship Church  
I.D. No. U-5518B, Parcel #900,  
WBS 43612.2.3, F. A. Project N/A,  
County of Wake-Durham**

**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 1)**

**Project 6.149001B, Parcels R-2548B 006 and 007, US 64 from West of SR 1126 (Newland Road) to SR 1139 (Tyson Farm Road)**

**Washington County**

Conveyance of an approximate 38.916-acre landlocked residue area to Linden Carolina, LLC, the only interested adjacent owner, for the appraised value of \$53,000.00.

**(Division 3)**

**Project 2C.025011, 1302 and 1304 Broad Street in New Bern**

**Craven County**

Conveyance of an approximate 0.200-acre residue area to the City of New Bern for no monetary consideration. The City of New Bern intends to use this residue for the Third Avenue re-alignment project. If the land use changes to anything other for the Third Avenue re-alignment project, the property shall revert back the Department. If any portion is needed for future transportation uses, the City of New Bern will convey back to the Department the portion needed for transportation uses at no cost.

**(Division 5)**

**Project 35520.5.TA1, Parcel R-2635CI 903, I-540 South of Roberts Road**

**Wake County**

Conveyance of an approximate 0.164-acre landlocked residue area to Pulte Home Corporation, the only interested adjacent owner, for the appraised value of \$10,000.00.

**(Division 8)**

**Project 34504.2.2, Parcel R-2812 007A, NC 211 from NC 73 in West End to the Traffic Circle in Pinehurst**

**Moore County**

Conveyance of an approximate 0.390-acre residue area to Charles D. Pope, the highest bidder after advertisement, for the high bid amount of \$5,500.00.

**(Division 9)**

**Project 8.1620403, Parcel I-900BB 449, I-40 Westbound on Ramp at Union Cross Road in Winston-Salem**

**Forsyth County**

Conveyance of an approximate 4.385-acre landlocked residue area to First Christian Church Ministries, the only interested adjacent owner, for the appraised value of \$3,500.00.

**(Division 10)**

**Project 6.804816, Parcels U-2009A 018 and 019, Westside Bypass from South of I-85 to NC 73**

**Mecklenburg County**

Conveyance of an approximate 0.256-acre residue area to Ralph Hartsell, Trustee of the Ralph H. Hartsell Living Trust dated November 16, 2012; the highest bidder after advertisement, for the high bid amount of \$2,050.00.

Approval of conveyance of Highway Right of Way Residues (continued)

(Division 10) (continued)

**Project 6.678008T, Parcel R-2248AC 905, I-485 (Charlotte Western Outer Loop)  
Mecklenburg County**

Conveyance of an approximate 1.500-acre residue area to Muhammad Development Group Incorporated, the highest bidder after advertisement, for the high bid amount of \$500,000.00.

CONVEYANCE OF ROW RESIDUE

7 PROJECT(S)

\$574,050.00

**Approval of conveyance of Surplus Highway Right of Way**

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

**(Division 11)**

**Project 8.1740901, Parcel R-2917 068, US 601 from US 52/I-77 Connector to SR 1365 South of Mt. Airy  
Surry County**

Conveyance of an approximate 1.624-acre surplus right of way area to the City of Mount Airy for no monetary consideration.

**(Division 14)**

**Project 8.18362 and 34334.3.1, Parcels R-0505 060, 061, and 062; SR 1807 (Oak Grove Road) near SR 1809 (Tabor Road) in Flat Rock  
Henderson County**

Conveyance of an approximate 0.245-acre surplus right of way area to Teardrop Investments, LLC for the appraised value of \$7,900.00.

**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 10)**

**Project 8.1654827, Parcel 004, I-277 in Charlotte from I-77 to Third Street  
Mecklenburg County**

Grant of a revisions in the existing control of access to CUSA N.C. Holdings L. P. for the relocation of the existing control access to the from front of the sidewalk along South Boulevard at parcel 004 near the I-277/Caldwell Street Interchange, and also for two control access breaks for pedestrian access adjacent to parcel 004 in Charlotte, for the no monetary consideration.

**APPROVAL OF REVISION IN CONTROL OF ACCESS 1 PROJECT(S)**

**\$0.00**

**R-ITEM SUMMARY**

**37 PROJECT(S)**

**TOTAL: \$581,950.00**

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2016 - 2017**

At the time of preparation of this agenda item the General Assembly had ratified House Bill 1030. Accordingly, it is recommended that General Maintenance Reserve, Pavement Preservation, Contract Resurfacing, and Bridge Program allocations be made in accordance with the Session Law 2016-94.

The staff recommends these funds be allocated to the Divisions in accordance with the following:

<b><u>SCHEDULE I – GENERAL MAINTENANCE RESERVE</u></b>	<b><u>TOTAL ALLOCATION</u></b>
Road and Bridge Maintenance	337,398,999
State and Federal Obligation	21,835,000
Asset Maintenance and Operation	17,800,000
Research and Development	550,000
Emergency	90,000,000
<b>SUBTOTAL</b>	<b>\$467,583,999</b>
 <b><u>SCHEDULE II – PAVEMENT PRESERVATION</u></b>	 <b>\$85,045,024</b>
 <b><u>SCHEDULE III – CONTRACT RESURFACING</u></b>	 <b>\$497,946,495</b>
 <b><u>SCHEDULE IV – BRIDGE PROGRAM</u></b>	 <b>\$242,374,444</b>
<b>GRAND TOTAL</b>	<b>\$1,292,949,962</b>



**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2016 - 2017**

Based on consultation with Division Engineers, the General Maintenance allocation formula is comprised of 65% road and bridge inventory and 35% assessed and non-assessed need. Additionally, road and bridge asset inventory is weighted 70% and 30%, respectively. Pavement Preservation and Contract Resurfacing allocation formulas are comprised of 65% road inventory and 35% need. The Bridge Program allocation formula is based on need for structurally deficient bridges not already let or programmed.

### **SCHEDULE I – GENERAL MAINTENANCE RESERVE**

In accordance with the recommended allocations listed on Page 1, a total of \$467,583,999 has been made available for distribution. These funds will be used for Road and Bridge Maintenance, as well as support Enterprise level programs.

### **ROAD AND BRIDGE MAINTENANCE**

This item, listed under General Maintenance Reserve, will be utilized for the purposes of continuing routine maintenance activities including, but not limited to, pavement patching, pavement markings, markers, signs, symbols, roadside vegetation management, drainage, unpaved shoulders, litter pickup, and other similar maintenance activities. Bridge related activities include, but are not limited to, repairing concrete bridge decks, girder painting, emergency bridge repair or replacement, replacing electrical components, foundation repair, installation of support bents, and flooring and rail repair. Replacing small critical bridges and pipes, and maintaining navigational lighting systems on high level bridges located over navigational waterways are also eligible activities. These expenditures will include both contract and force account maintenance.

### **ENTERPRISE PROGRAMS**

Enterprise level programs are comprised of four main categories: **State and Federal Obligations, Asset Maintenance and Operations, Research and Development, and Emergencies.**

**State and Federal Obligations** are funds required either by state or federal laws, regulations or rules. Examples of such obligations include Inmate Labor, Asphalt Testing Labs Corrective Actions, Drug & Alcohol Testing, Railroad Signal Maintenance, and maintenance of Weigh Stations.

**Asset Maintenance and Operations** are funds used to assess and address statewide program needs. Examples include funding the condition assessment program, inspection of Non-NBIS bridges, sign structures, and high mast lighting, and maintenance repairs to assets such as traffic signals and renovating rest areas.

**Research and Development** are funds used to research, develop, and implement state of the art maintenance technologies, practices and procedures. Objectives of these programs include improving maintenance efficiencies and improving cost effectiveness.

**Emergencies** are funds used for weather related events, to cover unanticipated expenditures for non-declared emergency operations, as well as snow and ice equipment purchases.

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2016 - 2017**

The Inmate Labor allocation of \$9,140,000 was initially included as part of the inventory and needs based formula allocation. Following the formula distribution, each Division's allocation was proportionately reduced in accordance with a 3-year average utilization rate per Division.

Further detail regarding recommended allocations of these funds is addressed in Table 1 below:

**Table 1 – SCHEDULE 1**

DIVISION	INITIAL FORMULA ALLOCATION	INMATE LABOR ADJUSTMENT	TOTAL ALLOCATION
1	26,200,411	(876,764)	25,323,647
2	20,447,643	(351,461)	20,096,182
3	23,476,312	(657,038)	22,819,274
4	24,773,387	(344,908)	24,428,479
5	30,652,732	(499,456)	30,153,276
6	24,352,327	(463,225)	23,889,102
7	25,533,314	(700,701)	24,832,613
8	25,469,794	(1,486,237)	23,983,557
9	22,407,497	(617,179)	21,790,318
10	25,041,170	(328,502)	24,712,668
11	23,686,022	(834,382)	22,851,640
12	26,573,624	(837,160)	25,736,464
13	25,421,325	(1,071,465)	24,349,860
14	22,503,441	(71,522)	22,431,919
<b>Subtotal</b>	<b>\$346,538,999</b>	<b>(\$9,140,000)</b>	<b>\$337,398,999</b>
State and Federal Obligation	12,695,000	9,140,000	21,835,000
Asset Maintenance & Operations	17,800,000	-	17,800,000
Research and Development	550,000	-	550,000
Emergencies	90,000,000	-	90,000,000
<b>Subtotal</b>	<b>\$121,045,000</b>	<b>\$9,140,000</b>	<b>\$130,185,000</b>
<b>Grand Total</b>	<b>\$467,583,999</b>	<b>\$0</b>	<b>\$467,583,999</b>

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2016 - 2017**

**SCHEDULE II – PAVEMENT PRESERVATION**

Beginning in FY 2015, the General Assembly has provided funds to address preservation activities or treatments for asphalt pavement structures. Eligible activities include the following: chip seals, slurry seals, fog seals, sand seals, scrub seals, and cape seals. Microsurfacing, profile milling not covered by resurfacing, asphalt rejuvenators, and open graded asphalt friction course is also eligible. Additional preservation activities include overlays less than 1,000 feet in length, diamond grinding, joint sealing, dowel bar retrofit, and partial or full depth repairs and reclamations. Ultra-thin whitetopping, thin lift and sand asphalt overlays and asphalt crack sealing are also eligible pavement preservation activities. \$85,045,024 has been made available and will be distributed by the aforementioned inventory and needs based formula.

**SCHEDULE III – CONTRACT RESURFACING**

Of the total \$497,946,495 available, the staff recommends continuing to cash flow \$78,000,000 equally in each of the 14 Highway Divisions and is included in the allocation numbers. These activities will include placement of plant mixed asphalt, surface treatment seals, and recycling existing pavement. They will also include surface preparation, shoulder reconstruction, and traffic lane markings, performed by State Forces and by Contract. In accordance with current legislation, up to 15% of the funds may be used for widening existing narrow pavements. Additionally, a total of \$89,152,561 is distributed equally per County in accordance with Session Law 2015-241. It is also recommended that, of the total funds available, \$2,300,000 be allocated for the purpose of Pavement Condition Assessments on the Secondary system and \$525,000 be allocated for the purpose of Automated Assessments on the Primary system, leaving a balance of \$405,968,934 to be distributed based on each Division's pro-rata share of inventory and need.

**SCHEDULE IV – BRIDGE PROGRAM**

The Bridge Program formula reconciles Division bridge program assessed need with State bridge program assessed need to address structurally deficient bridges. Of the total \$242,374,444 available, it is recommended that \$10,000,000 be allocated to fund ongoing Preliminary Engineering activities on 132 projects started in 2016. Also, it is recommended that \$18,750,000 be allocated for Right-of-Way acquisition on 82 bridge projects in 2017 and \$46,250,000 be allocated for Construction of 34 bridge projects in 2017. Of the remaining funds, a uniform allocation of \$6,000,000 per Division is recommended to address needs that occur on a cyclical basis in each Division, leaving a balance of \$167,374,444 to be allocated based on assessed need.

Further detail regarding recommended allocations of these funds is addressed in Table 2 on page 5.

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2016 - 2017**

**Table 2 – SCHEDULES II, III, and IV**

<b>Division</b>	<b>Schedule II Pavement Preservation</b>	<b>Schedule III Contract Resurfacing</b>	<b>Schedule IV Bridge Program</b>
1	5,010,591	37,828,588	7,927,548
2	5,039,948	35,526,339	8,485,670
3	5,658,427	37,399,542	8,967,801
4	6,558,958	37,514,467	10,657,558
5	6,082,256	48,627,820	9,811,699
6	6,263,091	32,146,946	7,800,750
7	5,444,083	32,977,374	16,722,782
8	7,361,540	42,815,538	10,595,874
9	6,710,854	26,391,441	10,885,140
10	5,624,309	33,052,589	8,957,776
11	7,717,176	31,575,442	19,373,788
12	6,559,325	35,184,725	14,304,630
13	5,032,560	31,716,173	18,343,622
14	5,981,906	32,364,511	14,539,806
Statewide	0	2,825,000	75,000,000
<b>Grand Total</b>	<b>\$85,045,024</b>	<b>\$497,946,495</b>	<b>\$242,374,444</b>

**Item S Summary: 4 Actions totaling \$1,292,949,962**

There are no Comprehensive Transportation Plans to be presented for approval at the September 8, 2016 Board of Transportation Meeting.

## RESOLUTION FOR GREY BAILEY

**WHEREAS**, William Grey Bailey cherished his family and friends and was a community servant; and

**WHEREAS**, William Grey Bailey valued the importance of giving back to his community and exemplified his public service commitment by serving the members of his community with his willingness to lend a helping hand whenever it was needed; and

**WHEREAS**, firefighting was in William Grey Bailey's blood at an early age since his grandfather helped start the Bethany Volunteer Fire Department. As a young child, Grey could be found helping around the fire department and waiting until he became of age to be a firefighter. William Grey Bailey served as a dedicated firefighter with the Bethany Volunteer Fire Department for 14 years; and

**WHEREAS**, William Grey Bailey was a faithful member of Bethany Missionary Baptist Church where he sang in the choir. His pastor said Grey's love for the Lord and his contentment and peace with the Lord overflowed in the lives of other people; and

**WHEREAS**, William Grey Bailey also volunteered his time for local charities, including the Reece Richardson Memorial Scholarship Fund, which honors a teenager killed in a car accident; and

**WHEREAS**, William Grey Bailey was an avid outdoorsman and instilled the importance of physical activity by volunteering as a recreational soccer coach for the local leagues; and

**WHEREAS**, the Wayne County Board of Commissioners requests to name a portion of the new U.S. Highway 70 Goldsboro Bypass in memory of William Grey Bailey.


### **NOW, THEREFORE, BE IT RESOLVED:**

That the North Carolina Board of Transportation names U.S. 70 from Ebenezer Church Road to the U.S. 70 Goldsboro Bypass Bridge over the Little River in Wayne County as the ***Grey Bailey Highway***.

That appropriate signs will be erected at a suitable time.

Adopted, this the 8<sup>th</sup> day of September 2016 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation

**DBE/MB/WB LETTING SUMMARY**

Federal Contract Awards Summary

Oct 2015 let through Aug 2016 let

Federal Fiscal Year 2015/2016

	Value Of Contract	DBE Goals Set		DBE Participation Submitted		DBE Participation Split			
						MB		WB	
						\$	%	\$	%
Monthly	28,529,426.50	1,755,426.48	6.2	1,738,214.40	6.1	400,121.20	1.4	1,338,093.20	4.7
FY to Date	699,013,254.70	68,317,981.00	9.8	66,445,722.30	9.5	19,569,135.20	2.8	46,876,587.10	6.7

State Contract Awards Summary

Jul 2016 let through Aug 2016 let

State Fiscal Year 2016/2017

	Value Of Contract	MB Goals Set		MB Participation Submitted		WB Goals Set		WB Participation Submitted	
		\$	%	\$	%	\$	%	\$	%
		Monthly	85,414,786.90	1,431,076.64	1.7	2,122,376.60	2.5	2,806,894.75	3.3
FY to Date	129,770,648.84	2,762,316.64	2.1	3,477,006.00	2.7	4,685,219.95	3.6	6,423,790.80	5.0

Letting Date(s): August 16, 2016

Award Date: Sep 01, 2016

Award Subject to BOT's Approval

LETTING DATES: August 16, 2016  
 AWARD DATE: September 7, 2016

PROJECT NUMBER	COUNTY	TYPE OF WORK	LOW BIDDER	ADVERTISED GOALS SET			PARTICIPATION SUBMITTED			GOOD FAITH EFFORT AWARDED		AWARDED BY SECRETARY		
				DBE %	MB %	WB %	DBE %	MB %	WB %	YES	NO	YES	NO	
40233.3.1 B-4929 C203789	PENDER	GRADING, DRAINAGE, PAVING AND STRUCTURES	BALFOUR BEATTY INFRASTRUCTURE INC		1.0	3.0							X	
38367.3.FD1 BRZ-1349(1) B-4440 C203770	BRUNSWICK	GRADING, DRAINAGE, PAVING, & STRUCTURE	THE TARA GROUP OF LUMBERTON INC	8.0			18.6							X
52038.3.1 NHPP-0040(017) I-5760 C203868	NEW HANOVER	MILLING, RESURFACING, SHDR RECON, SIGNALS, BRIDGE APPR & JOINT REPAIR	BARNHILL CONTRACTING COMPANY	9.0			4.0			X			X	
2017CPT.03.01.10651 HSIP-0117(029) W-5203AA, W-5601BB C203888	NEW HANOVER	GRADING, DRAINAGE, MILLING, PAVING AND SIGNALS	BARNHILL CONTRACTING COMPANY	9.0			10.0							X
53029.3.1 NHPIM-0085(3)117 I-5738 C203914	GUILFORD, RANDOLPH	PAVEMENT AND BRIDGE REHABILITATION	TRIANGLE GRADING & PAVING INC	3.0			5.2							X
34605.3.2 R-4060 C203821	ALLEGHANY	GRADING, DRAINAGE, PAVING, RETAINING WALLS AND STRUCTURES	RILEY PAVING INC		3.0	5.0	3.2	5.3						X
42303.3.FD1 BRZ-1302(41) B-5142 C203913	IREDELL	GRADING, DRAINAGE, PAVING AND STRUCTURE	BLYTHE DEVELOPMENT INC	11.0			11.0							X
2017CPT.13.02.10121 C203912	BURKE	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION	MAYMEAD, INC	2.0	4.0		2.0	4.0						X
2017CPT.13.07.11001 C203900 C203889	YANCEY	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION	MAYMEAD, INC	3.0	4.0		0.7	4.0	X					X
2017CPT.14.01.10441.1 C203911	HAYWOOD, JACKSON, SWAIN	MILLING, RESURFACING AND SHOULDER RECONSTRUCTION	HARRISON CONSTRUCTION COMPANY DIVISION OF APAC	3.0	2.0		3.0	5.0						X
2017CPT.14.02.10451.1 C203891	HENDERSON, POLK, TRANSYLVANIA	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION	ROGERS GROUP INC	3.0	5.0		3.2	6.9						X
2017CPT.14.03.10221.1, ETC C203910	CLAY, JACKSON, SWAIN, CHEROKEE, GRAHAM & MACON	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION	HARRISON CONSTRUCTION COMPANY DIVISION OF APAC-ATLANTIC INC	2.0	4.0		2.0	6.7						X





September 7, 2016

*Financial Update*

David Tyeryar, Chief Financial Officer



# Financial Update

## SFYTD 2017 as compared SFYTD 2016

Dollars in Millions	July 16	July 15	Year to Date		
			July 16	July 15	\$ Change
Revenue Collections	\$ 409	\$ 364	\$ 409	\$ 364	\$ 45
Expenditures	<u>390</u>	<u>399</u>	<u>390</u>	<u>399</u>	<u>(9)</u>
Net Change	\$ 19	\$ (35)	\$ 19	\$ (35)	\$ 54
	July 16	July 15			
Cash Balances:					
Trust Fund	\$ 1,425	\$ 1,132			
Highway Fund*	<u>260</u>	<u>251</u>			
Totals	<u>\$ 1,685</u>	<u>\$ 1,383</u>			

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



# Revenue Summary July 2016

## (\$ in Millions)

	July 2016	July 2015	Year Over Year				SFY Budget	
			2016-2017 Actual	2015-2016 Actual	\$	%	Annual Budget	%
<b>State &amp; Federal Receipts:</b>								
Highway Fund *	\$ 178.4	\$ 170.7	\$ 178.4	\$ 170.7	\$ 7.6	4%	2,048.7	9%
Highway Trust Fund *	119.4	115.4	119.4	115.4	4.0	3%	1,371.3	9%
Total State Funds	297.8	286.1	297.8	286.1	11.6	4%	\$ 3,420.0	9%
Federal Funds/Participation	79.3	75.4	79.3	75.4	3.9	5%	1,257.7	6%
GARVEE Reimbursement/NCTA	31.6	2.3	31.6	2.3	29.3	1275%		
Total	\$ 408.7	\$ 363.8	\$ 408.7	\$ 363.8	\$ 44.9	12%	\$ 4,677.7	9%
			Year Over Year				SFY Budget	
	July 2016	July 2015	2016-2017 Actual	2015-2016 Actual	\$	%	Annual Budget	%
<b>* Memo</b>								
<b>Highway Fund &amp; Trust Fund Details</b>								
Motor Fuel Taxes	\$ 167.1	\$ 163.5	\$ 167.1	\$ 163.5	\$ 3.6	2%	\$ 1,782.8	9%
Highway Use Tax	59.5	61.4	59.5	61.4	(1.9)	-3%	659.8	9%
DMV/Other Revenue	71.2	61.3	71.2	61.3	9.9	16%	974.4	7%
Investment Income	-	-	-	-	-	0%	3.0	0%
Total	\$ 297.8	\$ 286.1	\$ 297.8	\$ 286.1	\$ 11.6	4%	\$ 3,420.0	9%



# Expenditure Summary July 2016

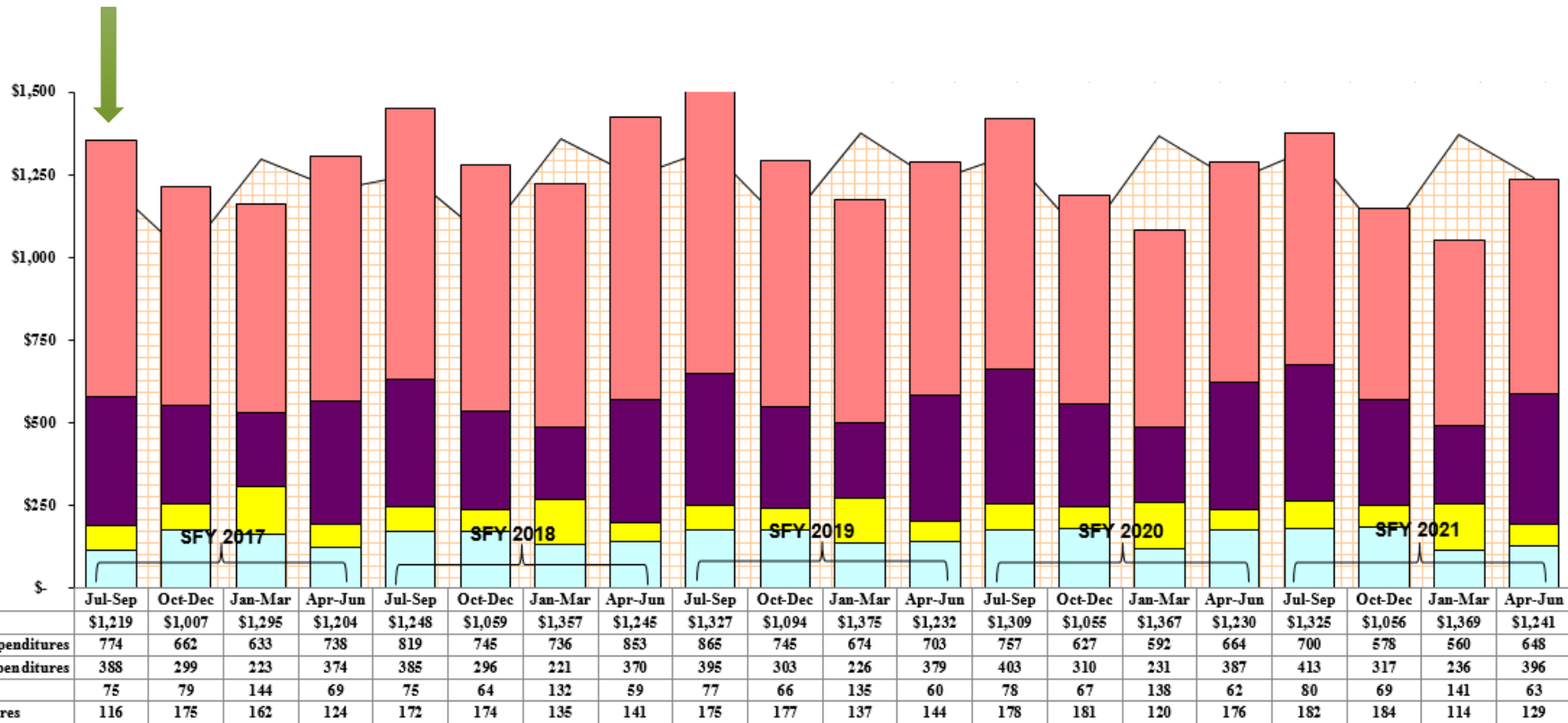
## (\$ in millions)

			Year Over Year				SFY Annual Budget	
	Jul-16	Jul-15	2016-2017 Actual	2015-2016 Actual	\$	%	2016-2017 Budget	%
<b>State &amp; Federal Funded Programs:</b>								
Construction	\$ 215.2	\$ 208.2	\$ 215.2	\$ 208.2	\$ 7.0	3%	\$ 2,304.7	9%
Maintenance	117.9	112.8	117.9	112.8	5.2	5%	1,293.0	9%
Public Transportation	4.5	7.0	4.5	7.0	(2.5)	-36%	126.9	4%
Other Modal/Other Programs	13.5	13.3	13.5	13.3	0.2	2%	231.9	6%
Administration	(43.0)	(20.0)	(43.0)	(20.0)	(23.0)	115%	316.9	-14%
Municipal Aid	-	-	-	-	-	0%	147.5	0%
Transfers to Other Agencies	-	0.6	-	0.6	(0.6)	NA	47.3	0%
<b>Total Expenditures</b>	<b>\$ 308.2</b>	<b>\$ 321.8</b>	<b>\$ 308.2</b>	<b>\$ 321.8</b>	<b>\$ (13.7)</b>	<b>-4%</b>	<b>\$ 4,468.2</b>	<b>7%</b>
<b>GARVEE/NCTA/Special Initiatives</b>	<b>\$ 81.5</b>	<b>\$ 77.4</b>	<b>\$ 81.5</b>	<b>\$ 77.4</b>	<b>\$ 4.0</b>	<b>5%</b>	<b>209.4</b>	<b>39%</b>



