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<td>Adjournment</td>
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Call to Order

Chairman Curran called the meeting of the Board of Transportation to order at 8:35 a.m. Thursday, October 6, 2016 in Raleigh, North Carolina with the following members present: Overholt, Tulloss, Sheehan, Crawford, McQueary, Perkins, Dodson, Wetmore, Palermo, Brown and Debnam.

Board Members Fearing, Blount, Fountain, and Hutchens called in.

Board Members Molamphy, and Alexander were absent.

Invocation

The invocation was offered by Board Member Perkins.

Ethics Statement

Chairman Curran read the Ethics Statement advising any Board Member that may have a conflict of interest or appearance of conflict to abstain from participation in that particular item and to file the proper paper work with the Secretary to the Board.

Approval – Minutes of the September 8, 2016 Board Meeting

The minutes of the September 8, 2016 Board of Transportation meeting were unanimously approved upon a motion by Board Member Palermo, seconded by Board Member McQueary.

Resolution for Kelly Michael Kincaid

Upon the recommendation of the Road Naming Committee, a motion was made by Board Member Brown and seconded by Overholt, to approve the following resolution:

WHEREAS, Kelly Michael Kincaid served the State of North Carolina, Burke County and the City of Morganton for more than 19 years as a Lieutenant and Shift Commander with the Burke County Sheriff’s Office, a reserve police officer with the North Carolina Department of Health and Human Services Police Department at Broughton Hospital and a reserve firefighter with the Morganton Department of Public Safety; and

WHEREAS, on March 16, 2006, Kelly Michael Kincaid, as a reserve firefighter for the Morganton Department of Public Safety, responded to the scene of a residential structure fire, and collapsed on the scene while performing fire suppression duties and on March 19, 2006 passed away as a result thereof; and

WHEREAS, Kelly Michael Kincaid performed his law enforcement and reserve firefighting duties with courage, honor and dignity and gave his life in the execution of those duties; and

WHEREAS, a bridge currently under construction on Enola Road in the City of Morganton, North Carolina lays in close proximity to both the Burke County Sheriff’s Office and the grounds of Broughton Hospital and is yet unnamed; and

WHEREAS, Chapter XXIII of the North Carolina Blue Knights, Morganton/Burke Lodge #23 of the Fraternal Order of Police, the Morganton Department of Public Safety, the Burke County Sheriff’s Office and the North Carolina Department of Health and Human Services Police Department at Broughton Hospital request to name the bridge currently under construction on Enola Road in the City of Morganton in memory of Kelly Michael Kincaid, and in honor of his professional and personal sacrifice.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the bridge on Enola Road over I-40 in Burke County as the Kelly M. Kincaid Bridge.
Resolution for First Sergeant J. S. Hackett and Patrolman J. A. Parker

Upon the recommendation of the Road Naming Committee, a motion was made by Board Member McQueary and seconded by Dodson, to approve the following resolution:

WHEREAS, First Sergeant J. S. Hackett and Patrolman J. A. Parker were law enforcement officers who tragically lost their lives on June 19, 1974 while serving the City of Reidsville and Rockingham County; and

WHEREAS, on that fateful day, the helicopter in which they were flying as they surveyed the road crashed in the area of McCoy Road in Reidsville; and

WHEREAS, First Sergeant Hackett and Patrolman Parker made the ultimate sacrifice while in service to the residents of Rockingham County and the State of North Carolina; and

WHEREAS, the renaming of the McCoy Road Bridge near the crash site is a fitting tribute to these men who served with diligence and honor. They may be gone but are not forgotten by their families and many friends who still reside in Rockingham County as well as the citizens of the city and state; and

WHEREAS, the City of Reidsville requests to rename the McCoy Road Bridge in honor and memory of First Sergeant J. S. Hackett and Patrolman J. A. Parker.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the McCoy Road Bridge over Lake Reidsville in Rockingham County as the **First Sergeant John S. Hackett & Patrolman James A. Parker Bridge.**

That appropriate signs will be erected at a suitable time.

Adopted, this the 6th day of October 2016 by the North Carolina Board of Transportation.

Chairman Curran’s Remarks

Chairman Curran welcomed everyone and turned the meeting over to Chief Deputy Secretary Grey.

Chief Deputy Secretary Gray’s Remarks

Deputy Secretary Gray welcomed special guests and thanked everyone for attending.

He thanked employees for storm response efforts due to the flooding in Northeastern NC several weeks ago, the flooding in the Sandhills last week, and preparation for Hurricane Matthew.

He asked Inspector Dean Roscoe with the Goldsboro License & Theft Bureau Office to come forward. On Wednesday, September 14th, Inspector Roscoe was outside his office when he saw a woman run out of the driver license office toward him carrying a small child who was choking. Inspector Roscoe administered the Heimlich maneuver, saving the child from a potentially tragic situation. Deputy Secretary Gray congratulated and thanked him for his heroic actions and presented him with the “Extra Mile” award.

Jay Mozingo, technician in our Youngsville Resident Engineer’s Office in Division 5, received the Governor’s Award for Excellence in Safety and Heroism at the Governor’s 2016 Award Ceremony in September. In August 2015, Jay helped save a drowning driver who had crashed into a pond and was presented with the Extra Mile Award in 2015.
The Turnpike Authority received several awards from the International Bridge, Tunnel and Turnpike Association this past month including the Toll Excellence Award for Customer Service and Marketing Outreach for its Multi-Agency Interoperability and the prestigious President’s Award for its work on the Triangle Expressway. This award is considered the highest honor within the international toll industry.

Deputy Secretary Gray recognized Patrick McCaully, Video Marking Specialist in the Communications Office for taking 1st place in the 2016 TransComm External Video Production category for his video on the history of the Bonner Bridge. The TransComm Skills Contest is conducted annually by the AASHTO Subcommittee on Transportation Communication.

Online Driver License Renewals Hit 500,000 and has saved nearly 250,000 customer hours, and almost 125,000 staff hours have been freed to help others. About 70 percent of the customers who are still visiting an office could complete their transaction online.

Southeastern North Carolina has received approval to expand Foreign Trade Zone 214 to include 22 counties in southeastern North Carolina and three new magnet sites run by a third party. On October 4th in conjunction with North Carolina Manufacturing Week, Secretary Tennyson toured Craven County Industrial Park, one of the new magnet sites. A new business model was also approved that reduces the time it takes companies to attain foreign trade zone status from months to just weeks.

The Department is seeking federal approval to designate U.S. 264 as a future interstate from the U.S. 264/64 split in Zebulon to Greenville. FHWA and AASHTO are expected to make a decision by end of the year. The Department also launched North Carolina’s Vision Zero campaign aimed at achieving zero deaths and fatalities on our highways.

Division level project scoring is in progress and local input point submittal ends October 31. The public comment period is Oct. 10-Oct. 21. The P5.0 Work Group kicked off this week.

Construction Career Days was held in Greenville on October 4 and 5 and gave more than 1,600 high schoolers from eastern NC hands on experience in the construction industry. Secretary Tennyson participated in the 20th Annual International Walk to School Day on Wednesday, October 5th at Conn Elementary School in Raleigh. Schools throughout NC participated and the event was aimed at promoting safety and the benefits of walking to school.

Approval of Projects

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve all the projects, excluding items C, D, E, H and L, as they are delegated authority items and require no Board action.

Delegated Authority Items

Approval – Award of Highway Construction Contracts in the September 20, 2016 Letting

Projects were awarded by the Secretary to the low bidder on all projects.
 Approval - Professional Services Management

The Board concurred with the staff recommendations and delegated authority to the Secretary to award the following contracts.

**Technical Services**

**Project Development and Environmental Analysis**
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 Planning and Design LSC
Project Development and Environmental Analysis – Human Environment

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

STATEWIDE

Description of Work: 2016 Limited English Proficiency LSC
Firm: Three Oaks Engineering, Inc., Durham, NC
Maximum Engineering Fee: $250,000.00
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2016 Limited English Proficiency LSC
Firm: SpanishSpeaking LLC, Winston-Salem, NC
Maximum Engineering Fee: $500,000.00
SPSF Utilization: 100%

Description of Work: 2016 Limited English Proficiency LSC
Firm: Neighborhood Solutions, LLC, Winston-Salem, NC
Maximum Engineering Fee: $300,000.00
DBE/MBE/SPSF Utilization: 100%

Description of Work: 2016 Limited English Proficiency LSC
Firm: Mott MacDonald I&E LLC, Fuquay-Varina, NC
Maximum Engineering Fee: $200,000.00
SPSF Utilization: 0%

Description of Work: 2016 Limited English Proficiency LSC
Firm: MM/I and Associates, LLC, Raleigh, NC
Maximum Engineering Fee: $250,000.00
DBE/MBE/SPSF Utilization: 100%
The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

**STATEWIDE**

**Description of Work:** 2012 Limited English Proficiency LSC  
**Firm:** Spanish Speaking LLC, Winston-Salem, NC  
**Original Engineering Fee:** $400,000.00  
**Supplemental Fee:** $54,000.00  
**SPSF Utilization:** 100%

**Roadway Design**

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 2**

**Project:** 46015.1.1 (B-5301) Pitt County Bridge No 87 over Norfolk Southern Railroad on NC 33  
**Scope of Work:** Roadway and Hydraulic Design  
**Estimated Construction Cost:** $2,150,000.00  
**Firm:** Sepi Engineering & Construction, Inc., Raleigh, NC  
**Original Engineering Fee:** $42,254.47  
**Previous Supplemental Fee:** $27,818.27  
**Supplemental Fee:** $45,724.72  
**Supplemental Work:** Alignment had to be moved to keep existing traffic open while constructing the new bridge  
**SPSF Utilization:** 0%

**Chief Engineer**

**Divisions 5, 7, 8, and 9**

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 Divisions 5, 7, 8, and 9 Planning and Design Limited Services on an as needed basis for various federal-aid and state funded projects to support Divisions 5, 7, 8, and 9. These contracts will expire two years, with an optional one year extension possible, after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

**Description of Work:** 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC  
**Firm:** The Nau Company, PLLC, Rolesville, NC  
**Maximum Engineering Fee:** $5,000,000.00  
**SPSF Utilization:** 100%

**Description of Work:** 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: HNTB of North Carolina, PC, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
SPSF Utilization: Axiom Environmental, Inc. $50,000.00
1%
DBE/WBE/SPSF Utilization: CH Engineering, PLLC $100,000.00
2%
SPSF Utilization: Carolina Land Acquisitions, Inc. $50,000.00
1%
SPSF Utilization: Environmental Services, Inc. $50,000.00
1%
DBE/MBE/SPSF Utilization: MA Engineering Consultants, Inc. $100,000.00
2%
DBE/SPSF Utilization: MI Engineering, PLLC $50,000.00
1%
SPSF Utilization: So-Deep US, PC $100,000.00
2%
Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: TGS Engineers, Shelby, NC
Maximum Engineering Fee: $5,000,000.00
SPSF Utilization: Carolina Ecosystems, Inc. $150,000.00
3%
SPSF Utilization: Utility Coordination Consultants $150,000.00
3%
SPSF Utilization: Commonwealth Heritage Group, Inc. $100,000.00
2%
DBE/WBE/SPSF Utilization: Morton & Morton Design Services, PLLC $50,000.00
1%
Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: WSP PB, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
SPSF Utilization: Sungate Design Group, PA $500,000.00
10%
SPSF Utilization: Davis-Martin-Powell & Associates, Inc. $250,000.00
5%
SPSF Utilization: Patriot Transportation Engineering, PLLC $250,000.00
5%
DBE/WBE/SPSF Utilization: Dovetail Cultural Resource Group, Inc. $100,000.00
2%
Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: STV Engineers, Inc., Charlotte, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: Calyx Engineers and Consultants, Inc. $1,000,000.00 20%
DBE/WBE/SPSF Utilization: Falcon Engineering, Inc. $100,000.00 2%
SPSF Utilization: Progressive Design Group, Inc. $150,000.00 3%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: HDR Engineering Inc. of the Carolinas, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: CH Engineering, PLLC $250,000.00 5%
SPSF Utilization: Carolina Land Acquisitions, Inc. $50,000.00 1%
SPSF Utilization: Clearbox Forecast Group PLLC $150,000.00 3%
SPSF Utilization: Hinde Engineering, Inc. $150,000.00 3%
DBE/WBE/SPSF Utilization: Planning Communities LLC $150,000.00 3%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Stewart, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
SPSF Utilization: 100%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: RS&H Architects-Engineers-Planners, Inc., Charlotte, NC
Maximum Engineering Fee: $5,000,000.00
SPSF Utilization: Carolina Ecosystems, Inc. $150,000.00 3%
DBE/WBE/SPSF Utilization: Planning Communities LLC $200,000.00 4%
SPSF Utilization: So-Deep US, PC $150,000.00 3%
SPSF Utilization: Angler Environmental $100,000.00 2%
SPSF Utilization: Commonwealth Heritage Group, Inc. $100,000.00 2%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: VHB Engineering NC PC, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
SPSF Utilization: Commonwealth Heritage Group, Inc. $50,000.00
1%
DBE/WBE/SPSF Utilization: Falcon Engineering, Inc. $50,000.00
1%
DBE/SPSF Utilization: MI Engineering, PLLC $250,000.00
5%
DBE/MBE/SPSF Utilization: Neighborhood Solutions LLC $50,000.00
1%
SPSF Utilization: Sungate Design Group, PA $250,000.00
5%
SPSF Utilization: TGS Engineers $450,000.00
9%
SPSF Utilization: So-Deep US, PC $200,000.00
4%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Vaughn & Melton Consulting Engineers, Asheville, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: Wetherill Engineering, Inc. $500,000.00
10%
SPSF Utilization: Parrish and Partners of North Carolina, PLLC $100,000.00
2%
SPSF Utilization: Environmental Corporation of North Carolina, Inc. $100,000.00
2%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Simpson Engineers & Associates PC, Cary, NC
Maximum Engineering Fee: $5,000,000.00
DBE/MBE/SPSF Utilization: 100%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Wetherill Engineering, Inc., Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Rummel Klepper & Kahl LLP, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: Falcon Engineering, Inc. $200,000.00
4%
DBE/MBE/SPSF Utilization: Accelerate Engineering PLLC $100,000.00
2%
DBE/WBE/SPSF Utilization: New South Associates, Inc. $50,000.00
1%
DBE/MBE/SPSF Utilization: MM/I and Associates, LLC $50,000.00
1%

DBE/WBE/SPSF Utilization: CH Engineering, PLLC $100,000.00
2%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: CH Engineering, PLLC, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: New South Associates, Inc. $100,000.00
2%

DBE/WBE/SPSF Utilization: CH Engineering, PLLC $200,000.00
4%

DBE/WBE/SPSF Utilization: Wetherill Engineering, Inc. $300,000.00
6%

SPSF Utilization: Carolina Land Acquisitions, Inc. $100,000.00
2%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Calyx Engineers and Consultants Inc., Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: H.W. Lochner, Inc., Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: CH Engineering, PLLC $250,000.00
5%

SPSF Utilization: Commonwealth Heritage Group, Inc. $50,000.00
1%

DBE/WBE/SPSF Utilization: Ecological Engineering, LLP $400,000.00
8%

DBE/WBE/SPSF Utilization: Falcon Engineering, Inc. $200,000.00
4%

DBE/MBE/SPSF Utilization: Mekuria Engineering, Inc. $100,000.00
2%

DBE/MBE/SPSF Utilization: MM/I and Associates, LLC $50,000.00
1%

DBE/MBE/SPSF Utilization: Simpson Engineers & Associates PC $200,000.00
4%

SPSF Utilization: So-Deep US, PC $200,000.00
4%

SPSF Utilization: Sungate Design Group, PA $250,000.00
Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Ramey Kemp & Associates, Inc., Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
SPSF Utilization: 100%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: KCI Associates of North Carolina PC, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: Planning Communities LLC
25%
DBE/WBE/SPSF Utilization: Ecological Engineering, LLP
15%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Parsons Transportation Group, Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: Three Oaks Engineering, Inc.
7%
SPSF Utilization: Sungate Design Group, PA
5%
SPSF Utilization: Hinde Engineering, Inc.
4%
SPSF Utilization: So-Deep US, PC
5%
SPSF Utilization: Carolina Land Acquisitions, Inc.
2%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Dewberry Engineers, Inc., Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: CH Engineering, PLLC
5%
DBE/MBE/SPSF Utilization: Davenport
5%
SPSF Utilization: Patriot Transportation Engineering, PLLC
4%
DBE/WBE/SPSF Utilization: Planning Communities LLC
4%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: Mott MacDonald I&E LLC, Fuquay-Varina, NC
Maximum Engineering Fee: $5,000,000.00
DBE/MBE/SPSF Utilization: Accelerate Engineering PLLC
1%
SPSF Utilization: Axiom Environmental, Inc.
$150,000.00
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<tr>
<th>Firm</th>
<th>Utilization</th>
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<td>3%</td>
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</tr>
<tr>
<td>Wetherill Engineering, Inc.</td>
<td>2%</td>
<td>$100,000.00</td>
</tr>
</tbody>
</table>

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC Firm: Summit Design and Engineering Services, PLLC, Hillsborough, NC Maximum Engineering Fee: $5,000,000.00 SPSF Utilization: 100%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC Firm: Sepi Engineering & Construction, Inc., Raleigh, NC Maximum Engineering Fee: $5,000,000.00 DBE/WBE/SPSF Utilization: New South Associates, Inc. $50,000.00 1%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC Firm: Stantec Consulting Services, Inc., Raleigh, NC Maximum Engineering Fee: $5,000,000.00 DBE/WBE/SPSF Utilization: Anne Morris and Associates, LLC $50,000.00 1%

Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC Firm: Stantec Consulting Services, Inc., Raleigh, NC Maximum Engineering Fee: $5,000,000.00 DBE/WBE/SPSF Utilization: MI Engineering, PLLC $100,000.00 2%

SPSF Utilization: Patriot Transportation Engineering, PLLC 2% SPSF Utilization: So-Deep US, PC 2% DBE/WBE/SPSF Utilization: Wetherill Engineering, Inc. $100,000.00 2%
Description of Work: 2016 Divisions 5, 7, 8, and 9 Planning and Design LSC
Firm: ICA Engineering, Inc., Raleigh, NC
Maximum Engineering Fee: $5,000,000.00
DBE/WBE/SPSF Utilization: CH Engineering, PLLC $250,000.00 5%
SPSF Utilization: Alpha & Omega Group PC $250,000.00 5%

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 7
Project: 34418.3.5 (R-2309AB) Guilford County
34429.3.7 (R-2413C) Guilford County
US 220 (combined with R-2413C) from SR 2182 (Horsepen Creek Rd.) to 0.2 mile north of SR 2313 (Winfree Road) and US 220 / Future I-73 from the Haw River to NC 68 / US 220 Intersection (combined with R-2309AB)
Scope of Work: Construction Engineering and Inspection Services
Estimated Construction Cost: $96,195,464.51
Firm: Volkert, Inc. Raleigh, NC
Original Engineering Fee: $7,000,000.00
Supplemental Fee: $2,200,000.00
Supplemental Work: Additional CEI Services
SPSF Utilization: Summit Design and Engineering Services, PLLC $990,000.00 45%

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.