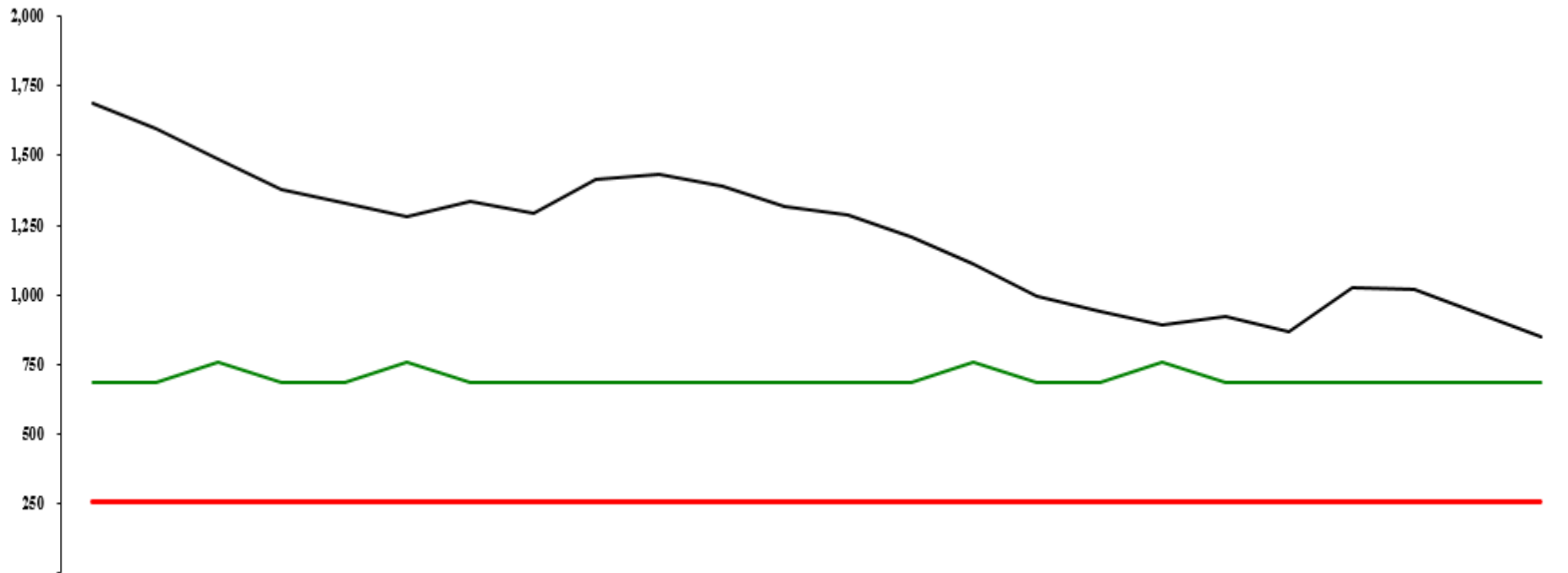
# 60 Month Cash Model

## Revenue & Expenditure Projections as of July 2016



# 24 Month Cash Model

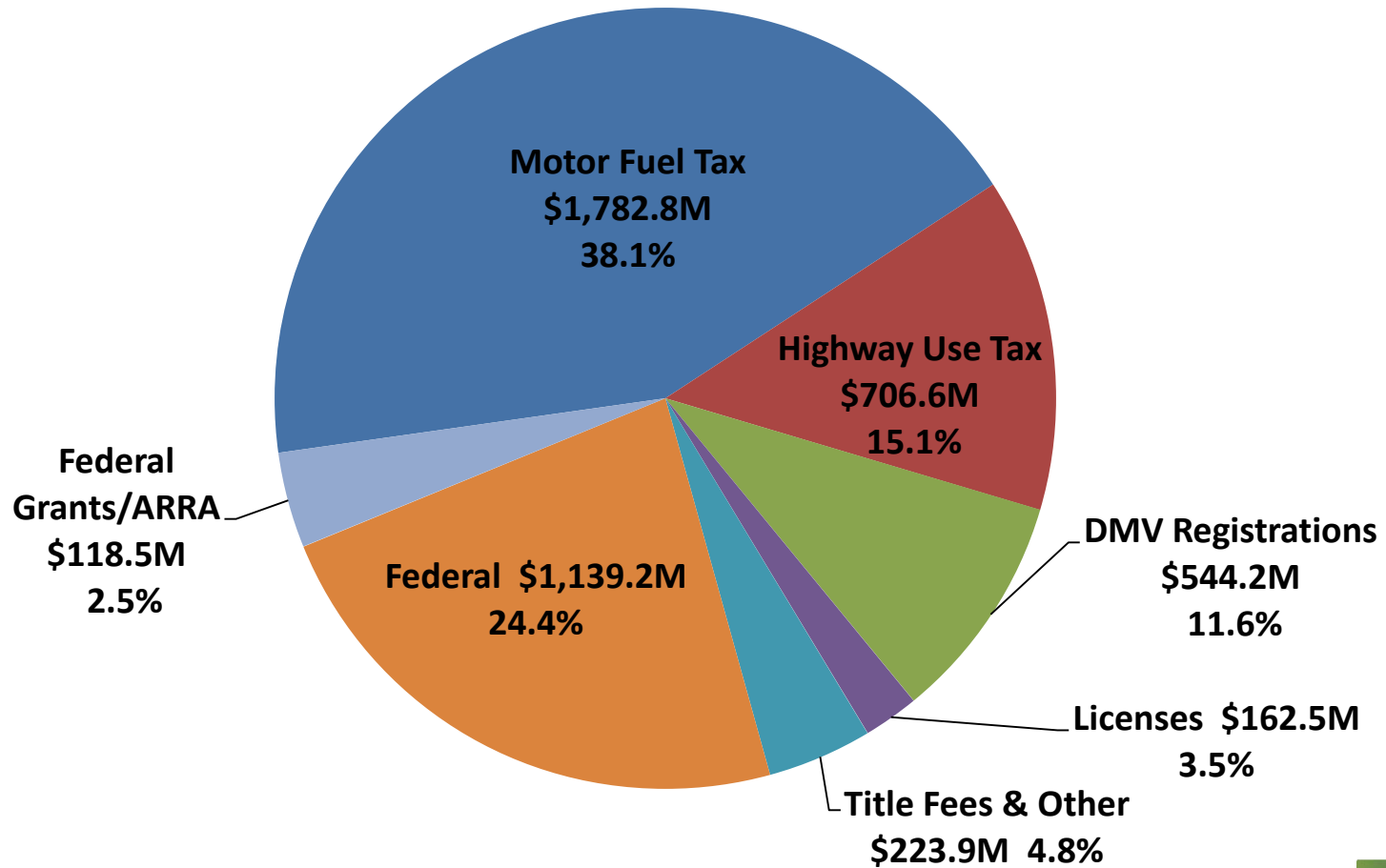
## Cash Projections as of July 2016



	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	
Closing Cash Balance	1,686	1,599	1,490	1,379	1,327	1,282	1,335	1,296	1,415	1,432	1,388	1,314	1,285	1,206	1,111	996	939	891	925	865	1,024	1,019	937	846	
Cash Balance Target	686	686	759	686	686	759	686	686	686	686	686	686	684	684	757	684	684	757	684	684	684	684	684	684	684
Cash Balance Floor	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257



# NCDOT Revenue Sources SFY2017 - \$4.7 Billion



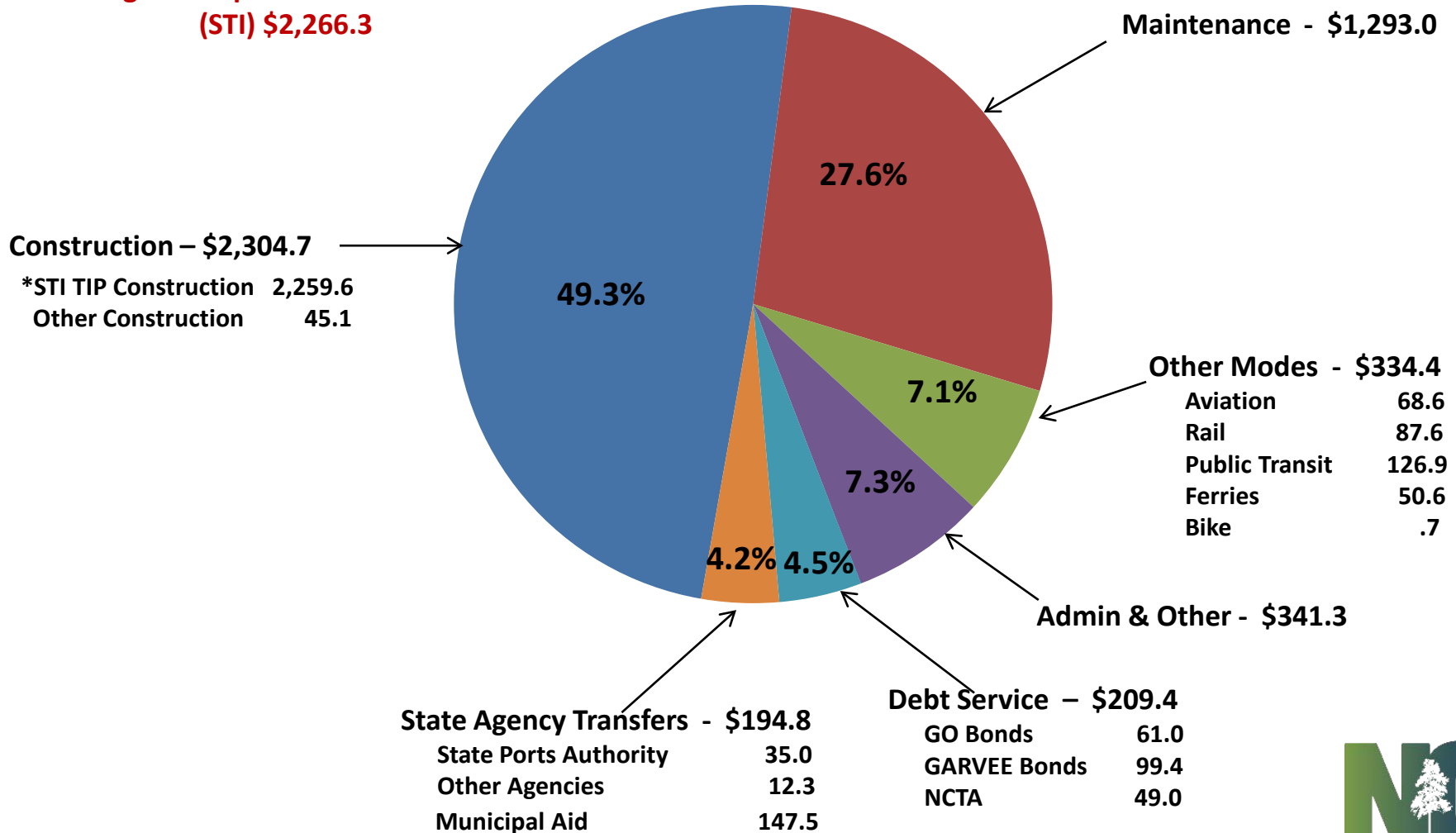
# Uses of 2016-17 NCDOT Appropriations

## Total Funding = \$4.7 Billion

(Excludes Receipt Supported Funding of \$0.1B)

### Strategic Transportation Investments

(STI) \$2,266.3



(\$ in millions)



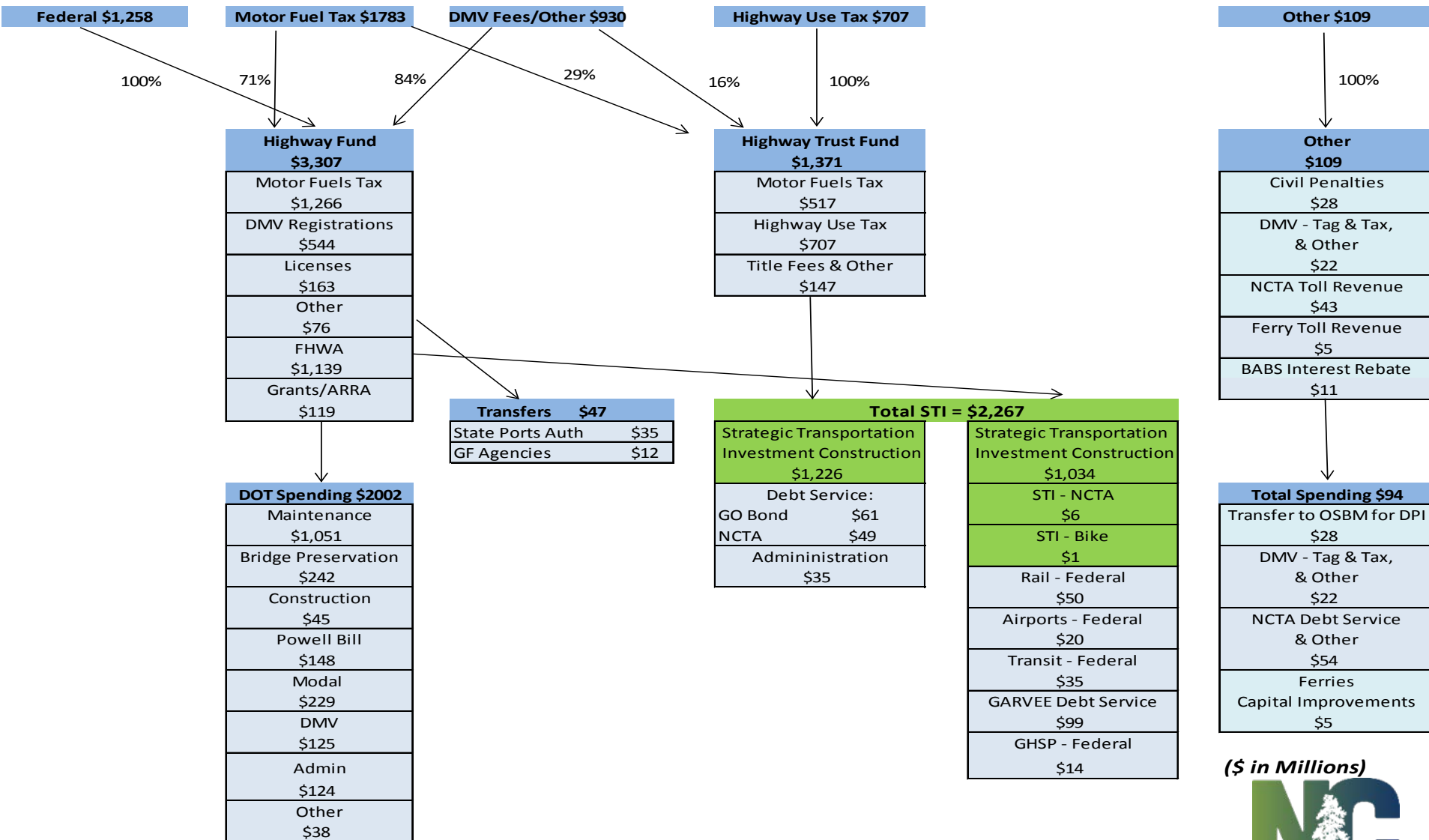
Unaudited Financial Report

Transportation



# SFY2017 NCDOT Sources and Uses

## Total Funding = \$4.8 Billion



(Includes Receipt Supported Funding of \$0.1B)

(\$ in Millions)



Unaudited Financial Report

Transportation



*Prioritization 4.0 Update: Release of Draft  
Programmed Regional Impact Projects*

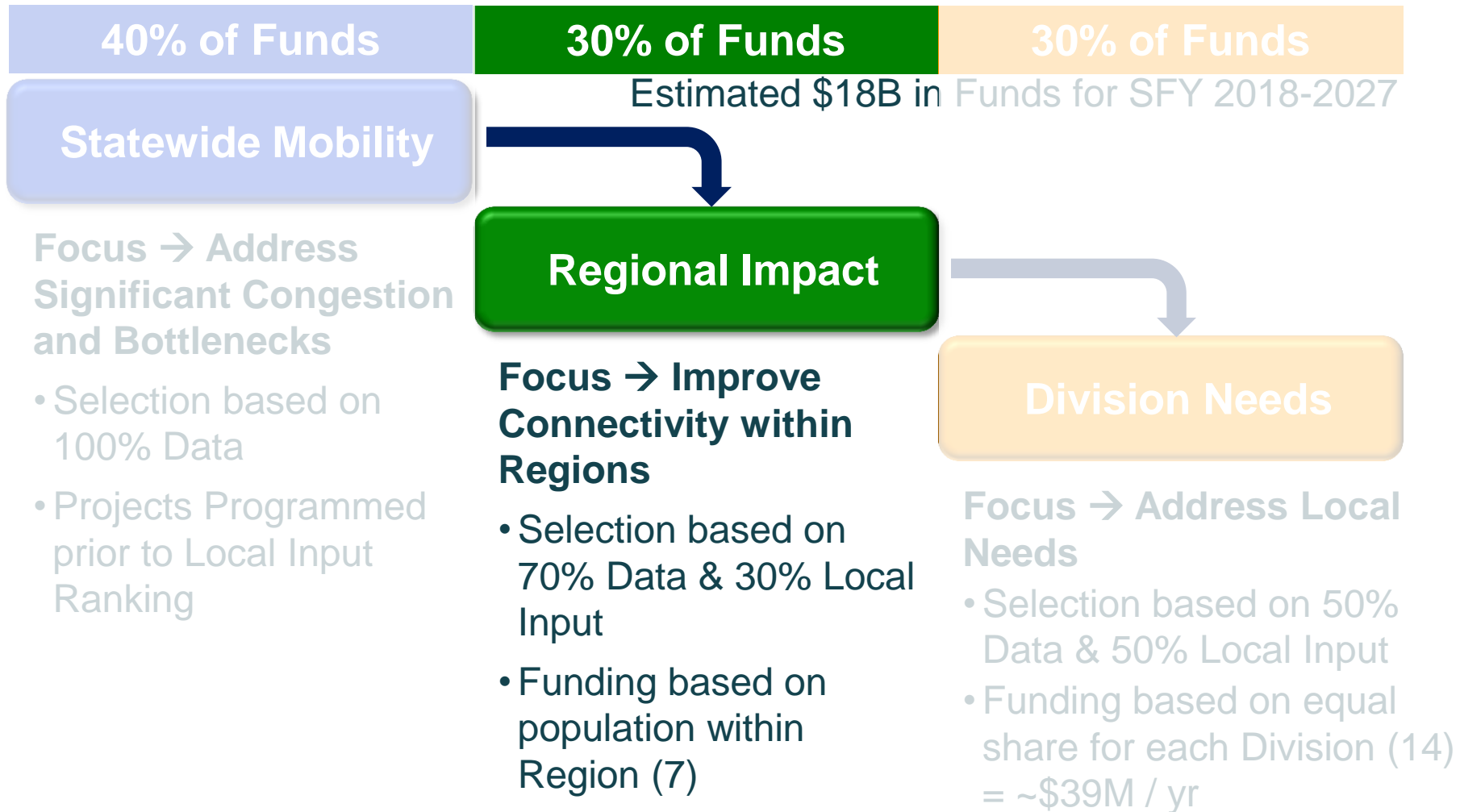
Board of Transportation  
September 2016



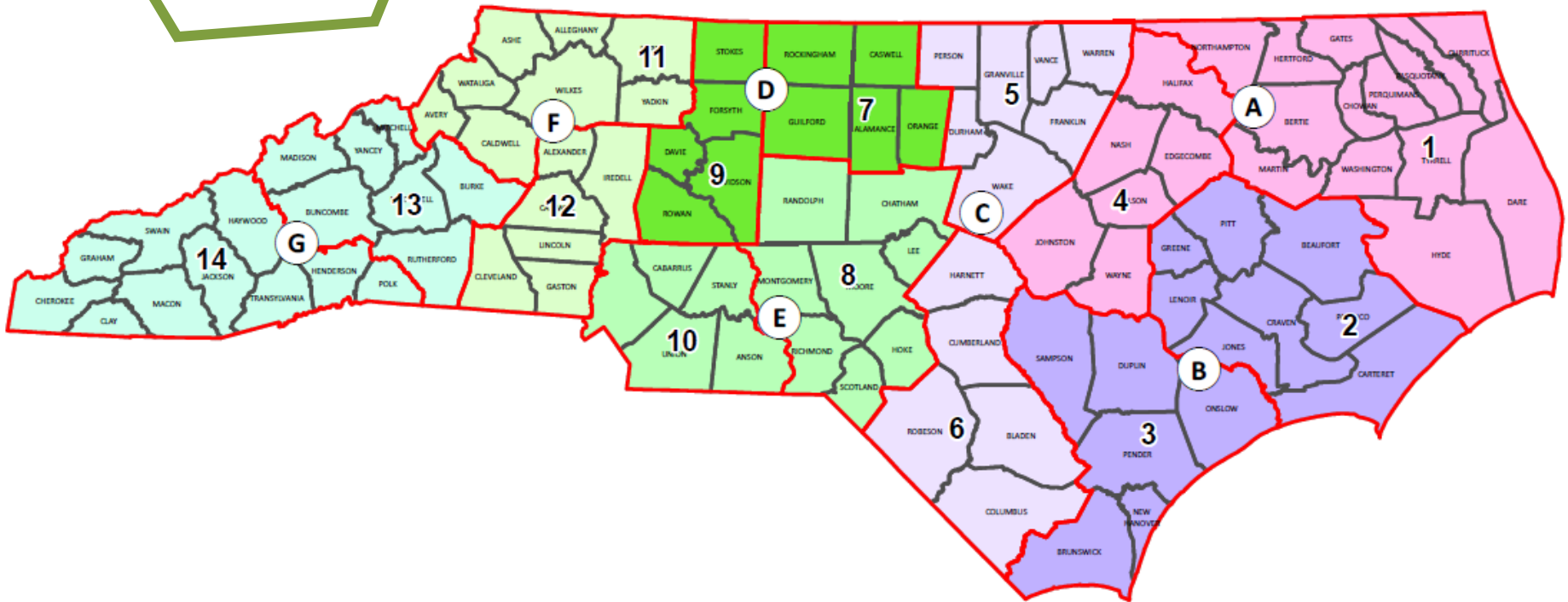
## *P4.0 Schedule of Key Dates*

<u>Date</u>	<u>Activity</u>
April 13, 2016	Quantitative Scores and Draft list of Programmed Statewide Mobility Projects released
April 18, 2016 – July 29, 2016	Regional Impact Local Input Points assignment window open (Division Needs Local Input Points optional)
August 2016	NCDOT calculates Regional Impact total scores and programs Regional Impact projects
September – October 2016	Division Needs Local Input Point window opens for 2 months
November 2016	NCDOT calculates Division Needs total scores and programs Division Needs projects
December 2016	NCDOT prepares 2018-2027 Draft STIP
January 2017	2018-2027 Draft STIP released

# How STI Works



# regions & divisions



# P4.0 Highway Scoring Criteria & Weights (Default)

Funding Category	<u>QUANTITATIVE</u>	<u>LOCAL INPUT</u>		
	Data	Division	MPO/RPO	
<b>Statewide Mobility</b>	Congestion = 30% Benefit-Cost = 25% Safety = 15% Economic Comp. = 10% Freight = 15% Multimodal = 5%	100%	--	--
<b>Regional Impact</b>	Congestion = 20% Benefit-Cost = 20% Safety = 10% Accessibility/Connectivity = 10% Freight = 10%	70%	15%	15%
<b>Division Needs</b>	Congestion = 15% Benefit-Cost = 15% Safety = 10% Accessibility/Connectivity = 5% Freight = 5%	50%	25%	25%

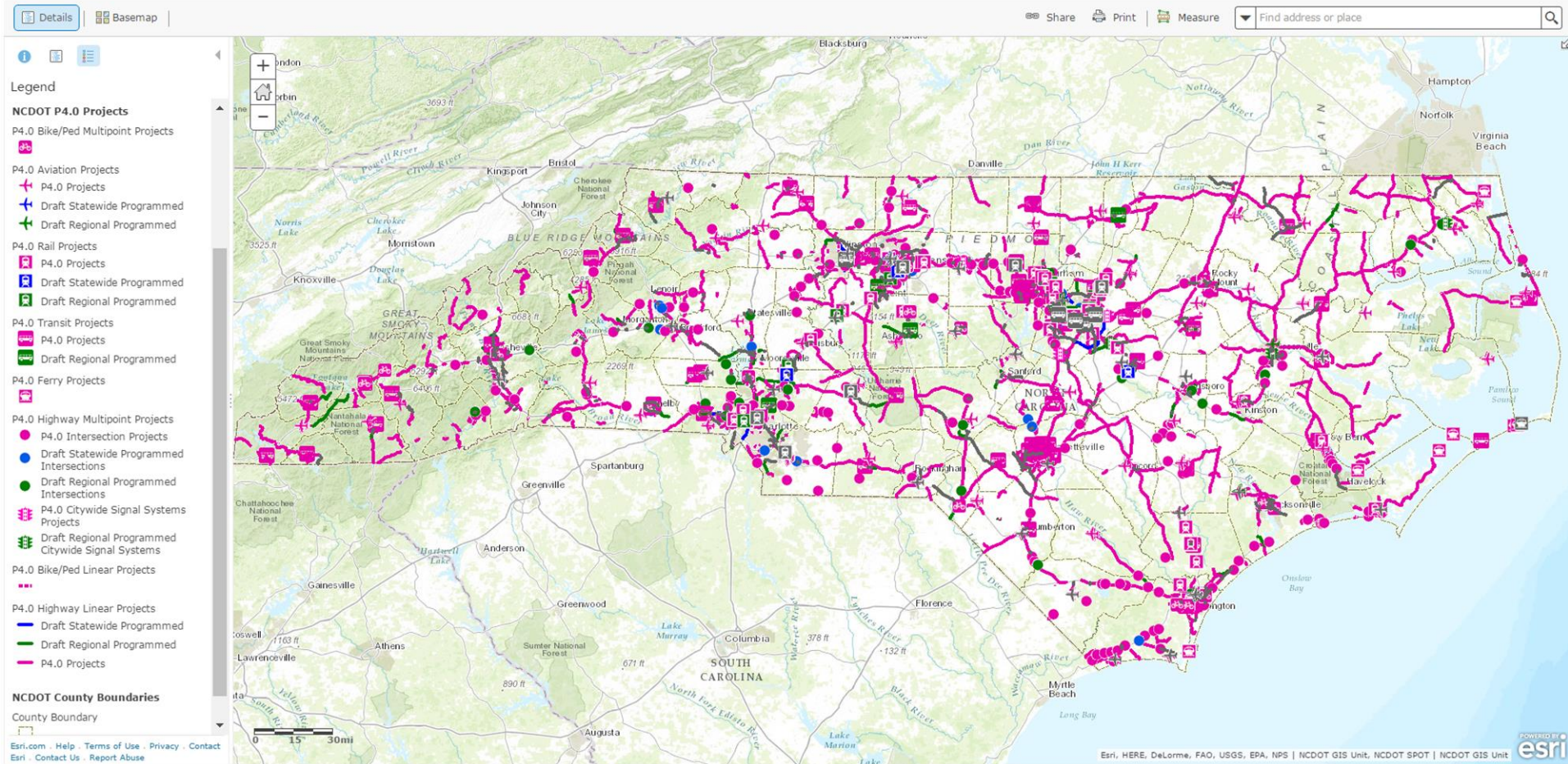
# Release of Draft Programmed Regional Impact Projects

## www.ncdot.gov/sti



Home ▾ NCDOT STI Results Map - P4.0

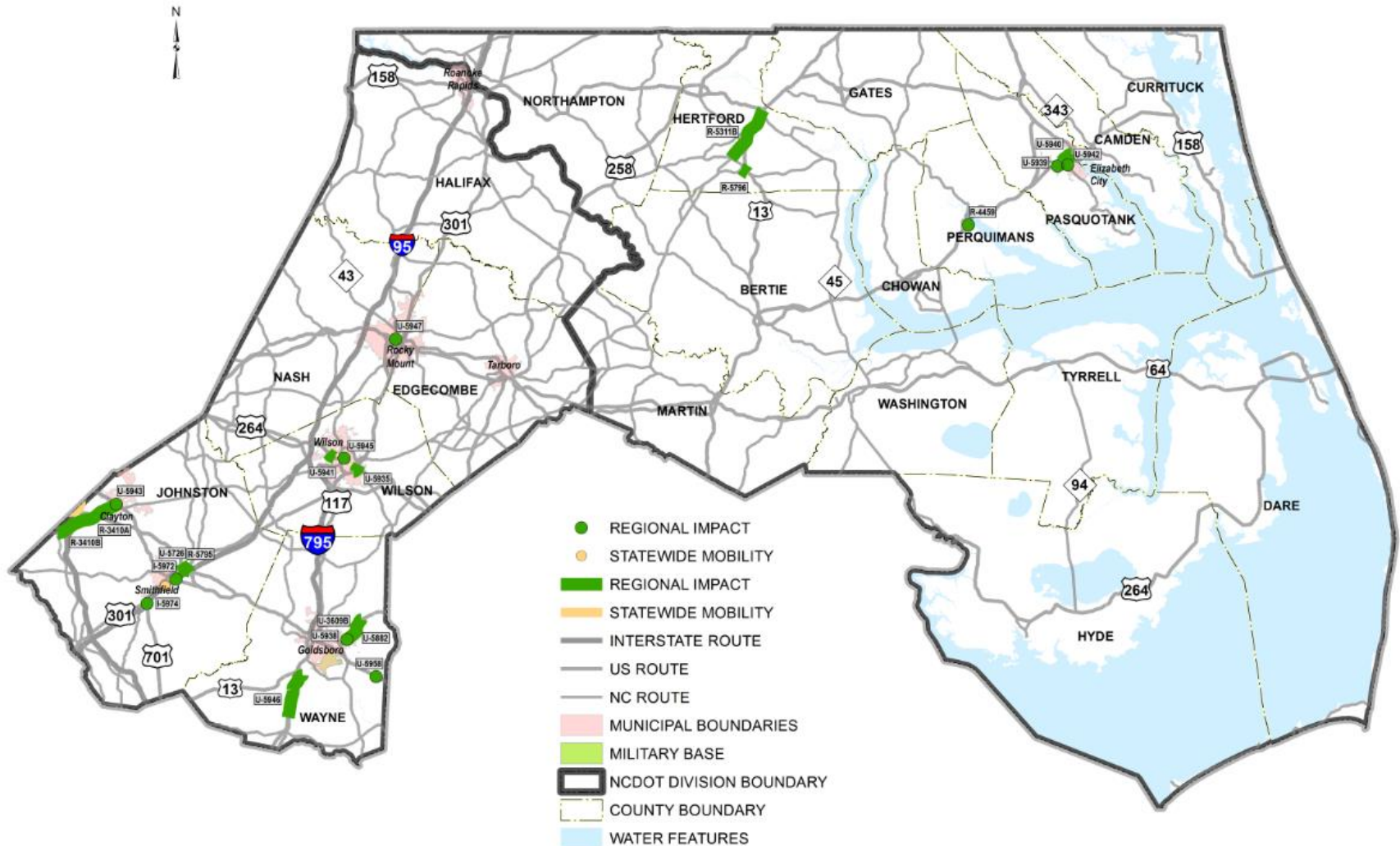
Sign In



# Draft Programmed Regional Impact Projects: Region A

North Carolina Department of Transportation  
DRAFT STIP FY 2018-2027

Region A  
Divisions 1 & 4

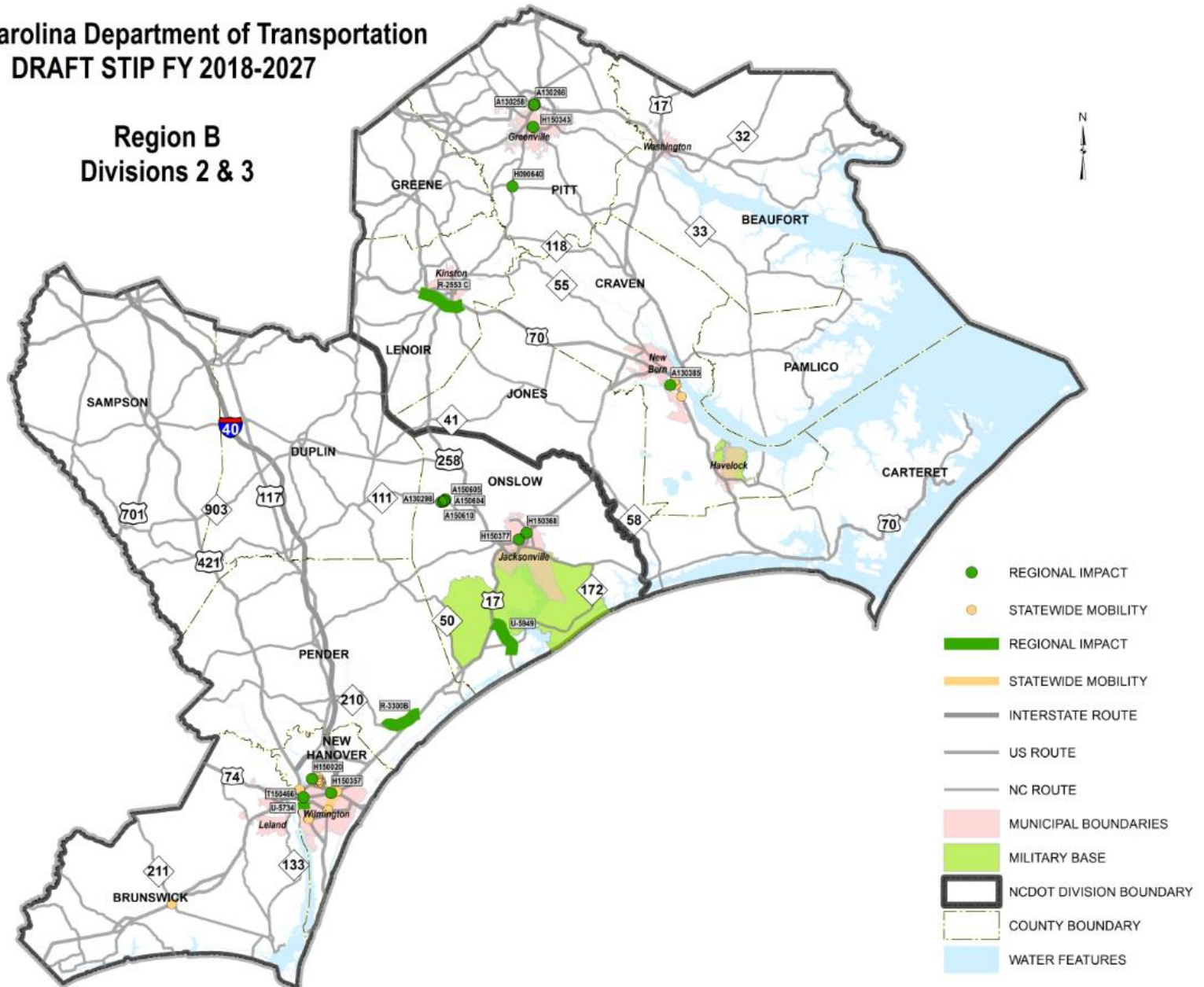




# Draft Programmed Regional Impact Projects: Region B

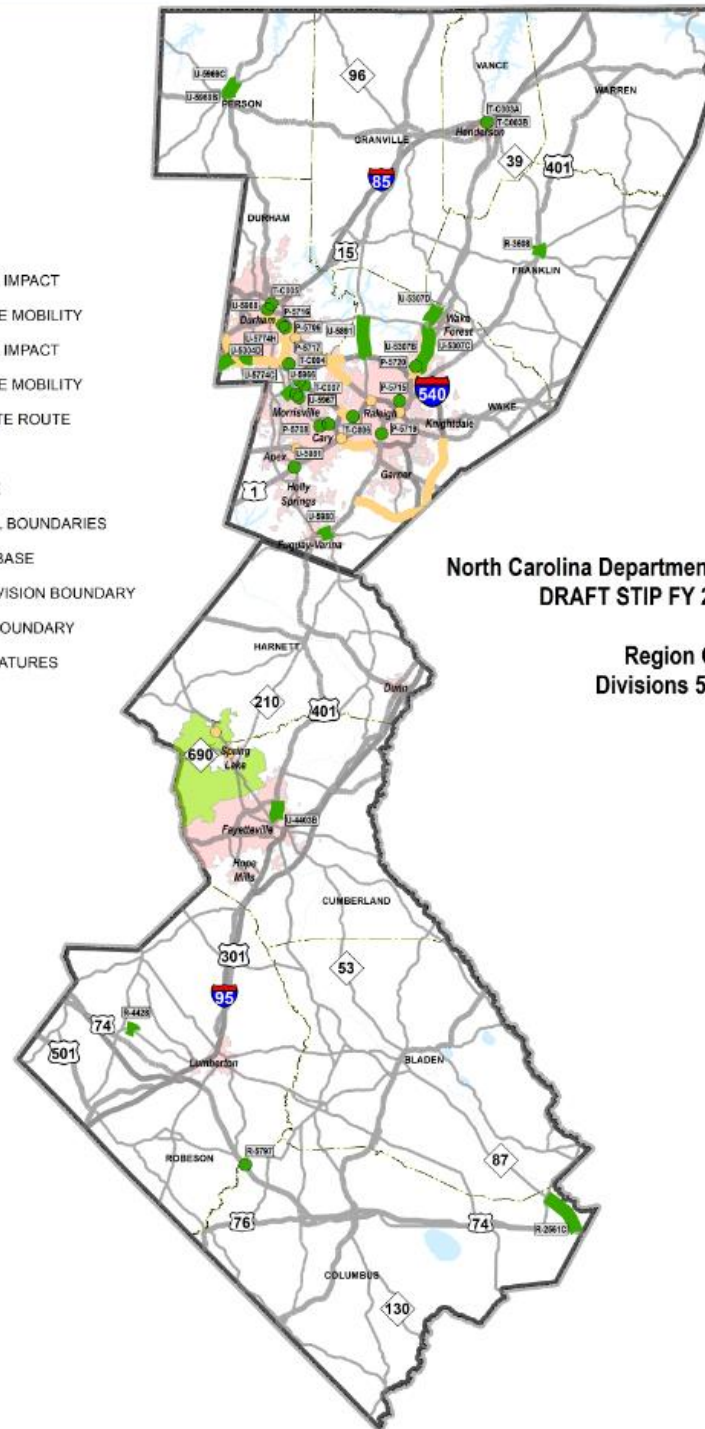
North Carolina Department of Transportation  
DRAFT STIP FY 2018-2027

Region B  
Divisions 2 & 3



# Draft Programmed Regional Impact Projects: Region C

- REGIONAL IMPACT
- STATEWIDE MOBILITY
- REGIONAL IMPACT
- STATEWIDE MOBILITY
- INTERSTATE ROUTE
- US ROUTE
- NC ROUTE
- MUNICIPAL BOUNDARIES
- MILITARY BASE
- NCDOT DIVISION BOUNDARY
- COUNTY BOUNDARY
- WATER FEATURES

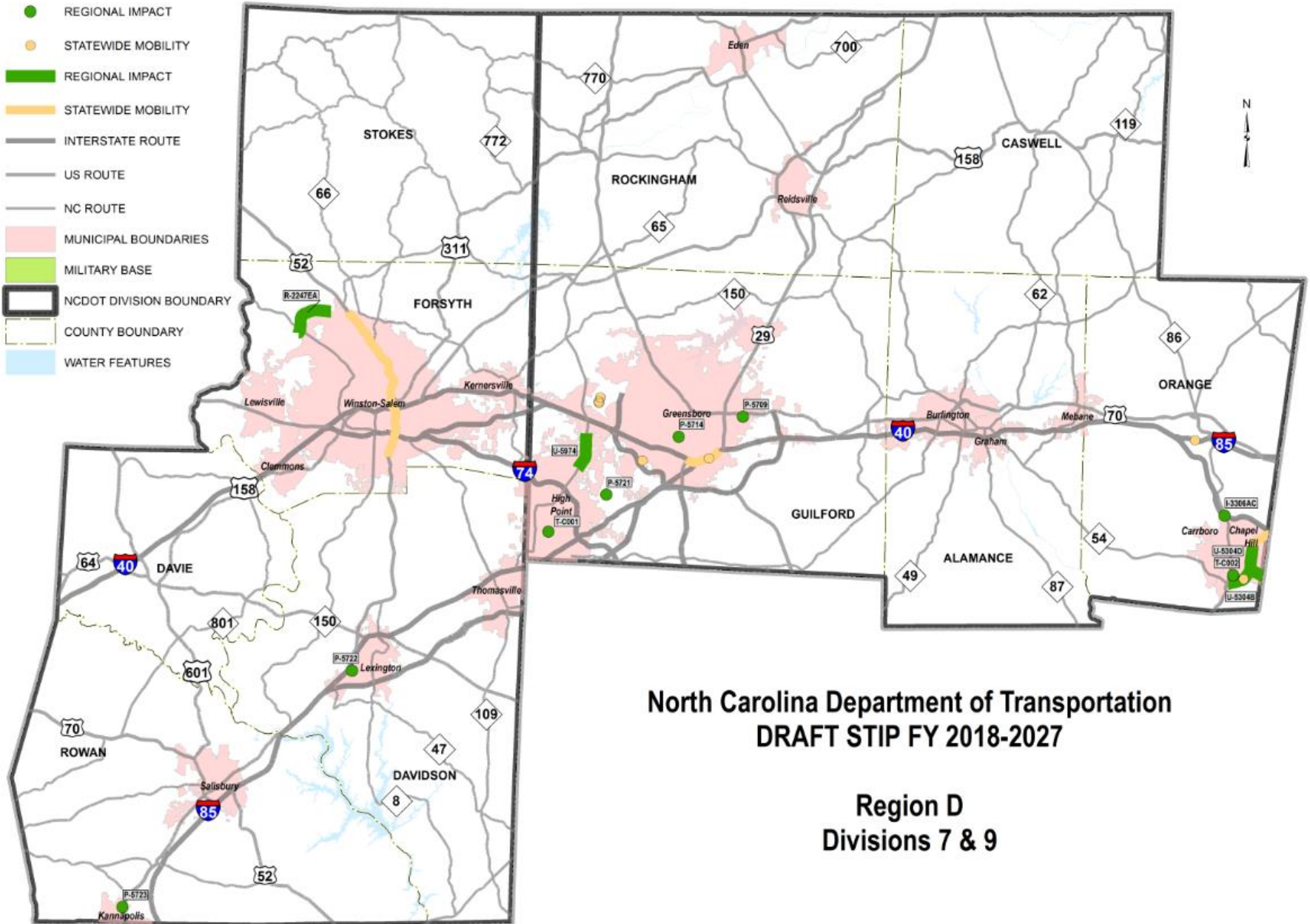


North Carolina Department of Transportation  
DRAFT STIP FY 2018-2027

Region C  
Divisions 5 & 6

# Draft Programmed Regional Impact Projects: Region D

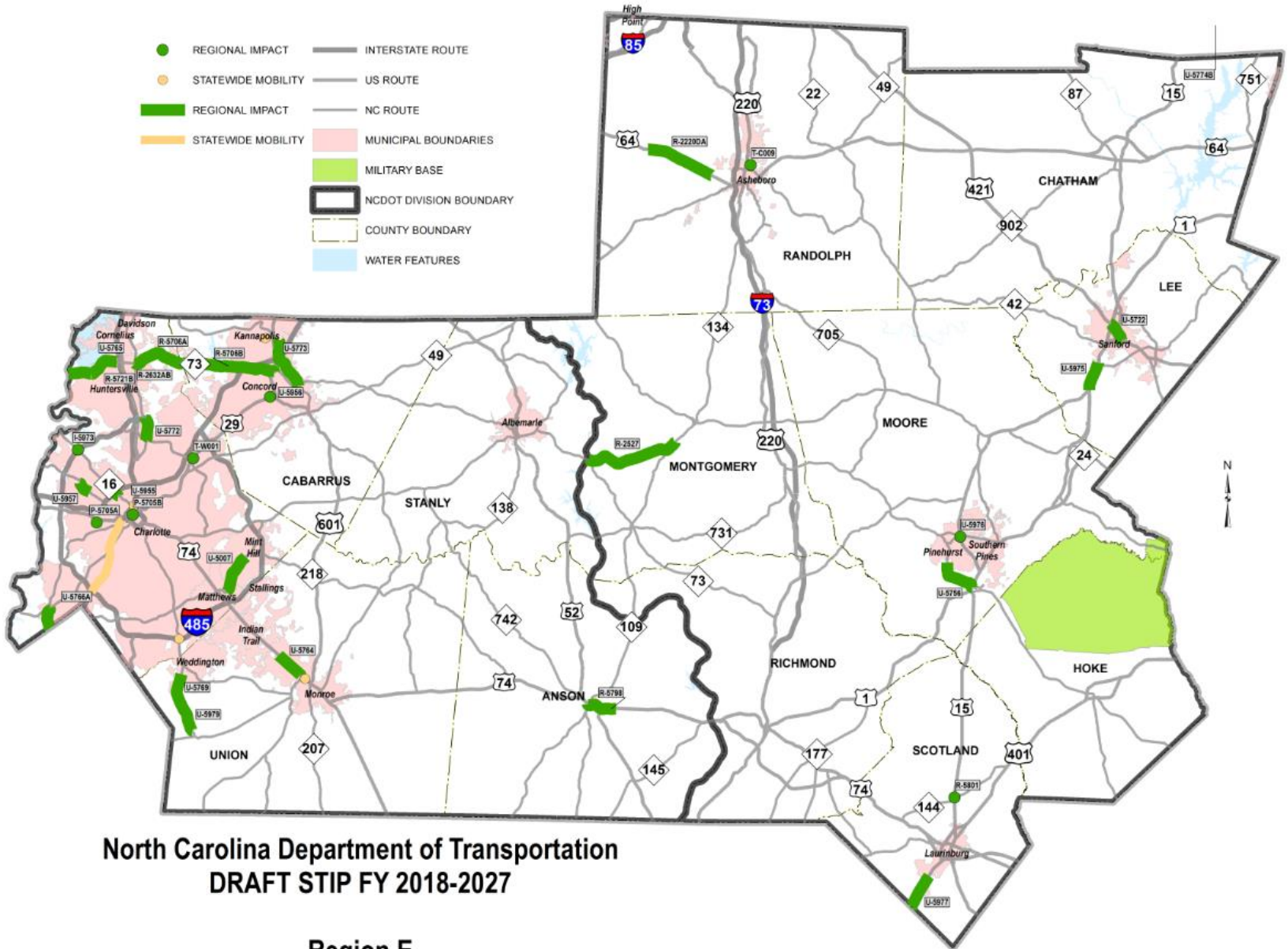
- REGIONAL IMPACT
- STATEWIDE MOBILITY
- REGIONAL IMPACT
- STATEWIDE MOBILITY
- INTERSTATE ROUTE
- US ROUTE
- NC ROUTE
- MUNICIPAL BOUNDARIES
- MILITARY BASE
- NCDOT DIVISION BOUNDARY
- COUNTY BOUNDARY
- WATER FEATURES



North Carolina Department of Transportation  
DRAFT STIP FY 2018-2027

Region D  
Divisions 7 & 9

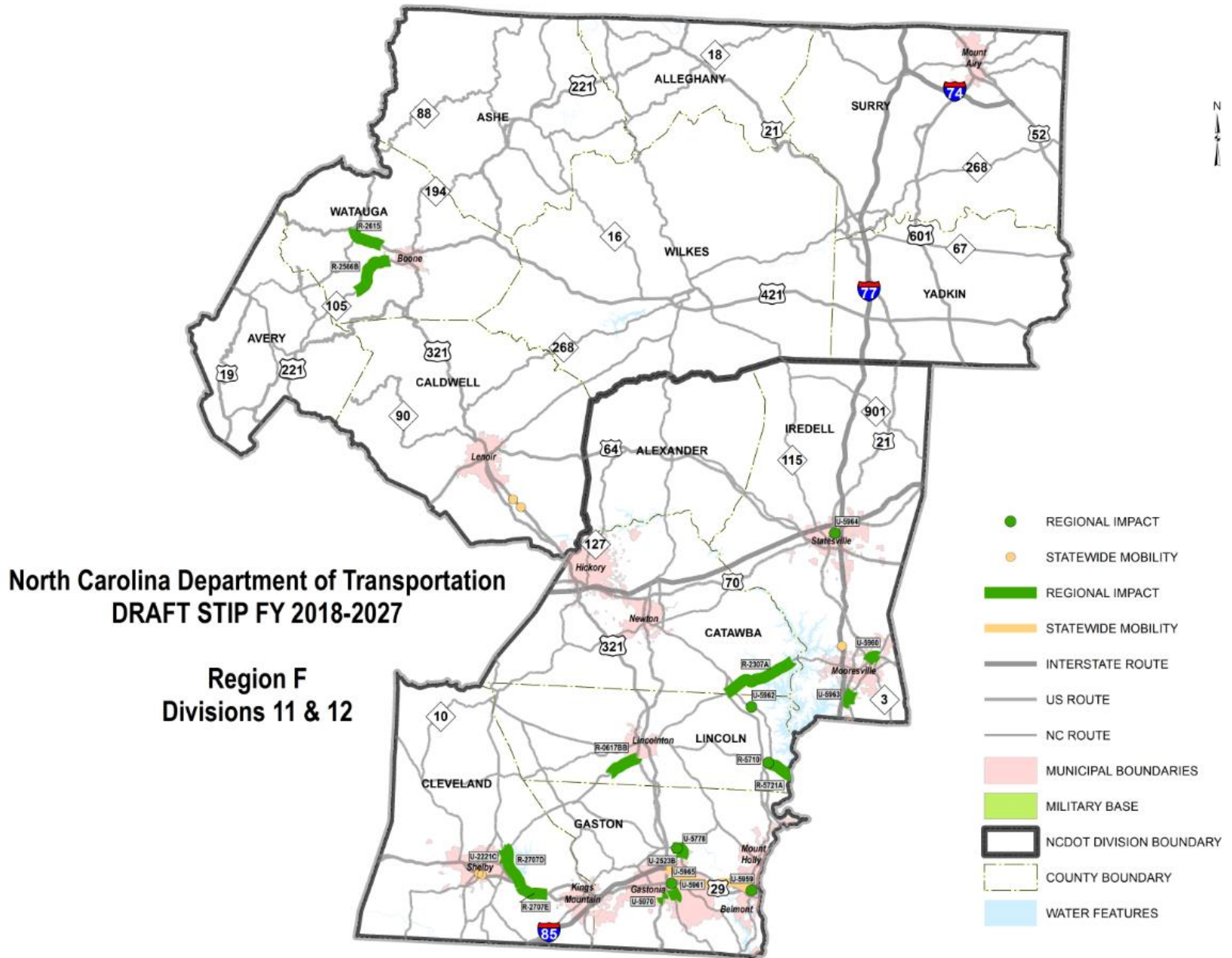
# Draft Programmed Regional Impact Projects: Region E