STATEWIDE
Description of Work: 2014-2016 CEI LSC
Firm: Campo & Associates, PLLC, Kannapolis, NC
Original Engineering Fee: $10,000,000.00
Supplemental Fee: $5,000,000.00
SPSF Utilization: TGS Engineers, Inc. $500,000.00 10%

Description of Work: 2014-2016 CEI LSC
Firm: DRMP, Inc., Charlotte, NC
Original Engineering Fee: $10,000,000.00
Supplemental Fee: $5,000,000.00
DBE/MBE/SPSF Utilization: Bree & Associates, Inc. $1,000,000.00
Description of Work: 2014-2016 CEI LSC
Firm: KCI Associates of North Carolina PC, Raleigh, NC
Original Engineering Fee: $10,000,000.00
Previous Supplemental Fee: $5,000,000.00
Supplemental Fee: $5,000,000.00
SPSF Utilization: 0%

Description of Work: 2014-2016 CEI LSC
Firm: Rummel, Klepper & Kahl, LLP, Raleigh, NC
Original Engineering Fee: $10,000,000.00
Previous Supplemental Fee: $10,000,000.00
Supplemental Fee: $10,000,000.00
SPSF Utilization: 5%
DBE/WBE/SPSF Utilization: OLH, Inc. $500,000.00 5%

Description of Work: 2014-2016 CEI LSC
Firm: Sepi Engineering & Construction, Inc., Raleigh, NC
Original Engineering Fee: $10,000,000.00
Previous Supplemental Fee: $10,000,000.00
Supplemental Fee: $10,000,000.00
SPSF Utilization: 0%

Description of Work: 2014-2016 CEI LSC
Firm: Summit Design and Engineering Services, PLLC, Hillsborough, NC
Original Engineering Fee: $10,000,000.00
Previous Supplemental Fee: $5,000,000.00
Supplemental Fee: $10,000,000.00
SPSF Utilization: 100%

Description of Work: 2014-2016 CEI LSC
Firm: Vaughn & Melton Consulting Engineers, Asheville, NC
Original Engineering Fee: $10,000,000.00
Previous Supplemental Fee: $5,000,000.00
Supplemental Fee: $10,000,000.00
SPSF Utilization: 0%

Description of Work: 2014-2016 CEI LSC
Firm: Volkert, Inc., Raleigh, NC
Original Engineering Fee: $10,000,000.00
Previous Supplemental Fee: $5,000,000.00
Supplemental Fee: $10,000,000.00
SPSF Utilization: 0%

**Divisions 1, 2, 3, 4, and 6**
Description of Work: Divisions 1, 2, 3, 4, and 6 Planning and Design LSC
<table>
<thead>
<tr>
<th>Firm:</th>
<th>HDR Engineering, Inc., of the Carolinas, Raleigh, NC</th>
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<tbody>
<tr>
<td>Original Engineering Fee:</td>
<td>$3,000,000.00</td>
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<tr>
<td>Supplemental Fee:</td>
<td>$2,000,000.00</td>
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<tr>
<td>SPSF Utilization:</td>
<td>SPSF Utilization:</td>
</tr>
<tr>
<td>Hinde Engineering, Inc. $100,000.00</td>
<td>5%</td>
</tr>
<tr>
<td>SPSF Utilization:</td>
<td>Joyner Keeny, PLLC $40,000.00</td>
</tr>
<tr>
<td>SPSF Utilization:</td>
<td>Patriot Transportation Engineering, PLLC $80,000.00</td>
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<td>SPSF Utilization:</td>
<td>Planning Communities, LLC $60,000.00</td>
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<tr>
<td>SPSF Utilization:</td>
<td>Ramey Kemp &amp; Associates, Inc. $100,000.00</td>
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**Description of Work:** Divisions 1, 2, 3, 4, and 6 Planning and Design LSC

<table>
<thead>
<tr>
<th>Firm:</th>
<th>HNTB of North Carolina, PC, Raleigh, NC</th>
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<tbody>
<tr>
<td>Original Engineering Fee:</td>
<td>$3,000,000.00</td>
</tr>
<tr>
<td>Supplemental Fee:</td>
<td>$4,000,000.00</td>
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<tr>
<td>SPSF Utilization:</td>
<td>SPSF Utilization:</td>
</tr>
<tr>
<td>Carolina Land Acquisitions, Inc. $200,000.00</td>
<td>5%</td>
</tr>
<tr>
<td>SPSF Utilization:</td>
<td>Environmental Services, Inc. $200,000.00</td>
</tr>
<tr>
<td>SPSF Utilization:</td>
<td>MA Engineering Consultants, Inc. $200,000.00</td>
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<tr>
<td>SPSF Utilization:</td>
<td>MI Engineering, PLLC $200,000.00</td>
</tr>
<tr>
<td>SPSF Utilization:</td>
<td>So-Deep US, PC $200,000.00</td>
</tr>
</tbody>
</table>

**Description of Work:** Divisions 1, 2, 3, 4, and 6 Planning and Design LSC

<table>
<thead>
<tr>
<th>Firm:</th>
<th>Michael Baker Engineering, Inc., Cary, NC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Original Engineering Fee:</td>
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</tr>
<tr>
<td>Supplemental Fee:</td>
<td>$4,500,000.00</td>
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<td>SPSF Utilization:</td>
<td>SPSF Utilization:</td>
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<tr>
<td>Sungate Design Group, PA $675,000.00</td>
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<td>SPSF Utilization:</td>
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<tr>
<td>SPSF Utilization:</td>
<td>Ramey Kemp &amp; Associates, Inc. $90,000.00</td>
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<td>SPSF Utilization:</td>
<td>Southeastern Right of Way, LLC $90,000.00</td>
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<tr>
<td>SPSF Utilization:</td>
<td>Dovetail Cultural Resource Group, Inc. $90,000.00</td>
</tr>
</tbody>
</table>

**Description of Work:** Divisions 1, 2, 3, 4, and 6 Planning and Design LSC

<table>
<thead>
<tr>
<th>Firm:</th>
<th>RS&amp;H Architects-Engineers-Planners, Inc., Charlotte, NC</th>
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</thead>
<tbody>
<tr>
<td>Original Engineering Fee:</td>
<td>$3,000,000.00</td>
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<tr>
<td>Supplemental Fee:</td>
<td>$1,000,000.00</td>
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<td>SPSF Utilization:</td>
<td>SPSF Utilization:</td>
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<tr>
<td>Carolina Ecosystems, Inc. $25,000.00</td>
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</tr>
<tr>
<td>DBE/WBE/SPSF Utilization</td>
<td>Firm</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>2.5%</td>
<td>Planning Communities, LLC</td>
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<tr>
<td></td>
<td>So-Deep US, PC</td>
</tr>
<tr>
<td>2.5%</td>
<td>Commonwealth Heritage Group, Inc.</td>
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<tr>
<td></td>
<td>So-Deep US, PC</td>
</tr>
<tr>
<td>2%</td>
<td>Patriot Transportation Engineering, PLLC</td>
</tr>
<tr>
<td>1%</td>
<td>Anne Morris and Associates, LLC</td>
</tr>
<tr>
<td>2%</td>
<td>Mekuria Engineering, Inc.</td>
</tr>
<tr>
<td>1%</td>
<td>MI Engineering, PLLC</td>
</tr>
<tr>
<td>2%</td>
<td>SEPI Engineering &amp; Construction, Inc., Raleigh, NC</td>
</tr>
<tr>
<td>2%</td>
<td>Neighborhood Solutions, LLC</td>
</tr>
<tr>
<td>2%</td>
<td>Calyx Engineers and Consultants, Inc., Raleigh, NC</td>
</tr>
<tr>
<td>100%</td>
<td>CDM Smith, Inc., Raleigh, NC</td>
</tr>
<tr>
<td>Description of Work</td>
<td>Firm</td>
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<td>---------------------</td>
<td>------</td>
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<tr>
<td>Divisions 1, 2, 3, 4, and 6 Planning and Design LSC</td>
<td>STV Engineers, Inc., Charlotte, NC</td>
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<tr>
<td>Divisions 10-14 Planning and Design LSC</td>
<td>MA Engineering Consultants, Inc., Cary, NC</td>
</tr>
<tr>
<td>Divisions 10-14 Planning and Design LSC</td>
<td>Calyx Engineers and Consultants, Inc., Raleigh, NC</td>
</tr>
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<td>Divisions 10-14 Planning and Design LSC</td>
<td>DRMP, Inc., Charlotte, NC</td>
</tr>
<tr>
<td>Divisions 10-14 Planning and Design LSC</td>
<td>Chipley Consulting, LLC</td>
</tr>
<tr>
<td></td>
<td>Donal Simpson, FAIA, AICP</td>
</tr>
<tr>
<td></td>
<td>Environmental Services, Inc.</td>
</tr>
</tbody>
</table>
SPSF Utilization:  
Hinde Engineering, Inc. $50,000.00
5%

SPSF Utilization:  
Sungate Design Group, PA $100,000.00
10%

Description of Work:  
Divisions 10-14 Planning and Design LSC
Firm:  
HNTB of North Carolina, PC, Raleigh, NC
Maximum Engineering Fee:  
$3,000,000.00
Supplemental Fee:  
$3,000,000.00
SPSF Utilization:  
Commonwealth Heritage Group, Inc. $30,000.00
1%

DBE/WBE/SPSF Utilization:  
Three Oaks Engineering, Inc. $90,000.00
3%

DBE/MBE/SPSF Utilization:  
MA Engineering Consultants, Inc. $150,000.00
5%

SPSF Utilization:  
Carolina Land Acquisitions, Inc. $30,000.00
1%

Description of Work:  
Divisions 10-14 Planning and Design LSC
Firm:  
RS&H Architects-Engineers-Planners, Inc., Charlotte, NC
Original Engineering Fee:  
$3,000,000.00
Supplemental Fee:  
$2,000,000.00
SPSF Utilization:  
Carolina Ecosystems, Inc. $60,000.00
3%

SPSF Utilization:  
Progressive Design Group, Inc. $60,000.00
3%

DBE/WBE/SPSF Utilization:  
Planning Communities, LLC $60,000.00
3%

SPSF Utilization:  
Commonwealth Heritage Group, Inc. $60,000.00
3%

Description of Work:  
Divisions 10-14 Planning and Design LSC
Firm:  
Rummel, Klepper & Kahl, LLP, Raleigh, NC
Original Engineering Fee:  
$3,000,000.00
Supplemental Fee:  
$2,000,000.00
DBE/WBE/SPSF Utilization:  
Falcon Engineering, Inc. $100,000.00
5%

SPSF Utilization:  
Ramey & Kemp Associates, Inc. $20,000.00
1%

DBE/WBE/SPSF Utilization:  
New South Associates, Inc. $20,000.00
1%

DBE/MBE/SPSF Utilization:  
MM/I and Associates, LLC $20,000.00
1%

Description of Work:  
Divisions 10-14 Planning and Design LSC
Firm:  
Stantec Consulting Services, Inc., Raleigh, NC
Original Engineering Fee:  
$3,000,000.00
Supplemental Fee:  
$2,000,000.00
SPSF Utilization:  
Patriot Transportation Engineering, PLLC $80,000.00
1%
Falcon Engineering, Inc. $80,000.00

Anne Morris and Associates, LLC $20,000.00

Firm: Stewart, Raleigh, NC
Original Engineering Fee: $3,000,000.00
Supplemental Fee: $1,000,000.00

STV Engineers, Inc., Charlotte, NC
Original Engineering Fee: $3,000,000.00
Supplemental Fee: $3,000,000.00

Chipley Consulting, LLC $150,000.00

Ecological Engineering, LLP $150,000.00

New South Associates, Inc. $150,000.00

Progressive Design Group, Inc. $150,000.00

TGS Engineers, Shelby, NC
Original Engineering Fee: $3,000,000.00
Supplemental Fee: $3,000,000.00

Vaughn & Melton Consulting Engineers, Asheville, NC
Original Engineering Fee: $3,000,000.00
Supplemental Fee: $3,000,000.00

Wetherill Engineering, Inc. $240,000.00

Mattern & Craig, Inc. $60,000.00

Environmental Corporation of North Carolina, Inc. $60,000.00

Wetherill Engineering, Inc., Raleigh, NC
Maximum Engineering Fee: $3,000,000.00
Supplemental Fee: $3,000,000.00

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%

Wetherill Engineering, Inc., Raleigh, NC
DBE/WBE/SPSF Utilization: 100%

Progressive Design Group, Inc.
SPSF Utilization: 5%

Mattern & Craig, Inc.
SPSF Utilization: 2%

Environmental Corporation of North Carolina, Inc.
SPSF Utilization: 2%
Firm: WSP USA CORP, Cary, NC
Original Engineering Fee: $3,000,000.00
Supplemental Fee: $2,000,000.00
SPSF Utilization: Commonwealth Heritage Group, Inc. $100,000.00
5%
DBE/WBE/SPSF Utilization: Chipley Consulting, LLC $100,000.00
5%
DBE/WBE/SPSF Utilization: Falcon Engineering, Inc. $100,000.00
5%
DBE/WBE/SPSF Utilization: Morton & Morton Design Services, PLLC $60,000.00
3%

Transit

Rail

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Rail Consulting and Facilitation Services on an as needed basis for various federal-aid and state funded projects to support the Rail Division. These contracts will expire August 31, 2019 or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

Description of Work: 2016 Rail Consulting and Facilitation Services LSC
Firm: Eckel & Vaughan, LLC, Raleigh, NC
Maximum Engineering Fee: $2,000,000.00
SPSF Utilization: 100%

Description of Work: 2016 Rail Consulting and Facilitation Services LSC
Firm: Fountainworks, Inc., Raleigh, NC
Maximum Engineering Fee: $2,000,000.00
SPSF Utilization: Lyerly Agency, Inc. $400,000.00
20%

Description of Work: 2016 Rail Consulting and Facilitation Services LSC
Firm: Simpson Engineers & Associates, PC, Cary, NC
Maximum Engineering Fee: $2,000,000.00
DBE/MBE/SPSF Utilization: 100%

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.

Project: 49999.1.STR24 Wake County
Public Information Display Systems (PIDS)
Description of Work: Bidding and Construction Administration Services PIDS at Three NC Train Stations
Firm: David E. Gall, Architect, PA, Winston-Salem, NC
Original Engineering Fee: $456,291.91
Previous Supplemental Fee: $308,398.49
Supplemental Fee: $248,043.89
Supplemental Work: Construction Administration
DBE/MBE/SPSF Utilization: Simpson Engineers & Associates, PC $30,240.28
12%

Planning & Programming

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

STATEWIDE
Description of Work: 2015 Feasibility Studies LSC
Firm: RK&K, LLP, Raleigh, NC
Original Supplemented Engineering Fee: $500,000.00
Supplemental Fee: $170,000.00
SPSF Utilization: 0%

Approval - Secondary Road Improvement Projects (Highway and Trust Funds)

The Board concurred with the staff recommendations and delegated authority to the Secretary to award the following:

<table>
<thead>
<tr>
<th>County</th>
<th>SR No.</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guilford</td>
<td>SR 2329</td>
<td>Turn Lane Construction.</td>
<td>$20,000.00</td>
</tr>
<tr>
<td>Div. 7</td>
<td>Spencer Dixon Road</td>
<td>WBS 7C.041255</td>
<td>$287,571.43</td>
</tr>
<tr>
<td>Caldwell</td>
<td>SR 1848</td>
<td>GDB&amp;P.</td>
<td>$141,000.00</td>
</tr>
<tr>
<td>Div. 11</td>
<td>Blueberry Drive</td>
<td>WBS 11C.014097</td>
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<tr>
<td>Caldwell</td>
<td>SR 1890</td>
<td>GDB&amp;P.</td>
<td></td>
</tr>
<tr>
<td>Div. 11</td>
<td>Blue Dove Lane</td>
<td>WBS 11C.014096</td>
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Deletions

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<tr>
<th>County</th>
<th>SR No.</th>
<th>Reason</th>
<th>Amount</th>
</tr>
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<tbody>
<tr>
<td>Currituck</td>
<td>SR 1217</td>
<td>GDB&amp;P.</td>
<td>-$119,929.91</td>
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<tr>
<td>Div. 1</td>
<td>Cooper Garrett Road</td>
<td>Unavailable Right of Way. WBS 1C.027071</td>
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October 2016 Item E Summary:

3 Projects to Establish Funds   Amount: $448,571.43
1 Projects to Delete            Amount: -$119,929.91
Approval – Division-wide Small Construction, Statewide Contingency, Public Access, Economic Development

The Board concurred with the staff recommendations and delegated authority to the Secretary to award the following:

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Div 1 Dare</td>
<td>Town of Southern Shores – WBS 44788 was established (06/16) for installation of new storm drainage culverts under NC-12 and construction of storm water retention basin in southeast quadrant of NC-12 and East Dogwood Ln Increase funds</td>
<td>Contingency</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>$100,000.00</td>
</tr>
<tr>
<td>Div 3 Onslow</td>
<td>Relocate utilities on Bluetop Rd to bring up to minimum maintenance standards</td>
<td>Contingency</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>$30,000.00</td>
</tr>
<tr>
<td>Div 6 Robeson</td>
<td>Grade, drain, base, &amp; pave bus/motorcycle testing area at Lumberton DMV facility</td>
<td>Contingency</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>$119,250.00</td>
</tr>
<tr>
<td>Div 9 Davie</td>
<td>Installation of right and left turn lanes on Baltimore Rd at plant entrance</td>
<td>Public Access Econ Development</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>$550,000.00</td>
</tr>
<tr>
<td>Div 12 Cleveland</td>
<td>Install turn lanes at Pinnacle Classical Academy and an interim temporary signal at the intersection of NC-180 and SR 2201/2202 (Joe’s Lake Rd)</td>
<td>Contingency</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>$350,000.00</td>
</tr>
</tbody>
</table>

Deletions:

Div 9, Rowan County – WBS 43894 was established (05/13) for a Planning and Environmental Study for a new interchange on I-85 at the future relocated SR 1221 (Old Beatty Ford Rd); Funded by an alternate source

Summary:

- Number of Projects: 5
- Number of Divisions: 5

<table>
<thead>
<tr>
<th>Commitment</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Construction Commitment</td>
<td>$0.00</td>
</tr>
<tr>
<td>Public Access Commitment</td>
<td>$150,000.00</td>
</tr>
<tr>
<td>Contingency Commitment</td>
<td>$599,250.00</td>
</tr>
<tr>
<td>Economic Development Commitment</td>
<td>$400,000.00</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$1,149,250.00</td>
</tr>
</tbody>
</table>
Approval – Specific Spot Safety Improvement Projects

The Board concurred with the staff recommendations and delegated authority to the Secretary to award the following:

<table>
<thead>
<tr>
<th>Town/County Division</th>
<th>PROJ. CATEGORY</th>
<th>Project Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durham/ Durham Co.</td>
<td>SS-4905CO</td>
<td>US 15-501 Business (Mangum Street) at SR 1365 (Morehead Avenue). $28,000.00 in construction funds has previously been approved for traffic signal revisions. Additional funds are needed due to an increase in construction costs. File 05-14-1248-1</td>
<td>$32,000.00</td>
</tr>
<tr>
<td>Durham/ Durham Co.</td>
<td>SS-4905DU</td>
<td>US 70 Business (Hillsborough Road) at US 15-501 Southbound ramp. Initial construction funds are needed for turn lane installation. File 05-15-6714C</td>
<td>$117,000.00</td>
</tr>
<tr>
<td>Durham/ Durham Co.</td>
<td>SS-4905DU</td>
<td>US 70 Business (Hillsborough Road) at US 15-501 Southbound ramp. Initial right of way and utilities funds are needed for turn lane installation. File 05-15-6714R</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Wake Co. Div. 5</td>
<td>SS-4905DT</td>
<td>SR 1163 (Kelly Road) at US 64 Eastbound. Initial construction funds are needed for traffic signal and pavement marking revisions. File 05-15-8126-2C</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Chatham Co. Div. 8</td>
<td>SS-4908BB</td>
<td>SR 1731 (O'Kelly Chapel Road) between NC 751 and SR 1732 (Pittard Sears Road). $62,000.00 in construction funds has previously been approved for rumble strips installation. Additional funds are needed due to an increase in construction costs. File 08-16-0149-1</td>
<td>$18,000.00</td>
</tr>
<tr>
<td>Jackson Co. Div. 14</td>
<td>SS-4914CN</td>
<td>SR 1359 (River Road) from US 23-441 to NC 116 near Sylva. $90,000.00 in construction funds has previously been approved for guardrail installation. Additional funds are needed due to an increase in construction costs. File 14-16-203-2</td>
<td>$60,000.00</td>
</tr>
</tbody>
</table>

**ITEM L SUMMARY**

| 6 PROJECTS | $240,000.00 |
**Action Items**

**Approval – Traffic Noise Policy**

A motion was made by Board Member Overholt, seconded by Board Member Palermo, to approve the Traffic Noise Policy (Attachment 1).

**Approval – Additions, Abandonments, and Road Name Changes to State Secondary Road System**

A motion was made by Board Member Debnam, seconded by Board Member Palermo, to approve the following proposed additions and abandonments to the State Secondary Road System:

**Road Additions:**

<table>
<thead>
<tr>
<th>County</th>
<th>Pet. No.</th>
<th>Length (Miles)</th>
<th>Description</th>
<th>Date of Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Division 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Craven</td>
<td>51187</td>
<td>0.48</td>
<td>Quail Woods Drive</td>
<td>7/28/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.25</td>
<td>Covey Court</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.40</td>
<td>Finch Lane</td>
<td></td>
</tr>
<tr>
<td>Division 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Franklin</td>
<td>51188</td>
<td>0.09</td>
<td>Scarlett Bell Drive</td>
<td>7/28/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.06</td>
<td>Meadowrue Lane</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.09</td>
<td>Hawthorne Lane</td>
<td></td>
</tr>
<tr>
<td>Division 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harnett</td>
<td>51189</td>
<td>0.24</td>
<td>Colonial Hills Drive, SR 2239 Ext.</td>
<td>8/2/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.08</td>
<td>Kingston Drive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.04</td>
<td>Belmont Court</td>
<td></td>
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<td></td>
<td></td>
<td>0.04</td>
<td>Tory Court</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>0.12</td>
<td>Downing Court</td>
<td></td>
</tr>
<tr>
<td>Division 7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guilford</td>
<td>51190</td>
<td>0.15</td>
<td>Hearthridge Court</td>
<td>7/19/16</td>
</tr>
<tr>
<td>Guilford</td>
<td>51191</td>
<td>0.07</td>
<td>Deer Stand Court</td>
<td>8/9/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.06</td>
<td>Turner North Court</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.43</td>
<td>Turner North Drive</td>
<td></td>
</tr>
<tr>
<td>Rockingham</td>
<td>51192</td>
<td>0.51</td>
<td>Twin Creeks Drive, SR 1231 Ext.</td>
<td>5/19/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.06</td>
<td>Stoney Ridge Court</td>
<td></td>
</tr>
<tr>
<td>Rockingham</td>
<td>51193</td>
<td>0.09</td>
<td>Glenoak Drive</td>
<td>4/22/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.56</td>
<td>Glenrobin Drive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.07</td>
<td>Glencove Drive</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>0.44</td>
<td>Glendale Circle</td>
<td></td>
</tr>
</tbody>
</table>

**Division 9**
Road Additions:
Division 10
Union 51195  
0.03 James Street  
0.36 Oleander Lane  
0.25 Yellowhorn Trail  
0.10 Smoketree Court

Division 12
Iredell 51196  
0.33 Albany Drive

Division 13
Buncombe 51197  
0.33 Oleander Lane  
0.25 Yellowhorn Trail  
0.10 Smoketree Court  
0.03 Nectar Way  
0.03 Golden Harvest Trail  
0.05 Bee Tree Way

Division 14
Cherokee 51198  
0.15 Line Drive

Deletions:
Division 3
Onslow 51199  
0.12 Portion of SR 1529 Harbor Point Road

Division 12
Cleveland 51200  
0.60 SR 2515 Stadium Drive

Division 13
Buncombe 51201  
0.39 SR 1124 Cole Cove Road

Corrections: Division 9 - Forsyth County – Petition Number 51154 should not have been listed on the August 2016 BOT Agenda.