North Carolina Department of Transportation  
DRAFT STIP FY 2018-2027

Region E  
Divisions 8 & 10

# Draft Programmed Regional Impact Projects: Region F



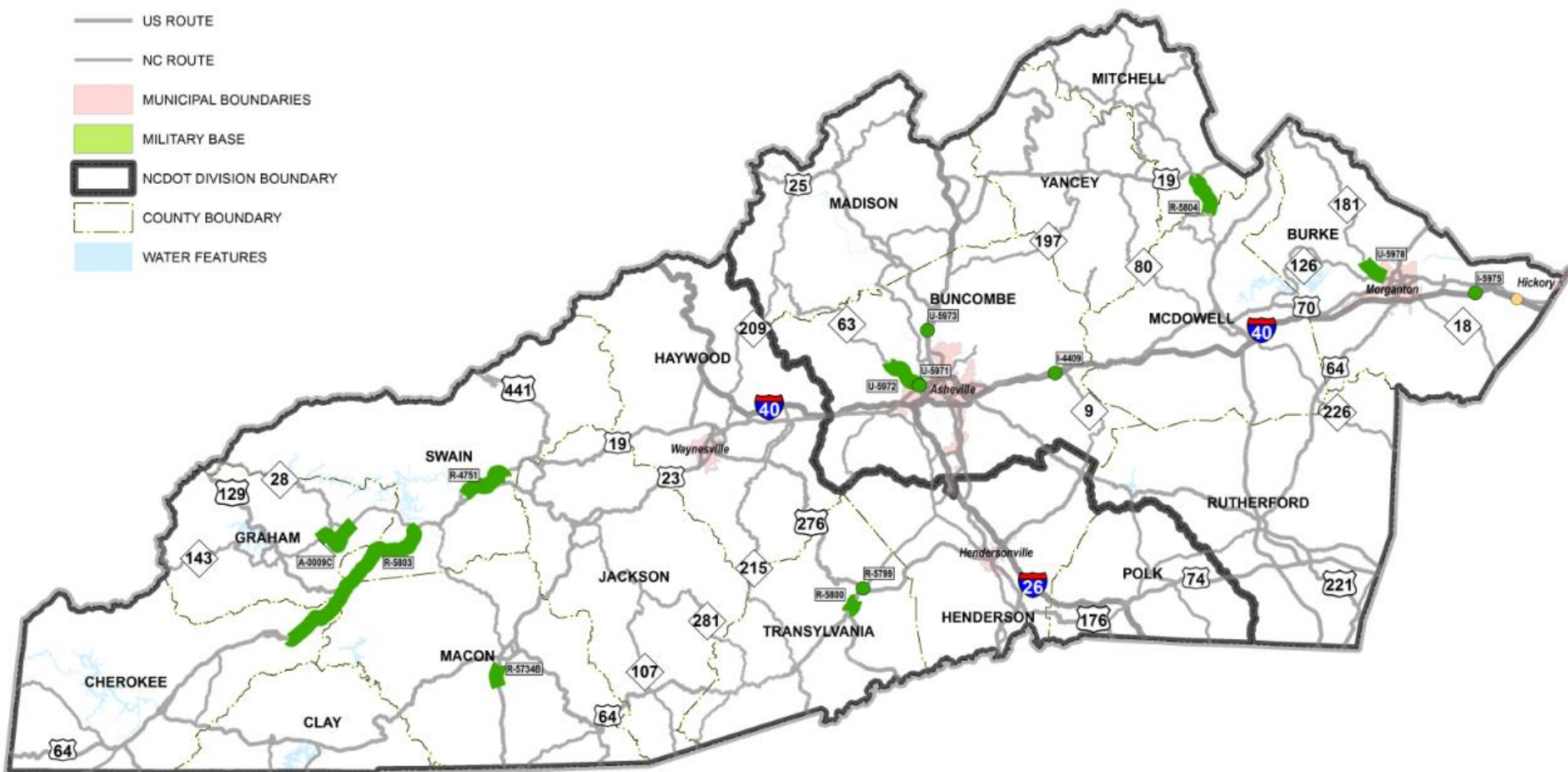
# Draft Programmed Regional Impact Projects: Region G

North Carolina Department of Transportation  
DRAFT STIP FY 2018-2027



## Region G Divisions 13 & 14

- REGIONAL IMPACT
- STATEWIDE MOBILITY
- REGIONAL IMPACT
- STATEWIDE MOBILITY
- INTERSTATE ROUTE
- US ROUTE
- NC ROUTE
- MUNICIPAL BOUNDARIES
- MILITARY BASE
- ▭ NCDOT DIVISION BOUNDARY
- ▭ COUNTY BOUNDARY
- WATER FEATURES



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## *Contact Information*

### **David Wasserman, P.E.**

NCDOT Strategic Prioritization Office /  
STIP Western Region  
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### **Sarah Lee**

NCDOT Strategic Prioritization Office  
(919) 707-4742  
[selee@ncdot.gov](mailto:selee@ncdot.gov)

**STRATEGIC  
TRANSPORTATION  
INVESTMENTS**  
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<http://www.ncdot.gov/strategictransportationinvestments/>





Board of Transportation, September 7, 2016

*Product Evaluation Program Awareness*

Jessica Kuse, PE and Natalie Roskam, PE



# *Innovative Technologies and Products Awareness Plan Overview*

## **Strategy**

### *✓ Marketing and Communications*

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

### *✓ Information Technology*

- Improve our internal efficiencies and the evaluation process

### *✓ Product and Technology Implementation*

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



# Marketing and Communications

- Transportation Research Board conference
- Quarterly Newsletter
- Meeting with PEP liaisons



## NCDOT Value Management Quarterly

Visit us at Inside NCDOT: <https://inside.ncdot.gov/Teams/valuemanagement/pages/default.aspx>

**Value Management Office**

The Value Management Quarterly provides current highlights for the multiple programs within Value Management:

- Constructability Review Program
- Product Evaluation Program
- Post-Construction Assessment Program
- Value Engineering Program
- Value Engineering Change Proposals
- Risk Assessment Program
- Resource Conservation Program



August 2016



Using Resiplast H100 polyurethane foam (NF16-7443 )to fill a void under a pipe at the I-40 ramp at Gorman Street in Raleigh on the FORTIFY project on July 12, 2016.



Testing polyurethane foam injected into a simulated slab to verify density and coverage.

**Product Evaluation Program (PEP)**

The Product Evaluation Program reviews new and innovative technologies and products and maintains the Approved Products List for the Department. Our Geotechnical engineers recently met with Rick Stoehr, Director of Research and Development for NCFI Polyurethanes in Mount Airy. Mr. Stoehr provided a tour of the NCFI research facility and manufacturing plant. The engineers witnessed the product testing of NCFI's polyurethane foam product. NCFI has been producing polyurethane foam products since 1986. These chemical grouts are used for slab jacking to correct settlement and stability problems by injecting foam under concrete slabs to raise or lift slabs and fill voids under slabs in a minimally invasive way. The tests were conducted to determine how this type product performs in both dry and wet conditions. Voids under concrete slabs can be created with water ingress and water is typically present under slabs. This polyurethane grout product is a high density, closed celled

**Value Engineering Program (VEP)**

We have completed three Value Engineering Studies recently: One Section of the Shelby Bypass (R-2707C), NC 211 in Brunswick County (R-5021), and two Sections of the Fayetteville Outer Loop (U-25198A/BB). The last two Studies have been facilitated by Private Engineering Firms (PEF) and have given a different perspective on the process. We also used two PEF project experts in the first Study with good results. Our next three day VE Training Session is currently scheduled for late August. In the training, we will apply the entire VE process to projects I-4700A/B and I-4400C which will improve I-26 in Henderson and Buncombe Counties. We also have a study of NC 150 in Catawba and Iredell Counties (R-2307B) to be scheduled this fall. For more information or to schedule a study on your project, contact David Smith at [davidsmith@ncdot.gov](mailto:davidsmith@ncdot.gov).



# Information Technology

- Developing new website and product application portal

The screenshot displays the 'Connect NCDOT BUSINESS PARTNER RESOURCES' website. The top navigation bar includes links for Home, Help, Team Sites, and Site Map. Below this is a search bar and a menu with categories: Doing Business, Bidding & Letting, Projects, Resources, and Municipalities. The main content area is titled 'Product Evaluation > Product Submittal'. A sidebar on the left lists navigation options: Product Evaluation, My Submittal Products, Technical Work Groups, Project-Documentation, and Recent. The main form area is titled 'Attaching Documents - use the link provided in the ribbon above' and includes 'Instructions and Guidelines to complete this form'. A yellow warning box states: 'Items on this list require content approval. Your submission will not appear in public views until approved by someone with proper rights. More information on content approval.' Below this is the 'PRODUCT INFORMATION' section with the following fields: Product Name \* (text input), Model Number (text input), APL Category (dropdown menu with '(None)' selected), APL Category (2nd Choice) (dropdown menu with '(None)' selected), APL Category (3rd Choice) (dropdown menu with '(None)' selected), and Product ID (text input). A note at the bottom of the form reads: 'If this product was previously submitted to NCDOT, enter the assigned Product ID; the format is NDVv-'. The NCDOT logo is visible in the bottom right corner.



# *Product and Technology Implementation*

- Proposed Research: Product Evaluation Tracking Tools and Product Categories
- 23 Products Accepted for Field Trial Use



## Quarterly Product Status Review

Product Name	Review Status	Presented
Turtle Friendly Red Flood Light	Approved for Provisional Use	January 7, 2016
Lookout Warning Alert	Approved	February 4, 2016
Gatorbar	Accepted for Field Trial Use	March 3, 2016
MoorMaster - Automated Mooring System	Unapproved	April 7, 2016
RenewWrap ESR	Requested Additional Information	May 4, 2016
Rhino Lining Sectional Liner	Under Evaluation	June 1, 2016
Ace Fiber	Under Evaluation	June 29, 2016
Presto Geoweb	Requested Additional Information	August 3, 2016



## *Product Highlight (Approved)* *TerraDrain®*

- TerraDrain® is a prefabricated drain with a polystyrene drainage core bonded to a nonwoven filter fabric.
- The filter fabric prevents soil intrusion into the flow channels allowing water to freely enter the drain core from one side.
- May replace aggregate for certain drainage applications.



## *Product Highlight (Under Evaluation)*

### *Asphalt-Rubber Stress Absorbing Membrane*

- Crumb rubber modifier is recycled tire rubber which has been ground into very small particles to use as a flexible aggregate to asphalt.
- Rubber added to asphalt can contribute to improved rutting resistance, skid resistance, ride quality, pavement life and reduced pavement noise levels.







*Procurement and Administration  
Professional Services Contracts*

Robert J. Stroup, PE, Manager  
Professional Services Management Unit



# *Professional Services Contracts and Requirements*

Professional or Specialized Services Contracts contribute to the planning, design, maintenance, repair, and construction of transportation infrastructure.

- NC law requires professional services of an architectural or engineering nature be performed or approved by a person licensed, registered, or certified to provide the services.
- Examples include:
  - surveying and mapping
  - planning studies
  - environmental studies (biological evaluations, community impact assessments, noise and air studies)
  - preliminary engineering and design
  - geotechnical investigations
  - construction engineering and inspection

Procurement is a qualifications-based selection process in accordance with:

1. NCDOT's "Policies and Procedures for Procurement and Administration of Major Professional or Specialized Services Contracts", adopted by the Board of Transportation on June 30, 2016 ("Policies and Procedures");
2. Appropriate laws and regulations are referenced in the "Policies and Procedures".

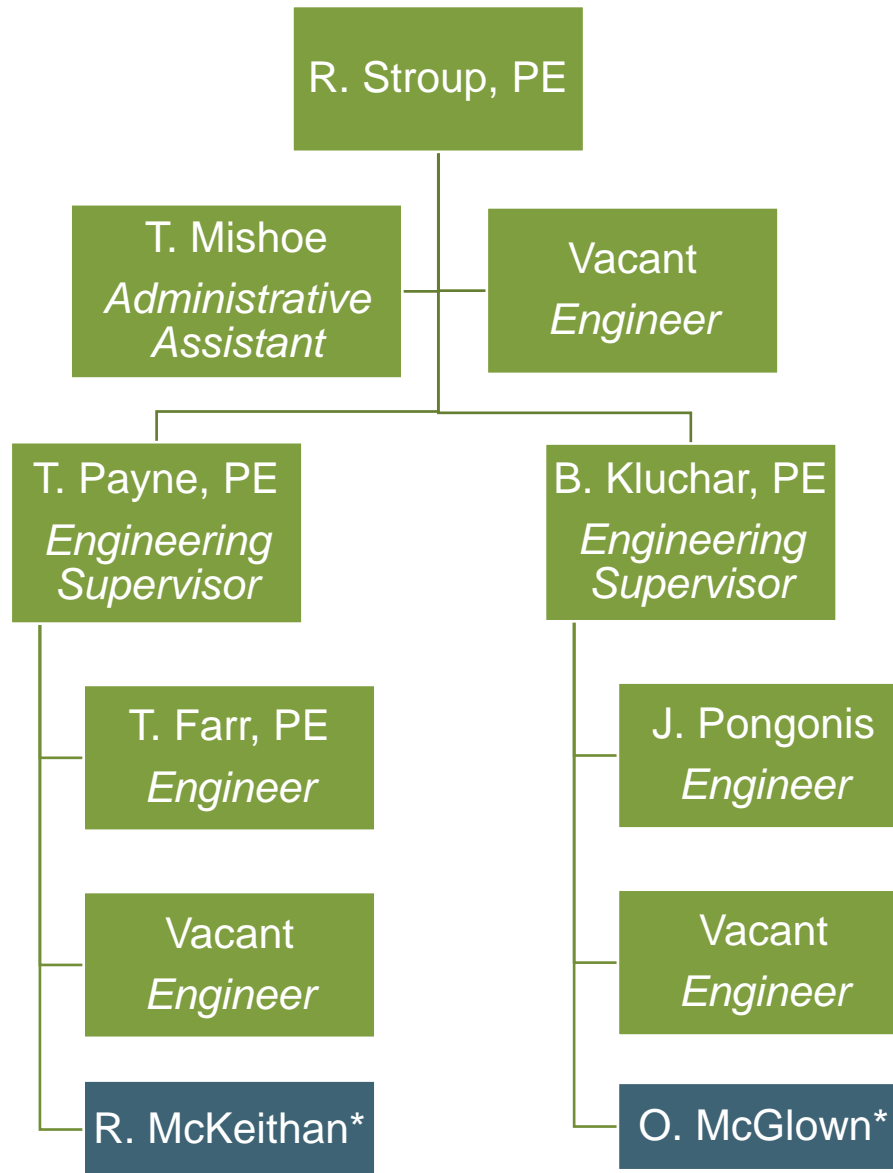


# *Definitions Related to Professional Services Contracts*

- **Letter of Interest (LOI) (Proposal)** – An expression of interest by a Firm for performing specific services as advertised by NCDOT.
- **Limited Services Contract (LSC) (or Agreement) (LSA)** – An “as-needed basis” contract used to establish a maximum dollar amount for professional or specialized services to be performed during a specified contract period. During the contract period, task orders, which include scope of services, schedule, and total compensation, can be negotiated with the Firm. The Firm can begin work once a Notice to Proceed is issued.
- **Project-Specific Contract** – A contract between NCDOT and consultant for the performance of services and defined scope of work related to a specific project or projects. The fully-executed Project-Specific Contract represents the full scope of services required by NCDOT.
- **Purchase Order (PO)** – A “contract” that represents a Task Order or Work Order assignment given to a Firm, generally under a Limited Services Contract.



# Professional Services Management Unit



\* Borrowed from other units

# *Contract Awards*

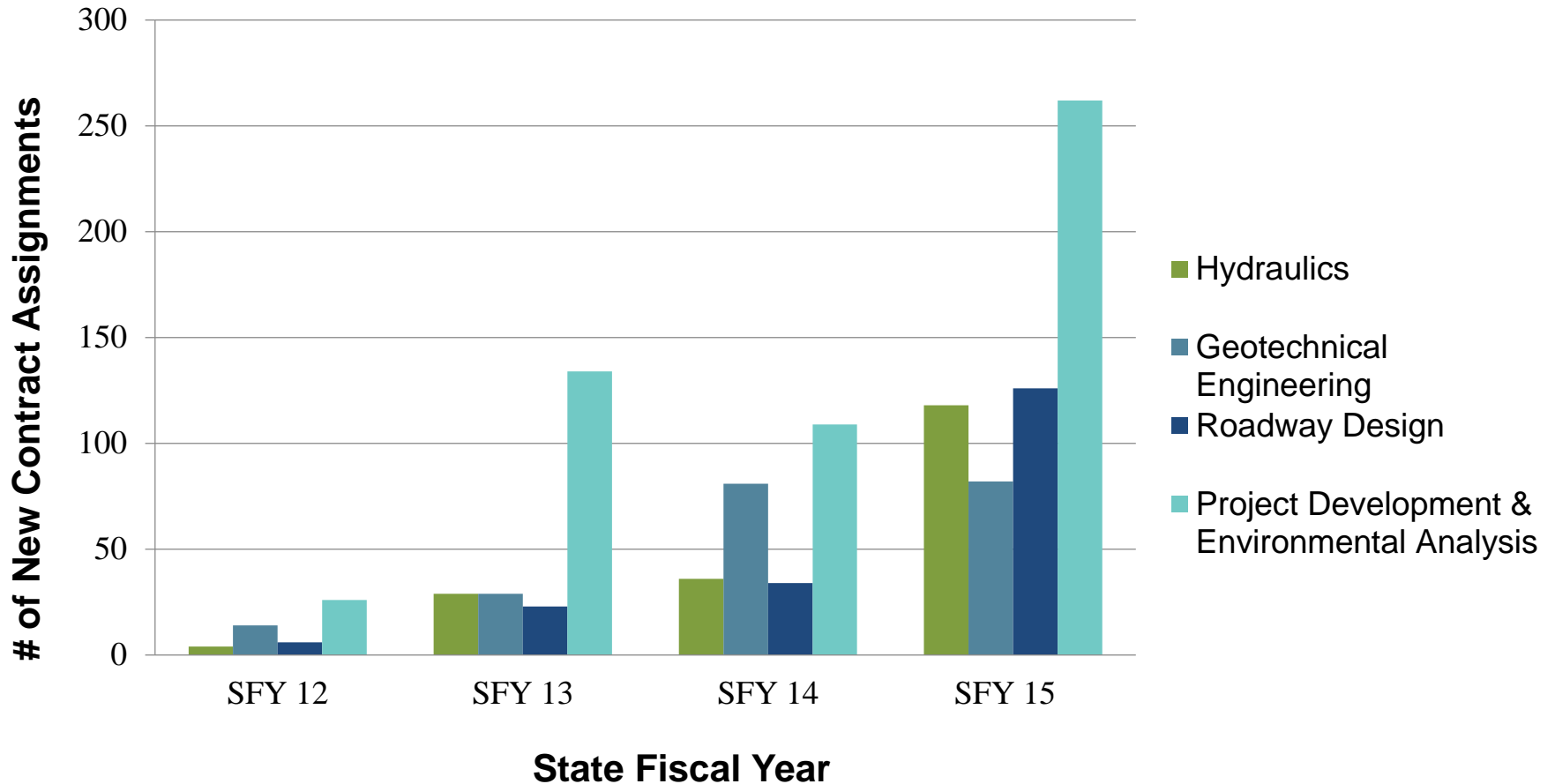
## **Year to Date (# of Contracts)**

- In 2016, 2245 Items completed (Contracts, Task Orders, etc.)
  - 137 original (and 101 supplemental) Limited Services Contracts (LSCs)
  - 1549 original (and 393 supplemental) Purchase Orders issued under LSCs
  - 34 original (and 31 supplemental) Stand-Alone (Project-Specific) Contracts
- In 2015 (similar period), 1666 Items completed (Contracts, Task Orders, etc.)
  - 94 original (and 104 supplemental) Limited Services Contracts (LSCs)
  - 1155 original (and 265 supplemental) Purchase Orders issued under LSCs
  - 23 original (and 25 supplemental) Stand-Alone (Project-Specific) Contracts

## **Year to Date (Maximum \$ Value of Contracts)**

- \$263 M awarded in Contracting Authority (this does not represent expenditures)
  - \$63 M to SPSF's (24.1%)
- Projecting ~\$450 M for the calendar year

# *New Contract Assignments*



# Professional Services Contracting Process



*\* Delegated to Division / Business Unit*

## Advertise

- Business Unit/Division (BU/D) identifies the need for Professional Services
- PSMU coordinates BU/D on Advertisement specifics (scope, contract terms, contract length, payment terms)
- Advertisement posted to public website instructing Firms to submit a Letter of Interest (LOI) to the Department for consideration of selection.

## Select Firm

- PSMU and Division/Business Unit assemble a Selection Committee that make qualifications-based consultant selections for project specific contracts as well as limited service agreements.
  - The NCDOT Selection Committee reviews all qualifying LOI submittals.
  - For Limited Services Contracts (On-Call type contracts), the NCDOT Selection Committee may, at the Department's discretion, choose any number of firms to provide the services being solicited.
  - For Project-Specific Contracts (non On-Call type contracts), the Selection Committee may, at the Department's discretion, shortlist a minimum of three (3) firms to be interviewed.
- PSMU debriefs prospective consultants (those requesting such service) on the relative merits of their letters of interest or qualifications.

# Professional Services Contracting Process



*\* Delegated to Division / Business Unit*

## Prepare Contract

- PSMU prepares Board of Transportation Agenda Items for Secretary's approval.
- PSMU prepares contracts

## Execute Contract

- Firm and NCDOT execute contract
- PSMU issues contract Notice to Proceed (NTP)

## Create Purchase (Task) Orders

- Delegated to the Business Units / Divisions to make Task Order assignments and to issue Purchase (Task) Orders



# *Improvement Efforts*

- Delegated authority on Task Order Notice to Proceed to Divisions/Business Units and provided related training
- NCDOT Standard Manday Estimate Form (Six Sigma Project)
- Using DocuSign to expedite contracts
- Updated Departmental “Policies and Procedures for Procurement and Administration of Major Professional or Specialized Services Contracts” (June 2016)
- Broadening small and disadvantaged firms participation (underway)
  - Ensure prompt payment
  - Ensure prime consultants honor their commitment to subconsultants, especially small and disadvantaged firms
  - Consider goals for preconstruction contracts
- Standard Contract Provisions
  - Outlined in “Policies and Procedures”



*Questions?*





Transportation

# JOINT COMMITTEE MEETING (FAST/EDIR) MEETING MINUTES

DATE: 7/3/2016 TIME: 1:45 LOCATION: 150

<b>MEETING CALLED BY</b>	FAST Chairwoman Cheryl McQueary
<b>BOARD ATTENDEES</b>	FAST Chairwoman Cheryl McQueary, FAST Vice Chairman Jim Crawford, EDIR Vice Chairman Hugh Overholt, Mr. David Brown, BOT Chairman Ned Curran, Ms. Tracy Dodson, Mr. Jack Debnam, Mr. Malcolm Fearing, Mr. Jim Palermo, Mr. Ferrell Blount, Mr. Patrick Molamphy, Mr. Gus Tulloss, Mr. Jake Alexander, Ms. Sandra Fountain, Mr. Jeff Sheehan, Mr. Lou Wetmore, Mr. David Tyeryar (staff), Mr. Sebastian Montagne (Staff)

## AGENDA TOPICS

<b>1. MEETING CALL TO ORDER AND APPROVAL OF JUNE MINUTES – CHAIRWOMAN McQUEARY</b>	
<b>DISCUSSION SUMMARY</b>	Motion: Mr. Tulloss, Second: Mr. Fearing
<b>ACTIONS TAKEN</b>	Approved unanimously

<b>2. CAMP LEJEUNE RAIL STUDY – PAUL WORLEY</b>	
<b>DISCUSSION SUMMARY</b>	Presentation on the feasibility and advisability of establishing commercial freight rail service on the Camp Lejeune Rail Line. The scope of study included an economic development evaluation, market forecast, infrastructure condition assessment, governance review and stakeholder coordination. Camp Lejeune’s concerns include maintenance costs and funding, liability associated with private use of military facility, alternatives for ownership control and operation of the CPLJ. Potential benefits from rail access to cost-effectively move large or heavy materials or products, availability of local workforce and the forecast for sustained, positive growth or continued strength as well as the potential economic benefits in construction, manufacturing, salaries and land values. The tracks are in good condition with upgrades needed on curves for heavy freight use. Any agreements would need to include priority for military shipments, a clear definition of improvements and operations to be assumed by Railroad, standards, responsibility and compensation for baseline maintenance costs, a limitation of railroad responsibility for repairs or capital replacements and an assignment of liability for railroad operations.
<b>ACTIONS TAKEN</b>	Information only. No action taken.

<b>3. GTP UPDATE – RICK BARKES</b>	
<b>DISCUSSION SUMMARY</b>	Presentation on the history and background of the North Carolina Global TransPark. The GTP is a state-owned site with one of the longest commercial runways on the East Coast. They have a 25-year agreement allowing the military to use the runway for training, the airport was designated by USTRANSCOM as an alternate point of embarkation and debarkation for the USMC. Other features include a rail spur connection to NCR, Foreign Trade Zone #214, an onsite training facility, high-speed fiber optic backbone and a property tax exemption on GTP-owned facilities. He reviewed the 2016 Airport Economic Contribution Study which showed the economic impact of Kinston Regional Jetport reference jobs, income and taxes. He discussed the current tenants.
<b>ACTIONS TAKEN</b>	Information only. No action taken.



Transportation

# JOINT COMMITTEE MEETING (FAST/EDIR) MEETING MINUTES

<b>4. MONROE EXPRESSWAY – DAVID TYERYAR, LAMAR SYLVESTER, DAVID MILLER</b>	
<b>DISCUSSION SUMMARY</b>	Presentation included an overview on the segments and sections, as well as the status of the construction activities in various sections. They updated the committee on the Right of Way acquisitions and toll collection system. They presented a brief look ahead for the next few months as well as a milestone schedule with ITS integration July 2018, substantial completion by November 2018 and final completion in May 2019. David Miller discussed project costs and funding to include Bonds, STIP funding and a TIFIA loan.
<b>ACTIONS TAKEN</b>	Information only. No action taken.

Adjourned: 2:41



# ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS COMMITTEE AGENDA

## BOARD OF TRANSPORTATION SEPTEMBER 7, 2016

**TIME: 1:45PM**

**LOCATION: Room 150**

<b>TOPIC</b>	<b>PRESENTER</b>	<b>TIME</b>
Welcome	Terry Hutchens, Chair	1:45-1:50
NC State Freight Plan Overview	Terry Arellano, TPB	1:50-2:35
Discussion & Adjourn	All	2:35-2:40



Transportation

# JOINT COMMITTEE MEETING (FAST/EDIR) MEETING MINUTES

DATE: 7/3/2016 TIME: 1:45 LOCATION: 150

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<b>ACTIONS TAKEN</b>	Information only. No action taken.

<b>3. GTP UPDATE – RICK BARKES</b>	
<b>DISCUSSION SUMMARY</b>	Presentation on the history and background of the North Carolina Global TransPark. The GTP is a state-owned site with one of the longest commercial runways on the East Coast. They have a 25-year agreement allowing the military to use the runway for training, the airport was designated by USTRANSCOM as an alternate point of embarkation and debarkation for the USMC. Other features include a rail spur connection to NCR, Foreign Trade Zone #214, an onsite training facility, high-speed fiber optic backbone and a property tax exemption on GTP-owned facilities. He reviewed the 2016 Airport Economic Contribution Study which showed the economic impact of Kinston Regional Jetport reference jobs, income and taxes. He discussed the current tenants.
<b>ACTIONS TAKEN</b>	Information only. No action taken.