Summary:
Number of Roads Petitioned for Addition – 30
Number of Roads Petitioned for Abandonment – 3

Approval – Public Transportation
A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

MODIFICATIONS to the Transit 2016-2025 STIP

<table>
<thead>
<tr>
<th>STIP #</th>
<th>Transit Partner</th>
<th>DESCRIPTION</th>
<th>match</th>
<th>FUND</th>
<th>FY16 (000)</th>
<th>FY17 (000)</th>
<th>FY18 (000)</th>
<th>FY19 (000)</th>
<th>FY20 (000)</th>
<th>FY21 (000)</th>
<th>FY22 (000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO-4719</td>
<td>Goldsboro Wayne Transportation Authority</td>
<td>Operating Assistance</td>
<td>Fuz</td>
<td>5307</td>
<td>420</td>
<td>420</td>
<td>420</td>
<td>420</td>
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<td>SMAP</td>
<td>S</td>
<td>210</td>
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<td>Local</td>
<td>L</td>
<td>210</td>
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<td>210</td>
<td>210</td>
<td>210</td>
</tr>
</tbody>
</table>
Approval of Specific State Funds for Construction Projects

A motion was made by Board Member McQueary seconded by Board Member Brown, to approve the following:

<table>
<thead>
<tr>
<th>Town/County</th>
<th>Division</th>
<th>PROJ.</th>
<th>CATEGORY</th>
<th>Project Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carteret Co.</td>
<td>Div. 2</td>
<td>R-3307</td>
<td>REGIONAL</td>
<td>US 70 from four lanes at Radio Island to US 70 north of Beaufort near SR 1429 (Olga Road). $5,516,818.00 has previously been approved for right of way and utilities. Funds need to be decreased ($369,025.25). WBS will be closed. <strong>This is a Strategic Transportation Investments Transition project.</strong></td>
<td>$369,025.25</td>
</tr>
<tr>
<td>Henderson Co.</td>
<td>Div. 14</td>
<td>R-5524D</td>
<td>DIVISION</td>
<td>Construct new access road into Ferncliff Industrial Park. $765,687.00 has previously been approved for construction. Additional funds are requested.</td>
<td>$250,000.00</td>
</tr>
</tbody>
</table>

**ITEM J SUMMARY**

2 PROJECTS

- $119,025.25

Approval - State Highway Trust Funds - Strategic Transportation Investments

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

<table>
<thead>
<tr>
<th>Town/County</th>
<th>Division</th>
<th>PROJ.</th>
<th>CATEGORY</th>
<th>Project Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyrrell Co.</td>
<td>Div. 1</td>
<td>B-5936</td>
<td>STATEWIDE</td>
<td>Bridge #7 over Alligator River on US 64. Initial funds are requested for construction.</td>
<td>$9,900,000.00</td>
</tr>
<tr>
<td>Statewide</td>
<td>Div. 2</td>
<td>M-0488G</td>
<td>REGIONAL</td>
<td>Greenville Southwest Bypass - Map Act Lawsuit. Initial funds are requested for preliminary engineering / legal services.</td>
<td>$200,000.00</td>
</tr>
<tr>
<td>Location</td>
<td>WBS Code</td>
<td>Project Details</td>
<td>Requested Amount</td>
<td></td>
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<tr>
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<td>---------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Statewide</td>
<td>WBS 46404.1.15</td>
<td>Hampstead Bypass - Map Act Lawsuit. Initial funds are requested for preliminary engineering / legal services.</td>
<td>$200,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Div. 3</td>
<td></td>
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</tr>
<tr>
<td>M-0488C</td>
<td>REGIONAL</td>
<td></td>
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</tr>
<tr>
<td>Johnston Co.</td>
<td>WBS 46448.3.1</td>
<td>SR 1913 (Gordon Road) from US 70 Business to proposed NOVO Nordisk facility. Various roadway improvements including new access road. Initial funds are requested for construction.</td>
<td>$6,900,000.00</td>
<td></td>
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</tr>
<tr>
<td>Div. 4</td>
<td></td>
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</tr>
<tr>
<td>R-5769</td>
<td>DIVISION</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Statewide</td>
<td>WBS 46404.1.11</td>
<td>I-295, Fayetteville Outer Loop - Map Act Lawsuit. Initial funds are requested for preliminary engineering / legal services.</td>
<td>$200,000.00</td>
<td></td>
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</tr>
<tr>
<td>Div. 6</td>
<td></td>
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<tr>
<td>M-0488E</td>
<td>REGIONAL</td>
<td></td>
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</tr>
<tr>
<td>Statewide</td>
<td>WBS 46404.1.12</td>
<td>Greensboro Western Loop Map Act lawsuit. Initial funds are requested for preliminary engineering / legal services.</td>
<td>$200,000.00</td>
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</tr>
<tr>
<td>Div. 7</td>
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<tr>
<td>M-0488L</td>
<td>REGIONAL</td>
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<tr>
<td>Statewide</td>
<td>WBS 46404.1.13</td>
<td>Greensboro Eastern Loop Map Act lawsuit. Initial funds are requested for preliminary engineering / legal services.</td>
<td>$200,000.00</td>
<td></td>
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</tr>
<tr>
<td>Div. 7</td>
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</tr>
<tr>
<td>M-0488M</td>
<td>REGIONAL</td>
<td></td>
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</tr>
<tr>
<td>Statewide</td>
<td>WBS 46404.1.9</td>
<td>Winston-Salem Northern Beltway Map Act Lawsuit. Initial funds are requested for preliminary engineering / legal services.</td>
<td>$200,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Div. 9</td>
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</tr>
<tr>
<td>M-0488I</td>
<td>REGIONAL</td>
<td></td>
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</tr>
<tr>
<td>Statewide</td>
<td>WBS 46404.1.10</td>
<td>Winston-Salem Northern Beltway Eastern Section Map Act lawsuit. Initial funds are requested for preliminary engineering / legal services.</td>
<td>$200,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Div. 9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M-0488J</td>
<td>REGIONAL</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Anson Co.</td>
<td>WBS 46380.3.1</td>
<td>US 74 at intersection of US 74 and SR 1714 (Stanback Ferry Road). Initial funds are requested for construction.</td>
<td>$1,200,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Div. 10</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>R-5708</td>
<td>REGIONAL</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Kannapolis/</td>
<td>WBS 39010.1.R2</td>
<td>NC 3 from proposed West Side Bypass (Project U-2009) to SR 1691 (Loop Road). $3,109,139.00 has previously been approved for preliminary engineering. Additional funds are requested. <strong>This is a Strategic Transportation Investments Transition project.</strong></td>
<td>$300,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabarrus Co.</td>
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<tr>
<td>Div. 10</td>
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</tr>
<tr>
<td>U-3440</td>
<td>REGIONAL</td>
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</tr>
<tr>
<td>Huntersville/</td>
<td>WBS 42376.2.1</td>
<td>Intersection of US 21 and Gilead Road. Construct intersection improvements, including bicycle and pedestrian accommodations. Initial funds are requested for full right of way. <strong>This is a Strategic Transportation Investments Transition project.</strong></td>
<td>$3,350,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mecklenburg Co.</td>
<td></td>
<td></td>
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<tr>
<td>Div. 10</td>
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</tr>
<tr>
<td>U-5114</td>
<td>REGIONAL</td>
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</tr>
</tbody>
</table>
Huntersville/ Mecklenburg Co. Div. 10 U-5114 REGIONAL
Intersection of US 21 and Gilead Road. Construct intersection improvements, including bicycle and pedestrian accommodations. Initial funds are needed for utilities. **This is a Strategic Transportation Investments Transition project.**

Statewide Div. 12 M-0488A REGIONAL
Shelby Bypass - Map Act Lawsuit. Initial funds are requested for preliminary engineering / legal services.

Statewide M-0515 STATEWIDE
Review of Local Public Agency (LPA) projects by the appraisal section. Initial funds are requested for right of way associated with the review of local public agency (LPA) projects by the appraisal section.

**STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS**
2 PROJECTS
$10,150,000.00

**REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS**
12 PROJECTS
$7,225,000.00

**DIVISION STRATEGIC TRANSPORTATION INVESTMENTS**
1 PROJECTS
$6,900,000.00

**STRATEGIC TRANSPORTATION INVESTMENTS**
15 PROJECTS
$24,275,000.00

**Approval - State Highway Trust Funds - Intrastate System**

A motion was made by Board Member Debnam, seconded by Board Member Palermo, to approve the following:

<table>
<thead>
<tr>
<th>Town/County</th>
<th>Division</th>
<th>PROJ.</th>
<th>Project Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currituck Co.</td>
<td>Div. 1</td>
<td>R-2576 SW/DIV</td>
<td>Mid-Currituck Bridge from Coinjock to Corolla. $6,938,076.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Funds are requested for appraisal of Specific Parcel 903 using Division Tier funding.</td>
<td>$25,000.00</td>
</tr>
<tr>
<td>Wilmington/ New Hanover Co.</td>
<td>Div. 3</td>
<td>U-4751 STATEWIDE</td>
<td>SR 1409 (Military Cutoff Road Extension) from SR 1409 (Military Cutoff Road) to US 17 in Wilmington. $55,050,000.00 has previously been approved for acquisition of specific parcels. Additional funds are requested.</td>
<td>$3,500,000.00</td>
</tr>
<tr>
<td>Stanly Co.</td>
<td>Div. 10</td>
<td>R-2530B</td>
<td>NC 24 - 27 from Bird Road in Albemarle to west of the Pee Dee River. $906,668.00 has previously been approved for preliminary</td>
<td>$620,000.00</td>
</tr>
</tbody>
</table>
Approval - State Highway Trust Funds - Urban Loops

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

<table>
<thead>
<tr>
<th>Town/County/PROJ</th>
<th>Project Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greenville/EB-5539</td>
<td>South Tar River Greenway, Phase 3, Pitt Street toward Moye</td>
<td>$577,920.00 Fed.</td>
</tr>
<tr>
<td>Pitt Co.</td>
<td>Boulevard in the vicinity of Pitt Memorial Hospital. Construction funds are needed for South Tar River Greenway. <strong>This is a Strategic Transportation Investments Transition project.</strong></td>
<td>$144,480.00 Local</td>
</tr>
<tr>
<td>ER-5600CA</td>
<td>US Highway 117 at the Faison Town Hall. Funds are needed for construction for landscaping.</td>
<td>$51,538.00 Fed.</td>
</tr>
<tr>
<td>REGIONAL</td>
<td></td>
<td>$12,885.00 State</td>
</tr>
<tr>
<td>Duelpin Co.</td>
<td>46305.3.18, STP-0332(063)</td>
<td>$64,423.00 Cost</td>
</tr>
</tbody>
</table>

Approval - Funds for Specific Federal–Aid Projects

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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

<table>
<thead>
<tr>
<th>County</th>
<th>Project Code</th>
<th>Location Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brunswick Co.</td>
<td>50138.3.106, HSIP-0017(153)</td>
<td>US 17 and SR 1357 (Smith Avenue). Construction funds are needed for safety improvements.</td>
<td>$100,000.00</td>
</tr>
<tr>
<td>W-5601DA</td>
<td>US 17 and SR 1357</td>
<td>Construction funds are needed for safety improvements.</td>
<td>$90,000.00</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td></td>
<td></td>
<td>$10,000.00</td>
</tr>
<tr>
<td>New Hanover Co.</td>
<td>44933.1.1, HSIP-1272(006)</td>
<td>SR 1272 (New Centre Drive) and Dapple Court (Non-System). Funds are needed for preliminary engineering.</td>
<td>$15,038.00</td>
</tr>
<tr>
<td>SS-4903CO</td>
<td>SR 1272</td>
<td>Funds are needed for preliminary engineering.</td>
<td>$13,534.00</td>
</tr>
<tr>
<td>DIVISION</td>
<td></td>
<td></td>
<td>$1,504.00</td>
</tr>
<tr>
<td>Onslow Co.</td>
<td>44934.1.1, HSIP-1119(008)</td>
<td>SR 1119 (High Hill Road). Funds are needed for preliminary engineering.</td>
<td>$3,500.00</td>
</tr>
<tr>
<td>SS-4903CP</td>
<td>SR 1119 (High Hill Road)</td>
<td>Funds are needed for preliminary engineering.</td>
<td>$3,150.00</td>
</tr>
<tr>
<td>DIVISION</td>
<td></td>
<td></td>
<td>$350.00</td>
</tr>
<tr>
<td>Onslow Co.</td>
<td>44970.1.1, HSIP-0024(080)</td>
<td>NC 24 and SR 1509 (Queens Creek Road). Funds are needed for preliminary engineering.</td>
<td>$3,625.00</td>
</tr>
<tr>
<td>SS-4903CR</td>
<td>NC 24 and SR 1509 (Queens Creek Road)</td>
<td>Funds are needed for preliminary engineering.</td>
<td>$3,263.00</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td></td>
<td></td>
<td>$362.00</td>
</tr>
<tr>
<td>Onslow Co.</td>
<td>45333.3.12, HRRR-1519(005)</td>
<td>SR 1519 (Old Folkstone Road). Construction funds are needed for safety improvements.</td>
<td>$1,210,000.00</td>
</tr>
<tr>
<td>W-5203L</td>
<td>SR 1519</td>
<td>Construction funds are needed for safety improvements.</td>
<td>$1,089,000.00</td>
</tr>
<tr>
<td>DIVISION</td>
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<td></td>
<td>$121,000.00</td>
</tr>
<tr>
<td>Onslow Co.</td>
<td>45333.3.FS23, HSIP-0017(137)</td>
<td>US 17 at SR 1327 (Kellum Loop Road) and SR 1410 (Halltown Road). Construction funds are needed for safety improvements.</td>
<td>$1,061,000.00</td>
</tr>
<tr>
<td>W-5203W</td>
<td>US 17 at SR 1327</td>
<td>Construction funds are needed for safety improvements.</td>
<td>$954,900.00</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td></td>
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<td>$106,100.00</td>
</tr>
<tr>
<td>Sampson Co.</td>
<td>44969.1.1, HSIP-0013(065)</td>
<td>US 13 and US 421 / NC 242. Funds are needed for preliminary engineering.</td>
<td>$5,325.00</td>
</tr>
<tr>
<td>SS-4903CQ</td>
<td>US 13 and US 421 / NC 242</td>
<td>Funds are needed for preliminary engineering.</td>
<td>$4,793.00</td>
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<tr>
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<td>$532.00</td>
</tr>
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## Rural

<table>
<thead>
<tr>
<th>County</th>
<th>Project Code</th>
<th>Location Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Hanover Co.</td>
<td>34625.2.59, STP-0132(010)</td>
<td>Construction of two (2) filtration basins to improve water quality along NC 132 (College Road) at the crossing of Hewlett's Creek in New Hanover County. $55,000 has previously been approved for construction. Reduce Funds. Project will not be constructed due to impact by the City of Wilmington multi-use path. Funding will not be needed, WBS 34625.2.59 to be closed.</td>
<td>-$55,000.00</td>
</tr>
<tr>
<td>R-4436CG</td>
<td></td>
<td></td>
<td>-$44,000.00</td>
</tr>
<tr>
<td>REGIONAL</td>
<td></td>
<td></td>
<td>-$11,000.00</td>
</tr>
</tbody>
</table>

## Division 4

### Bridge

<table>
<thead>
<tr>
<th>County</th>
<th>Project Code</th>
<th>Location Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Halifax Co.</td>
<td>45615.2.1, BRZ-1100(036)</td>
<td>Replace Bridge #65 over Deep Creek on SR 1100 (Combined with B-5657: Replace Bridge #15 over Beaverdam Swamp on SR 1001), (Combined with B-5658: Replace #126 over Big Peachtree Creek on SR 1310). Initial funds are needed for right of way. <strong>This is a Design-Build Project.</strong></td>
<td>$198,000.00</td>
</tr>
<tr>
<td>B-5660</td>
<td>Replace Bridge #65</td>
<td>Replace Bridge #65 over Deep Creek on SR 1100 (Combined with B-5657: Replace Bridge #15 over Beaverdam Swamp on SR 1001), (Combined with B-5658: Replace #126 over Big Peachtree Creek on SR 1310). Initial funds are needed for right of way. <strong>This is a Design-Build Project.</strong></td>
<td>$158,400.00</td>
</tr>
<tr>
<td>DIVISION</td>
<td></td>
<td></td>
<td>$39,600.00</td>
</tr>
<tr>
<td>Halifax Co.</td>
<td>45615.3.1, BRZ-1100(036)</td>
<td>Replace Bridge #65 over Deep Creek on SR 1100 (Combined with B-5657: Replace Bridge #15 over Beaverdam Swamp on SR 1001), (Combined with B-5658: Replace #126 over Big Peachtree Creek on SR 1310). Initial funds are needed for right of way. <strong>This is a Design-Build Project.</strong></td>
<td>$3,850,000.00</td>
</tr>
<tr>
<td>B-5660</td>
<td>Replace Bridge #65</td>
<td>Replace Bridge #65 over Deep Creek on SR 1100 (Combined with B-5657: Replace Bridge #15 over Beaverdam Swamp on SR 1001), (Combined with B-5658: Replace #126 over Big Peachtree Creek on SR 1310). Initial funds are needed for right of way. <strong>This is a Design-Build Project.</strong></td>
<td>$3,080,000.00</td>
</tr>
<tr>
<td>DIVISION</td>
<td></td>
<td></td>
<td>$770,000.00</td>
</tr>
</tbody>
</table>
Creek on SR 1310). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 17, 2016. **This is a Design-Build Project.**

### Safety

<table>
<thead>
<tr>
<th>Location</th>
<th>Project Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Halifax Co.</td>
<td>44956.1.1, HSIP-0097(042)</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Nash Co.</td>
<td>NC 97 at SR 1001 (Old Bailey Highway) in Nash County; and NC 4 / 48 at NC 4 / 561 in Halifax County. Funds are needed for preliminary engineering.</td>
<td>$2,700.00</td>
</tr>
<tr>
<td>SS-4904DZ</td>
<td>$300.00, State</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>Johnston Co.</td>
<td>44935.1.1, HSIP-0096(023)</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>SS-4904DV</td>
<td>NC 96 at SR 1178 (Keen Road). Funds are needed for preliminary engineering.</td>
<td>$4,500.00</td>
</tr>
<tr>
<td>REGIONAL</td>
<td></td>
<td>$500.00, State</td>
</tr>
<tr>
<td>Johnston Co.</td>
<td>44938.1.1, HSIP-0042(071)</td>
<td>$14,500.00</td>
</tr>
<tr>
<td>SS-4904DY</td>
<td>NC 42 at NC 50; NC 50 at SR 1524 (Old Drug Store Road.); NC 42 at the US 70 Bypass Eastbound Ramps; and NC 42 at SR 1556 (Government Road.) Funds are needed for preliminary engineering.</td>
<td>$13,050.00</td>
</tr>
<tr>
<td>REGIONAL</td>
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<td>$1,450.00, State</td>
</tr>
<tr>
<td>Nash Co.</td>
<td>44957.1.1, HSIP-0048(008)</td>
<td>$10,600.00</td>
</tr>
<tr>
<td>SS-4904DU</td>
<td>NC 48 between 0.06 mile south and 0.31 mile north of SR 1536 (Boseman Road), a length of 0.37 mile; and SR 1173 (Honeycut Street) between US 301 and 0.10 mile southeast of US 301, a length of 0.10 mile. Funds are needed for preliminary engineering.</td>
<td>$9,540.00</td>
</tr>
<tr>
<td>REGIONAL</td>
<td></td>
<td>$1,060.00, State</td>
</tr>
<tr>
<td>Wayne Co.</td>
<td>44936.1.1, HSIP-1958(006)</td>
<td>$35,000.00</td>
</tr>
<tr>
<td>SS-4904DW</td>
<td>SR 1958 (Bennetts Bridge Road) between the Duplin County Line and 0.27 mile north of the Duplin County Line, a length of 0.27 mile. Funds are needed for preliminary engineering.</td>
<td>$31,500.00</td>
</tr>
<tr>
<td>DIVISION</td>
<td></td>
<td>$3,500.00, State</td>
</tr>
<tr>
<td>Wayne Co.</td>
<td>44937.1.1, HSIP-0111(024)</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>SS-4904DX</td>
<td>Four signalized intersections on NC 111 between NC 581 and Southeast Drive. Funds are needed for preliminary engineering.</td>
<td>$13,500.00</td>
</tr>
<tr>
<td>REGIONAL</td>
<td></td>
<td>$1,500.00, State</td>
</tr>
<tr>
<td>Wayne Co.</td>
<td>50138.3.220, HSIP-0581(029)</td>
<td>$51,000.00</td>
</tr>
<tr>
<td>W-5601HK</td>
<td>NC 581 at SR 1342 (Memorial Church Road). Construction funds are needed for safety improvements.</td>
<td>$45,900.00</td>
</tr>
<tr>
<td>REGIONAL</td>
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<td>$5,100.00, State</td>
</tr>
</tbody>
</table>