Transportation

# JOINT COMMITTEE MEETING (FAST/EDIR) MEETING MINUTES

<b>4. MONROE EXPRESSWAY – DAVID TYERYAR, LAMAR SYLVESTER, DAVID MILLER</b>	
<b>DISCUSSION SUMMARY</b>	Presentation included an overview on the segments and sections, as well as the status of the construction activities in various sections. They updated the committee on the Right of Way acquisitions and toll collection system. They presented a brief look ahead for the next few months as well as a milestone schedule with ITS integration July 2018, substantial completion by November 2018 and final completion in May 2019. David Miller discussed project costs and funding to include Bonds, STIP funding and a TIFIA loan.
<b>ACTIONS TAKEN</b>	Information only. No action taken.

Adjourned: 2:41



# HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 08-03-2016 TIME: 10:30 AM – 12:00 PM LOCATION: 150

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

## AGENDA TOPICS

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

2. FY 17 MAINTENANCE ALLOCATIONS – DELBERT RODDENBERRY, PE	
DISCUSSION SUMMARY	<p>Per Session Law 2016-94, the FY 2017 Appropriations for Maintenance which include the General Maintenance Reserve (GMR), Pavement Preservation, Contract Resurfacing and the Bridge Program, total approximately \$1.3B. In years past, the Maintenance appropriations came to the Department in 3 areas: Primary, Secondary and GMR. This year's funding was allocated a bit differently in that all the funds are transferred to the GMR. This gave the Department more flexibility to use the funds on either primary or secondary systems. As legislatively instructed, a workshop was held on July 7, 2016 with the Division Engineers, Division Maintenance Engineers and Chief Engineer's Office staff to discuss the distribution of the GMR funds to each of the 14 Divisions. The four enterprise programs are funded as follows: Emergences (\$90M), Research &amp; Development (\$550,000), Asset Management &amp; Operations (\$17.8M), and State &amp; Federal Obligations (\$21.8M). The remainder of the funds is allocated to each of the 14 Divisions. At the workshop, the Divisions came to the consensus that the allocation would be based 65% on inventory and 35% on assessed and non-assessed needs. The inventory is based on two components: 70% roads (lane miles) and 30% bridges (SF of deck area). In accordance with Session Law 2015-241, a total of \$89.2M of the \$497.9M of Contract Resurfacing appropriation is distributed equally to each of the counties, \$2.3M will be used for statewide pavement condition assessments, and the remaining funds are allocated by the inventory/needs distribution formula. Of the \$242M in the Bridge Program, \$75M was allocated for planning, right of way and construction of centrally-managed bridge projects. The remaining \$167M was distributed to the Divisions with each receiving a base of \$6M plus an amount distributed based on need. (The needs of each Division are based on the number of Structurally Deficient bridges.) The dollar distribution for the past FY and this FY were reviewed. In ensuing discussion, it was decided that a presentation on how needs are defined and calculated will come to the committee next month.</p>
ACTIONS TAKEN	



# HIGHWAYS COMMITTEE MEETING MINUTES

<b>3. FAYETTEVILLE OUTER LOOP UPDATE – GREG BURNS, PE</b>	
<b>DISCUSSION SUMMARY</b>	<p>The planning of the Fayetteville Outer Loop (I-295) project began in the late '80's. By 2005, the I-95 to Ramsey Street section was completed with the Ramsey Street to Bragg Boulevard section to open by August 2016 and the Bragg Boulevard to All American Freeway (AAF) to follow by the end of 2016. The section from AAF to Cliffdale Road will be completed in 2018 and completion of the loop is anticipated by 2025. When finished, the loop will be 39 miles, 254 total lane miles with 85 bridges and 4 flyovers. These structures cross several key corridors with some spanning up to approximately 300' requiring large girders up to 11' in height. One such structure originally required US 401 to be closed at night for up to 3 weeks for construction activities. The contractor developed an idea to preassemble the large girders and use multiple cranes launching from opposite directions that closed 401 for only one weekend. This project is vitally important to the area as it improves mobility and connectivity for the region and provides congestion relief and improved safety on the parallel corridors. The project also supports the Fort Bragg military base by providing interstate access to Fort Bragg as well as aiding in closing Bragg Boulevard through the base. Through the STI legislation, 5 new segments were funded. Cliffdale Road to Raeford Road was recently awarded as a design build contract with an anticipated completion of 2021, Raeford Road to Camden Road has a 2018 let, Camden Road to Parkton Road will let in 2020 and Parkton Road to I-95 south of Fayetteville will let in 2020. This final section was able to be accelerated from 2021 to 202 with the most recent revision of the STIP, made possible through HB97.</p>
<b>ACTIONS TAKEN</b>	

<b>4. AMG CONSTRUCTION – LAMAR SYLVESTER, PE</b>	
<b>DISCUSSION SUMMARY</b>	<p>Automated Machine Guidance (AMG) construction utilizes 3D design along with GPS to allow for stake-less construction. Prior to this technology, surveyors used plan sheets and cross sections to stake locations horizontally and vertically. What once was a 3-4 person operation highly dependent on trial and error built skill can now be accomplished 1 person operating a machine. Prior to AMG, survey stakes were set at 50' intervals with workers pulling string lines to measure cuts and fills. The accuracy and speed of the work was dependent on the skill of the operator. AMG eliminates the need for much of the skilled manual control and labor involved in that traditional method saving time and money. Additional benefits include safety by limiting workers' exposure to moving equipment as well as grade conformity resulting in fewer errors requiring corrective action. Checking the accuracy of the work is still required but the inspectors can also utilize the 3D model and GPS for this work which equates to additional time savings. In 2009, NCDOT worked with the contracting industry to develop special provisions for AMG for Design-Build projects and expanded the use of the specification to Design Bid Build for large grading projects. In 2011, the project stake out manual addressed reducing the staking for AMG contracts and began allowing this technology on all NCDOT projects. Currently 93% of NCDOT contractors utilize AMG technology. The Department will continue to work with the contracting industry to further utilize this technology for project delivery while ensuring specifications are kept up to date.</p>
<b>ACTIONS TAKEN</b>	



# HIGHWAYS COMMITTEE AGENDA

## BOARD OF TRANSPORTATION SEPTEMBER 7, 2016

TIME: 10:30 AM – 12:00 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
Facilities Management	Sterling Baker, PE	20 min
Business 40 Project – Public Involvement Process	Pat Ivey, PE	20 min
FY 2017 Maintenance Allocation Formula	Delbert Roddenberry, PE	20 min
Other Discussion	Jake Alexander	30 min



Board of Transportation Highways Committee

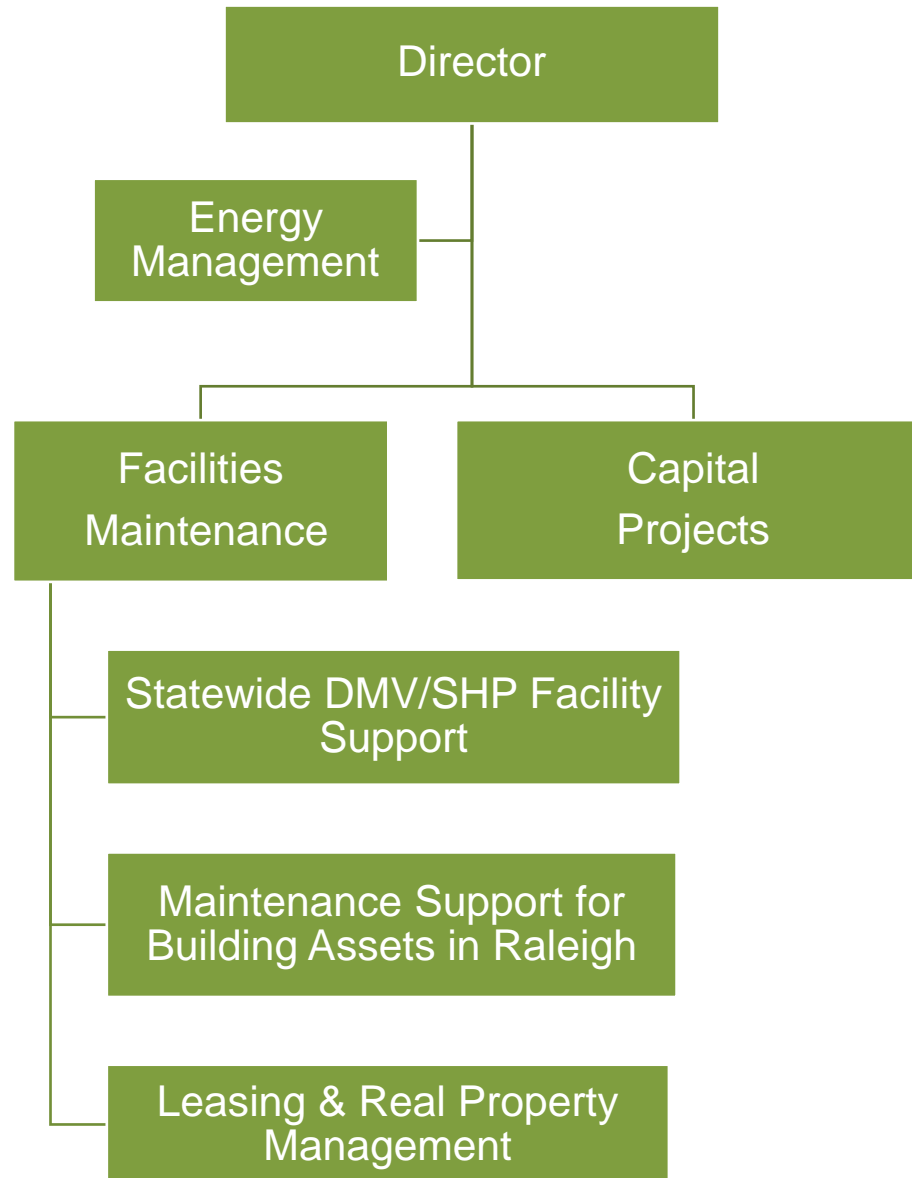
September 7, 2016

*Facilities Management*

Sterling Baker, PE



# Facilities Management Division

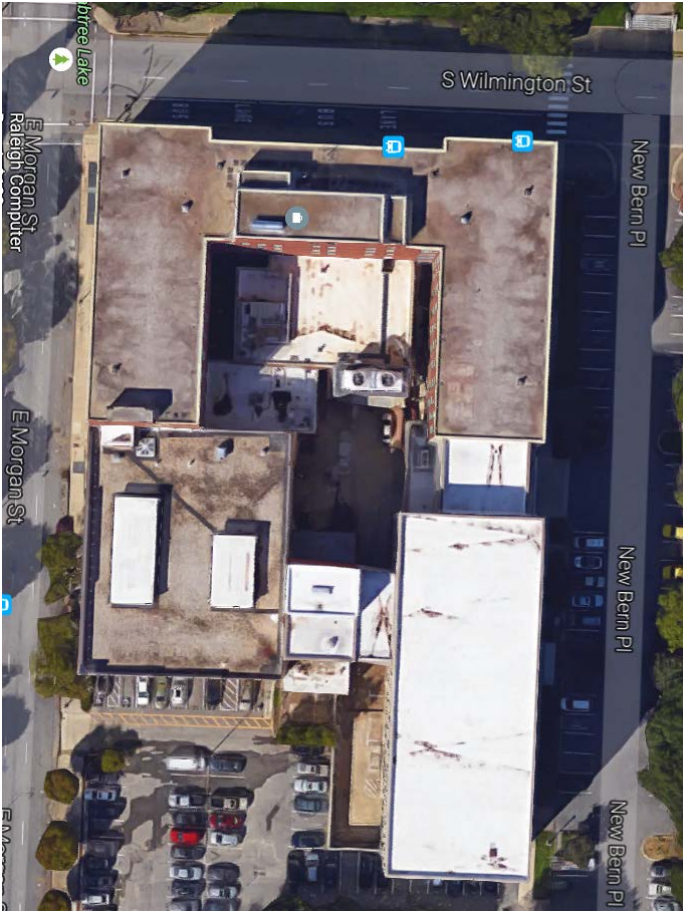


# *Energy Management Responsibilities*

- Annual Strategic Energy Saving Plan
- Oversee & manage Performance Contracting in cooperation with State Energy Office
- Performance Contracts:
  1. Energy Performance Contract for Downtown Raleigh Buildings
  2. Statewide Highway Lighting Contract



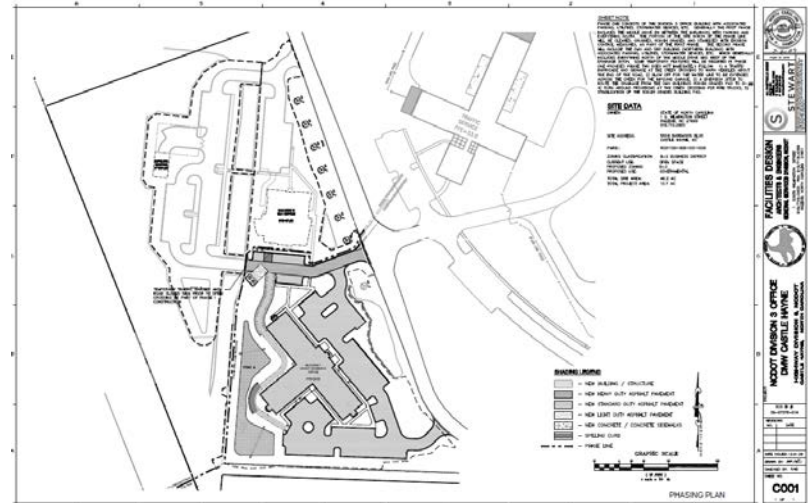
# Facilities Maintenance



- Coordinate maintenance needs statewide for Department's 2,347 buildings
- DMV & SHP buildings:
  - 99 buildings statewide
  - 9 Maintenance Mechanics
- Raleigh Building Complexes:
  - 11 buildings
  - 8 Maintenance & HVAC Mechanics
- Coordinate Leasing & Real Property Management statewide

# Capital Projects Office

- Develop & Maintain:
  - Facility Condition Assessment Program
  - Six Year Capital Improvement Program
- Contract Administration for statewide Capital Projects including oversight of:
  - Design
  - State Construction Office Reviews
  - Contract Bidding & Award
  - Construction Administration
  - Final Approval & Occupancy



# *Capital Projects Office*

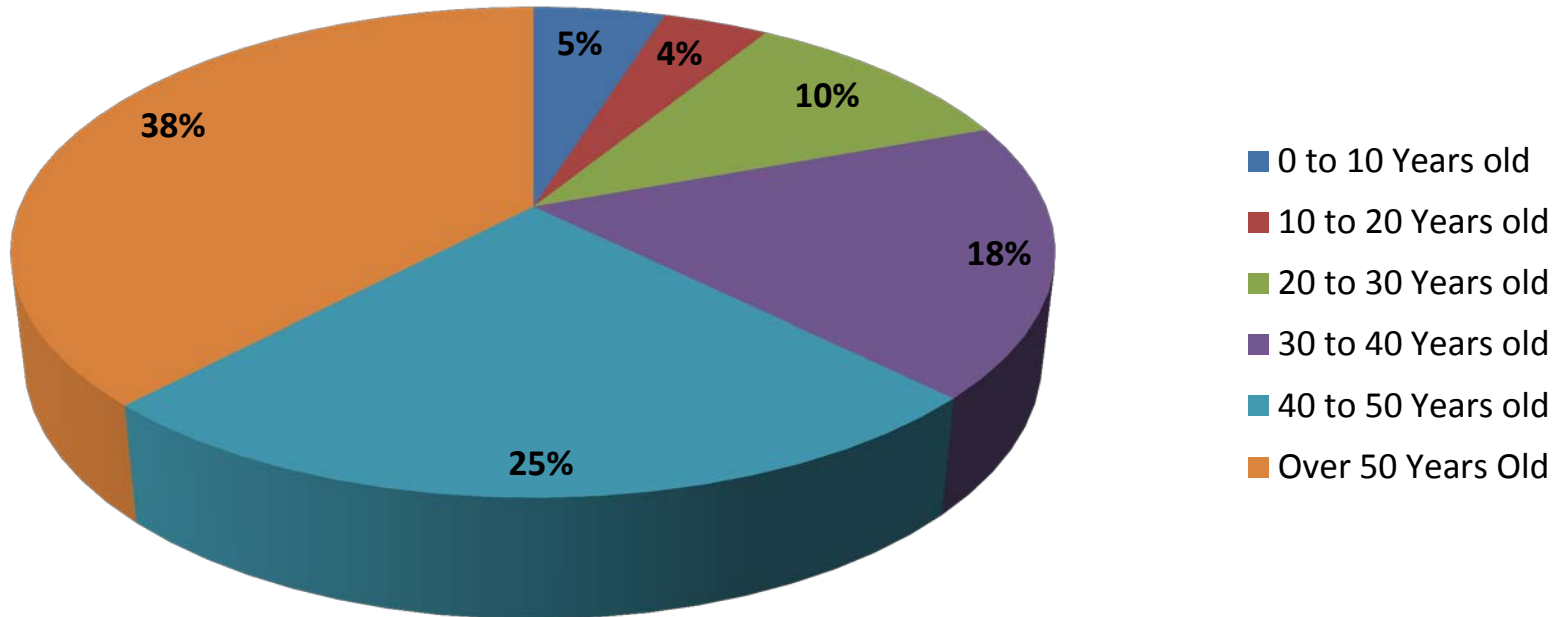
- Manage the intensive or large scale Repair and Renovation projects.
- Design and Manage the construction of Salt Domes & Salt Storage Bays for the State Road Maintenance unit
- Perform Space Analysis Reviews to provide optimization of NCDOT owned and leased facilities





# Physical Plant Composition

## Approximate Age of DOT Buildings



Total physical plant: 2,347 buildings (10.35 MSF)

63% of facilities are over 40 years old (Average Asset Age = 52 yrs)



*Questions?*





Board of Transportation Highways Committee

September 7, 2016

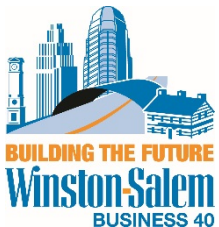
*Business 40 Project –  
Public Involvement Process*

Pat Ivey, PE, Division 9 Engineer

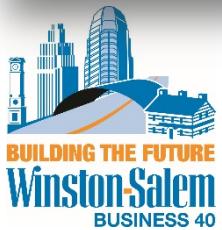


# Agenda

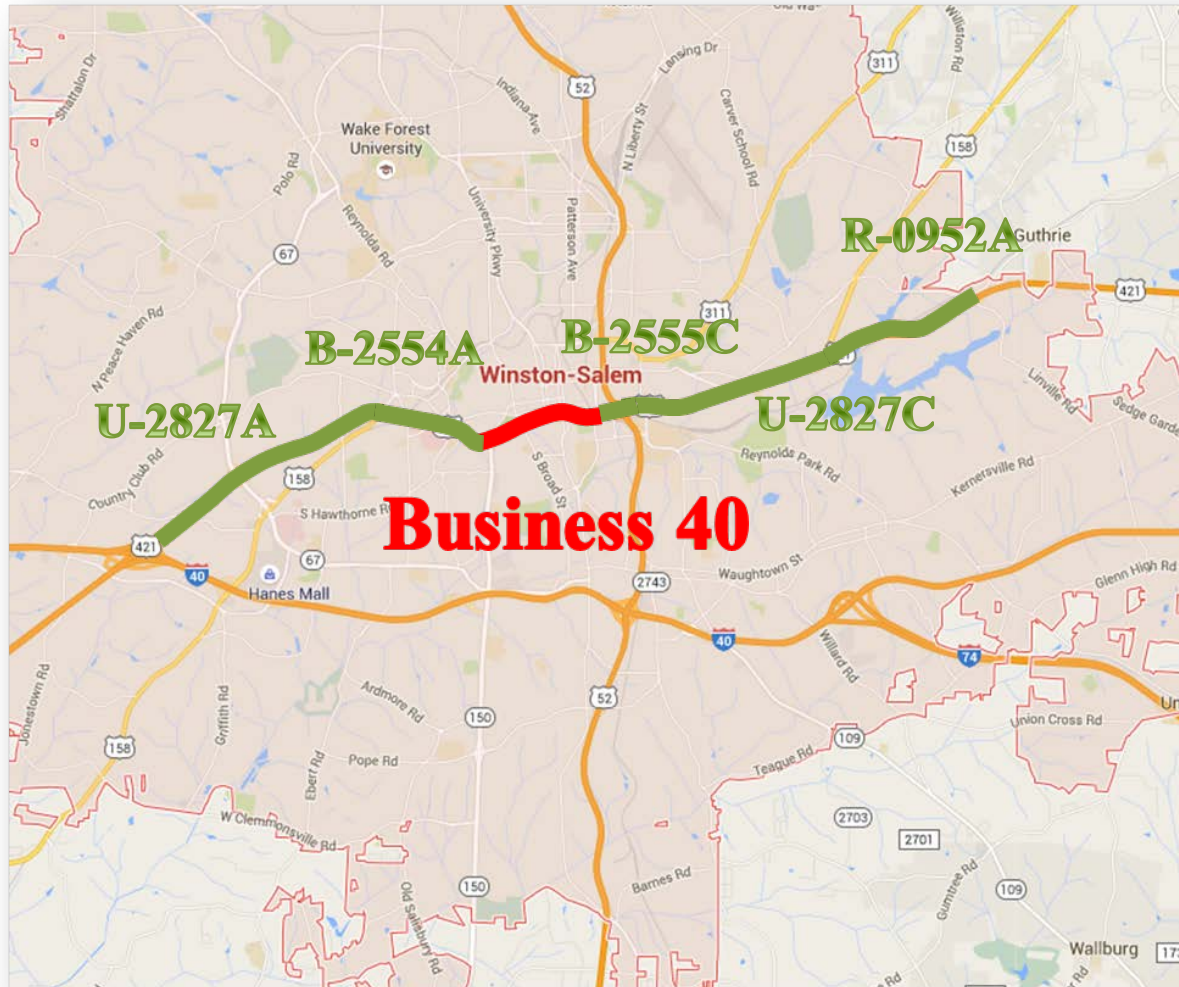
- Brief history
- Proposed Business 40 improvements
- Public Involvement Plan and process
- Initial outreach efforts
- Construction options
- Public preferences
- Marketing and communication
- Lessons learned



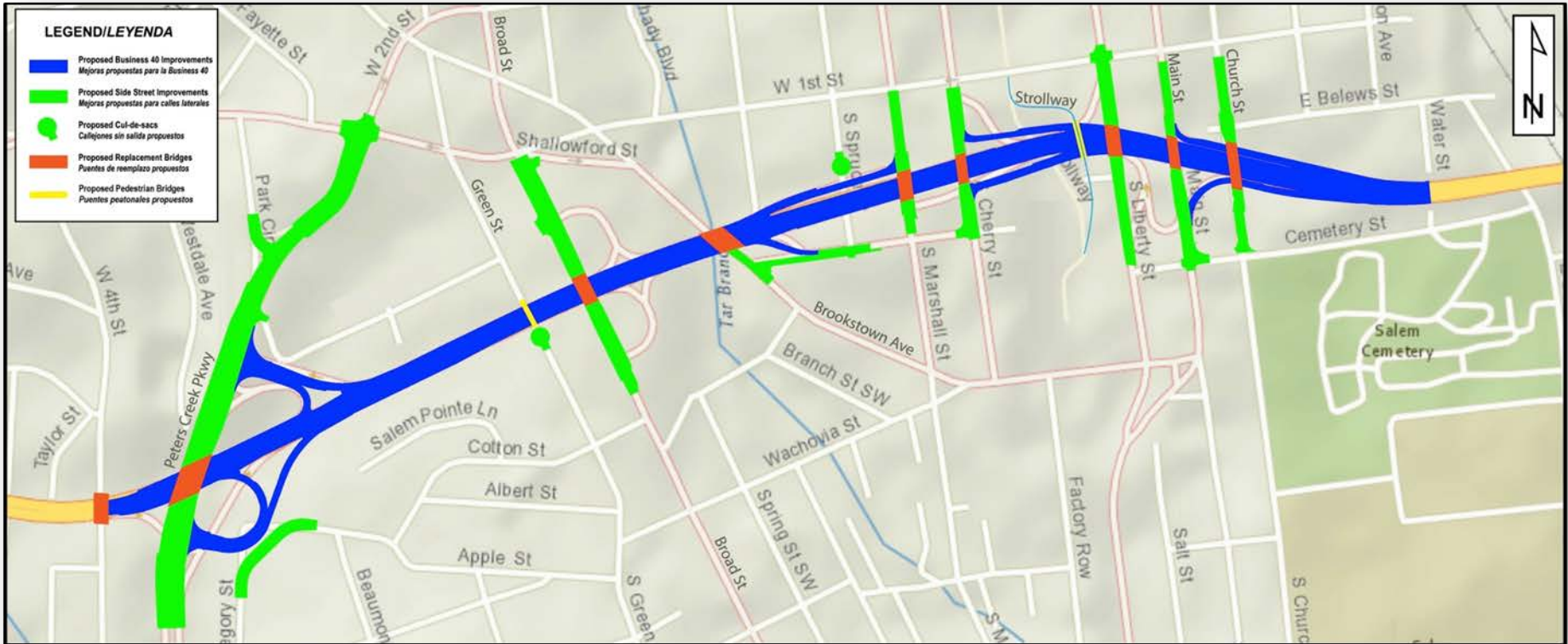
# *Business 40 - History*



# Business 40 - History



# Business 40 – The Project



*Let's take a step back and see how we got to this point...*





## *ACTT Conference discussions:*

- Gathered engineers, planners and consultants to examine the goals and objectives of the project and establish the planning priorities:
  - Determine what infrastructure repairs were necessary, as well as what bridges needed to be reconstructed.
  - Identify options to complete the repairs in a cost-effective manner while creating the least amount of disruption for the traveling public.
  - Develop possible construction options – a full closure or partial closure?
  - Develop an outreach plan that would involve the public and reach the environmental justice populations and commuters.



*First, NCDOT needed to decide:*

# HOW *before* WHAT

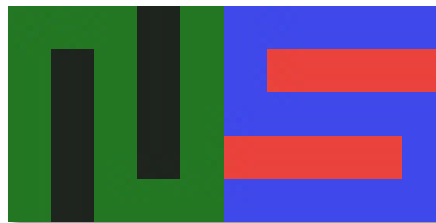
- **HOW** do we conduct public outreach?
- **HOW** would the project be built...full or partial closure of Business 40?



*To assist NCDOT, a team of  
Public Involvement Consultants were hired in 2007*

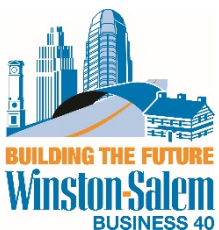
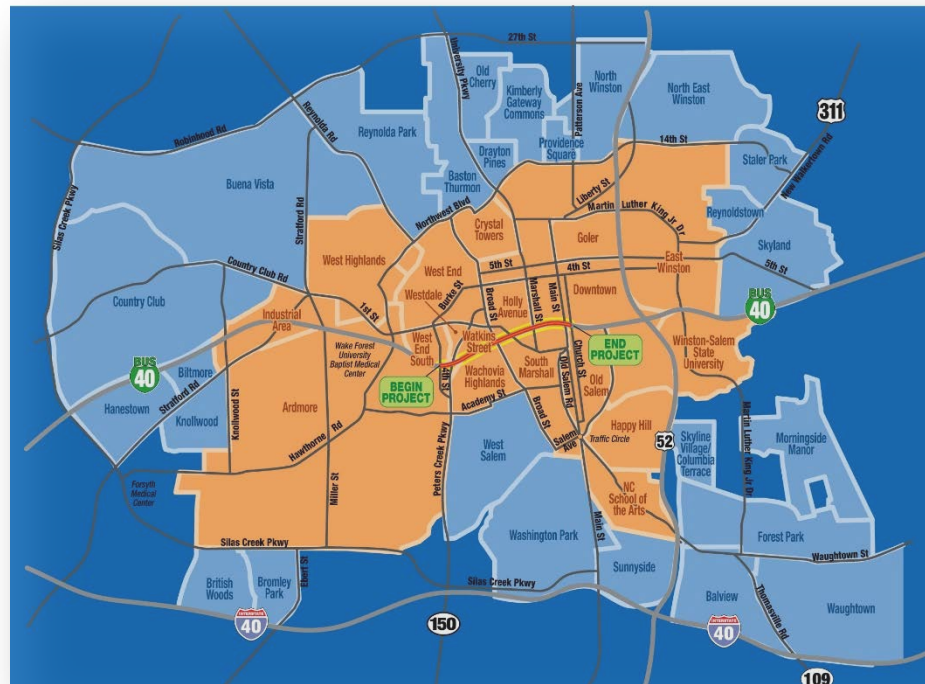
- Atkins
- Neighborhood Solutions
- Simon Resources

# ATKINS



# 1<sup>st</sup> Task – Develop a Public Involvement Plan

- The Plan established goals and objectives that would:
  - Create project branding.
  - Educate the public to engage them throughout process.
  - Collect public preferences.
  - Provide inclusiveness.



## *2<sup>nd</sup> Task – Develop a “Process” that would:*

- Involve the public early and often.
- Build community consensus regarding the closure.
- Include Environmental Justice to involve all people.
- Provide a multi-tiered approach to maximize participation.
- Identify the public’s concerns; respond to those concerns.
- Include perspective from a Statewide level.
- Provide early involvement and coordination with stakeholders.



## *Outreach - Residents*

- Intensive outreach began Oct 2007/08.
- Hired **72** local outreach specialists to “walk” the neighborhoods and conduct surveys.
- Hired **8** bi-lingual outreach specialists.
- Knocked on **23,000** doors.
- Interviewed neighborhood businesses, churches and neighborhood-based non-profits.
- Held **23** neighborhood meetings.



## *Outreach - Businesses and Stakeholders*

- Conducted over **200** business surveys/stakeholder presentations.
- Held lobby fairs and outdoor events.
- Distributed surveys on company's internal sites.



## *Outreach - Commuters*

- Conducted exit ramp surveys.
- Went to malls and shopping centers.





## Other ways we communicated

- Created interactive, bi-lingual project website.
- Prepared bi-lingual newsletters.
- Set up a project office in study area.
- Used local businesses as much as possible
- Provided an on-line and “call in” surveys in English and Spanish.
- Interviewed the owners and/or managers of the big boxes.



# Survey asked a few important ?'s

- Do you use Business 40?
- Which bridges do you use?
- What is your route in/out of downtown.
- How often do you travel downtown?



## Downtown Employee Survey

Name: \_\_\_\_\_  
Employer: \_\_\_\_\_  
Home Address\*: \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

\*To be used by NCDOT for project-related contact only.

1. Do you use Business 40 to get from home to work?

Yes  No

(If NO skip to question 2)

1a. Going to work, which entrance ramp do you use to get onto Business 40?

1b. Going to work, which exit ramp do you use to get off of Business 40?



## Neighborhood Business Survey

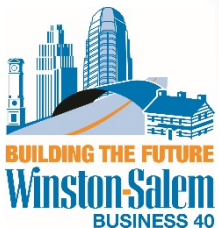
Contact Name and Title: \_\_\_\_\_  
Business Name: \_\_\_\_\_  
Business Address: \_\_\_\_\_  
Business Phone: \_\_\_\_\_ Email/Fax: \_\_\_\_\_

1. How many employees do you have at this location?  
What are your hours of operation \_\_\_\_\_  
What type of business is this \_\_\_\_\_  
How long has your business been at its current address?  
a. 1 YEAR  b. 2-4 YEARS  c. 5-9 YEARS  d. 10+ YEARS

Does your business use Business 40?  
What streets does your business typically use instead of Business 40?  
Yes  No

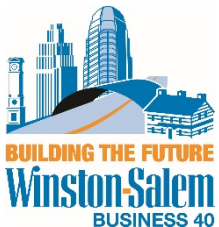
If Business 40 was closed, what streets would your business use instead of Business 40?  
\_\_\_\_\_

How often do you use Business 40? If yes, would you identify them so that we can review?  
\_\_\_\_\_



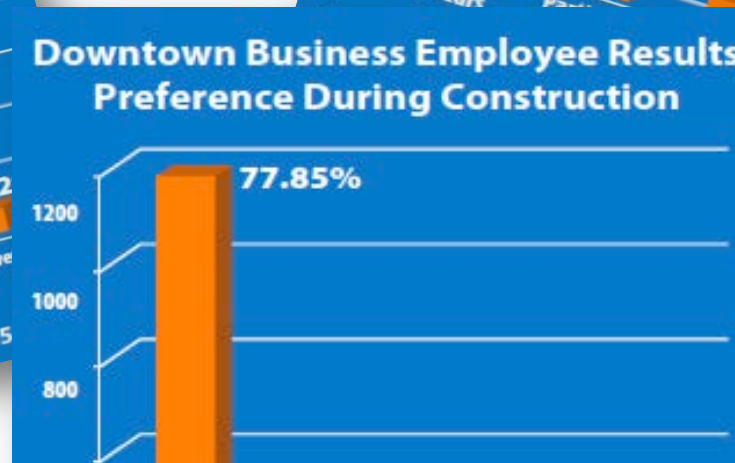
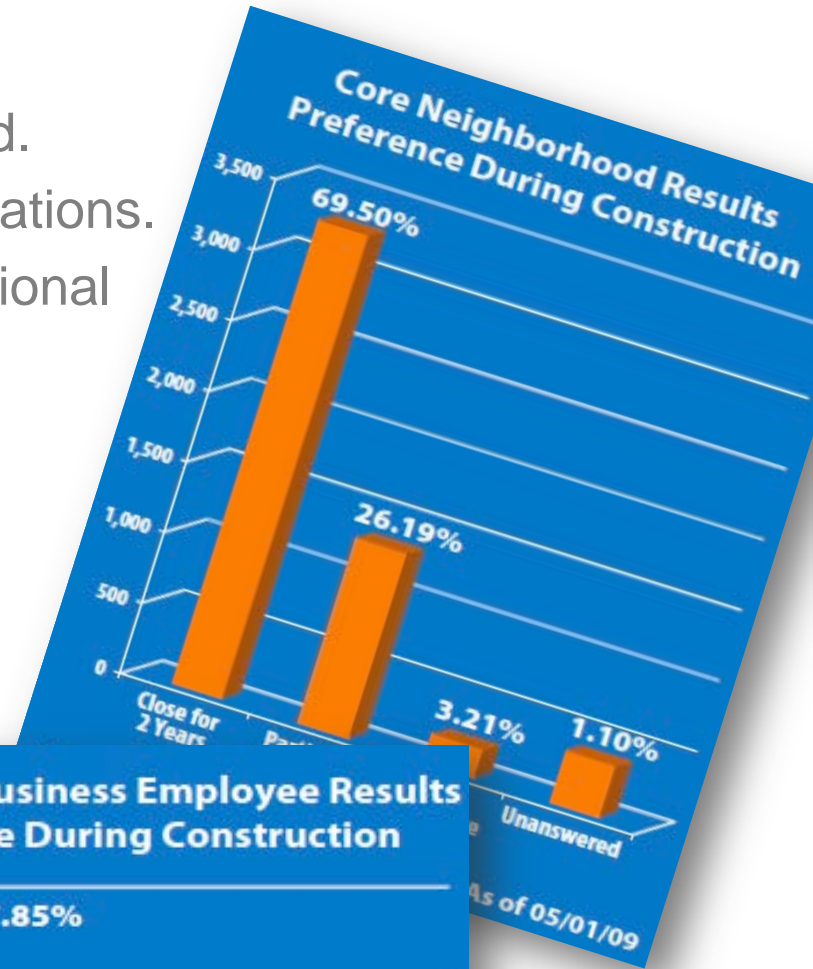
*And the MOST important question:*

*Would you prefer that Business 40  
be completely closed  
for 2 years  
**OR**  
partially closed for 6 years?*



# The response was **OVERWHELMING!**

- Over 43% of households were interviewed.
- Employees were surveyed during presentations.
- Response rate was much higher than National response rate of 10-15%.




*67% of those surveyed told us to:*

**Get in, Get out, and  
*STAY OUT!***

**2 YEAR CLOSURE  
is preferred!**

# NCDOT was recognized!

- Chosen by FHWA as an example of “best practices” in two categories regarding Outreach & Environmental Justice in NEPA.



**Environmental Justice**

FHWA → Environment → Environmental Justice → EJ and NEPA → Case Studies

**Extraordinary Outreach Guides Project Decisions and Issues**

**Business 40, Winston-Salem, North Carolina**

**Case Highlights**

**Description:** The North Carolina Department of Transportation (NCDOT) is proposing to improve a one-mile section of Business 40 through downtown Winston-Salem. The project area is located in the heart of Winston-Salem and includes a large

NCDOT project participants. The working groups are the Bridge and Design Group, the Traffic Group, and the Community Issues Group.

Each working group covers multiple topics such as community impacts, interchanges, alternate routes, bike/pedestrian/open space, economic development, and approaches to various project concerns. Members of the group discuss each meeting's stated goal. Meeting notices and meeting minutes are posted on the project website.

used at neighborhood meetings to display door-to-door survey results.




Figure 7. A meal was provided at each corridor-wide meeting. Outreach staff recorded conversations about the project.




Figure 8. Daycare at a corridor-wide meeting.

corridor-wide meetings to encourage meaningful participation:

- Take care of people - treat them as individuals. Black/African American neighborhood and residents were traditionally not involved in typical public outreach activities. It was critical for them to have an opportunity for meaningful participation.

**Surveys**

**Business 40 Public Involvement Timeline**

- Door-to-door surveys (October 2007 - June 2008)
- Corporate Intranet surveys (February - May 2008)
- Interchange ramp surveys (May 2008)
- Neighborhood meetings (Spring 2008)
- Stakeholder meetings (Ongoing)
- Corridor-wide meetings (Ongoing)
- Working groups (Ongoing)

A decision needed to be made, early on in the project study, whether the construction of the project should be designed to take place over two years, with full closure of a section of Business 40, or six years, with partial closure of the highway. Early conversations with community leaders as part of the development of the PIP indicated that the community would prefer a six-year partial closure approach. However, NCDOT and their outreach team moved forward with an intensive strategy to find out what a broader spectrum of the community really preferred.

**Door-to-Door Outreach**

NCDOT used a different approach for reaching out to "Core Neighborhoods" and "Surrounding Neighborhoods." In the project map shown in Figure 1, Core Neighborhoods are shaded orange and Surrounding Neighborhoods are blue. The Core Neighborhoods were those that directly or indirectly touched the Business 40 project or had primary arteries that could be designated as an alternate route. These neighborhoods were contacted through an unprecedented door-to-door outreach process.

To conduct the outreach, the consultant team hired 75 individuals from the community. These individuals were identified through the resources gathered in the development of the PIP and through partnership with the Winston-Salem Urban League. The outreach team accepted the first 75 community members who showed up for a job and could pass a test that included the ability to read and write, describe the project correctly, answer project questions correctly, and use outreach techniques and sensitivities. Regarding project-related questions, survey staff were carefully instructed that they should not answer technical questions, but refer individuals to the variety of methods through which they could speak with a project engineer. This was important to be sure that technical questions were not answered incorrectly by someone without sufficient knowledge and to ensure that the same information was being shared across the community. All project messaging - including information conveyed by survey staff - had to follow the "3 Cs" - consistent, concise, and clear.



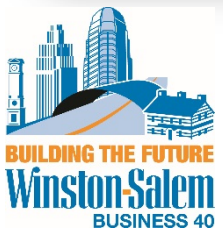


Figure 2. Survey staff for Business 40 wore orange jackets during the door-to-door survey so they could be easily recognized.





## *NOW...the WHAT?*

- Develop and design the proposed improvements.
- Created design ideas, then alternatives.
- Narrowed down to two major alternatives.



## *Additional Public Outreach*

- 5 Corridor Wide Meetings
- 32 Stakeholder Meetings
- 18 Working Group Meetings
  - *Bridge & Design*
  - *Traffic and Community Issues*
- 2 Public Hearings





# Business 40 – The Project



# Working Groups were established

- **Bridge & Design**

- Conducted **14** meetings regarding bridge aesthetics and enhancements.
- Over period of 2 years, identified preferences for bridges and road features.
- Submitted to NCDOT for inclusion in Design-Build proposal.
- Preferences were considered with additional artistic features from the City.

- **Traffic and Community Issues**

- Conducted **4** meetings.
- Discussed traffic impacts.
- Identified preferred detour routes.
- Discussed noise issues and concerns.



# *Community supported enhancements*

**City of Winston Salem committed nearly \$10 million for enhancements!**



Green Street  
Pedestrian  
Bridge



# *Community supported enhancements*



**Downtown  
Strollway Bridge**

View from top of bridge



# Community supported enhancements

Peter's Creek Parkway Bridge



# *Community supported enhancements*



Church Street  
Bridge



# *Community supported enhancements*

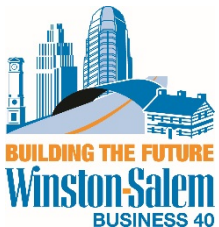


Marshall Street  
Bridge



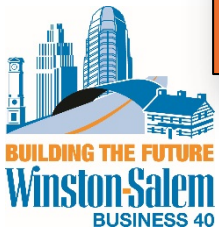
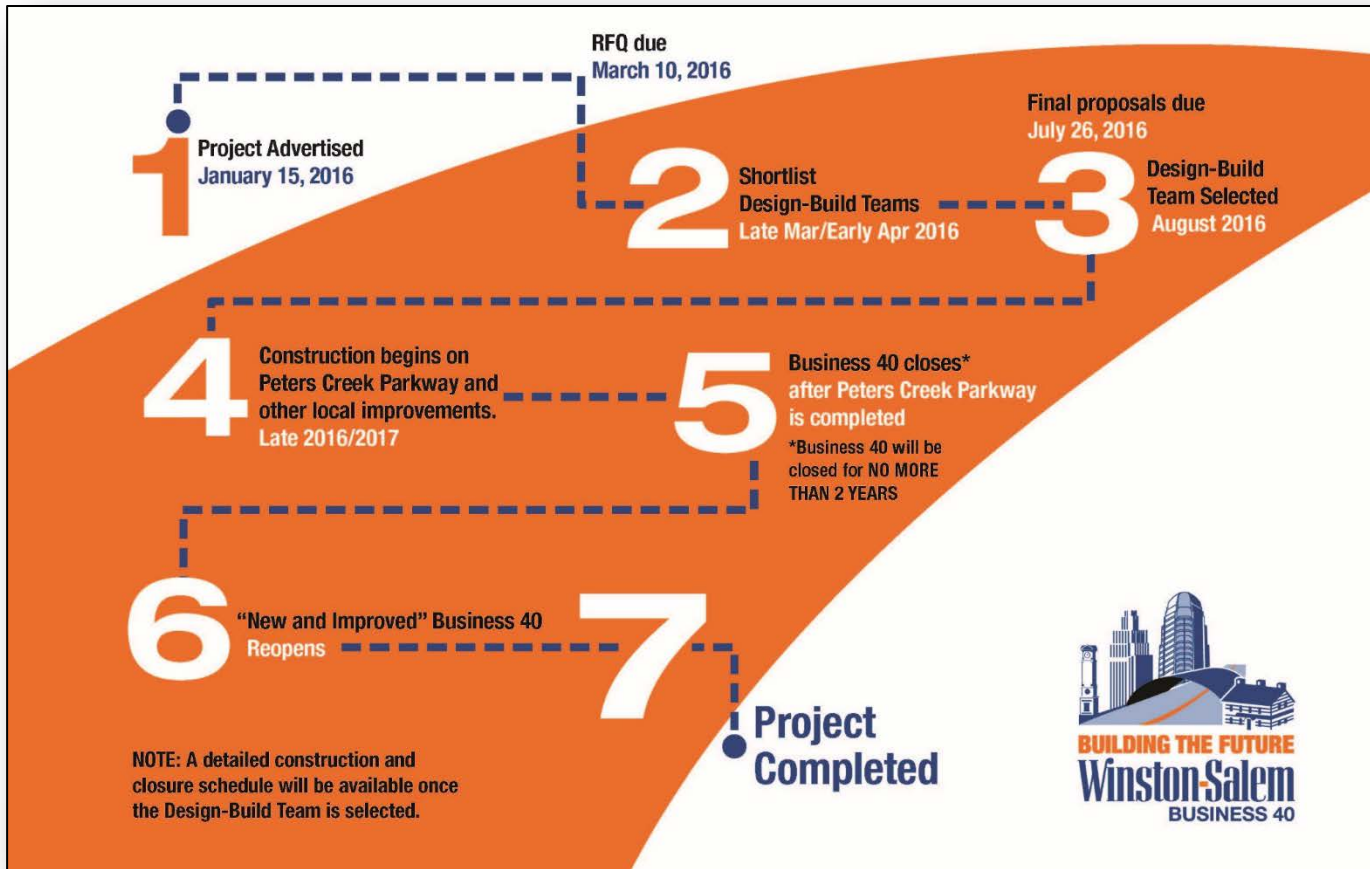
## *Naming Contest for Business 40*

- Re-naming Business 40 was recommended at the ACTT meeting
  - Less confusing: I-40 vs Bus 40
  - Community Identity
- Community-appointed naming committee narrowed down 1800 suggested names to four options:
  - Golden Leaf Parkway
  - Innovation Freeway
  - Piedmont Corridor
  - Salem Parkway





*Planning phase – ✓*  
*Design-Build phase – We are here*



## *Communication and Outreach doesn't stop here...*

- Stakeholder Presentations
- Social media:
  - Web site: [www.business40nc.com](http://www.business40nc.com)
  - Twitter: @NCDOT\_Triad #Biz40NC
- Small Business Liaison
- Newsletters, soon to be e-newsletters
- Traffic App., in partnership with WAZE
- Downtown WS Partnership, Chamber and City of Winston Salem coordination - ***DOWNTOWN IS OPEN FOR BUSINESS!***



# Significant Insights

- Meetings must be interactive and dynamic.
- Constant communication helps public understand their input is critical to a successful project.
- Be flexible, change approach if not working.
- Combine education with information--if the public understands the process they will be more accepting of the result.
- The public is not the enemy, they are our partners.

What could we improve?

Mistakes to avoid

Problems we could have avoided

What did we do well?



*Comments, Questions?*





Transportation

# MULTIMODAL COMMITTEE MEETING MINUTES

DATE: 08/03/2016 TIME: 10:30am LOCATION: EIC

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

## AGENDA TOPICS

<b>1. JULY MINUTES APPROVAL – Malcolm Fearing</b>	
<b>DISCUSSION SUMMARY</b>	Approval of July Minutes.
<b>ACTIONS TAKEN</b>	Motion to approve was made by Sandra Fountain and seconded by Lou Wetmore. Motion was approved.

<b>2. FUNDING ITEMS – I-1, I-1A, I-1B, I-2, I-4</b>	
<b>DISCUSSION SUMMARY</b>	Funding items for Public Transit, Rail, and Aviation were presented and approved.
<b>ACTIONS TAKEN</b>	Motion to approve all funding items made by Jeff Sheehan and seconded by Sandra Fountain. All items were approved.

<b>3. TRANSIT UPDATE – KEITH WEATHERLY</b>	
<b>DISCUSSION SUMMARY</b>	Mr. Weatherly commended Ed Johnson for working with local interest groups to include a bicycle/pedestrian in the Highway 42 bridge project in Johnston County. He also mentioned the great job of Paul Worley and the Rail Division for the recent tour of the Piedmont Improvement Program projects along the Raleigh to Charlotte corridor.
<b>ACTIONS TAKEN</b>	Information, no action taken



# MULTIMODAL COMMITTEE MEETING MINUTES

<b>4. PUBLIC TRANSPORTATION UPDATE – DEBBIE COLLINS</b>	
<b>DISCUSSION SUMMARY</b>	Ms. Collins commended two of her employees, Robert J. Brink, Jr for receiving the Governor’s Award and Tammy Montanez the Secretary’s award. She also recognized Steve Moore, Grace Rettig, Thomas Cook, Becky Smith, Tamra Shaw, and Gwen Hinson who all recently retired.
<b>ACTIONS TAKEN</b>	Information, no action taken
<b>5. AVIATION DIVISION – JON ARNOLD AND TREY VANBENTHUYSEN</b>	
<b>DISCUSSION SUMMARY</b>	Mr. Arnold discussed six videos that Aviation is producing. All videos are 40-60 seconds long and address the UAS laws and regulations. They will be posted on NCDOT’s YouTube site and the Facebook site. A study guide and knowledge test is available on the website. Law Enforcement Officer Training is ongoing.
<b>ACTIONS TAKEN</b>	Information, no action taken
<b>6. RAIL UPDATE – PAUL WORLEY</b>	
<b>DISCUSSION SUMMARY</b>	<p>Mr. Worley reported that the Greenville Distribution Center is now up to 1400 carloads daily. They are working on continuous marketing of the Passenger Rail Programs.</p> <p>PIP continues on schedule with 408 million dollars reimbursed and a 3-30 day reimbursement rate.</p> <p>Cheryl McQueary commended Jason Orthner on an outstanding job on the American View project. She also inquired about when there will be additional Charlotte to Raleigh routes available, anticipated date for that is October of 2017. She suggested communicating well in advance of the launch of the new routes in order for the colleges and municipalities to prepare shuttle services and have them in place.</p>
<b>ACTIONS TAKEN</b>	Information, no action taken



# MULTIMODAL COMMITTEE MEETING MINUTES

<b>7. BIKE &amp; PEDESTRIAN UPDATE – ED JOHNSON</b>	
<b>DISCUSSION SUMMARY</b>	<p>Mr. Johnson reported that as requested previously he has been working with Communications and the Divisions directly in order to promote the Safe Schools and Watch for Me programs. Statewide calendars have been set up to promote the activities available.</p> <p>The Highway 42 Bridge in Johnston County was opened and is part of the Mountains to the Sea Trail; it is an important accomplishment as it provides for pedestrians and bicyclists as well as vehicles.</p>
<b>ACTIONS TAKEN</b>	Information, no action taken

<b>8. FERRY UPDATE AND INTRODUCTION – ED GOODWIN</b>	
<b>DISCUSSION SUMMARY</b>	<p>Mr. Goodwin reported that all vessels are operating and that 97-98% of cancellations are due to weather.</p> <p>The Passenger Ferry groundwork is starting. The shipyard is being expanded in order to improve maintenance capabilities.</p> <p>The new buildings are approximately 66% complete and Cheryl McQueary requested some new photographs to reflect the progress being made.</p>
<b>ACTIONS TAKEN</b>	Information, no action taken

<b>9. NCDOT RAIL INDUSTRY WORKFORCE ASSESSMENT PRESENTATION BY DAVID CAUSEY, P.E.</b>	
<b>DISCUSSION SUMMARY</b>	<p>Presentation was made by Paul Worley.</p> <p>The presentation was well received and provided an overview of the impact the expanding rail presence will have for employment. In the next few years employees with technical skills will be in demand and right now there is a shortage which shows the need for these skills to be taught at local schools and relationships need to be built to address this need.</p> <p>A copy of the full report was made available to all of the members in the monthly electronic packet. A few committee members requested an electronic copy of the report be sent out separate from the full packet.</p>
<b>ACTIONS TAKEN</b>	Information, no action taken



Transportation

# MULTIMODAL COMMITTEE AGENDA

## BOARD OF TRANSPORTATION SEPTEMBER 7, 2016

**TIME: 10:30am**

**LOCATION: EIC**

<b>TOPIC</b>	<b>PRESENTER</b>	<b>TIME</b>
Call to Order	Chairman Perkins	10:30
Approval of Minutes	Chairman Perkins	10:30-10:35
Funding Items (PTD, Rail, Bicycle and Pedestrian, Aviation)	Transit Directors	10:35-10:50
Transit Update	Keith Weatherly	10:50-10:55
Public Transportation Update	Debbie Collins	10:55-11:00
Aviation Update	Jon Arnold	11:00-11:10
Rail Update	Paul Worley	11:10-11:15
Ferry Update	Ed Goodwin	11:15-11:25
Bike & Pedestrian Update and Presentation	Ed Johnson	11:25-12:00
Adjourn	Chairman Perkins	12:00





## Overview of NCDOT Bicycle & Pedestrian Division

*Bicycle and Pedestrian Division Annual Update*

*Multimodal Committee*

*September 7, 2016*



# *Background*



# *What is the Division of Bicycle and Pedestrian Transportation?*

- NCDOT's Division of Bicycle and Pedestrian Transportation (DBPT) is one of the oldest programs of its kind in the nation, established in 1973. DBPT seeks to integrate bicycle and pedestrian safety, mobility and accessibility into the overall transportation program through engineering, planning, education and training.
- The Division includes:
  - Ed Johnson, Acting Director
  - Safe Routes To School Coordinator
  - Planning Program Manager and two Planners
  - Transportation Program Consultant (liaison to other DOT units and public)
  - Two administrative staff
- The Division does not own or maintain any bicycle or pedestrian facilities.
- The Division does provide funding and support for a variety of planning and programming for bicycle and pedestrian transportation in North Carolina.
- Visit our website: <http://www.ncdot.gov/bikeped/>