### Division 5

#### Interstate

<table>
<thead>
<tr>
<th>Location</th>
<th>Project Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granville Co.</td>
<td>53049.3.1, NHPP-0085(016)</td>
<td>$3,155,000.00</td>
</tr>
<tr>
<td>I-5843</td>
<td>I-85 north of NC 56 in Granville County to US 158 in Vance</td>
<td>$2,524,000.00</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>County. Construction funds are needed for structure and signing rehabilitation.</td>
<td>$631,000.00</td>
</tr>
</tbody>
</table>

### Congestion Mitigation

<table>
<thead>
<tr>
<th>Location</th>
<th>Project Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durham Co.</td>
<td>46401.3.1, CMS-0505(075)</td>
<td>$1,352,000.00</td>
</tr>
<tr>
<td>C-5572</td>
<td>West Ellerbe Creek Greenway, Construction Phase II, Westover</td>
<td>$1,081,600.00</td>
</tr>
<tr>
<td>EXEMPT</td>
<td>Park to Stadium Drive Rail in Durham. Construction funds are needed for multi-use path.</td>
<td>$270,400.00</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Wake Co.</td>
<td>46229.3.F1, CMS-0527(010)</td>
<td>$1,200,000.00</td>
</tr>
<tr>
<td>C-5164</td>
<td>Smith and Sanford Creek Greenway. Funds are needed for construction for greenway and sidewalks.</td>
<td>$600,000.00</td>
</tr>
<tr>
<td>EXEMPT</td>
<td></td>
<td>$600,000.00</td>
</tr>
<tr>
<td>Wake Co.</td>
<td>43714.1.6, CMAQ-0510(009)</td>
<td>$89,000.00</td>
</tr>
<tr>
<td>C-5604JA</td>
<td>Utley Creek Greenway Connection - Town of Holly Springs. Funds are needed for preliminary engineering.</td>
<td>$71,200.00</td>
</tr>
<tr>
<td>EXEMPT</td>
<td></td>
<td>$17,800.00</td>
</tr>
</tbody>
</table>

**Enhancement**

| Wake Co. | 46305.3.26, STP-0064(188)                                                        | $100,000.00  | Cost  |
| ER-5600EA| Landscape planting and enhancement for US 64 Business and Wendell Falls Parkway at US 64. Funds are needed for construction for landscape. | $80,000.00  | Fed.  |
| DIVISION |                                                                                   | $20,000.00  | State |

**Urban**

| Wake Co. | 42379.3.31, STPDA-0501(036)                                                        | $424,800.00  | Cost  |
| U-5118AF | Kelly Road at Olive Chapel Road. Funds are needed for construction for operational improvements and a sidewalk. | $339,840.00  | Fed.  |
| DIVISION |                                                                                   | $84,960.00  | Local |
| Wake Co. | 44111.3.10, TAPDA-0517(012)                                                        | $1,650,000.00 | Cost  |
| U-5530NA | Research Triangle Park (RTP) / Morrisville Davis Drive Trail (RTF). Funds are needed for construction for a multi-use trail. | $990,000.00  | Fed.  |
| DIVISION |                                                                                   | $660,000.00 | Local |

**Safety**

| Durham Co. | 44932.1.1, HSIP-0070(203)                                                        | $20,000.00  | Cost  |
| SS-4905DU  | US 70 Business (Hillsborough Road) at US 15-501 Southbound                         | $18,000.00  | Fed.  |
| REGIONAL   | Ramp. Funds are needed for preliminary engineering.                                | $2,000.00   | State |
| Wake Co.   | 44941.1.1, HSIP-1959(006)                                                        | $2,500.00   | Cost  |
| SS-4905DW  | SR 1959 (Miami Boulevard) at SR 1954 (Ellis Road). Funds are needed for preliminary engineering. | $2,250.00   | Fed.  |
| DIVISION   |                                                                                   | $250.00     | State |
| Durham Co. | 44943.1.1, HSIP-1118(009)                                                        | $2,500.00   | Cost  |
| SS-4905DY  | SR 1118 (Fayetteville Road) at Cook Road / Hillside High School.                  | $2,250.00   | Fed.  |
| DIVISION   | Funds are needed for preliminary engineering.                                      | $250.00     | State |
| Wake Co.   | 44939.1.1, HSIP-0401(279)                                                        | $5,000.00   | Cost  |
| SS-4905DS  | US 401 at SR 2108 / SR 2036 (New Hope Road) and US 401                             | $4,500.00   | Fed.  |
| REGIONAL   | at Calvary Drive. Funds are needed for preliminary engineering.                   | $500.00     | State |
| Wake Co.   | 44931.1.1, HSIP-1163(012)                                                        | $2,500.00   | Cost  |
| SS-4905DT  | SR 1163 (Kelly Road) at US 64 Eastbound in Wake County. Funds are needed for preliminary engineering. | $2,250.00  | Fed.  |
| STATEWIDE  |                                                                                   | $250.00     | State |
| Wake Co.   | 44942.1.1, HSIP-2713(002)                                                        | $5,000.00   | Cost  |
| SS-4905DX  | SR 2713 (Vandora Springs Road) at SR 2812 (Timber Drive). Funds are needed for preliminary engineering. | $4,500.00   | Fed.  |
| DIVISION   |                                                                                   | $500.00     | State |
| Wake Co.   | 44944.1.1, HSIP-1625(007)                                                        | $6,000.00   | Cost  |
SS-4905DZ SR 1625 (Green Level Church Road) at Dennison Lane / Jewel Creek Drive. Funds are needed for preliminary engineering. $5,400.00 Fed. $600.00 State

Wake Co. 44945.1.1, HSIP-0054(027) $3,000.00 Cost
SS-4905EA NC 54 (Northwest Maynard Road) at SR 1653 (Evans Road). Funds are needed for preliminary engineering. $2,700.00 Fed. $300.00 State

Wake Co. 44958.1.1, HSIP-1006(048) $45,000.00 Cost
SS-4905ED SR 1006 (Old Stage Road) at SR 1010 (Ten Ten Road). Funds are needed for preliminary engineering. $40,500.00 Fed. $4,500.00 State

Wake Co. 45335.3.20, HSIP-1006(044) $1,200,000.00 Cost
W-5205S SR 1006 (Old Stage Road) from NC 42 to the Johnston County Line. Construction funds are needed for safety improvements. $1,080,000.00 Fed. $120,000.00 State

Wake Co. 50138.3.139, HSIP-1393(005) $44,500.00 Cost
W-5601EI SR 1393 (Bass Lake Road) at SR 1399 (James Slaughter Road). Funds are needed for construction for safety improvements. $40,050.00 Fed. $4,450.00 State

Wake Co. 42080.1.124, BRZ-NBIS(013) $13,127.00 Cost
M-0414EA Municipal Bridge Inspection - 8 Bridges within the Municipality of Holly Springs. Funds are needed for preliminary engineering. $10,502.00 Fed. $2,625.00 Local

Durham Co. 51049.1.1, TAP-0505(077) $85,000.00 Cost
EB-5703 Lasalle Street from Kangaroo Drive to Sprunt Avenue in Durham. Funds are needed for preliminary engineering. $68,000.00 Fed. $17,000.00 Local

Durham Co. 51050.1.1, TAP-0505(076) $50,000.00 Cost
EB-5704 Raynor Street from North Miami Boulevard to North Hardee Street in Durham. Funds are needed for preliminary engineering. $40,000.00 Fed. $10,000.00 Local

Durham Co. 50416.1.1, TAP-0505(080) $175,000.00 Cost
EB-5720 Bryant Bridge Trail - NC 55 to Kelly Bryant Bridge in Durham. Funds are needed for preliminary engineering. $140,000.00 Fed. $35,000.00 Local

Raleigh/ Wake Co. 50414.1.F1, TAP-1012(010) $1,000,000.00 Cost
Wake Co. SR 1012 (Western Boulevard) construct bicycle / pedestrian tunnel immediately west of SR 1321 (Avent Ferry Road) in Raleigh. Funds are needed for preliminary engineering. $800,000.00 Fed. $200,000.00 Local

Wake Co. 44111.3.11, STPDA-0520(054) $654,200.00 Cost
U-5530GB Construct a sidewalk along approximately 0.5 miles of Bridge Street crossing over the Norfolk Southern Railway in Fuquay-Varina. Funds are needed for construction for pedestrian crossing. $523,360.00 Fed. $130,840.00 Local

Columbus Co. 46305.3.4, STP-0701(032) $23,000.00 Cost
ER-5600FA Ornamental Planting along US 701, Tabor City in Columbus County. Funds are needed for construction for landscaping. $18,400.00 Fed. $4,600.00 State
<table>
<thead>
<tr>
<th>County</th>
<th>Project ID</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harnett Co.</td>
<td>46305.3.22, STP-0055(062)</td>
<td>Intersection of NC 55 and NC 210 in the Town of Angier. Funds are needed for construction for landscaping.</td>
<td>$65,000.00</td>
</tr>
<tr>
<td>ER-5600FB</td>
<td></td>
<td></td>
<td>$52,000.00</td>
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<td>$13,000.00</td>
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</tbody>
</table>

**Urban**

<table>
<thead>
<tr>
<th>County</th>
<th>Project ID</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumberland Co.</td>
<td>34817.2.FR14, NHF-0100(024)</td>
<td>Fayetteville Outer Loop from south of SR 1003 (Camden Road) to south of SR 1104 (Strickland Bridge Road). Funds are needed for full right of way.</td>
<td>$18,600,000.00</td>
</tr>
<tr>
<td>U-2519BA</td>
<td></td>
<td></td>
<td>$14,880,000.00</td>
</tr>
<tr>
<td>REGIONAL</td>
<td></td>
<td></td>
<td>$3,720,000.00</td>
</tr>
<tr>
<td>Cumberland Co.</td>
<td>34817.2.FR15, NHF-0100(025)</td>
<td>Fayetteville Outer Loop from south of SR 1104 (Strickland Bridge Road) to south of US 401. Funds are needed for full right of way.</td>
<td>$9,200,000.00</td>
</tr>
<tr>
<td>U-2519BB</td>
<td></td>
<td></td>
<td>$7,360,000.00</td>
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<tr>
<td>REGIONAL</td>
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<td>$1,840,000.00</td>
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</tbody>
</table>

**Safety**

<table>
<thead>
<tr>
<th>County</th>
<th>Project ID</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumberland Co.</td>
<td>44948.1.1, HSIP-0210(038)</td>
<td>NC 210 at Spring Lake Town Center. Funds are needed for preliminary engineering.</td>
<td>$8,500.00</td>
</tr>
<tr>
<td>SS-4906CT</td>
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<td>$7,650.00</td>
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<td>$850.00</td>
</tr>
<tr>
<td>Cumberland Co.</td>
<td>44852.1.1, HSIP-1400(010)</td>
<td>SR 1400 (Cliffdale Road) from SR 1410 (Bunce Road) westward past Reilly Road to the existing grass median in Fayetteville. Funds are needed for preliminary engineering.</td>
<td>$300,000.00</td>
</tr>
<tr>
<td>W-5706A</td>
<td></td>
<td></td>
<td>$270,000.00</td>
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<tr>
<td>DIVISION</td>
<td></td>
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<td>$30,000.00</td>
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<tr>
<td>Cumberland Co.</td>
<td>44852.1.2, HSIP-0401(280)</td>
<td>US 401 (Ramsey Street) at SR 2523 (Bienville Drive). Funds are needed for preliminary engineering.</td>
<td>$130,000.00</td>
</tr>
<tr>
<td>W-5706B</td>
<td></td>
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<td>$117,000.00</td>
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<tr>
<td>REGIONAL</td>
<td></td>
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<td>$13,000.00</td>
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<tr>
<td>Harnett Co.</td>
<td>50138.2.82, HSIP-1229(015)</td>
<td>SR 1229 (McDouglad Road) curve with culvert located east of SR 1251. Funds are needed for full right of way and utilities.</td>
<td>$35,000.00</td>
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<tr>
<td>W-5601CC</td>
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<td>$31,500.00</td>
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<td>DIVISION</td>
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<td>$3,500.00</td>
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<tr>
<td>Robeson Co.</td>
<td>44949.1.1, HSIP-2207(003)</td>
<td>SR 2207 (Popes Crossing Road) at SR 2215 / SR 2289 (Alamac Road). Funds are needed for preliminary engineering.</td>
<td>$50,000.00</td>
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<tr>
<td>SS-4906CU</td>
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<td>$45,000.00</td>
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<td>$5,000.00</td>
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</table>

**Division 7**

**Urban**

<table>
<thead>
<tr>
<th>County</th>
<th>Project ID</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange Co.</td>
<td>34913.3.2, STP-1733(018)</td>
<td>SR 1733 (Weaver Dairy Road) from NC 86 to SR 1734 (Erwin Road). Funds are needed for landscaping.</td>
<td>$58,645.00</td>
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<tr>
<td>U-3306(L)</td>
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<td></td>
<td>$46,916.00</td>
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<tr>
<td>DIVISION</td>
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<td>$11,729.00</td>
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**Bridge**

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<tr>
<th>County</th>
<th>Project ID</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greensboro / Guilford Co.</td>
<td>46311.1.F1, STP-0708(070)</td>
<td>Replace Bridge #98 over a Tributary of Horsepen Creek on Ballenger Road. $92,000.00 has previously been approved for preliminary engineering. Additional funds are requested.</td>
<td>$272,000.00</td>
</tr>
<tr>
<td>B-5555</td>
<td></td>
<td></td>
<td>$272,000.00</td>
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<td>DIVISION</td>
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</table>

**Safety**

<table>
<thead>
<tr>
<th>County</th>
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<th>Description</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>
Guilford Co. 44950.1.1, HSIP-1541(007) $20,000.00 Cost
SS-4907BU SR 1541 (Tarrant Road) at SR 1541 (Wendover Avenue) in High $18,000.00 Fed.
DIVISION Point. Funds are needed for preliminary engineering. $2,000.00 State

Rail Program

Guilford Co. 43600.1.94, RR-000S(862) $20,000.00 Cost
Z-5400GQ Railway-Highway Grade Crossing Safety Project. SR 3307 $18,000.00 Fed.
DIVISION (Riverdale Road) at Norfolk Southern Tracks; Crossing $2,000.00 State
#722 170N near Pleasant Garden. Funds are needed for preliminary engineering.

Bicycle and Pedestrian

Greensboro/Guilford Co. 46297.3.F3, TAP-0708(071) $100,000.00 Cost
Guilford Co. Phillips Avenue sidewalk improvements. $280,000.00 has $80,000.00 Fed.
U-5532B previously been approved for construction. Additional funds $20,000.00 Local
DIVISION are requested.

Division 8 Enhancement

Lee Co. 46305.3.25, STP-0015(053) $53,000.00 Cost
ER-5600HD Landscaping on the bridge slopes of US 1 at US 15-501 (Hawkins $42,400.00 Fed.
DIVISION Avenue) in Lee County. Funds are needed for construction for $10,600.00 State
landscaping.

Safety

Chatham Co. 44954.1.1, HSIP-0015(054) $2,500.00 Cost
SS-4908BH US 15 / 501 at Lowes Drive / Powell Place Lane. Funds are $2,250.00 Fed.
REGIONAL needed for preliminary engineering. $250.00 State

Hoke Co. 44854.1.1, HSIP-0015(055) $60,000.00 Cost
W-5708A US 15 / 501 at SR 1225 (Ashemont Road). Funds are needed for $54,000.00 Fed.
REGIONAL preliminary engineering. $6,000.00 State

Richmond Co. 44953.1.1, HSIP-0001(150) $5,000.00 Cost
SS-4908BG US 1 South of SR 1475 (McDonald Church Road) in Hoffman. $4,500.00 Fed.
STATEWIDE Funds are needed for preliminary engineering. $500.00 State

Division 9 Enhancement

Forsyth Co. 40278.3.3, STP-2643(007) $265,769.00 Cost
U-4909(L) SR 2643 (Union Cross Road) from SR 2691 (Wallburg Road) $212,615.00 Fed.
DIVISION to SR 2632 (Sedge Garden Road). Funds are needed for $53,154.00 State
construction for landscaping.

Urban

Winston-Salem/Forsyth Co. 34839.2.13, HPP-0918(046) $110,026.00 Cost
Forsyth Co. Winston-Salem Northern Beltway (Eastern Section) $88,021.00 Fed.
U-2579E from SR 2211 (Baux Mountain Road) to NC 8. Additional $22,005.00 State
STATEWIDE funds are needed for right of way for Advance Acquisition of SP 900 (Property of Frances Hopkins Estate).

Safety

Davidson Co. 50138.2.85, HSIP-0085(011) $15,000.00 Cost
W-5601CF I-85 Business from SR 1797 (Evans Road) to SR 1963 $13,500.00 Fed.
REGIONAL (Moose Lodge Road). Funds are needed for full right of way. $1,500.00 State

Forsyth Co. 44955.1.1, HSIP-4394(001) $6,500.00 Cost
SS-4909BT SR 4394 (Martin Luther King Jr. Drive) at I-40 Business $5,850.00 Fed.
STATEWIDE westbound ramps / First Street. SR 4394 (Martin Luther $650.00 State
King Jr. Drive) at I-40 Business eastbound ramps / Lowery Street.
Funds are needed for preliminary engineering.

Forsyth Co. 50138.3.242, HSIP-0040(048) $406,650.00 Cost
W-5601IG I-40 between the Davie and Guilford County Lines. Funds are $365,985.00 Fed.
STATEWIDE needed for construction for guardrail unit upgrades. $40,665.00 State

Rural

Forsyth Co. 34409.2.25, NHP-0421(088) $5,360,000.00 Cost
R-2247CD US 421 Interchange with SR 1891 / Non-system (Peace $4,288,000.00 Fed.
STATEWIDE Beltway) and approaches on Winston-Salem Northern $1,072,000.00 State
Beltway. (Combined with R-2247EC: reconstruct interchange at US 52 / Future I-74 Interchange with NC 65 on Winston-Salem Northern Beltway). Initial funds for right of way. This is a Design-Build Project.

Bicycle and Pedestrian

Forsyth Co. 44662.1.1, TAP-0918(109) $20,000.00 Cost
EB-5810 Construct sidewalks on various streets in Winston Salem. Funds $16,000.00 Fed.
DIVISION are needed for preliminary engineering. $4,000.00 Local

Forsyth Co. 44663.1.1, TAP-0918(107) $240,000.00 Cost
EB-5811 New multi-use path construct pedestrian bridge over the $192,000.00 Fed.
DIVISION Salem Creek Connector. Funds are needed for preliminary $48,000.00 Local
engineering.

Forsyth Co. 44664.1.1, TAP-0918(108) $150,000.00 Cost
EB-5812 Salem Creek Greenway - Forsyth Technical Community $120,000.00 Fed.
DIVISION College to existing greenway at Marketplace Mall in Winston- $30,000.00 Local
Salem. Funds are needed for preliminary engineering.
### Division 10
#### Interstate

<table>
<thead>
<tr>
<th>Division/Co.</th>
<th>Project Code</th>
<th>Description</th>
<th>Cost</th>
<th>Fed</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mecklenburg</td>
<td>53011.3.1, NHP-0077(008)</td>
<td>I-77 from the South Carolina Line to SR 1577 (West Tyvola Road). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 17, 2016. This is a Cash Flow project with $4,450,000.00 in SFY 17 and $4,450,000.00 in SFY 18.</td>
<td>$8,900,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L-5768</td>
<td>I-77 from the South Carolina Line to SR 1577 (West Tyvola Road). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 17, 2016. This is a Cash Flow project with $4,450,000.00 in SFY 17 and $4,450,000.00 in SFY 18.</td>
<td>$7,120,000.00</td>
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<tr>
<td>STATEWIDE</td>
<td>STATEWIDE</td>
<td>STATEWIDE</td>
<td>$1,780,000.00</td>
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#### Enhancement

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<thead>
<tr>
<th>Division/Co.</th>
<th>Project Code</th>
<th>Description</th>
<th>Cost</th>
<th>Fed</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locust/</td>
<td>40924.3.84, SRS-1010(013)</td>
<td>Sidewalk and pedestrian improvements to serve Locust Elementary School. Construction funds are needed for sidewalk improvements.</td>
<td>$530,155.00</td>
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</tbody>
</table>

#### Safety

<table>
<thead>
<tr>
<th>Division/Co.</th>
<th>Project Code</th>
<th>Description</th>
<th>Cost</th>
<th>Fed</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabarrus Co.</td>
<td>50138.3.132, HSIP-0003(010)</td>
<td>NC 3 (Mooresville Road) at SR 1616 (Tuckaseegee Road / Rankin Road) near Kannapolis. Funds are needed for construction for safety improvements.</td>
<td>$30,000.00</td>
<td></td>
<td></td>
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<tr>
<td>W-5601ED</td>
<td>50138.3.132, HSIP-0003(010)</td>
<td>NC 3 (Mooresville Road) at SR 1616 (Tuckaseegee Road / Rankin Road) near Kannapolis. Funds are needed for construction for safety improvements.</td>
<td>$27,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REGIONAL</td>
<td>50138.3.132, HSIP-0003(010)</td>
<td>NC 3 (Mooresville Road) at SR 1616 (Tuckaseegee Road / Rankin Road) near Kannapolis. Funds are needed for construction for safety improvements.</td>
<td>$3,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charlotte/</td>
<td>44961.1.1, HSIP-0021(025)</td>
<td>US 21 (Statesville Road) and NC 24 (WT Harris Boulevard) in Charlotte. Funds are needed for preliminary engineering.</td>
<td>$10,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mecklenburg</td>
<td>50138.3.132, HSIP-2693(003)</td>
<td>US 21 (Statesville Road) and NC 24 (WT Harris Boulevard) in Charlotte. Funds are needed for preliminary engineering.</td>
<td>$9,000.00</td>
<td></td>
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<tr>
<td>Co.</td>
<td>50138.3.132, HSIP-0021(025)</td>
<td>US 21 (Statesville Road) and NC 24 (WT Harris Boulevard) in Charlotte. Funds are needed for preliminary engineering.</td>
<td>$1,000.00</td>
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<tr>
<td>SS-4910CO</td>
<td>44961.1.1, HSIP-2693(003)</td>
<td>US 21 (Statesville Road) and NC 24 (WT Harris Boulevard) in Charlotte. Funds are needed for preliminary engineering.</td>
<td>$5,000.00</td>
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<tr>
<td>REGIONAL</td>
<td>50138.3.132, HSIP-0021(025)</td>
<td>US 21 (Statesville Road) and NC 24 (WT Harris Boulevard) in Charlotte. Funds are needed for preliminary engineering.</td>
<td>$500.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charlotte/</td>
<td>44962.1.1, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$5,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mecklenburg</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$86,400.00</td>
<td></td>
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<tr>
<td>Co.</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$4,500.00</td>
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<tr>
<td>SS-4910CP</td>
<td>44962.1.1, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$9,600.00</td>
<td></td>
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<tr>
<td>DIVISION</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$500.00</td>
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<tr>
<td>Davidson/</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$96,000.00</td>
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<tr>
<td>Mecklenburg</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$86,400.00</td>
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<tr>
<td>Co.</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$4,500.00</td>
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<tr>
<td>W-5601HHR</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$9,600.00</td>
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<tr>
<td>DIVISION</td>
<td>50138.3.227, HSIP-2805(002)</td>
<td>SR 2805 (Harrisburg Road) and SR 2808 (Camp Stewart Road) near Charlotte. Funds are needed for preliminary engineering.</td>
<td>$500.00</td>
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<tr>
<td>Union Co.</td>
<td>50138.3.32, HSIP-0522(005)</td>
<td>NC 522 from South Carolina Line northward to SR 2166 (Trinity Church Road). Funds are needed for construction for safety improvements.</td>
<td>$575,000.00</td>
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<tr>
<td>W-5601AE</td>
<td>50138.3.32, HSIP-0522(005)</td>
<td>NC 522 from South Carolina Line northward to SR 2166 (Trinity Church Road). Funds are needed for construction for safety improvements.</td>
<td>$517,500.00</td>
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<tr>
<td>REGIONAL</td>
<td>50138.3.32, HSIP-0522(005)</td>
<td>NC 522 from South Carolina Line northward to SR 2166 (Trinity Church Road). Funds are needed for construction for safety improvements.</td>
<td>$57,500.00</td>
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<tr>
<td>Union Co.</td>
<td>50138.3.99, HSIP-0074(180)</td>
<td>US 74 at SR 1941 (Old Pageland-Monroe Road) in Monroe. Funds are needed for construction for safety improvements.</td>
<td>$725,000.00</td>
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<tr>
<td>W-5601CT</td>
<td>50138.3.99, HSIP-0074(180)</td>
<td>US 74 at SR 1941 (Old Pageland-Monroe Road) in Monroe. Funds are needed for construction for safety improvements.</td>
<td>$652,500.00</td>
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<tr>
<td>STATEWIDE</td>
<td>50138.3.99, HSIP-0074(180)</td>
<td>US 74 at SR 1941 (Old Pageland-Monroe Road) in Monroe. Funds are needed for construction for safety improvements.</td>
<td>$72,500.00</td>
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</tbody>
</table>

#### Rail Program

<table>
<thead>
<tr>
<th>Division/Co.</th>
<th>Project Code</th>
<th>Description</th>
<th>Cost</th>
<th>Fed</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabarrus Co.</td>
<td>42412.3.8, STP-000S(608)</td>
<td>Gladys H. Doster private crossing in Harrisburg; intersection of milepost 363.28 and the NCRR/Norfolk Southern Railway</td>
<td>$220,324.00</td>
<td></td>
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</tr>
<tr>
<td>P-4405EA</td>
<td>42412.3.8, STP-000S(608)</td>
<td>Gladys H. Doster private crossing in Harrisburg; intersection of milepost 363.28 and the NCRR/Norfolk Southern Railway</td>
<td>$220,324.00</td>
<td></td>
<td></td>
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</tbody>
</table>
Tracks: Crossing #715 329N. $386,450.00 has previously been approved for construction. Additional construction funds are needed as requested.

### Bicycle and Pedestrian

<table>
<thead>
<tr>
<th>Division</th>
<th>Project Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albemarle/Mecklenburg Co.</td>
<td>44837.1.1, TAPDA-1001(074) McDowell Creek Greenway, Magnolia Plaza to Westmoreland Road. Funds are needed for preliminary engineering.</td>
<td>$562,500.00</td>
</tr>
<tr>
<td>Charlotte/Mecklenburg Co.</td>
<td>44840.1.1, TAPDA-1003(150) Charlotte ‘B-Cycle’ Expansion. Funds are needed for preliminary engineering.</td>
<td>$312,500.00</td>
</tr>
<tr>
<td>Albemarle/Union Co.</td>
<td>44839.1.1, TAPDA-1001(073) Pedestrian and Bicycle facility enhancements in downtown Waxhaw. Funds are needed for preliminary engineering.</td>
<td>$225,000.00</td>
</tr>
</tbody>
</table>

### Division 11

#### Rural

<table>
<thead>
<tr>
<th>Division</th>
<th>Project Details</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Ashe Co.</td>
<td>34518.3.FR3, STP-0221(041) US 221 from north of South Fork New River to south of NC 194. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published on August 17, 2016. This is a Cash Flow project with $15,650,000.00 in SFY 17, $15,650,000.00 in SFY 18, $15,650,000.00 in SFY 19 and $15,650,000.00 in SFY 20. This is an 8 week advertisement.</td>
<td>$62,600,000.00</td>
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</table>

### Bicycle and Pedestrian

<table>
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<tr>
<th>Division</th>
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<tbody>
<tr>
<td>Caldwell Co.</td>
<td>46457.1.1, STPDA-0321(036) Hospital Avenue from Harper Avenue to US 321 (Blowing Rock Boulevard). Funds are needed for preliminary engineering.</td>
<td>$300,000.00</td>
</tr>
</tbody>
</table>

### Division 12

#### Safety

<table>
<thead>
<tr>
<th>Division</th>
<th>Project Details</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cleveland Co.</td>
<td>44858.1.1, HSIP-0180(006) NC 180 (South Post Road) at SR 2202 (Beam Road / Joe’s Lake Road). Funds are needed for preliminary engineering.</td>
<td>$300,000.00</td>
</tr>
<tr>
<td>Cleveland Co.</td>
<td>44858.1.2, HSIP-2263(002) SR 2263 (Margrace Road) and SR 2487 (Kings Mountain Boulevard). Funds are needed for preliminary engineering.</td>
<td>$75,000.00</td>
</tr>
<tr>
<td>Iredell Co.</td>
<td>44858.1.3, HSIP-000S(865) Various National Highway System (NHS) routes, from SR 2638 (Salisbury Highway) to US 70, US 64, NC 90, NC 150, I-77, I-40, in Iredell County. Funds are needed for preliminary</td>
<td>$20,000.00</td>
</tr>
</tbody>
</table>
engineering.

Iredell Co. 44858.1.4, HSIP-0115(010) $20,000.00 Cost
W-5712D NC 115 in Iredell County between Mecklenburg County Line and
REGIONAL Wilkes County Line. Funds are needed for preliminary $2,000.00 State
engineering.

Rail Program

Cleveland Co. 43600.1.84, RR-0216(001) $40,000.00 Cost
Z-5400LK Railway-Highway Grade Crossing Safety Project. NC 216 $36,000.00 Fed.
DIVISION (Piedmont Avenue) at Crossing # 716 257R in Kings Mountain. $4,000.00 State
Funds are needed for preliminary engineering.

Project Mitigation

Iredell Co. 34192.4.1, NHP-040-2(171)152 $100,000.00 Cost
I-3819WM Stream Mitigation Site. Funds are requested for Stream and $80,000.00 Fed.
STATEWIDE Benthic Monitoring. $20,000.00 State

Bicycle and Pedestrian

Mount Holly/ 45523.3.1, STPEB-1227(008) $800,000.00 Cost
Gaston Co. Mount Holly Riverfront Greenway from Mount Holly Municipal $640,000.00 Fed.
EB-5114 Complex southward to the end of Tuckasegee Park. Funds $160,000.00 State
DIVISION are needed to construct a greenway. This is a Strategic
Transportation Investments Transition project.

Statesville/ 44841.1.1, TAPDA-0027(018) $562,500.00 Cost
Iredell Co. Greenway Connector under US 21 (Turnersburg Highway). Funds $450,000.00 Fed.
EB-5818 are needed for preliminary engineering. $112,500.00 Local
DIVISION

Division 13
Safety

Asheville/ 44963.1.1, HSIP-0019(053) $7,000.00 Cost
Buncombe Co. US 19 / 23 (Patton Avenue) at Florida Avenue in Asheville. Funds $6,300.00 Fed.
SS-4913CK are needed for preliminary engineering. $700.00 State
REGIONAL

Buncombe Co. 44964.1.1, HSIP-1004(064) $24,000.00 Cost
SS-4913CL SR 1004 (Newfound Road) from NC 63 to SR 1297 (Browntown $21,600.00 Fed.
DIVISION Road), near Leicester. Funds are needed for preliminary $2,400.00 State
engineering.

Buncombe Co. 50138.3.195, HSIP-3412(001) $95,600.00 Cost
W-5601GL SR 3412 (Sandhill Road) at SR 1224 (Sandhill School Road / $86,040.00 Fed.
DIVISION Oakview Road). Construction funds are needed for safety $9,560.00 State
improvements.

Burke Co. 50138.3.197, HSIP-0040(042) $70,000.00 Cost
W-5601GN I-40 Westbound ramps at SR 1761 (Exit 118). Funds are needed $63,000.00 Fed.
STATEWIDE for construction for safety improvements. $7,000.00 State
Burke Co. 
W-5713A 
DIVISION 
SR 1002 (Center Street) at SR 1761 (Main Street) in Hildebran. 
Funds are needed for construction for safety improvements. 
$35,000.00 Cost 
$31,500.00 Fed. 
$3,500.00 State

Burke Co. 
W-5713A 
DIVISION 
SR 1002 (Center Street) at SR 1761 (Main Street) in Hildebran. 
Funds are needed for preliminary engineering. 
$5,000.00 Cost 
$4,500.00 Fed. 
$500.00 State

Division 14 
Safety

Henderson Co. 
SS-4914CT 
DIVISION 
SR 1006 (Howard Gap Road) at SR 1625 (Whispering Hills Drive) near Hendersonville. Funds are needed for preliminary engineering. 
$5,000.00 Cost 
$4,500.00 Fed. 
$500.00 State

Henderson Co. 
SS-4914CU 
DIVISION 
SR 1127 (Kanuga Road) at SR 1228 (Jearl Lane) near Hendersonville. 
$5,000.00 Cost 
$4,500.00 Fed. 
$500.00 State

Macon Co. 
SS-4914CW 
STATEWIDE 
US 23-441 from SR 1331 (Brendle Road) in Macon County northeast to a point 0.4 mile northeast of SR 1300 (Byrd Gap Road) in McDowell County, near Franklin. Funds are needed for preliminary engineering. 
$18,000.00 Cost 
$16,200.00 Fed. 
$1,800.00 State

Transylvania Co. 
SS-4914CV 
REGIONAL 
US 276 approximately 1.0 mile south of the Haywood County Line, near Brevard. Funds are needed for preliminary engineering. 
$25,000.00 Cost 
$22,500.00 Fed. 
$2,500.00 State

Statewide 
Planning and Research

Statewide 
M-0478D 
STATEWIDE 
FY 2016 On-The-Job Training (OJT) Allocation. Funds are needed for training. 
$181,234.00 Cost 
$181,234.00 Fed.

Statewide 
M-0480D 
STATEWIDE 
Disadvantaged Business Enterprise Training, FY 2016 
$343,564.00 Cost 
$343,564.00 Fed.

Statewide 
M-0519 
EXEMPT 
Develop technology and methods to transmit bicycle and pedestrian into Federal Highway Administration (FHWA) Traffic Monitoring Analysis System. Funds are needed for planning and research. 
$35,000.00 Cost 
$35,000.00 Fed.

ITEM M SUMMARY - 106 PROJECT(S) - (TOTAL FEDERAL AND STATE) $171,463,900.00

Funding for Transition Period projects is excluded from the Transportation Investment Strategy Formula.
Approval - Revisions to the 2016-2025 STIPS

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following additions, modifications and deletions to the 2016 – 2025 State Transportation Improvement Plans.

### HIGHWAY PROGRAM

#### STIP ADDITIONS

<table>
<thead>
<tr>
<th>DIVISION 1</th>
<th>Proj. Category</th>
<th>Project Details</th>
<th>FY17</th>
<th>FY18</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-5702</td>
<td>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. <strong>Add Preliminary Engineering in FY 17 not previously programmed. Project received state appropriated funds to partner with FLAP grant funding.</strong></td>
<td>Engineering</td>
<td>$926,000 (O)</td>
<td></td>
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<tr>
<td>DARE</td>
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<tr>
<td>HYDE</td>
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<tr>
<td>F-5702A</td>
<td>NC 12, Hatteras parking lot improvements and Hatteras loading facility and connectivity measures, dock. <strong>Add Construction in FY 17 and FY 18 not previously programmed. Project received FLAP grant.</strong></td>
<td>Construction</td>
<td>$130,000 (FLAP)</td>
<td>$640,000 (FLAP)</td>
</tr>
<tr>
<td>DARE</td>
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<td>HYDE</td>
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<tr>
<td>F-5702B</td>
<td>NC 12, Ocracoke dock and pedestrian waiting and access accommodations. <strong>Add Construction in FY 17 and FY 18 not previously programmed. Project received FLAP grant.</strong></td>
<td>Construction</td>
<td>$125,000 (FLAP)</td>
<td>$407,000 (O)</td>
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<td>HYDE</td>
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<tr>
<td>F-5702C</td>
<td>NC 12, Construct two passenger ferries <strong>Add Construction in FY 17 and FY 18 not previously programmed. Project received FLAP grant.</strong></td>
<td>Construction</td>
<td>$2,700,000 (FLAP)</td>
<td>$3,000,000 (FLAP)</td>
</tr>
<tr>
<td>HYDE</td>
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<td>HYDE</td>
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<tr>
<td>F-5702D</td>
<td>NC 12, Construct transit shelters/benches and transit vehicles <strong>Add Construction in FY 17 and FY 18 not previously programmed. Project received state appropriated funds to partner with FLAP grant.</strong></td>
<td>Construction</td>
<td>$235,000 (O)</td>
<td>$110,000 (O)</td>
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<td>HYDE</td>
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<td>HYDE</td>
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</tbody>
</table>
STIP ADDITIONS

DIVISION 4
I-5976  WILSON  Proj. Category  STATEWIDE
I-95, Mile marker 115.2 to  Construction FY17  $2,880,000  (NHP)
mile marker 122.1.

Proj. Category  Add Construction in FY 17
STATEWIDE  not previously programmed.

I-5977  JOHNSTON  NASH  Proj. Category  STATEWIDE
I-95, Mile marker 131.6 to  Construction FY17  $660,000  (NHP)
mile marker 151.1.  I-40, mile
marker 333.5 to mile marker 333.9. Bridge preservation.

Proj. Category  Add Construction in FY 17
STATEWIDE  not previously programmed.

I-5978  JOHNSTON  Proj. Category  STATEWIDE
I-95, mile marker 90.3 to mile  Construction FY17  $2,500,000  (NHP)
marker 91.7.

Proj. Category  Add Construction in FY 17
STATEWIDE  not previously programmed.

STATEWIDE
M-0515  Proj. Category  DIVISION
Various, Right-of-Way  Right-of-Way FY17  $250,000  (T)
Branch, Right-of-Way review of local public agency FY18  $250,000  (T)
section.  (LPA) projects  $500,000
by the appraisal

Proj. Category  Add project at the request
DIVISION  of the Right-of-Way Branch.

STIP MODIFICATIONS

DIVISION 1
B-2500B  Proj. Category  TRANSITION
NC 12, Phase II, long-term  Right-of-Way FY17  $840,000  (NHP)
Improvements at Rodanthe.  Construction FY17  $17,440,000  (ER)

Proj. Category  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.
FY17  $40,693,000  (NHP)
FY18  $17,440,000  (ER)
FY18  $40,693,000  (NHP)
FY19  $17,440,000  (ER)
FY19  $40,694,000  (NHP)
$175,240,000

P-5600A  Proj. Category  TRANSITION
NCVA RR,  Construction FY16  $5,800,000  (DP)
BERTIE  Track improvements.  FY16  $2,800,000  (T)
HERTFORD  NORTHAMPTON
To allow additional time to coordinate with Federal
$11,631,000

Proj. Category  Rail Administration, delay
Construction from FY 16 to
FY 17.

DIVISION 2
B-4786  Proj. Category
US 13, Replace Bridge  Right-of-Way FY18  $1,000,000  (NHPB)

3793
PITT   730038 over Tar River.   Construction FY19  $2,667,000 (NHPB)

Proj. Category Accelerate Construction   FY20  $2,667,000 (NHPB)
REGIONAL from FY 20 to FY 19.   FY21  $2,666,000 (NHPB)

REGIONAL from FY 20 to FY 19.

R-5703   NC 148 (Harvey Parkway), Right-of-Way FY17  $5,332,000 (T)
LENOIR   NC 58 to NC 11.  Utilities FY17  $2,900,000 (T)
Proj. Category Construct multi-lane facility Construction FY18  $28,833,000 (T)
REGIONAL on new location. FY19  $28,833,000 (T)

To convert back to conventional contract, project will no longer be design build and Construction will move from FY 17 to FY 18.

DIVISION 3
U-5790   US 421 (Carolina Beach Road), Right-of-Way FY20  $4,525,000 (NHP)
NEW HANOVER NC 132 (South College Road) Utilities FY20  $183,000 (NHP)
Proj. Category to Sanders Road in Wilmington. Construction FY20  $20,386,000 (NHP)
DIVISION Widen existing roadway and construct flyovers at US 421 and NC 132.

To modify contract from design build to conventional design bid build, move Construction from FY 20 to FY 22.

DIVISION 4
B-4562   SR 2143 (Beualahtown Road), Right-of-Way FY17  $125,000 (STPOFF)
JOHNSTON Replace Bridge 500216 over Little Buffalo Creek. Construction FY18  $1,250,000 (STPOFF)
Proj. Category Accelerate Construction from FY 18 to FY 17. Project will now be design build contract.
DIVISION

B-5654   SR 1550 (Winston Road), Right-of-Way FY17  $30,000 (STPOFF)
JOHNSTON Replace Bridge 500141 over White Oak Creek. Construction FY18  $604,000 (STPOFF)
Proj. Category Accelerate Construction from FY 18 to FY 17. Project will now be design build contract.
DIVISION

B-5656   SR 1127 (Herring Road), Right-of-Way FY17  $21,000 (STPOFF)
WAYNE Replace Bridge 950133 over Yellow Swamp. Construction FY18  $415,000 (STPOFF)
Proj. Category Accelerate Construction from FY 18 to FY 17. Project will now be design build contract.
DIVISION

B-5659   SR 1738 (Eatmon Road), Right-of-Way FY17  $16,000 (STPOFF)
JOHNSTON Replace Bridge 500432 over Cattail Creek. Construction FY18  $310,000 (STPOFF)
Proj. Category Accelerate Construction
DIVISION

3794
**from FY 18 to FY 17. Project will now be design build contract.**

C-5546 Rocky Mount, Benvenue Road  Construction FY16 $130,000 (CMAQ)

NASH (NC 43/NC 48) at Jeffreys Road.