# *Projects and Programs*



## *Who Does What?*

<b>NCDOT-DBPT Role</b>	<b>Local Government Responsibilities</b>
Technical support	Long range planning
Prioritize local projects for funding	Local funding for projects
Research benefits and promote systems	Identify user needs
Support other NCDOT units	Administer projects
Collect and evaluate data	Maintain facilities
Manage safety programs	Enforce laws





**WALKBIKENC**

Learn about North Carolina's Statewide Pedestrian and Bicycling Plan



**RESOURCES**

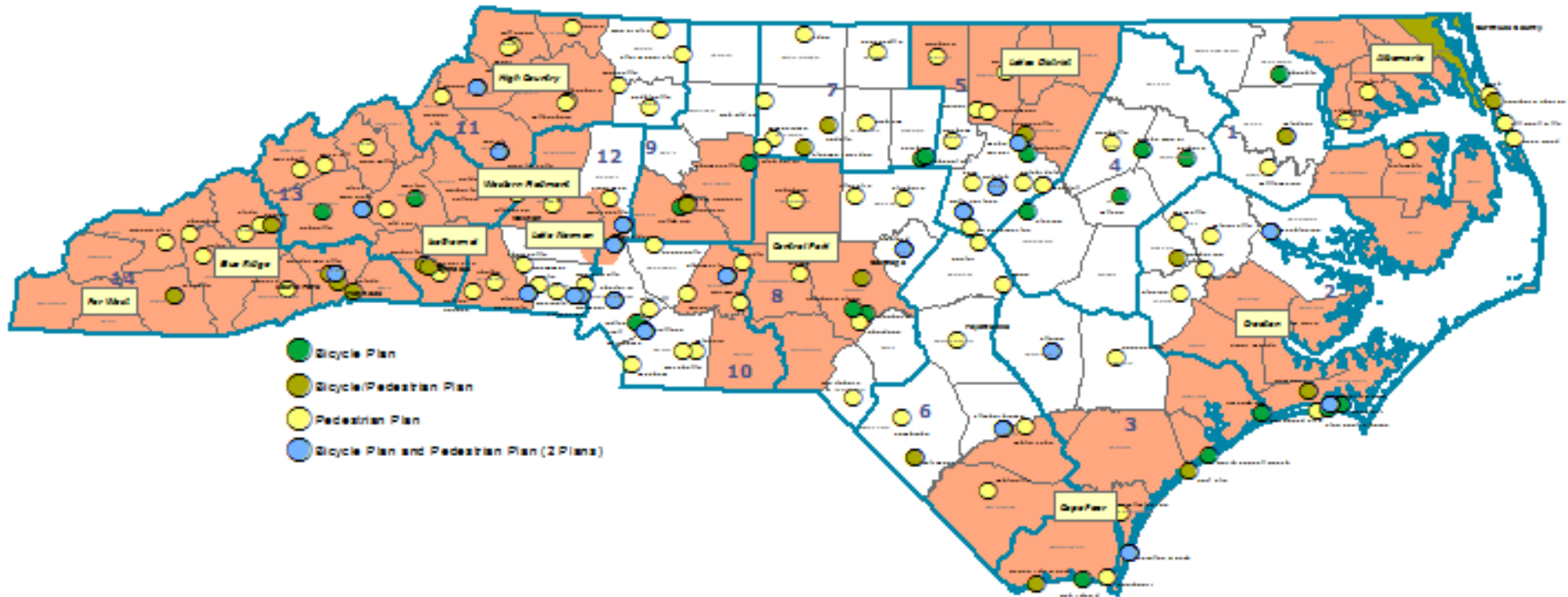
Find Bicycling and Walking Resources



**BIKING NC**

Map Your Bike Ride Across North Carolina

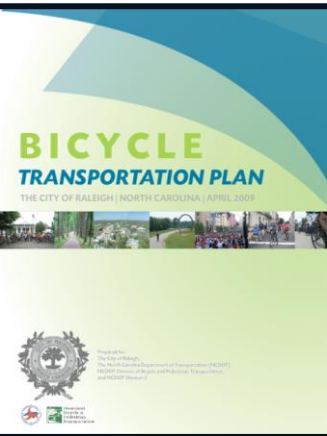
# Bicycle and Pedestrian Plans



- 173 municipal plans (109 pedestrian, 44 bicycle, 20 joint plans) – received probably 450+ applications
- 11 regional plans
- Municipal plans cover approximately 40% of state population / Regional plans cover 60+ counties

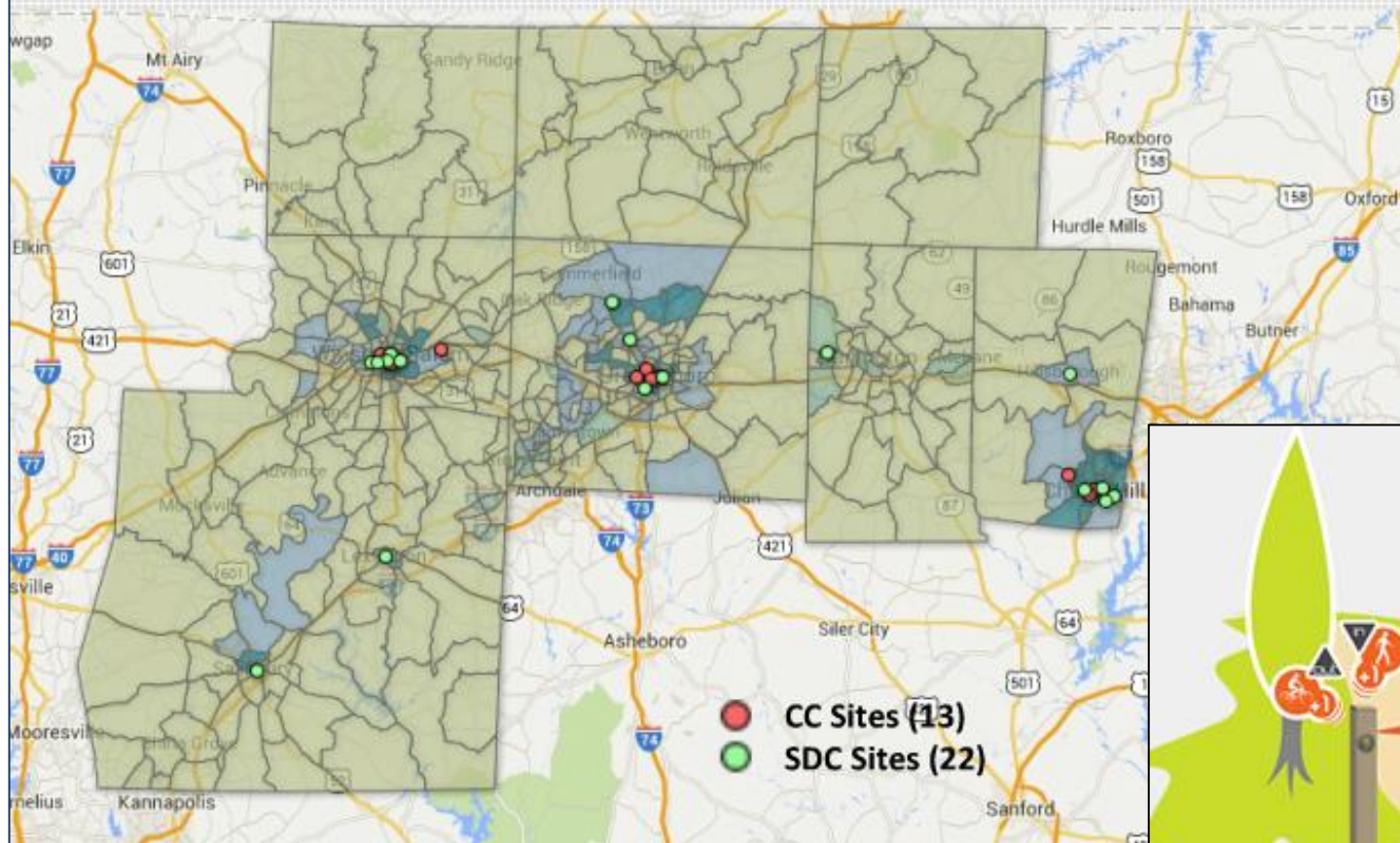


<https://connect.ncdot.gov/municipalities/PlanningGrants/Pages/default.aspx>



# Non-Motorized Traffic Monitoring Program (Pedestrian and Bicycle Counts)

## Pilot Region



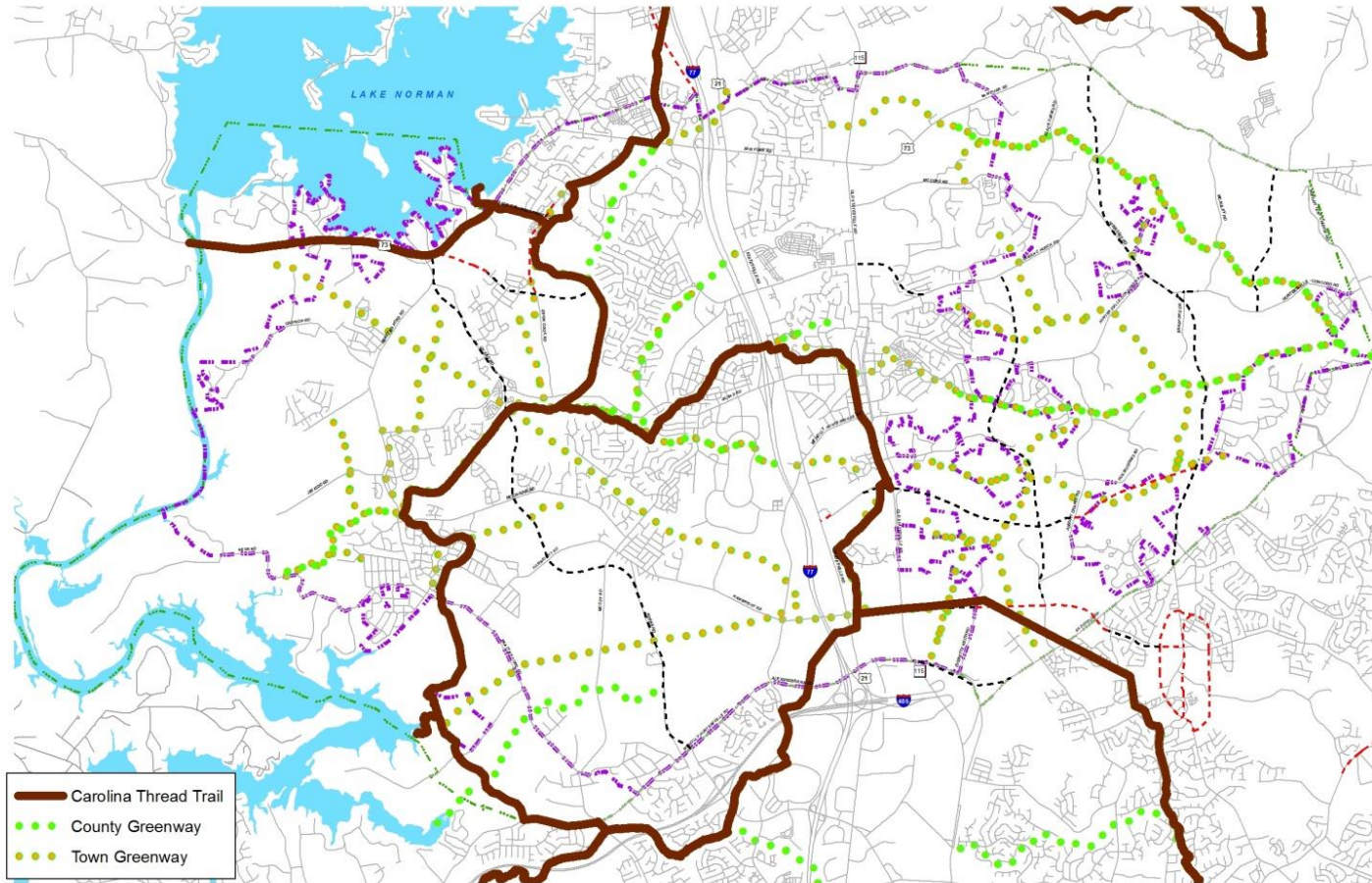
Pilot Region:  
Divisions 7 & 9

Current Region:  
Divisions 4, 5, 8  
and 10





# Local and Regional GIS Data Collection



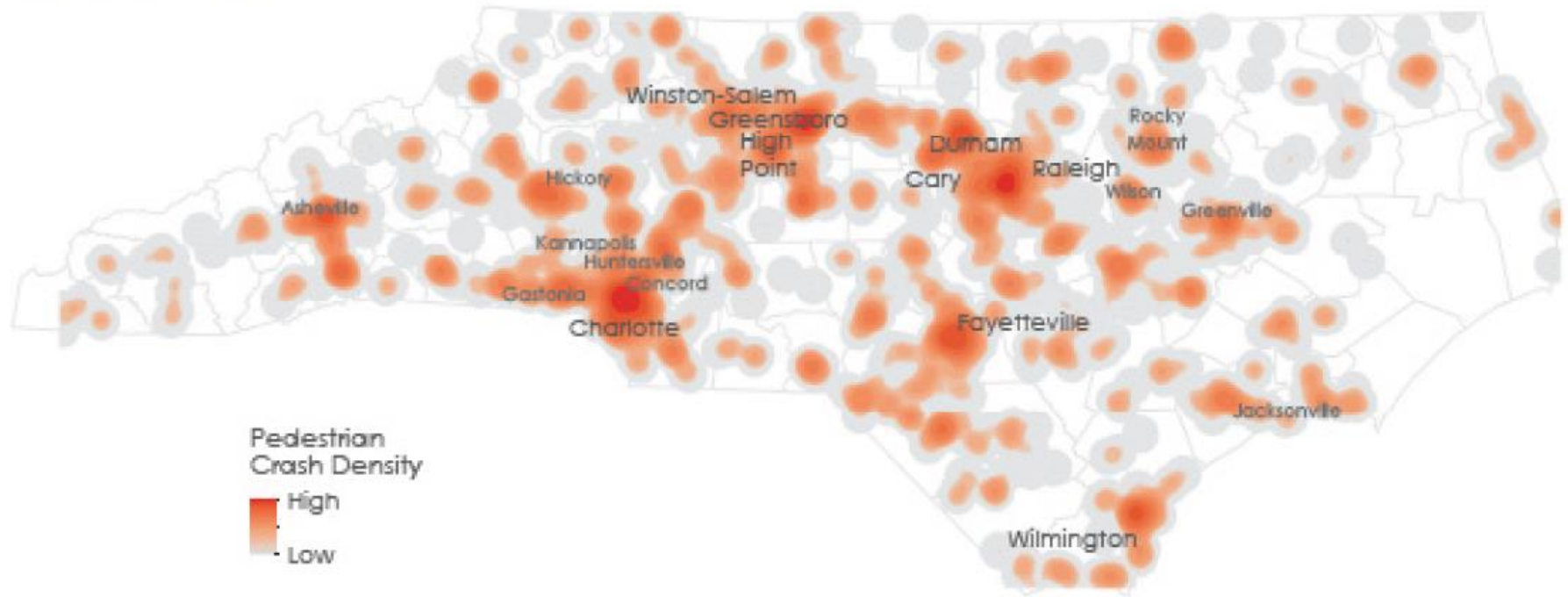
- Continue to conduct statewide GIS data collection
- Consider mapping and application options
- Data may be viewed at <http://ncdot.maps.arcgis.com/>



# Crash Data Reporting and Geocoding

## 2010 Pedestrian and Bicycle Crash Density Maps, NC

Source: 2010 NCDOT Crash Data\*



- Provide updated data sets to local agencies
- Use in SPOT funding process and Watch for Me NC safety campaign
- Data may be viewed at <http://ncdot.maps.arcgis.com/>



# WATCH FOR ME - NC



About the Campaign

Crash Facts

Safety Resources

Media

>> Home



## 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

## *Safe Routes to School*



- Safe Routes to School is a national and international movement to enable and encourage children, including those with disabilities, to walk and bicycle to school.
- Several important initiatives are a direct result of the North Carolina Safe Routes to School Program:
- The Active Routes to School program encourages students to increase activity on the way to and while at school. The program receives funding through the NCDOT Safe Routes to School program and administered through the North Carolina Department of Health and Human Services.



# *Policy Context for Bicycle/Pedestrian Accommodations*



# *Policies on Bicycle/Pedestrian Accommodations*

These agency policies determine accommodation and cost-share for bicycle and pedestrian facilities within NCDOT projects and roadways:

- **Administrative Action to Include Greenway Plans (1994, 2015)**
  - Guides the consideration of greenways/crossings during the highway planning process
  - Allows inclusion of greenway crossing/element as an incidental to the highway expenditure
- **Guidelines for Inclusion of Greenway Accommodations Underneath a Bridge as Part of a NCDOT Project (2015)**
  - Clarifies the 1994 *Administrative Action* above
  - Gives a process for NCDOT staff to use in determining if a planned greenway should be accommodated under a bridge
  - Establishes cost-share provisions if the greenway is accommodated
- **Pedestrian Policy (1993, 2001)**
  - Allows NCDOT to participate with municipalities in construction of sidewalks as incidental features of highway improvement projects
  - Municipality must agree to maintain the sidewalk, and share in 20-50% of cost
- **Bridge Policy (1994)**
  - Determines accommodation and design for sidewalks and bicycle facilities on bridges
  - Cost share established by reference to Pedestrian Policy
- **Complete Streets Policy (2009)**
  - Directs NCDOT to consider and incorporate all modes when building new projects or making improvements to existing infrastructure

<http://www.ncdot.gov/bikeped/lawspolicies/>



# Questions



# Contact Information

Ed Johnson, RLA, ASLA  
Acting Director, DBPT  
[erjohnson2@ncdot.gov](mailto:erjohnson2@ncdot.gov) or (919) 707-2601

John Vine-Hodge  
Planning Program Manger, DBPT  
[javinehodge@ncdot.gov](mailto:javinehodge@ncdot.gov) or (919) 707-2606

Betsy Kane  
Transportation Planner II, DBPT  
[eakane@ncdot.gov](mailto:eakane@ncdot.gov) or (919) 707-2603

Nick Scheuer  
Transportation Planner I, DBPT  
[nrscheuer@ncdot.gov](mailto:nrscheuer@ncdot.gov) or (919) 707-2603





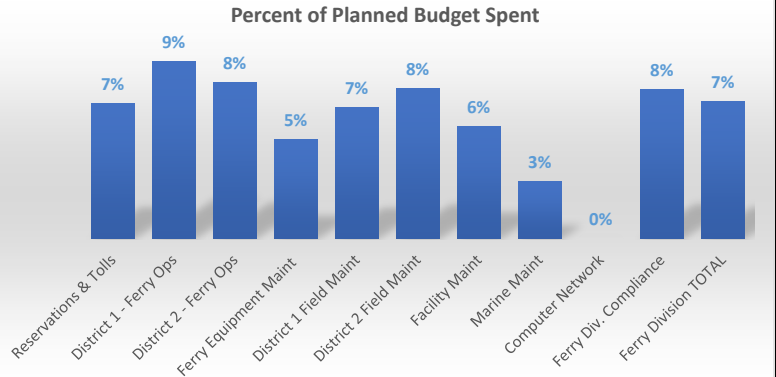
**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
FERRY DIVISION MONTHLY UPDATE REPORT FOR JUL 2016**

**Ridership (Vehicles)**

Ferry Routes	CY16 JUL	CY15 JUL	DELTA	FY17 YTD	FY16 YTD	DELTA
Currituck - Knotts Island	1,921	2,005	-4.2%	1,921	2,005	-4.2%
Hatteras - South Dock	41,130	40,905	0.6%	41,130	40,905	0.6%
Swan Quarter - Ocracoke	4,715	4,928	-4.3%	4,715	4,928	-4.3%
Cedar Island - Ocracoke	7,016	7,392	-5.1%	7,016	7,392	-5.1%
Aurora - Bayview	4,580	4,813	-4.8%	4,580	4,813	-4.8%
Cherry Branch - Minnesott	21,674	22,076	-1.8%	21,674	22,076	-1.8%
South Port - Fort Fisher	26,928	27,377	-1.6%	26,928	27,377	-1.6%
Emergency Ferry Rt.	N/A	N/A	N/A	N/A	N/A	N/A
<b>Monthly Total</b>	<b>107,964</b>	<b>109,496</b>	<b>-1.4%</b>	<b>107,964</b>	<b>109,496</b>	<b>-1.4%</b>

**Budget (Operations & Maintenance)**

Departments	FY2017 Spending Plan	FY17 Expenditures through JUL 2016
Reservations & Tolls	\$ 556,074.00	\$ 40,077.63
District 1 - Ferry Ops	\$ 11,003,525.00	\$ 1,043,568.68
District 2 - Ferry Ops	\$ 8,620,577.00	\$ 717,352.70
Ferry Equipment Maint	\$ 13,197,949.00	\$ 697,622.26
District 1 Field Maint	\$ 577,591.00	\$ 40,598.17
District 2 Field Maint	\$ 482,633.00	\$ 38,671.20
Facility Maint	\$ 483,820.00	\$ 29,005.68
Marine Maint	\$ 1,191,090.00	\$ 36,089.34
Computer Network	\$ 3,728.00	\$ -
Ferry Div. Compliance	\$ 1,574,786.00	\$ 125,444.91
<b>Ferry Division TOTAL</b>	<b>\$ 37,691,773.00</b>	<b>\$ 2,768,430.57</b>



**Status of Capital Reserves Funds**

Routes	WBS	WBS Balance as of JUL 2016
FER Shipyard Capital Reserve	16SP.43	\$ 1,415,122.88
FER Sys Cptl All Routes	16SP.501.1	\$ 1,276,624.26
FER D1 Currituck-Knotts Island Cap Reserve	16SP.511.1	\$ 22,278.26
FER D1 Hatteras Inlet Cap Reserve	16SP.512.1	\$ 184,082.63
FER D1 Swan Quarter - Ocracoke Island Cap Reserve	16SP.513.1	\$ 1,073,083.55
FER D1 Ocracoke Island of OI-Cedar Island Cap Reserve	16SP.514.1	\$ 1,020,395.20
FER D2 Pamlico River Route Cap Reserve	16SP.521.1	\$ 24,676.22
FER D2 Cherry Branch - Minnesott Beach Cap Reserve	16SP.522.1	\$ 120,027.42
FER D2 Cedar Island of OI - Cedar Island Cap Reserve	16SP.523.1	\$ 1,020,423.34
FER D2 South Port - Fort Fisher Cap Reserve	16SP.531.1	\$ 2,174,207.19
<b>Total</b>		<b>\$ 8,330,920.95</b>

**Updates or Comments**

1. The Ribbon cutting ceremony for the new Currituck OPS building will be held on August 17th Secretary Tennyson will be the attending.
2. The Swan Quarter OPS building is at 85% complete and slated for a Sept. completion date. See attached pictures.
3. The Cherry Branch OPS building replacment project is at 25% complete and slated for a December completion date. See attached pictures.



# PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT

NCDOT RAIL DIVISION for the Month of JUNE 2016

## Ridership

	FFY16 JUNE	FFY15 JUNE	Δ	FFY16 YTD	FFY15 YTD	Δ
<b>Carolinian</b>	25,933	23,775	9%	210,076	220,064	-5%
<b>Piedmont</b>	10,458	11,033	-5%	115,007	121,972	-6%
<b>Total</b>	36,391	34,808	5%	325,083	342,036	-5%

### Number of Trains

### Average Number of Passengers per Train

FFY16 JUNE	FFY15 JUNE	Service	FFY16 JUNE	FFY15 JUNE	Δ
60	60	Carolinian	432	396	9%
108	116	Piedmont	97	95	2%

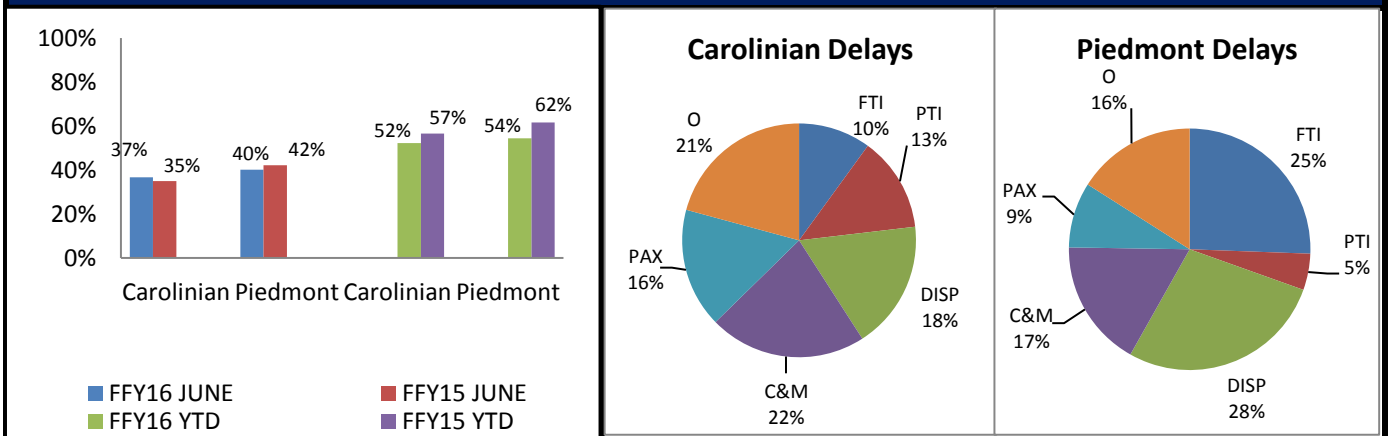
## Revenue

	FFY16 JUNE	FFY15 JUNE	Δ	FFY16 YTD	FFY15 YTD	Δ
<b>Carolinian</b>	\$1,684,878	\$1,589,602	6%	\$13,028,938	\$13,926,614	-6%
<b>Piedmont</b>	\$215,521	\$223,053	-3%	\$2,439,754	\$2,510,359	-3%
<b>Total</b>	\$1,900,399	\$1,812,655	5%	\$15,468,692	\$16,436,973	-6%

<b>Amenities &amp; Vending</b>	Mo. Surcharge + Vending Income	\$18,192	Mo. Expense	\$4,084	Mo. Surplus	\$14,108
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**June 2016 service modifications and annulments impacted twelve Piedmont trains and four Carolinian trains. On June 6, June 20, and June 27, all Piedmont trains were annulled; on June 20, Carolinian trains operated only between Raleigh and New York; and on June 27, Carolinian Train 80 operated between Raleigh and New York and Train 79 between New York and Greensboro. Annulments accommodated PIP project structure and track work. Additional disruptions for PIP project work will continue to occur as necessary through completion of the project. Average gasoline prices were \$0.34/gallon lower in June 2016 than in June 2015 (EIA Weekly Retail Gasoline for Lower Atlantic region).**

## On-time Performance



\*Carolinian and Piedmont delays were 7,619 and 4,702 minutes, respectively. FTI - Freight Train Interference; PTI - Passenger Train Interference; DISP - Dispatch Related; C&M - Construction, Maintenance; PAX - Any Passenger Related; O - All Other Delays (e.g. weather, mechanical). Carolinian trains arriving within 20 minutes and Piedmont trains within 10 minutes of schedule are considered on time.