**Proj. Category**

**EXEMPT**

**To allow City of Rocky Mount additional time for Design delay. Construction from FY 16 to FY 17.**

U-3334B SR 1923 (Booker Dairy Road) Right-of-Way FY16 $2,045,000 (T)

JOHNSTON Extension, SR 1003 FY17 $2,045,000 (T)

**Proj. Category**

**DIVISION (Buffalo Road) to US 301 Construction FY18 $6,350,000 (T)**

**DIVISION**

Cost increase exceeding $2 million and 25% thresholds. $16,790,000

U-5935 US 301, Black Creek Road to Construction FY17 $10,000,000 (DP)

WILSON SR 1515 (Lipscomb Road). FY17 $6,500,000 (T)

**Proj. Category**

**REGIONAL**

Upgrade roadway including $2,000,000 (L)

Cost increase exceeding $2 million and 25% thresholds. $18,500,000

W-5500 SR 1556 (Wayne Memorial Right-of-Way FY16 $1,428,000 (HSIP)

WAYNE Drive), SR 1622 (Woodside Construction FY17 $1,505,000 (HSIP)

**Proj. Category**

**TRANSITION**

(Saulston Patetown Road). Safety improvements including widening, shoulders, superelevation revisions, overlaying pavement markings and signing. $2,933,000

DIVISION 5

B-5140 SR 1001 (Pearces Road), Right-of-Way FY18 $70,000 (HFB)

WAKE Replace Bridge 910195 over Utilities FY18 $89,000 (HFB)

**Proj. Category**

**HWY FUNDS**

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. $1,009,000

C-5567 East Lyon Station Greenway, Right-of-Way FY17 $28,000 (CMAQ)

GRANVILLE Town of Butner Greenway FY17 $7,000 (L)

**Proj. Category**

**EXEMPT**

Construct multi-use path. FY17 $36,000 (L)

To allow additional time to complete the design phase, delay Right-of-Way from FY 16 to FY 17 and Construction $215,000

3795
### Proj. Category

**At request of Division Office**,  **delay Construction from FY 16 to FY 17.**

**DIVISION 5**

<table>
<thead>
<tr>
<th>Proj. Category</th>
<th>Proj.</th>
<th>Category</th>
<th>FY</th>
<th>Amount</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>At request of Division Office</td>
<td>EB-4707B</td>
<td>SR 2220, SR 1113 (Pope Road) Construction</td>
<td>FY17</td>
<td>$4,067,000</td>
<td>(STBGDA)</td>
</tr>
<tr>
<td>At request of Division Office</td>
<td>DURHAM</td>
<td>to SR 1116 (Garrett Road)</td>
<td>FY17</td>
<td>$250,000</td>
<td>(O)</td>
</tr>
<tr>
<td>At request of Division Office</td>
<td>Proj. Category</td>
<td>At request of Division Office</td>
<td>FY17</td>
<td>$767,000</td>
<td>(L)</td>
</tr>
<tr>
<td>At request of Division Office</td>
<td>TRANSITION</td>
<td>At request of Division Office</td>
<td></td>
<td>$5,084,000</td>
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**U-5537**

<table>
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<tr>
<th>Proj. Category</th>
<th>Proj.</th>
<th>Category</th>
<th>FY</th>
<th>Amount</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR 1521 (Lake Pine Drive), Right-of-Way</td>
<td>U-5537</td>
<td>SR 1521 (Lake Pine Drive), Right-of-Way</td>
<td>FY17</td>
<td>$56,000</td>
<td>(STBGDA)</td>
</tr>
<tr>
<td>WAKE</td>
<td>SR 1113 (Pope Road)</td>
<td>Widen to 3 lanes, north of</td>
<td>FY17</td>
<td>$24,000</td>
<td>(L)</td>
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<tr>
<td>Proj. Category</td>
<td>Macgregor Pines Road to</td>
<td>Construction</td>
<td>FY17</td>
<td>$668,000</td>
<td>(STBGDA)</td>
</tr>
<tr>
<td>DIVISION</td>
<td>north of Versailles Drive.</td>
<td></td>
<td>FY17</td>
<td>$167,000</td>
<td>(L)</td>
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<td>Including 10 ft multiuse path</td>
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<td>east side; 5 ft sidewalk west side.</td>
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</table>

*To allow time for the town to complete the r/w plans, delay Right-of-Way FY 16 to from FY 17.*

**U-5745**

<table>
<thead>
<tr>
<th>Proj. Category</th>
<th>Proj.</th>
<th>Category</th>
<th>FY</th>
<th>Amount</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC 751 (Hope Valley Road), Right-of-Way</td>
<td>U-5745</td>
<td>NC 751 (Hope Valley Road), Right-of-Way</td>
<td>FY18</td>
<td>$150,000</td>
<td>(T)</td>
</tr>
<tr>
<td>DURHAM</td>
<td>SR 1183 (University Drive)</td>
<td>Construction</td>
<td>FY19</td>
<td>$1,300,000</td>
<td>(T)</td>
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<tr>
<td>Proj. Category</td>
<td>intersection in Durham</td>
<td></td>
<td></td>
<td>$1,450,000</td>
<td></td>
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<tr>
<td>REGIONAL</td>
<td>Construct roundabout.</td>
<td></td>
<td></td>
<td>$850,000</td>
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</tbody>
</table>

*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.*

<table>
<thead>
<tr>
<th>Proj. Category</th>
<th>Proj.</th>
<th>Category</th>
<th>FY</th>
<th>Amount</th>
<th>Notes</th>
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<tbody>
<tr>
<td>SR 1544 (Guy Road), Right-of-Way</td>
<td>B-5339</td>
<td>SR 1544 (Guy Road), Right-of-Way</td>
<td>FY23</td>
<td>$80,000</td>
<td>(STPOFF)</td>
</tr>
<tr>
<td>HARNETT</td>
<td>Replace Bridge 420233</td>
<td>Construction</td>
<td>FY24</td>
<td>$770,000</td>
<td>(STPOFF)</td>
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<tr>
<td>Proj. Category</td>
<td>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.</td>
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<td></td>
<td>$850,000</td>
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<th>Category</th>
<th>FY</th>
<th>Amount</th>
<th>Notes</th>
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<tbody>
<tr>
<td>SR 1234 (Leaflet Church Road), Right-of-Way</td>
<td>B-5414</td>
<td>SR 1234 (Leaflet Church Road), Right-of-Way</td>
<td>FY23</td>
<td>$50,000</td>
<td>(STPOFF)</td>
</tr>
<tr>
<td>HARNETT</td>
<td>Replace bridge 420195 over</td>
<td>Construction</td>
<td>FY24</td>
<td>$525,000</td>
<td>(STPOFF)</td>
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<tr>
<td>Proj. Category</td>
<td>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.</td>
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<td>$575,000</td>
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**DIVISION 7**

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<th>Category</th>
<th>FY</th>
<th>Amount</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>US 220 (Northbound), Replace</td>
<td>B-5352</td>
<td>US 220 (Northbound), Replace</td>
<td>FY17</td>
<td>$240,000</td>
<td>(NHPB)</td>
</tr>
<tr>
<td>ROCKINGHAM</td>
<td>Bridge 780131 over Norfolk</td>
<td>Construction</td>
<td>FY19</td>
<td>$975,000</td>
<td>(NHPB)</td>
</tr>
<tr>
<td>Proj. Category</td>
<td>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.</td>
<td></td>
<td></td>
<td>$975,000</td>
<td>(NHPB)</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>To allow additional time to coordinate project design with Norfolk-Southern Railroad, delay</td>
<td></td>
<td></td>
<td>$2,190,000</td>
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</tbody>
</table>

3796
**Right-of-Way from FY 16 to FY 17 and Construction from FY 18 to FY 19.**

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Location</th>
<th>Type/Category</th>
<th>Details</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-4707</td>
<td>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. <strong>To allow additional time to prepare the environmental document and select an alternative, delay Right-of-Way FY 17 to FY 19.</strong></td>
<td>REGIONAL</td>
<td>$3,220,000 (T)</td>
<td></td>
</tr>
<tr>
<td>R-4707A</td>
<td>SR 4771 (Reedy Fork Parkway), Construction FY20 Replace Bridge 400360 over US 29 and construct tie-ins. <strong>At request of Project Development, delay Construction from FY 18 to FY 20.</strong></td>
<td>DIVISION</td>
<td>$8,821,000 (T)</td>
<td></td>
</tr>
<tr>
<td>U-5306B</td>
<td>US 220 (Battleground Avenue), Construction FY17</td>
<td>REGIONAL</td>
<td>$3,100,000 (NHP)</td>
<td></td>
</tr>
<tr>
<td>U-5538C</td>
<td>NC 119, SR 1981 (Trollingwood-Right-of-Way, Hawfields Road) in Mebane. <strong>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.</strong></td>
<td>DIVISION</td>
<td>$150,000 (L)</td>
<td></td>
</tr>
<tr>
<td>W-5143</td>
<td>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. <strong>To allow additional time to complete the Right-of-Way phase, delay Construction from FY 16 to FY 17.</strong></td>
<td>TRANSITION</td>
<td>$325,000 (HSIP)</td>
<td></td>
</tr>
<tr>
<td>B-5739</td>
<td>SR 2621 (Foushee Road), Replace Bridge 750170 over</td>
<td>RANDOLPH</td>
<td>$37,000 (STPOFF)</td>
<td></td>
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<tr>
<td></td>
<td>Construction FY17</td>
<td></td>
<td>$747,000 (STPOFF)</td>
<td></td>
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</tbody>
</table>
**Proj. Category**  Reed Creek.  **DIVISION**  
*Accelerate Right-of-Way from FY 17 to FY 16 at request of Division Office.*  
**FY17 $784,000**

**Proj. Category**  Branch of Sandy Creek.  **DIVISION**  
*Accelerate Right-of-Way from FY 17 to FY 16 at request of Division Office.*  
**FY17 $448,000**

**Proj. Category**  **DIVISION**  
B-5763 SR 2407 (Starmount Road), RANDOLPH Replace Bridge 750129 over  
Right-of-Way FY16 $21,000 (STPOFF) Construction FY17 $427,000 (STPOFF)

**Proj. Category**  U-3628 NC 24 / NC 27, Courthouse  **DIVISION**  
MOORE west of NC 22 (McNeil Street)  
Utilities FY21 $2,031,000 (T) Construction FY23 $3,400,000 (T)

**Proj. Category**  EB-4020C Brushy Fork Greenway, FORSYTH Lowery Street to Reynolds Park  
**DIVISION**  
TRANSITION Road Construction FY17 $5,675,000

**DIVISION 9**  
EB-4020C Brushy Fork Greenway,  **DIVISION**  
Right-of-Way FY17 $20,000 (STBGDA) 
FORSYTH Lowery Street to Reynolds Park  
Construction FY17 $5,000 (L)

**DIVISION 10**  
B-2506 SR 1627 (Pinkston River),  **DIVISION**  
Replace Bridge 030008 over  
Brown Creek.  
**DIVISION**  
Michael Baker Road, Replace  
Bridge 590210 over Briar  
Construction FY17 $1,360,000 (STPOFF)  
**FY17 $340,000**

**Proj. Category**  **DIVISION**  
C-5540 Charlotte, Navin Road,  **DIVISION**  
MECKLENBURG Alpine Drive to Gibbon Road.  
Construction FY17 $564,000 (CMAQ)  
**FY17 $188,000**

**Proj. Category**  Construct sidewalk on north side.  
**FY17 $752,000**
EXEMPT

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.

*To allow additional time for Utility Relocations delay Construction from FY 16 to FY 17.*

**U-3467**

NC 84, NC 16 to SR 1008
(Waxhaw-Indian Trail Road)
in Wesley Chapel.
Regional

**Proj. Category**

Construct four lane roadway, part on new location.

**REGIONAL**

Fill gaps in sidewalk network on east side.

**To allow additional time for planning Delay Right-of-Way from FY 17 to FY 18.**

**DIVISION 10**

**U-5114**

Huntersville, Intersection of US 21 and Gilead Road in Utilities
(BA)

**Proj. Category**

Huntersville. Construct intersection improvements, including bicycle and pedestrian accommodations.

**TRANSITION**

Right-of-Way FY17 $3,350,000 (BA)

**Proj. Category**

Construction FY18 $3,850,000 (BA)

**Proj. Category**

Construction FY18 $2,400,000 (T)

$10,400,000

*Replace STP-DA and associated matching funds with bonus allocation funds. Add trust funds to complete work proposed under U-5771.*

**DIVISION 13**

**I-5809**

I-40, Milemarker 86.4 to McDOWELL
milemarker 92.8.

**Proj. Category**

Pavement rehabilitation.

**STATEWIDE**

To allow additional time for Design delay Construction from FY 16 to FY 17.

Construction FY17 $2,250,000 (NHPIM)

**Proj. Category**

Pavement rehabilitation.

**STATEWIDE**

To allow additional time for Design delay Construction from FY 16 to FY 17.

Construction FY17 $3,000,000 (NHPIM)

**Proj. Category**

Pavement rehabilitation.

**STATEWIDE**

To allow additional time for Design delay Construction from FY 16 to FY 17.

Construction FY17 $6,000,000 (NHPIM)

**I-5892**

Future I-26, Milemarker 18 to BUNCOMBE
milemarker 12.5.

**Proj. Category**

Pavement rehabilitation.

Construction FY17 $6,000,000 (NHPIM)
STATEWIDE

To allow additional time for Design delay Construction from FY 16 to FY 17.

R-5528A MITCHELL Proj. Category EXEMPT
New route, Construct access road off SR 1129 (Henredon Road) from the end of Phase I project. To allow additional time for Design delay Construction from FY 16 to FY 17.

DIVISION 14

B-5550 TRANSYLVANIA Proj. Category DIVISION
Brevard, Replace Bridge Right-of-Way FY17 $120,000 (STPON) over Kings Creek. Construction FY17 $520,000 (STPON)

DIVISION 14

U-5105 HENDERSON Proj. Category TRANSITION
Hendersonville, NC 225/ SR 1164 (Erkwood Drive)/ SR 1779 (Shepherd Street) in Hendersonville. Improve intersection. To allow additional time for Planning delay Right-of-Way from FY 16 to FY 17.

U-5872 HENDERSON Proj. Category EXEMPT
US 25 (Hendersonville Road), Engineering FY16 $154,000 (STBGDA) SR 1006 (Howard Gap Road). Construct roadway FY17 $5,000 (L) improvements. Construction FY17 $1,555,000 (STBGDA) To allow additional time for Design Delay Right-of-Way FY 16 to from FY 17. $389,000 (L)

DIVISION 3

EB-5799 BRUNSWICK Proj. Category DIVISION
SR 1167 (Persimmon Road), Bay Trail Drive to NC 179 (Beach Drive). Construct sidewalk. Delete at the request of Town of Calabash.

STIP DELETIONS

DIVISION 3

EB-5799 BRUNSWICK Proj. Category DIVISION
SR 1167 (Persimmon Road), Bay Trail Drive to NC 179 (Beach Drive). Construct sidewalk. Delete at the request of Town of Calabash.

ITEM N SUMMARY

ADDITIONS 9 PROJECTS $14,931,000
MODIFICATIONS 42 PROJECTS
DELETIONS 1 PROJECTS $183,000

3800
Approval – Municipal and Special Agreements

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

Board Member Curran noted a conflict of interest on project W-5601K in Mecklenburg County and Board Member Brown noted a conflict of interest on project EB-5774 in Buncombe County.

SUMMARY: There are a total of 28 Agreements for approval by the Board of Transportation.

Statewide

United States Army Corps of Engineers (USACE) 

This is a Special Reimbursement Agreement for expenditure of funds contributed by the NCDOT to expedite review of NCDOT permits under the jurisdiction of the Department of the Army. The NCDOT and the USACE agree to maintain up to two (2) positions in the Wilmington District, USACE Office. Reimbursement shall be made in five (5) annual installments and shall provide total funding in the amount not to exceed $1,800,000 over the next five year period beginning October 1, 2016.

North Carolina Railroad Company (NCRR) 

On September 21, 2012, the Department, NCRR, and NS entered into a Rail Master Project Construction and Maintenance Agreement (MPCMA) detailing the terms for construction of all Piedmont Improvement Program (PIP) projects. This amendment to the MPCMA provides for an amended date for: (1) completion of all project work, (2) submission of all Post Construction Drawings, (3) submission of final itemized invoices for all project work, (4) final payments after completion of all projects and/or components, and (5) reconciliation at final invoice and program close out. There will be no additional project cost to the Department and all project work will be completed for reimbursement by FRA to NCDOT by September 30, 2017. All other provisions of the MPCMA executed on September 21, 2012 shall remain the same.

Division 4

This Project consists of the installation of sidewalk on the south side of Eastern Avenue (US 64 Business) from Lowes Foods to east of SR 1003. This Supplemental Agreement is to amend the Project scope to include installation of curb and gutter, sidewalk, paving, etc., and removal of existing elements; and to increase funding. The Department’s original participation is was $175,000. The Department will reimburse the Municipality an additional amount not to exceed $106,100 for a total amount of $281,100. This agenda item supersedes the item that was approved by the BOT on May 5, 2016.

Division 5

This Project consists of sidewalk and pedestrian improvements on both sides of LaSalle Street from Kangaroo Drive to US 70 Business and on one-side of LaSalle Street from Hillsborough Road to Sprunt Avenue. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% ($489,000) of approved eligible costs from the STP-
City of Raleigh
Wake County
W-5601G
50138.3.9
This Project consists of roadway improvements to SR 1007 (Poole Road) at SR 2967 (New Hope Road) in Raleigh. 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 reimbursement from the Municipality is $230,000.

City of Durham
Durham County
EB-5704
51050.1.F1.1
51050.3.1
This Project consists of sidewalk and pedestrian improvements on one side of Raynor Street from North Miami Boulevard to North Hardee Street. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% ($240,000) of approved eligible costs from the STP-TAP funds allocation. The Municipality will be responsible for providing the 20% ($60,000) non-federal match for the funds authorized and all costs that exceed the total estimated cost.

North Carolina State University, Clean Energy Technology Center (CETC)
Wake County
C-5702A, B & C
44907.1.1
44907.1.2
44907.1.3
This Project consists of the development and operation of a clean fuel advanced technology outreach and awareness program, including sub-awards for projects in eligible counties in North Carolina. The Project will be administered by the Clean Energy Technology Center (CETC) at NC State University. The Department shall reimburse 80% of approved eligible costs from CMAQ funds, not to exceed $4,494,500. The CETC will be responsible for the 20% ($1,123,624) nonfederal match for the CMAQ funds authorized and all costs that exceed the total estimated cost of $5,618,124.

City of Durham
Durham County
EB-5715
50411.1.1
50411.3.F1
This Project consists of sidewalk and pedestrian improvements on east side of North Duke Street from Murray Avenue to US 501 Business to fill in existing gaps. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% ($1,059,200) of approved eligible costs from the STP-TAP funds allocation. The Municipality will be responsible for providing the 20% ($264,000) non-federal match for the funds authorized and all costs that exceed the total estimated cost.

City of Durham
Durham County
EB-5708
50404.1.1
50404.3.F1
This Project consists of sidewalk and pedestrian improvements on the south side of NC 54 from NC 55 to Research Triangle Park’s western limit. The Municipality is responsible for all phases of the Project. The Department shall reimburse 100% ($300,000) of approved eligible costs from the Safe Routes to School (SRTS) funds allocation. The Municipality will be responsible for all costs that exceed the total estimated cost.

City of Raleigh
Wake County
C-5604 OB
43714.1.2
43714.3.4
This Project consists of the implementation of the Bike Share System to include the design, procurement and installation of approximately 30 stations and +/- 300 bicycles near Downtown Raleigh. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of approved eligible costs from CMAQ funds, not to exceed $1,548,800 and 80% of approved eligible costs from TAP funds, not to exceed $100,000. The Department shall provide the 20% ($25,000) state match for the TAP funds. The Municipality will be responsible for providing the 20% ($387,200) non-federal match for the CMAQ funds authorized and
Division 7

City of Greensboro, Guilford County
U-5532B
46297.2.F3
46297.3.F3

This Project consists of the construction of sidewalk and wheelchair ramps where none exists on both sides of Phillips Avenue and the marking and signage of crosswalks in Greensboro. This Supplemental Agreement is to increase funding for the Project. The Department’s original participation was $280,000. The Department agrees to reimburse the Municipality an additional $80,463 (80%) for a total of $360,463 in Transportation Alternatives Program (TAP) funds. The Municipality’s original participation was $70,000. The Municipality will provide an additional $20,116 (20%) for a total of $90,116 as their local match and all costs that exceed the total estimated costs.

Town of Hillsborough, Orange County
W-5143
45267.3.FD1

This Project consists of improving the horizontal alignment of a curve on SR 1004 (Efland Cedar Grove Road) north of the intersection with SR 1332 (Highland Farm Road). At the request of the Municipality, the Department will include reservoir road improvements along the same section as part of the work. The estimated cost of the reservoir project is $1,040,544. The Department will participate in the amount of $467,000 toward the Reservoir Road project. The Municipality is responsible for $573,544 and any cost exceeding the estimated amount of $1,040,544.

City of Greensboro, Guilford County
C-5555 E
45540.1.6
45540.2.6
45540.3.6

This Project consists of the construction of sidewalk along College Road on the east side from Guida Drive to Friendly Avenue and along New Garden Road on the west side from Friendly Avenue to Ballinger Road in Greensboro. The Municipality is responsible for all phases of the Project. This Supplemental Agreement is to increase funding. The Department shall participate in an additional amount not to exceed $37,293 (80%) in CMAQ funds. The Municipality will be responsible for providing $9,301 (20%) as their local match.

Division 9

Town of Rural Hall, Forsyth County
R-2247EC
34409.3.23

This Project consists of reconstruction of the interchange at US 52 with NC 65 on the Winston-Salem Northern Beltway, including sidewalks on both sides of HWY 65 in Rural Hall. This Supplemental Agreement is to add new betterments and costs to the Project. The Municipality has requested that Anodized Rail, Bridge Façade, and Exterior Stained Girders decorative improvements be added. The Municipality shall reimburse the Department 100% of these additional cost estimated at $59,142.