## Overall Customer Satisfaction

	FFY16 MAY	FFY15 YEAR-END	Δ
<b>Carolinian</b>	79%	75%	4%
<b>Piedmont</b>	89%	90%	-1%

\*The customer satisfaction index (eCSI) is calculated from rider survey data conducted on line and is for one month prior to the current report month. Overall satisfaction is defined as average scores greater than or equal to 80. Customer satisfaction goals for FFY 2015 were 79% for the Carolinian and 90% for the Piedmont; and for FFY 2016 are 77% for the Carolinian and 91% for the Piedmont. Overall June eCSI for all Amtrak services was 82%.

## North Carolina City Pairs with Largest Ridership

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

\*Of the ten city pairs with the highest ridership, from the previous FFY month Charlotte - Washington had the largest increase of 22% and Cary - Washington the largest decrease of 27% for the Carolinian; Durham - Raleigh had the largest increase of 29% and Greensboro - Raleigh the largest decrease of 21% for the Piedmont.

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

	FFY16 JUNE	FFY15 JUNE	Δ
<b>Charlotte</b>	11,801	11,519	2%
<b>Raleigh</b>	9,207	8,877	4%
<b>Greensboro</b>	6,975	6,660	5%
<b>Durham</b>	5,833	5,461	7%
<b>Cary</b>	4,480	4,648	-4%
<b>Wilson</b>	2,818	2,446	15%
<b>High Point</b>	2,091	2,407	-13%
<b>Rocky Mount</b>	1,766	1,462	21%
<b>Burlington</b>	1,722	1,700	1%
<b>Salisbury</b>	1,481	1,765	-16%
<b>Kannapolis</b>	1,366	1,759	-22%
<b>Selma-Smithfield</b>	776	673	15%

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

## North Carolina Train Host Association

	FFY16 JUNE	FFY16 YTD
<b>Train Host Volunteer Hours</b>	1,130	9,539

# Go. Reconnect.





## Public Transportation Division

### Upcoming Transit Conferences in North Carolina

#### Annual Training Conference

The Embassy Suites in downtown Winston-Salem is the location of the Public Transportation Division’s Annual Training Conference on September 13, 2016. It is one day this year due to the October national conference.

The target audience is our community transportation providers, providing transportation to the citizens of NC’s 100 counties.

#### Conference Topics

1. Non Emergency Medical Transportation – presented by NCDHHS as education on becoming a vendor and working with local DSS offices.
2. Disadvantaged Business Enterprise – presented by NCDOT Office of Civil Rights to discuss concrete steps to goal attainment.
3. Getting Ready for First Quarter Reporting – the end of the first quarter for our Success Plans will be September 30. Reporting steps will be shared.
4. Budgeting 101 – a broad overview will be given of the basics of developing a budget aligned with reporting and reimbursements.
5. Rural Health and the Safety Net – a presentation will be made on how the Office of Rural Health leverages the assets and creativity of public and private partnerships to support North Carolina communities and assist the underserved and vulnerable populations.

#### Awards

The 2<sup>nd</sup> Annual Performance Awards will be given by peer group and upcoming retirements recognized.



The 22<sup>nd</sup> National Rural and Intercity Bus Conference will be in Asheville October 2-5, 2016. The Conference is sponsored by the Transportation Research Board and the host application was a collaborative effort between NCDOT Public Transportation Division, North Carolina Association of Metropolitan Planning Organizations, North Carolina Association of Rural Planning Organizations, North Carolina Public Transportation Association, Women’s Transportation Seminar-Asheville Chapter, Buncombe County Government, Asheville City Government, Asheville Area Chamber of Commerce, French Broad River Metropolitan Planning Organization, Land of Sky Rural Planning Organization, and Mountain Mobility.

The conference provides an opportunity for our transportation providers to learn from others around the country as well as showcase their successes. PTD submitted 10 topics on behalf of our systems and 9 were selected for the program. The presentations selected are:

- Southwestern NC's One Click, One Call Center
- Shifts in Population and its Effect on the FTA Formula Funding Programs
- Improving Demand Response Service with Structured Scheduling
- Considerations for Using the Rural NTD for Performance-Based Budgeting
- Defining Appropriate Planning and Success
- Calculating and Communicating the Economic Benefits of Rural Transportation
- Vehicle Evacuation Training
- Innovations in Mobility Management
- Building Relationships with Public Officials at Every Level

**Join Us!**





## PTD Activities Underway

### What's New?

### August 2016 Activities

#### Training:

- Transit Operations Planning
- Lean Six Sigma – Yellow Belt
- SharePoint
- Excel
- Legacy Leadership
- TrAMS Training (FTA)
- Net Promoter Score Refresher
- TLDP training series

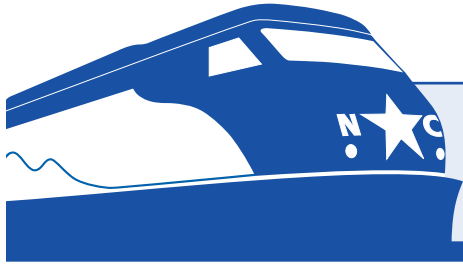
#### Meetings Attended:

- Transportation Demand Management Conference
- NCAMPO quarterly meeting
- NCPTA quarterly meeting
- FTA webinars on Transit Asset Management
- Launching of 3 NCDOT research projects

#### Upcoming:

- FTA semiannual visit
- FTA 5307 training
- PTD Annual Meeting – Sept. 13
- TRB Paratransit and Intercity Bus Conference – Asheville Oct. 2-5

- The **new PTD Connect website** was launched. Event and Training calendars are a new and exciting feature. Please visit us [here](#).
- Recent **Final Rules** issued by FTA are:
  - **National Transit Database; Transit Asset Management (TAM)** issued 7/26/2016
  - **Public Transportation Safety** issued 8/11/2016
    - The first of three expected soon
- August 29, 2016, all **PTD sponsored grants** for FY 2018 were posted in Partner Connect (our online grant program). The applications are due 11/4/2016 with activities for new grant submission closing in Partner Connect on 11/11/2016. This is necessary as we launch a single capital grant program that will maximize the use of smaller FTA funding programs.
- **System Safety Plan** compliance reviews using our new **Safety Management System (SMS)** were launched in August. PTD expects to refine the new processes as the final safety rules are issued.
- The request for proposals for PTD's **Strategic Plan** will be received in mid-September. The Technical Committee will assist in selecting the vendor. All questions are to be directed to Danny Oliver, NCDOT Purchasing Department.
- The **Transit Operations Planning (TOP)** course was taught to 30+ urban transit professionals August 16-19. This is the first time the 3.5 day course has been offered in NC. Our goal is to bring knowledge to our planners as we strive to meet the transportation demands of expected growth and plan for a new horizon.
- Our new **Community Connectivity Plans** are being scoped and scheduled. The size of our community transportation organizations will determine if they are involved in a Category 1 or Category 2 planning process. PTD staff is undergoing training to conduct the Category 1 plans. Limited Service Contractors (LSC), selected through NCDOT's on call process will be preparing Category 2 plans. The new scope is reflective of our focus on success and being performance driven.
- Task leaders are organizing their teams around the quarter 1 deliverables of the PTD **Success Plan**. Each community transportation system is also working on their deliverables.



## “Game-changing” Carolina Connector Intermodal Terminal to be built in Rocky Mount

Governor Pat McCrory announced July 19 that Rocky Mount was selected as the site for CSX’s Carolina Connector Intermodal Terminal (CCX). This infrastructure project will bring jobs and economic opportunity to eastern North Carolina and position the state as a hub for enhanced freight movement. Building the facility is expected to create



*Governor Pat McCrory makes CCX announcement to a crowd of 400, along with (l to r) NC Commerce Secretary John Skvarla, NCDOT Secretary Nick Tennyson, CSX President Clarence W. Gooden, CSX Chairman and CEO Michael J. Ward, NC Wesleyan College President Dewey Clark, Edgecombe County Commission Chairman Leonard Wiggins, Rocky Mount Mayor David Combs and Carolinas Gateway Partnership CEO Norris Tolson.*

250 to 300 short-term jobs in engineering, technical services and construction. Operation of the terminal will provide 149 CSX jobs by 2025 and 236 jobs in 2035. CCX will directly employ 149 workers at salaries averaging \$64,047 per year. Currently, the average annual wage in Edgecombe County is \$32,725.

CSX conservatively estimates that the hub and trucking activity back and forth to the facility is expected to create 1,500 jobs in North Carolina. NCDOT’s studies used comparisons with similar intermodal facilities to estimate the intermodal hub facility in Rocky Mount will create between 8,000 and 20,000 indirect and induced jobs in the state.

“This historic project is part of our 25-year vision for transportation because it facilitates efficient and cost-effective movement of goods, which is critical for job creation and economic growth,” said Governor McCrory. “The Carolina Connector will be a game-changer for our state’s economy, supporting North Carolina’s agriculture, ports and position as the Southeast’s No. 1 state for manufacturing jobs.”

CSX will invest \$160 million in the project. In North Carolina, CSX maintains an intermodal terminal in Charlotte, bulk transfer terminals in Charlotte, Raleigh, Wilmington and Winston-Salem and major rail yards in Hamlet and Rocky Mount.

Intermodal hubs improve efficiency in distributing containerized goods, primarily consumer and household products, from the point of production to retailers and consumers. CCX will transfer containerized cargo between trains and trucks, and serve as a

hub for intermodal train movements, providing North Carolina direct access to all domestic markets and ports on the CSX system.

Transporting goods by rail offers numerous benefits including reduced truck traffic and wear and tear on highways, improved air quality and highway safety, and more environmentally-friendly and cost effective movement

of freight. One intermodal train can carry the load of 280 trucks.

“The close proximity of Rocky Mount to CSX’s main north-south line, I-95 and the future I-87 corridor, as well as convenient access to the Raleigh economic center made this an ideal location for a regional transportation hub,” N.C. Transportation Secretary Nick Tennyson said. “This project builds on the investments we have made in our rail system, our ports and other infrastructure to help us meet growing logistics demands and improve the movement of goods throughout North Carolina.”

North Carolina’s Transportation Department will contribute \$100 million for track improvements as well as terminal infrastructure through the state’s new transportation funding formula (Strategic Transportation Investments), which Governor McCrory championed to take the politics out of transportation planning.

The intermodal terminal hub and associated track improvements are expected to be completed and open in 2020. Carolinas Gateway Partnership, the local economic development organization, controls nearly all of the land needed for the facility, which is located along CSX’s main rail line in a primarily industrial area.

Many partners were involved in the development of this project including North Carolina’s Transportation, Commerce, and Revenue departments as well as the Economic Development Partnership of N.C., Edgecombe County, the Carolinas Gateway Partnership and North Carolina Wesleyan College.

For more information on the project, [click here](#).

# New Direct Intermodal Rail Service to Connect Port of Wilmington and Charlotte

Governor Pat McCrory joined officials from the N.C. Transportation Department and CSX Corporation on July 19 at the Port of Wilmington to announce the debut of the new Queen City Express, an intermodal rail service between the Port of Wilmington and CSX's intermodal terminal in Charlotte.

"The Queen City Express will be the only direct freight rail service into the Greater Charlotte area from a port in North Carolina," Governor McCrory said. "The introduction of this new service will facilitate the efficient, cost-effective movement of goods between the global marketplace and one of the most significant economic centers in the southeastern United States."

CSX will eventually provide direct access from the Port of Wilmington to the Carolina Connector intermodal terminal (CCX) in Edgecombe County that Governor McCrory announced earlier in the day.

"The introduction of the Queen City Express fulfills a critical part of Governor McCrory's 25-year vision for transportation in North Carolina by strengthening freight movement throughout the state," Transportation Secretary Nick Tennyson said. "Enhancing North Carolina's rail service will decrease transportation costs for businesses and provide numerous statewide economic and environmental benefits."

CCX, along with the Queen City Express, will lower transportation costs for businesses while taking long-distance trucks off the road. Transporting goods by rail will reduce congestion and wear and tear on the state's highways, as well as improve safety and air quality. One intermodal train can eliminate as many as 280 trucks from the highway.

"CSX is proud to partner with the State of North Carolina to bring the Carolina Connector to Eastern North Carolina which will provide cheaper, faster and more environmentally-friendly connections for North Carolina's businesses and ports to domestic and international markets," said CSX Chairman and Chief Executive Officer, Michael J. Ward. "This critical infrastructure project will create jobs and spur economic development in the region, positioning Eastern North



Governor Pat McCrory announces the Queen City Express between the Port of Wilmington and CSX's Intermodal Terminal in Charlotte. NC Ports Authority Executive Director Paul Cozza, CSX Chairman and CEO Michael J. Ward and NCDOT Secretary Nick Tennyson were also on hand for the announcement.

Carolina as a transportation and logistics hub in the south."

"The return of intermodal rail to the Port of Wilmington expands our reach into an under-served market," said NC Ports Authority Executive Director Paul J. Cozza. "The Queen City Express will provide premier rail service over competing ports for existing and future container customers."

According to a recent North Carolina Ports survey, 90 percent of customers need intermodal service. The Port of Wilmington continues to see growth in containers and infrastructure, and recently welcomed its largest-ever container ship. To further expand the port's capabilities, the North Carolina State Ports Authority is moving forward with a \$100 million investment in infrastructure improvements including new cranes, an enhanced berth and a wider turning basin, with further expansion on the way. The state budget signed by Governor McCrory includes \$70 million over two years for modernization at the state ports.



## 2016 – North Carolina State Fair

Fall is just around the corner and so is the North Carolina State Fair. For 21 years, NC By Train and Amtrak have provided a special stop at the state fair. Fairgoers can take the Carolinian, which will make two stops daily beginning October 14 and continuing through October 23, and arrive across the street from the fair. Tickets are now available and enter station code NSF for this special stop.

Visit [www.ncbytrain.org](http://www.ncbytrain.org) for more information. Some restrictions may apply.



## Ridership & Revenue on NC's Amtrak Service – \*June 2016 vs. 2015

Icon	RIDERSHIP			REVENUE		
	2016	2015	% +/-	2016	2015	% +/-
	10,458	11,033	-5%	\$215,521	\$223,053	-3%
	25,933	23,775	9%	\$1,684,878	\$1,589,602	6%

1,130

Hosts Volunteered by N.C. Train Hosts in June, supporting NC ByTrain onboard and at events.



June 2016 service modifications and annulments impacted twelve Piedmont trains and four Carolinian trains. On June 6, June 20, and June 27, all Piedmont trains were annulled; on June 20, Carolinian trains operated only between Raleigh and New York; and on June 27, Carolinian Train 80 operated between Raleigh and New York and Train 79 between New York and Greensboro. Annulments accommodated PIP project structure and track work. Additional disruptions for PIP project work will continue to occur as necessary through completion of the project. Average gasoline prices were \$0.34/gallon lower in June 2016 than in June 2015 (EIA Weekly Retail Gasoline for Lower Atlantic region).

## Rail Division Retirements

**Dan Havener, PE, Project Engineer**, retired on August 1, 2016 after more than 15 years with the State of North Carolina. Dan began his career with NCDOT on the Training program before settling with Roadway Design. After nine years with the department he left NCDOT to work with the construction industry for twenty-eight years.



*Rail Director Paul Worley, Dan Havener and Engineering Coordination and Safety Manager Jahmal Pullen*

In May of 2010, Dan returned to NCDOT, to work with the Rail Division. He has been an integral member of the Engineering Coordination & Safety Branch, closing 36 at-grade rail crossings and lending his construction expertise to the ARRA program. We wish Dan the best in his retirement.

**Ken Turrentine, Crossing Inventory Engineer**, retired on August 1, 2016 after nearly 16 years with the Rail Division. Ken has been with Rail Division since October of 2000, beginning as a Crossing Inventory Technician and advancing to the position of Crossing Inventory Engineer. After beginning his career in the US Army, Ken managed construction, renovation and maintenance projects at Nortel Networks, Serrine and project oversight with NCDOT Bridge Maintenance. His talents and expertise were utilized through special projects for the Rail Division, including design and construction management of parking areas and office facilities at Capital Yard. We wish Ken the best in his retirement.



*Rail Data Analysis & Crossing Inventory Manager Drew Thomas, Ken Turrentine and wife, Debbie*

**Marc L. Hamel, Rail Project Development and Environmental Engineer**, retired on August 1, 2016 after 30 years with the State of North Carolina. Marc worked part-time at the NC State Ports Authority in the summers while pursuing his Civil Engineering degree at NCSU. After graduation, he worked as a Transportation Engineer at NCSU. In 1988, he transferred to NCDOT Planning and Research Branch. He moved to Project Planning in 1990 doing NEPA environmental work. In 1998, he joined the Rail Division, and eventually rose to Rail Project Development and Environmental Manager. His remaining 18 years flew by and provided Marc with great job satisfaction seeing rail improvements throughout the state. We wish Marc the best in his retirement.



*Marc Hamel and Rail Director Paul Worley*

## Station Attendant Retirement

**Sarah Taylor, Station Attendant Team Leader at the Kannapolis Train Station**, recently retired. Sarah began working at the Kannapolis



Station in April 2000 where she was a station host. As the Train Station Attendant Program grew, Sarah became Team Leader of the attendants who worked at that station. She has been an asset to passenger train service in North Carolina, assisting passengers at the station, working with the train hosts as well as Amtrak staff. We would like to say thank you, Sarah Taylor, for your many years of dedicated service. We wish you the best in your retirement.

## Amtrak's American View Car Offers Unique View of Rail Improvement Projects

On July 26, 27 and 28 state and railroad officials had an opportunity to see the Raleigh-Charlotte Piedmont Improvement Program projects first hand and from the railroad perspective onboard Amtrak's American View theater car. Rail Division staff was on board to brief passengers in detail on the projects, which are part of an ongoing initiative to improve safety and enhance efficiency along the state's rail corridor.



Among the passengers were N.C. Transportation Secretary Nick Tennyson and N.C. Commerce Secretary John Skvarla.

"This unique train car offers a first-hand look at the investments we are making in our state's rail system," said Secretary Tennyson. "These projects will make train travel safer and more reliable while supporting economic growth in the region."

From their seats on the theater car, passengers got an unparalleled view of the improvements, including new bridges that will separate tracks from vehicle traffic, parallel or second track, and new passing

sidings, which allow freight and passenger trains to pass each other so they can keep on schedule. Twenty-three public railroad crossings are being eliminated, reducing the potential for train and vehicle collisions. Projects are scheduled to be complete by 2017.

Once complete, the program will also add two passenger-train round trips between Raleigh and Charlotte, bringing the total to five round trips daily.

On July 29, as the American View traveled back to Washington, DC, officials were able to review the site for the Carolina Connector intermodal hub and three newly installed "universal crossover" control points in Rocky Mount, Enfield and south of Weldon. The crossover tracks improve efficiency on the railroad by providing locations for trains to switch from one track to another so faster trains can maneuver around slower trains. The crossovers were funded by FRA grants.



*Rail Division Manager of Design & Construction Jason Orthner provides project details during the trip.*

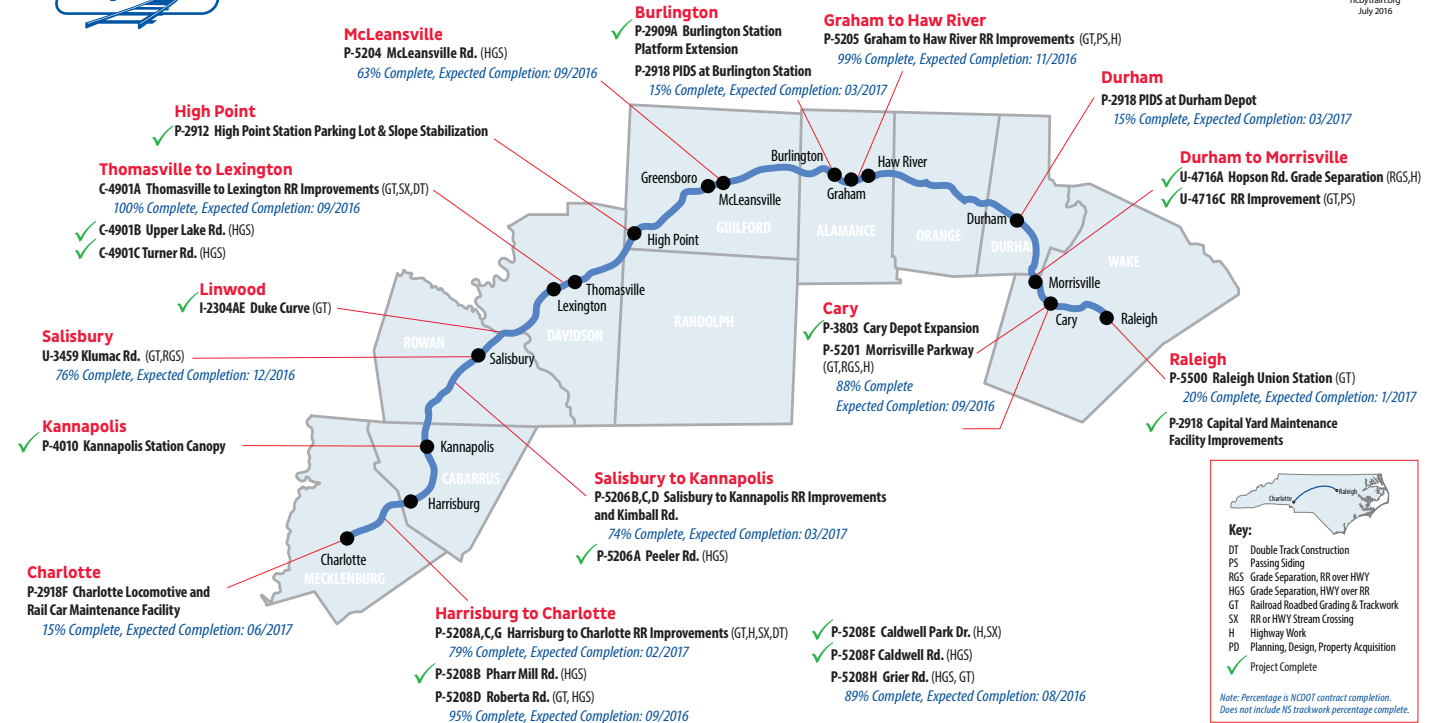




# Piedmont Improvement Program – July 2016 Status Report



ncdot.gov/projects/piip  
ncbytrain.org  
July 2016



2 Locomotives 25% Complete Expected Completion Date: 11 & 12/2016

NC By Train – Piedmont Equipment ✓ 5 Locomotives ✓ 11 Railcars

2 Cab Control Units 50% Complete Expected Completion Date: 10 & 12/2016  
2 Additional Cab Control Units from non-ARRA Funding\*

## Spent to Date of \$520M (eff. 7/31/2016)

Component	Expenditure
PD&A/ROW	\$52,166,729
Equipment Procurement & Rebuild	\$31,002,586
Stations & Facilities	\$45,901,338
Track & Structures	\$285,222,568
CRISP	\$2,180,376
<b>Program Totals</b>	<b>\$416,473,597</b>

Eight new contracts totaling \$617,882 were awarded in July.

## Commitments to Date of \$520M (eff. 7/31/2016)

Current Commitments		\$471M
Pending Commitments	Anticipated Date	\$42.7M
Charlotte Maintenance Facility Construction	8/16	\$33M
PIDS Construction	8/16	\$1.5M
PD&A	Through '16	\$8.2M
<b>Balance</b>		<b>\$6.3M</b>

## Transportation Officials Hold Ribbon Cutting for Durham Rail Project

State transportation officials gathered in Durham on July 12 to celebrate the completion the railroad bridge over Hopson Road and a 3.3 mile passing track between McCrimmon Parkway in Morrisville and I-40 in Durham.

Construction of the grade separation and passing track began in 2013, and was designed to improve road safety and speed up train travel by eliminating railroad crossings at Hopson Road and Church Street. A bridge wide enough to accommodate any future widening of Hopson Road was also built to carry train tracks over the road, replacing the existing street level crossing.



Former Deputy Secretary for Transit David King, Rail Division Manager of Design & Construction Jason Orthner, Rail Division Director Paul Worley, NCRP President Scott Saylor, NCDOT Secretary Nick Tennyson, Senator Mike Woodard, NCRP VP Engineering Jim Kessler

# Piedmont Improvement Program – Project Photos – July 2016



P-5500 Raleigh Union Station construction



P-5201 Morrisville Parkway, paving



P-5201 Morrisville Parkway, retaining wall



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



P-5204 McLeansville Road, road and bridge construction

## Piedmont Improvement Program – Project Photos – July 2016



C-4901 Bowers to Lake, track construction



U-3459 Klumac Road, roadway paving



P-5206 Reid to North Kannapolis, track construction



P-5206 Reid to North Kannapolis, 22nd Street roadway construction



P-5208 Haydock to Junker, Coddle Creek, bridge construction



P-5208 Haydock to Junker, Roberta Road bridge construction



# ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

## BOARD OF TRANSPORTATION SEPTEMBER 7, 2016

TIME: 3:00 PM

LOCATION: 160

TOPIC	PRESENTER	TIME
Kelly M. Kincaid – Bridge on Enola Road over I-40, Burke County, Division 13 (Brown)	Leigh Wing	5 min
First Sergeant J.S. Hackett & Patrolman J.A. Parker – McCoy Road Bridge over Lake Reidsville, Rockingham County, Division 7 (McQueary)	Leigh Wing	5 min
Other Business	Leigh Wing	10 min