City of Winston-Salem, Forsyth County
R-2247CD
34409.3.23

This Design-Build Project consists of reconstruction of the US 421/SR 1891 (Peace Haven Road) Interchange on the Winston-Salem Northern Beltway. At the request of the Municipality, the Department shall include construction of pedestrian facilities on the west side of SR 1891 (Peace Haven Road) from Regents Village Drive to Ivystone Lane, and on the east side of SR 1891 (Peace Haven Road) from Villas Drive to the End of Construction limits just north of Ivystone Lane. The Municipality will pay a lump sum amount for construction of the sidewalk. The lump sum cost to the Municipality is $23,872.

City of Winston-Salem, Forsyth County
R-2247EC

This Design-Build Project consists of construction of the US 52 (Future I-74)/NC 65 (Bethania – Rural Hall Road) Interchange on the Winston-Salem Northern Beltway. At the request of the Municipality, the Department shall
include construction of pedestrian facilities along both sides of NC 65 (Bethania-Rural Hall Road) from the relocated Montroyal Road/DW1 intersection to a point just south of proposed Ramp B/Loop B; and Anodized Rail, Bridge Façades, and Exterior Stained Girders aesthetic betterments. The Municipality will pay a lump sum amount of $13,041 for construction of the sidewalk; and a lump sum amount of $80,493 for the Anodized Rail, Bridge Façade, and Exterior Stained Girders aesthetic betterments.

**Division 10**

Zoladz Construction Company Co. Inc. ("Zoladz") Mecklenburg County

This Rail Lease Agreement is for the purpose of leasing property owned by the Department located at 520 Summit Avenue, Charlotte, NC to Zoladz for a term of ten (10) months for a total rental amount of eighteen thousand dollars ($18,000.00). The property will be rented in an "as is" condition subject to the usual terms and conditions for the demise of state property under state law and be used during construction of the Charlotte Locomotive and Railcar Maintenance Facility. There will be no additional project cost to the Department.

City of Charlotte Mecklenburg County

This Project consists of the widening of the I-485 Outer Loop ramp to NC 16 and for signal modifications. The Municipality shall design and modify the existing signal system between the I-485 Outer Loop ramp and NC 16. The Department shall reimburse the Municipality up to $6,000 for the design and construction of the signal modification.

City of Mount Holly Gaston County

This Project consists of NC 273 (South Main Street) from Tuckaseegee Road at Beatty Drive to Highland Street at A & E Drive in Mount Holly. 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 reimbursement from the Municipality is $156,398.00.

City of Charlotte Mecklenburg County

This Project consists of the installation of 20-24 B-cycle bike share stations in and around City Center. The Municipality will be responsible for all phases of the project. The Department will reimburse 80% of eligible costs from TAP funds not to exceed $675,000. The Municipality shall be responsible for providing the 20% ($168,750) non-federal match and all costs that exceed the total estimated cost of $843,750.

City of Charlotte Mecklenburg County

This Project consists of safety improvements to include the installation of traffic signals at the following locations: I-77 Southbound Ramp and Trade Street (SR 2407); I-77 Northbound Ramp and Westinghouse Boulevard (SR 1128); US 21 and Lakeview Road (SR 1212) and NC 24 and Old Concord Road (SR 2939). The Municipality shall participate in the design work of the Project. The Department agrees to reimburse the Municipality up to $11,500 for their participation in the design work.

Division 11

Town of West Jefferson Ashe County

This Project consists of pedestrian improvements at the intersection of North Jefferson Avenue and East Second Street ending at the intersection of East Second Avenue and Fifth Avenue. This Supplemental Agreement is to provide additional funding in the amount of $130,000 in State Contingency Funds.
City of Lenoir
Caldwell County
EB-5806
46457.1.1
46457.2.1
46457.3.1

This Project consists of construction of sidewalk on Hospital Avenue between Harper Avenue and US 321. The Municipality shall be responsible for all phases of the Project. The Department will reimburse 80% of eligible expenses from TAP funds not to exceed $800,000. The Municipality shall be responsible for providing the 20% ($200,000) non-federal match and all costs that exceed the total estimated cost of $1,000,000.

Piedmont & Atlantic Railroad, dba Yadkin Valley Railroad
Norfolk Southern Railway Company, Inc. (NS)
Wilkes County
80000.1.4.30

This agenda item supersedes the YVRR Rail Freight Assistance Agreement agenda item that was approved at the June 2, 2016 Board of Transportation meeting. The original scope of work included rail replacement at 3 curves and a bridge rehabilitation at milepost K 87.9, for a total project cost of $429,545, including $107,386.26 for bridge rehabilitation. After further site review it was mutually determined between YVRR and the Department to rescope the project. The Agreement has been modified to remove the rail replacement and to increase the scope of work for the bridge rehabilitation. The total project cost for the bridge rehabilitation is now $149,070. This increases the Department’s participation from 12.5% or up to $53,593, to 50% or up to $74,535. All other provisions of the agreement approved at the June 2, 2016 Board of Transportation meeting shall remain the same.

Division 12

Catawba County
R-3100A
34522.3.FR3

This Project consists of improvements on NC 16 from north of SR 1814 (Caldwell Road) to SR 1895 (Tower Road). At the request of the County, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate county-owned water and sewer lines. The County shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the County is $2,862,255.00.

Catawba County
R-3100B
34522.3.FR3

This Project consists of NC 16 from north of SR 1801 (Claremont Road) to north of SR 1814 (Caldwell Road). At the request of the County, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate county-owned water and sewer lines. The County shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the County is $5,250,073.

Division 13

Buncombe County
EB-5774
46407.1.1
46407.2.1

This Project consists of a multi-use path along NC 251 (Riverside Drive) from SR 1684 (Elk Mountain Road) to Exit 25 on US 19/23/70. This Supplemental Agreement is to modify the funding source from STP-DA to TAP funds. The amount to be reimbursed, $528,000 will not change. The County shall provide a 20% match and all costs that exceed the total available funding.

Division 14

Eastern Federal Lands
Highway Division
Henderson County
R-5780
44909.1.1
44909.3.1

This Project consists of resurfacing North Mills River Road (SR 1345) in Henderson County, which is funded by Federal Lands Access Program (FLAP) funds. The Department is responsible for all phases of the work. The Department shall participate in a tapered match of 19.02%, or $116,778.60. The total estimated project cost is $593,893.
SUMMARY: There are a total of 18 agreements for informational purposes only.

Division 3

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

Town of Leland
Brunswick County
U-5534 K
44096.1.F12
44096.2.F12
44096.3.F12
This Project consists of the construction of 5-foot wide concrete sidewalk adjacent to Old Fayetteville Road from Ricefield Branch Road to the Hwy 74/76 overpass after Glendale Drive with connections to Leland Middle School and the surrounding neighborhoods. This Supplemental Agreement extends the completion date for the Project to March 31, 2018, in lieu of March 31, 2016.

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

Division 4

The Shoppes at Glen Laurel, LLC
Johnston County
36249.3683
This Project consists of installation and modification of a traffic signal at the NC 42/Glen Laurel Road intersection [04-1083], including wireless connectivity. The Developer shall reimburse the Department 100% of the cost of the Department’s review and inspection of the signal. The estimated reimbursement is $7,000.

Town of Faison
Duplin County
46305.1.18
This Project consists of plantings along US 117 (Center Street) from Soloman Street to College Street. 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.

Division 5

Raleigh Durham Airport Authority
Wake County
36249.3685
This Project consists of the fabrication and installation of three overhead signs, two located on Aviation Parkway and one on Airport Boulevard. The Department will perform the work. The Airport Authority shall reimburse the Department 100% of the actual cost of the work. The estimated reimbursement is $21,500.

Durham Public Schools
Durham County
36249.3686
This Project consists of safety improvements at Jordan High School Crossing, including fence, school flashers and a concrete island. The Department shall be responsible for all phases of the work. Durham Public Schools shall reimburse the Department 100% of the actual cost of the work. The estimated reimbursement is $35,000.

Division 6

Capital Area Metropolitan Planning Organization (CAMPO)
This Memorandum of Agreement (MOA) establishes the terms and conditions for installation, data access, ownership and maintenance of Department specialized pedestrian and cyclists counting equipment,
<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wake County</td>
<td>related to the “North Carolina’s Non-Motorized Volume Data Program” research project in Apex, Cary, Raleigh and Wake Forest. CAMPO will be responsible for equipment installation and routine maintenance costs through the useful life of the equipment as defined in the agreement.</td>
</tr>
<tr>
<td>City of Whiteville, Columbus County 2300003140</td>
<td>The Project consists of the construction of a sewer system on SR 1170 (Prison Camp Road) to connect the NCDOT’s County Maintenance Facility to the City of Whiteville sewer system, betterments including lift stations pumps and a pressure force main. The Department shall be responsible for all phases of the work. Upon completion of the Project the Municipality shall reimburse the Department a lump sum amount of $95,000 for betterments. Upon completion of the Project the Municipality shall assume all maintenance and cost of the sewer system, not on Department property.</td>
</tr>
<tr>
<td>NC Piedmont Natural Gas, Cumberland County 50079.3.FD1</td>
<td>The Project consists of a right turn lane on SR 2220 (Tom Starling Road) at SR 2333 (Corporation Drive) in conjunction with the Project to realigning two curves along SR 2220 between US 301 and NC 87, including widening, resurfacing and a left turn lane at SR 2333. The Department shall be responsible for all phases of the Project. The Developer shall reimburse the Department $87,500 for work performed by the Department. The estimated total cost of Project is $87,500. This Agreement supersedes the prior board approval on August 4, 2016.</td>
</tr>
<tr>
<td>Division 9 Town of Spencer, Rowan County 44793</td>
<td>This Project consists of drainage improvements on Fourth Street between US 29 (Salisbury Avenue) and Iredell Avenue in the Town of Spencer. The Municipality is responsible for all phases of the work. The Department shall participate in the actual costs up to a maximum amount of $390,000. Costs which exceed this amount shall be borne by the Municipality. Estimated costs are $434,647.</td>
</tr>
<tr>
<td>Division 10 Intertape Polymer Group, Cabarrus County R-5778 44799.3.1</td>
<td>This Project consists of the widening and strengthening of Bill McGee Road (SR 3049) for 2,000 feet and the extension of Bill McGee Road across the railroad at an approved crossing to the location of the new industrial site. The Developer will be responsible for planning and design, and right of way acquisition. The Department shall be responsible for utility relocations and construct the Project. The Department shall participate in the actual construction costs of the Project in an amount not to exceed $800,000. Costs which exceed this amount shall be borne by the Developer.</td>
</tr>
<tr>
<td>Cabarrus County 44831</td>
<td>This Project consists of improvements on International Drive (SR 1429) at the intersections with Poplar Tent Road (SR 1394), Fortune Drive, and Davidson Highway (NC 73) related to a proposed new logistics facility on Fortune Drive in the International Business Park. The improvements will consist of widening for a lane extension, construction of a right turn lane and a receiving lane, and intersection modifications to allow for future dual left turn lanes on Davidson Highway (NC 73) to International Drive (SR 1429). The County shall be responsible for all phases of the Project. The Department shall participate in the actual construction costs in an amount not to exceed $192,500. Costs which exceed this amount shall be borne by the County.</td>
</tr>
<tr>
<td>Harris Square, LLC</td>
<td>This Project consists of the modification of the existing signal at the</td>
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</table>
Mecklenburg County 36249.3691
intersection of NC 49 and Roberta Road (SR 1304) and the installation of a new signal at the intersection of Roberta Road (SR 1304) and New Access Drive in Harrisburg. The Developer shall reimburse the Department 100% of the cost of the Department’s review and inspection of the signal. The estimated reimbursement is $10,000.

Forestar Group Inc. Mecklenburg County 36249.3692
This Project consists of the modification to an existing signal at the intersection of North Old Statesville Road (NC 115) and Ramah Church Road (SR 2439) in conjunction with roadway improvements to facilitate traffic flow into Walden Subdivision in Huntersville. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the Department’s work. The estimated reimbursement is $5,000.

Division 13
Ingles Markets, Inc. Buncombe County 36249.3690
This Project consists of the review and inspection of a new traffic signal at the main entrance to Ingles Markets located on US 70 in Swannanoa. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the Department’s work. The estimated reimbursement is $7,500.

FHWA – Eastern Federal Lands Highway Division (EFL) U.S. Department of the Interior - National Parks Service (NPS)
FHWA – NC Division Office (FHWA) Buncombe County I-4700B 36030.1.FS3
This Project consists of the widening of I-26 from NC 146, Long Shoals Road (Exit 37) to I-40 in Buncombe County. This Supplemental Agreement is to extend the period of performance to September 30, 2017. This agreement provides for the preliminary design and environmental documentation to be performed by the EFL and the NPS in coordination with FHWA and the Department to obtain the NPS Design Advisory Board approval and to meet NEPA and NPS compliance for the Blue Ridge Parkway bridge replacement over I-26, near Milepost 36, in Buncombe County. The estimated cost of the preliminary design and environmental services is $400,000. The Department shall provide 80% of the costs in Federal National Highway Performance Program (NHPP) Funds with 20% in State Matching Funds.

Division 14
Tryon International Equestrian Center Polk County R-5756 46441.3.1
This Project consists of revising an original approved design of the project and constructing the new design with cost participation. The Center shall be responsible for the revised design. The Department shall participate in the Project up to a maximum amount of $1,831,299.20. The Center shall reimburse the Department for the estimated cost of construction for the revised design. The estimated reimbursement from the Center is $320,000.

Preliminary Right of Way Plans
A motion was made by Board Member McQueary  seconded by Board Member Brown, to approve the following:
The Preliminary Right of Way Plans for the below projects, including Secondary Roads and Industrial Access Roads, provide for the construction, design, drainage and control of access as shown on the respective plans.
Based upon the recommendations of the Manager of the Right of Way Unit, the Board finds that such rights of way as shown on these preliminary plans and drawings, including existing public dedicated right of way, are for a public use and are necessary for the construction of said projects.

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

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

(Division 2)

Lenoir County; I.D. No. R-5703; Project No. 46375.2.1:
NC 148 (Harvey Parkway) from NC 58 to NC 11

Greene County; I.D. No. W-5601FR; Project No. 50138.2.175:
NC 123 at SR 1400 (Fourway Road / Ormondsville Road) safety improvements

(Division 3)

New Hanover County; I.D. No. B-5236; Project No. 42840.2.1:
Bridge No. 19 over Lords Creek on SR 1100

(Division 4)

Johnston County; I.D. No. R-5769; Project No. 46448.2.1:
SR 1913 (Gordon Road) from US 70 Business to proposed Noco Nordisk Facility

Edgecombe County; I.D. No. U-4762; Project No. 39930.2.2:
SR 1250 (Springfield Road) from US 64 Alternate to SR 1243 (Leggett Road)

Wayne County; I.D. No. R-5719; Project No. 50473.2.1:
US 117 at SR 1135 (Country Club Road)

Johnston County; I.D. No. R-3825B; Project No. 34552.2.4:
NC 42 from East of SR 1902 (Glen Laurel Road) to SR 1003 (Buffalo Road)

Johnston County; I.D. No. B-4771; Project No. 38543.2.1:
Bridge No. 11 over Mill Creek on SR 1201

(Division 5)

Wake County; I.D. No. W-5601CR; Project No. 50138.2.97:
US 70 Business at SR 2555 (Raynor Road/Auburn-Knightdale Road)

Person County; I.D. No. B-5327; Project No. 46041.2.1:
Bridge No. 49 over South Hyco Creek on SR 1300

Vance County; I.D. No. B-4945; Project No. 39971.2.1:
Bridge No. 36 over Kerr Lake on SR 1374 (Anderson Creek Road)

(Division 8)

Hoke County; I.D. No. B-5755; Project No. 45711.2.1:
Bridge No. 57 over Puppy Creek on SR 1406 (Rockfish Road)
Montgomery County; I.D. No. B-5362; Project No. 46077.2.1:
Bridge No. 53 over Drowning Creek on NC 73

Randolph County; I.D. No. U-5758; Project No. 50172.2.1:
US 220 Business (Fayetteville Street) at intersection of US 220 Business and Presnell Street in Asheboro

Randolph County; I.D. No. W-5601EK; Project No. 50138.2.142:
US 311 from SR 1524 (Beckerdite Road) to SR 1525 (Beeson Farm Road)

(Division 9)
Forsyth County; I.D. No. U-4741OJ; Project No. 39745.2.F27:
Rural – NC 65 (Runningbrook Lane to Norvasa Street)

Forsyth County; I.D. No. R-2247EA; Project No. 34409.2.27:
Winston-Salem Northern Beltway from NC 67 to South of US 52 (Legal Services Only)

(Division 10)
Cabarrus County; I.D. No. C-4916C; Project No. 44016.2.2:
Kannapolis – Sidewalk along Oakwood Avenue around Shady Brook School

Mecklenburg County; I.D. No. C-5533; Project No. 45506.2.F1:
Charlotte – the Intersection of SR 5469 (Shopton Road) and SR 1156 (Beam Road)

Mecklenburg County; I.D. No. U-5804B; Project No. 44376.2.2:
SR 3448 (South Trade Street) from Four Mile Creek on Weddington Road

Mecklenburg County; I.D. No. I-4750AC; Project No. 40099.2.8:
I-77 at Exit 30 (Griffith Street) interchange, construct roundabouts at Northbound and Southbound Ramp Terminal

(Division 11)
Caldwell County; I.D. No. R-5745; Project No. 50200.2.1:
Intersection of US 64/NC 90/NC 18 (Wilkesboro Boulevard) and NC 64/NC 90 (Taylorsville Road)

(Division 12)
Iredell County; I.D. No. C-5529; Project No. 51043.2.F1:
Intersection of NC 115 and Faith Road – Campus Lane in Morrisville, 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

Iredell County; I.D. No. B-4982; Project No. 40159.2.1:
Bridge No. 38 over Third Creek on US 21-NC115

PRELIMINARY RIGHT OF WAY PLANS       25 PROJECT(S)       $0.00
Final Right of Way Plans

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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 1)

Project No. 46478.2.1; Tyrrell County; I.D. No. B-5936:
Bridge Rehabilitation on Bridge No. 7 over Alligator River on US 64 with the right of way indicated upon the final plans for said project.

(Division 8)

Project No. 46074.2.2; Randolph County; I.D. No. B-5360:
Grading, drainage, paving and structures on Bridge No. 374 over Sandy Creek on SR 2481 (Low Bridge Road) with the right of way indicated upon the final plans for said project.

Project No. 45538.2.1; Randolph County; I.D. No. B-5546:
Grading, drainage, paving and structures on Bridge No. 307 over Mount Pleasant Creek on SR 2481 (Low Bridge Road) 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, paving and drainage on Bridge No. 8 over Brown Creek on SR 1627 with the right of way indicated upon the final plans for said project.

Project No. 39010.2.2; Cabarrus County; I.D. No. U-3440:
Grading, drainage, paving, signals, structures, culverts and retaining wall in Kannapolis – NC 3 from proposed West Side Bypass (U-2009) to SR 1691 (Loop Road) with the right of way indicated upon the final plans for said project.

Project No. 40373.2.FR2; Cabarrus County; I.D. No. U-4910B:
Grading, drainage, paving, widening and signals on SR 1445 (Derita Road) from Aviation Boulevard to SR 1394 (Poplar Tent Road) (U-4910A) with the right of way indicated upon the final plans for said project.

(Division 11)

Project No. 46095.2.1; Avery County; I.D. No. B-5380:
Grading, drainage, paving and structure on Bridge No. 141 over Fall Branch on SR 1114 (Big Plumtree Creek Road) with the right of way indicated upon the final plans for said project.
Revisions of the Final Right of Way Plans

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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:

Approval of Conveyance of Wetland Mitigation Site

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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:
The Department received a request for the disposal of a residue property of approximately 193 acres. The NC Wildlife Resources Commission has requested that the Department transfer this property to them for the existing NC Wildlife Game Land Program along the Dan River. The grantee will be required to provide the Department a conservation easement and easement of ingress and egress. The NC Wildlife Resources Commission has agreed to this conveyance for no monetary consideration.

**CONVEYANCE OF WETLAND MITIGATION SITE** 1 PROJECT(S) $0.00

**Approval of Conveyance of Highway Right of Way Residues**

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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 8)**

Project 34431.2.2, Parcel R-2417AA 029, US 421/NC 87 (Sanford Bypass) from West of SR 1400 to West of US 1/15-501
Lee County
Conveyance of an approximate 0.400-acre residue area to Winfred R. Tysor and Hazel S. Tysor, the highest bidders after public advertisement, for the high bid amount of $5,700.00.

**(Division 10)**

Project 8.1674902, Parcel R-0203A 058, NC 24/27 from SR 3128 (Lawyers Road) to SR 3137 in Charlotte
Mecklenburg County
Conveyance of an approximate 0.315-acre residue area to the H. Dale Rexrode, the highest bidder after public advertisement, for the high bid amount of $10,000.00.

**CONVEYANCE OF ROW RESIDUE** 2 PROJECT(S) $15,700.00

**Approval of Conveyance of Surplus Highway Right of Way**

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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 5)**

Project 8.1403901, Parcel R-2906 063, NC 55 from US 64 in Wake County to SR 1121 (Cornwallis Road) in Durham County
Wake County
Abandonment of an approximate 0.212-acre permanent drainage easement area to the D. Cooke Properties, LLC for no monetary consideration.

**(Division 6)**

Project 8.2326302, Intersection of Player Avenue and Owen Drive
Cumberland County
Abandonment of an approximate 0.212-acre permanent easement area to Emily, LLC for no monetary consideration.

CONVEYANCE OF SURPLUS RIGHT OF WAY 2 PROJECT(S) $0.00

Approval of Revision in Control of Access

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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 6.759003T, Parcel R-0429BA 016, US 421 near SR 1655
Watauga County
Grant of a revision in the existing control of access to Sabin Carroll for a shift in the access break along US 421 near SR 1655 (Landfill Road) just outside the city limits of Boone, for no monetary consideration.

APPROVAL OF REVISION IN CONTROL OF ACCESS 1 PROJECT(S) $0.00

Approval of Advance Acquisition of Highway Right of Way

A motion was made by Board Member McQueary, seconded by Board Member Brown, to approve the following:

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 James E. Grem A/W Oleta
I.D. No. R-2829, Parcel #900,
WBS 35517.2.1, F. A. Project N/A,
County of Wake

CONVEYANCE OF ADVANCE ACQUISITION 1 PROJECT(S) $0.00

R-ITEM SUMMARY 41 PROJECT(S) TOTAL: $0.00
Committee Reports

Chair Curran – Chair of the Road Naming Committee, provided an update.

Chair Curran – Chair of the Audit Committee, provided an update.

Jim Crawford, Member of the Highways Committee, provided an update.

Cheryl McQueary, Chair of Funding and Appropriation Strategies, provided an update for the joint meeting of FAST and Economic Development and Intergovernmental Relations Committee.

Andy Perkins, Chair of Multi-Modal Committee, provided an update.

Other Business

Adjournment

There being no further business to come before the Board, the meeting was adjourned at 9:08 a.m.

Chairman,
North Carolina Board of Transportation

Attest: Secretary to the Board of Transportation

Dated this 3 day of November, 2016
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TRAFFIC NOISE POLICY

Effective Date: October 6, 2016
Noise Policy Committee:
Glenn Mumford, PE ..........Roadway Design Unit
Drew Joyner, PE.............Human Environment Section
Brian Hanks, PE.............Structures Management Unit
Daniel Keel, PE.............Division of Highways
Mike Mills, PE...............Division Engineer
Pat Ivey, PE...............Division Engineer
Greg Smith, PE...............Human Environment Section

Sponsors:
Clarence Coleman, PE ......Federal Highway Administration
Felix Davila, PE...............Federal Highway Administration
Edward L. Curran...........Board of Transportation

APPROVED BY:

10-6-16
Date of Approval
John E. Sullivan, III, PE, Division Administrator
Federal Highway Administration

11-14-16
Date of Approval
Nicholas J. Tennyson
Secretary of Transportation

10-5-16
Date of Approval
Edward L. Curran, Chairman
Board of Transportation

Person Responsible for Policy:
Traffic Noise & Air Quality Supervisor
Human Environment Section
1598 Mail Service Center
Raleigh, North Carolina 27699-1598
(919) 707-6087
DEFINITIONS

a) Decibel (dB) - The logarithmic unit for measuring sound pressure levels. For traffic noise measurements, decibels are most commonly reported in terms of the A-weighting frequency scale, which best includes the frequencies to which human hearing is typically most sensitive and is denoted by the abbreviation dB(A).

b) Leq – The equivalent steady-state sound level which, in a defined period of time, contains the same amount of acoustic energy as a time-varying sound level during the same period of time.

c) Receptor – Any location that receives traffic noise.

d) Impacted Receptor – A receptor for which the predicted hourly equivalent traffic noise level 1) meets or exceeds the approach criteria value found in Table 1 of this policy or 2) exceeds the existing ambient noise level by 10 dB(A) or more.

e) Benefited Receptor - All receptors, both impacted and non-impacted, that receive a noise level reduction of 5 dB(A) or more through placement of a noise abatement measure.

f) Noise Abatement Measure – Any method used to reduce traffic noise levels, such as noise walls and earthen berms.

g) Worst Noise Hour – The hour within a day in which the highest magnitude hourly equivalent sound level occurs. The worst traffic noise hour typically occurs when traffic is flowing freely at a high volume relative to the peak traffic hour volume, with a high percentage of trucks.

h) Practicable – Available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.

INTRODUCTION

This document represents the North Carolina Department of Transportation (hereinafter NCDOT) policy on highway traffic noise and construction noise and describes the implementation of the requirements of the Federal Highway Administration (hereinafter FHWA) Noise Standard at 23 Code of Federal Regulations Part 772 (23 CFR 772) as they relate to federal-aid and select state-funded highway construction in North Carolina. This policy was developed by the NCDOT and reviewed and approved by the FHWA.

The North Carolina Department of Transportation Traffic Noise Manual and 23 CFR 772 are intended to be companion documents to this policy.

PURPOSE

This policy describes the NCDOT process that is used in determining traffic noise impacts and abatement measures and the equitable and cost-effective expenditure of public funds for noise abatement. Where the FHWA has given highway agencies flexibility in implementing the 23 CFR 772 standards, this policy describes the NCDOT approach to implementation.
**APPLICABILITY**

Projects with a Date of Public Knowledge on or after the effective date of this policy shall comply with the criteria of this policy.

**Federal–Aid Projects**

This policy applies to all "Type I" federal or federal-aid highway projects in the State of North Carolina, including federal projects that are administered by local public agencies. Therefore, this policy applies to any highway project that is funded with federal-aid highway funds or requires FHWA approval regardless of funding sources. NCDOT does not participate in nor fund Type II (retrofit) projects along existing transportation facilities. Noise analyses are not required for Type III projects. Each of these project types are defined below. This policy shall be applied uniformly and consistently to all Type I federal projects throughout North Carolina.

**Type I Project**

(a) The construction of a highway on new location; or,

(b) The physical alteration of an existing highway where there is either:
   (i) Substantial Horizontal Alteration. A project that halves the distance between the traffic noise source and the closest receptor between the existing condition to the future build condition; or,
   (ii) Substantial Vertical Alteration. A project that removes shielding, therefore exposing the line-of-sight between the receptor and the traffic noise source. This is done by either altering the vertical alignment of the highway or by altering the topography between the highway traffic noise source and the receptor; or,

(c) The addition of a through-traffic lane(s). This includes the addition of a through-traffic lane that functions as a HOV lane, High-Occupancy Toll (HOT) lane, bus lane, or truck climbing lane; or,

(d) The addition of an auxiliary lane, except for when the auxiliary lane is a turn lane; or,

(e) The addition or relocation of interchange lanes or ramps added to a quadrant to complete an existing partial interchange; or,

(f) Restriping existing pavement for the purpose of adding a through-traffic lane or an auxiliary lane; or,

(g) The addition of a new or substantial alteration of a weigh station, rest stop, ride-share lot or toll plaza.

(h) If a project is determined to be a Type I project under this definition then the entire project area as defined in the environmental document is a Type I project.

**Type II Project.**

A Federal or Federal-aid highway project for noise abatement on an existing highway. For a Type II project to be eligible for Federal-aid funding, the highway agency must develop and implement a Type II program in accordance with 23 CFR 772.7(e).
Type III Project

A Federal or Federal-aid highway project that does not meet the classifications of a Type I or Type II project. Type III projects do not require a noise analysis.

The highway traffic noise prediction requirements, noise analyses, noise abatement criteria, and requirements for informing local officials in 23 CFR 772 and this policy constitute the noise standards mandated by 23 U.S.C. 109(1). All federally-funded highway projects which are developed in conformance with this policy shall be deemed to be in accordance with the FHWA noise standards.

State-Funded Projects

Projects that are State funded do not use the federal project type designation for applicability.

This policy will apply to State funded projects located on a US or Interstate route that is full control of access where the project involves adding a through-traffic lane.

All other State-funded projects for which a State Environmental Assessment (EA) or State Environmental Impact Statement (EIS) is prepared will comply with the North Carolina Environmental Policy Act (SEPA) and the North Carolina Administrative Code. For these projects, noise barriers will be considered where practicable.

DATE OF PUBLIC KNOWLEDGE

The Date of Public Knowledge of the location and potential noise impacts of a proposed highway project is the approval date of the final environmental document, e.g., Categorical Exclusion (CE), State or Federal Finding of No Significant Impact (FONSI) or State or Federal Record of Decision (ROD).

NCDOT is not responsible for evaluating or implementing any noise barriers to protect developed lands that were not permitted before the Date of Public Knowledge.

The criterion for determining when undeveloped land is permitted for development is the approval date of a building permit for an individual lot or site. Approval of a development plat or any other development plan does not meet the permitted criteria.

NCDOT advocates use of local government authority to regulate land development, planning, design and construction in such a way that noise impacts are minimized.

TRAFFIC NOISE PREDICTION

All traffic noise analyses performed by or for NCDOT must utilize the most current version of the FHWA Traffic Noise Model (TNM®) or any other model determined by the FHWA to be consistent with the methodology of the TNM® model, pursuant to 23 CFR 772.9.

Average pavement type shall be used in the FHWA TNM® for future noise level prediction.

Noise contour lines may be used only for project alternative screening or for providing information to local officials for their land use planning efforts associated with undeveloped lands as per 23 CFR 772.17. Noise contours shall not be used for determining highway traffic noise impacts or assessing noise barriers.
Traffic characteristics that yield the worst noise hour equivalent traffic noise levels, expressed in Leq(h), for the Design Year shall be used in predicting noise levels and assessing noise impacts.

Traffic noise prediction must adhere to all direction contained in the NCDOT Traffic Noise Manual.

**NOISE IMPACT DETERMINATION**

Noise abatement measures for NCDOT highway projects must be considered when traffic noise impacts are created by either of the following two conditions:

(a) The predicted worst noise hour Leq(h) traffic noise levels for the Design Year approach (reach one decibel less than) or exceed the Noise Abatement Criteria (NAC) contained in 23 CFR 772 and in Table 1, found on page 4 of this policy, OR

(b) The predicted worst noise hour Leq(h) traffic noise levels for the Design Year substantially exceed existing noise by 10 dB(A) or more.

A receptor is a discrete or representative location within a noise sensitive area(s) for any of the land uses listed in Table 1. For multifamily dwellings, each residence shall be counted as one receptor when determining impacted and benefited receptors. Non-residential receptors shall be represented by Equivalent Receptors calculated according to direction contained in the NCDOT Traffic Noise Manual.

Primary consideration shall be given to exterior areas where frequent human use occurs in the determination of traffic noise impacts.

A traffic noise analysis shall be completed for each project alternative under detailed study and for all receptors and Equivalent Receptors defined to represent land use activities A, B, C, D, and E listed in Table 1 that are present in the study area. FHWA approval is required for designating a Category A Activity on federally-funded projects. Traffic noise analyses are not required for Activity Category F land uses. Noise predictions are required for Activity Category G land uses to the extent needed to develop estimated noise levels to provide to local officials for planning purposes.
### Table 1

**Noise Abatement Criteria**

Hourly Equivalent A-Weighted Sound Level (decibels (dB(A))

<table>
<thead>
<tr>
<th>Activity Category</th>
<th>Activity Criteria$^1$ Leq(h)$^2$</th>
<th>Evaluation Location</th>
<th>Activity Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>57</td>
<td>Exterior</td>
<td>Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.</td>
</tr>
<tr>
<td>B$^3$</td>
<td>67</td>
<td>Exterior</td>
<td>Residential</td>
</tr>
<tr>
<td>C$^3$</td>
<td>67</td>
<td>Exterior</td>
<td>Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, daycare centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings</td>
</tr>
<tr>
<td>D</td>
<td>52</td>
<td>Interior</td>
<td>Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios</td>
</tr>
<tr>
<td>E$^3$</td>
<td>72</td>
<td>Exterior</td>
<td>Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F</td>
</tr>
<tr>
<td>F</td>
<td>--</td>
<td>--</td>
<td>Agriculture, airports, bus yards, emergency services, industrial, logging maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing</td>
</tr>
<tr>
<td>G</td>
<td>--</td>
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<td>Undeveloped lands that are not permitted</td>
</tr>
</tbody>
</table>

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$^1$ The Leq(h) Activity Criteria values are for impact determination only, and are not design standards for noise abatement measures.

$^2$ The equivalent steady-state sound level which in a stated period of time contains the same acoustic energy as the time-varying sound level during the same time period, with Leq(h) being the hourly value of Leq.

$^3$ Includes undeveloped lands permitted for this activity category.
ANALYSIS OF NOISE ABATEMENT MEASURES

When traffic noise impacts are identified, noise abatement measures shall be considered and evaluated for feasibility for all impacted receptors and reasonableness for all benefited receptors. All of the following conditions must be met in order for noise abatement measures to be justified and incorporated into project design, as applicable. Failure to achieve any single element of feasibility or reasonableness will result in the noise abatement measure being deemed not feasible or not reasonable, whichever applies.

NCDOT will provide noise barriers for all possible impacted receptors that meet the feasibility and reasonableness criteria found in this policy. Noise barriers will not be extended solely to provide noise reduction for non-impacted receptors. Benefits for non-impacted receptors will only occur when they are incidental in noise barriers designed for impacted receptors.

Feasibility

The combination of acoustical and engineering factors considered in the evaluation of a noise barrier.

(a) Any receptor that receives a minimum noise level reduction of five dB(A) due to a noise barrier shall be considered a benefited receptor. Noise reduction of five dB(A) must be achieved for at least two impacted receptors.

(b) Engineering feasibility of noise barriers shall consider adverse impacts created by or upon property access, drainage, topography, utilities, safety, and maintenance requirements.

Reasonableness

The combination of social, economic, and environmental factors considered in the evaluation of a noise barrier.

(a) Property owners and tenants of all benefited receptors shall be solicited to obtain their preferences for or against a proposed noise barrier. No tenant ballots are distributed for vacant rental property. Points per ballot shall be distributed in the following weighted manner:

- 5 points/ballot for adjacent property owners who reside at property
- 4 points/ballot for adjacent property owners who rent property to others
- 3 points/ballot for all non-adjacent property owners who reside at property
- 2 points/ballot for all non-adjacent property owners who rent property to others
- 1 point/ballot vote for all tenants of rental property

Adjacent Receptor is a benefited receptor that 1) represents a property that abuts the highway right of way or 2) has no benefited receptor between it and the highway. Where multiple buildings containing benefited receptors are on the same property, such as an apartment or condominium complex, only the building closest to the highway is an adjacent receptor. Adjacent receptors will most often, but not always, be part of the front row of benefited receptors. Figure 1 provides graphic examples of Adjacent Receptors.

Owners of multi-unit rental locations will receive the applicable number of owner points for each individual benefited receptor (rental unit) owned.
If 50% or greater of all possible voting points from benefited receptors for each noise barrier are received on the first solicitation, a simple majority of voting points cast will be used to determine if the proposed noise barrier will be constructed.

If less than 50% of all possible points for each noise barrier are received on the first solicitation, a second solicitation will be sent to benefited receptors who did not respond to the first solicitation.

If a second solicitation is conducted and 50% or greater of all possible voting points for each noise barrier are received after the second solicitation, a simple majority of voting points cast will be used to determine whether or not the proposed noise barrier will be constructed.

If less than 50% of total possible points for a noise barrier are received after the second solicitation, the noise barrier will not be constructed.

Noise barriers will be constructed in the case of a tie (equal number of points for and against a noise barrier).

All balloting soliciting the viewpoints of benefited property owners and applicable residents/tenants that occurs after the effective date of this policy, regardless of the Date of Public Knowledge, shall comply with the criteria of this policy.
(b) The allowable quantities for noise barriers per benefitted receptor, with allowances for incremental increases based upon existing and predicted noise levels of all impacted receptors within each noise study area, are shown in Table 2.

For the purpose of calculating the incremental increase, the Noise Abatement Criteria (NAC) values for Activity Categories A, B, C, D, and E, as shown in Table 1, are to be used and not the NCDOT “approach” values used in traffic noise impact determinations.

<table>
<thead>
<tr>
<th>Table 2</th>
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<tbody>
<tr>
<td><strong>Allowable Noise Barrier Base Quantities</strong></td>
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<td>Maximum Allowable Base Quantity</td>
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<tr>
<td>Average dB(A) Increase Between Existing and Future Build for All Impacted Receptors</td>
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</table>

(c) A noise reduction design goal of at least 7 dB(A) must be evaluated for all benefited receptors. At least one benefitted receptor must achieve the noise reduction design goal of 7 dB(A) to indicate the proposed noise barrier effectively reduces traffic noise.

**Other Considerations**

Prior to CE approval or issuance of a FONSI or ROD, NCDOT shall identify in all applicable environmental documents:

(a) Noise barriers that are feasible and reasonable,

(b) Noise impacts for which no noise barrier appears to be feasible and reasonable;
(c) Locations where noise impacts will occur, where noise barriers are feasible and reasonable, and the locations that have no feasible and reasonable noise barriers.

(d) Whether it is “likely” or “unlikely” that noise barriers will be installed for each noise sensitive area identified. “Likely” does not mean a firm commitment. The final decision on the installation of noise barriers shall be made upon completion of the project design, the public involvement process, compliance with the NCDOT Policy, and FHWA approval.

**Third Party Participation**

(a) Third party funding of noise barriers cannot be used to make up the difference between the reasonable quantity allowance and the actual quantity of noise barriers. Third party funding is allowed only by local, state and federal government agencies, and can only be used to pay for additional features such as landscaping and aesthetic treatments for noise barriers that meet all feasible and reasonable criteria previously detailed in this policy. Private parties may freely enter into agreements with government agencies to develop noise barrier enhancements; however, all funding for enhancements paid to NCDOT must come from government agencies.

(b) Traditional highway construction resources pay for required noise barriers. Should a local government request that materials be used that are more costly than the standard materials proposed by NCDOT, the requesting entity must assume 100% of the actual additional construction cost.

(c) If a local government insists on the provision of a noise barrier deemed not reasonable by NCDOT, a noise barrier may be installed provided the local government assumes 100% of the costs and obtains an encroachment permit from NCDOT to perform the work. These costs include, but are not limited to, preliminary and final engineering, actual construction and all related maintenance. In addition, local governments must ensure that NCDOT’s material, design and construction specifications are met. The local government must also assume 100% of the liability associated with the measure and hold harmless the NCDOT.

(d) For (b) and (c) above, the settlement agreement shall be signed before third party noise barrier design begins and payment shall be made to NCDOT in accordance with N.C.G.S. 136-66.3(e).

**ARCHITECTURAL TREATMENT OF NOISE WALLS**

The standard noise wall architectural treatment consists of:

(a) Concrete columns; Steel piles may be used when necessary to address site conditions adverse to the use of concrete columns;

(b) Precast concrete panels textured on both sides;

(c) No texture on the uppermost foot of each wall segment;

(d) A single color of stain in brown or gray tones applied to both sides of textured panels;

(e) No stain applied to the uppermost foot of each wall segment and the concrete columns.

All enhancements to this standard noise wall must be paid for in accordance with Third Party Participation provisions in this policy.
NCDOT Division Engineers are responsible for determining noise wall textures and colors in their respective Divisions.

PUBLIC INVOLVEMENT

Communication with the community regarding noise impacts and possible noise abatement shall occur at the start of the noise study process and continue throughout the development of the project. NCDOT will communicate with citizens to present information on the nature of highway traffic noise and discuss the effects of noise abatement and how public preferences for noise abatement is solicited via a balloting process.

Noise study areas showing “likely” noise barriers and/or proposed locations of any “recommended” noise barriers will be presented and discussed when holding Public Hearings and Public Meetings. Likely noise barriers are based on preliminary design traffic noise analyses and are described in environmental documents. Recommended noise barriers are based on final design noise analyses and are usually identified after the environmental document is completed. Property owners and tenants who are being balloted for a recommended noise barrier will be provided a visual of the noise barrier location prior to their casting a ballot.

COORDINATION WITH LOCAL OFFICIALS

NCDOT will provide all traffic noise analyses to local government officials within whose jurisdiction a highway project is proposed as early in the project planning process as possible to protect future development from becoming incompatible with traffic noise levels. Specifically, environmental documents and design noise reports will contain information identifying areas that may be impacted by traffic noise, predicted noise level contour information, the best estimation of future noise levels for developed and undeveloped lands or properties in the immediate vicinity of the project and other appropriate design information. If requested, NCDOT will assist local officials with coordination and distribution of this information to residents, property owners and developers. NCDOT will provide information to assist local jurisdictions in the development of local noise controls, when requested. NCDOT strongly advocates the planning, design and construction of noise-compatible development and encourage its practice among planners, building officials, developers and others.

CONSTRUCTION NOISE

To minimize the impacts of construction noise on the public, NCDOT shall:

(a) Identify land uses or activities that may be affected by noise from construction of the project.

(b) Determine the measures that are needed in the plans and specifications to minimize or eliminate adverse construction noise impacts to the community. This determination shall consider the benefits achieved and the overall adverse social, economic, and environmental effects and costs of the abatement measures.

(c) Consider construction techniques and scheduling to reduce construction noise impacts to nearby receptors and incorporate the needed abatement measures in the project plans and specifications.
FEDERAL PARTICIPATION

The costs of noise barriers may be included in federal-aid participating project costs with the federal share being the same as that for the system on which the project is located when:

(a) Traffic noise impacts have been identified; and

(b) Noise barriers have been determined to be feasible and reasonable pursuant to 23 CFR 772 and this policy.

REVIEW OF POLICY

This policy shall be reviewed by the NCDOT Board of Transportation at least every five years.