

I N D E X

BOARD OF TRANSPORTATION MEETING

MAY 31, 2018

	<u>Page No.</u>
Call to Order	6122
Ethics Statement	6122
Approval – Minutes of the May 31, 2018 Board Meeting	6122
Resolution for the North Carolina Agriculture and Technical State University HBCU Division One Football National Championship	6122
Secretary's Remarks	6123
<u>Information and Delegated Authority Items</u>	
Approval of Projects	6124
Pavement Markings in NC	6124
Drone Summit Overview	6125
Approval – Award of Highway Construction Contracts from May 2018 Letting	6126
Approval – Award of Contracts to Private Engineering Firms for Engineering Services	6147
Approval – Funds for Secondary Road Improvement Projects – Highway Fund and Highway Trust Fund	6150
Approval – Funds for Division-wide Small Construction, Statewide Contingency, Public Access and Economic Development	6151
Approval – Funds for Specific Spot Safety Improvement Projects	6155
<u>Action Items</u>	
Approval – Additions, Abandonments, and Road Name Changes to State Secondary Road System	6165
Approval – Public Transportation	6168
Approval - Public Transportation	6173
Approval – Rail Program	6175
Approval – Bike & Pedestrian Program	6177

Approval – Aviation Program	6178
Approval – Strategic Transportation Investment Funds	6180
Approval – Funds for Specific Federal-Aid Projects	6204
Approval – Revisions to the 2018-2027 STIP	6227
Approval – Municipal and Special Agreements	6243
Approval – Municipal Street System Changes	6259
Approval – Preliminary Right of Way Plans	6261
Approval – Final Right of Way Plans	6263
Approval – Revisions of the Final Right of Way Plans	6265
Approval – Conveyance of Highway Right of Way Residues	6266
Approval – Conveyance of Surplus Highway Right of Way	6267
Approval – Revision in Control of Access	6269
Approval – Assignment of Permanent Easement	6270
Approval- Private Bridge on Highway Right of Way	6271
Approval – Advanced Acquisition of Highway Right of Way	6272
Approval - Advance Acquisition of Highway Right of Way (Complex Relocation)	6273
Approval - Advance Acquisition of Highway Right of Way (Department Directed Total Acquisition)	6276
Approval – Conveyance of Highway Right of Way Residues by Real Estate Agent and/or Auctioneer per House Bill 501 Pilot Program	6278
Approval – Submission of Comprehensive Transportation Plans for Mutual Adoption by the Board of Transportation	6282
Committee Reports	6285
Adjournment	6285

BOARD OF TRANSPORTATION MEETING

May 31, 2018

Call to Order

Chairman Fox called the meeting of the Board of Transportation to order at 9:00 a.m. on Thursday, May 31, 2018, in Raleigh, North Carolina with the following members present: Moran, Overholt, Zimmer, Tulloss, Jordan, Hunt, Molamphy, Perkins, Wells, Tarleton, Pope, Clarke and Debnam.

No Board Members called in to the meeting.

Board Members Szlosberg-Landis, Hutchens and Lathrop were absent.

Ethics Statement

Chairman Fox read the Ethics Statement advising any Board Member that may have any 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 May 3, 2018 Board Meeting

The minutes of the May 3, 2018, Board of Transportation meeting were unanimously approved upon a motion by Board Member Clarke, seconded by Board Member Perkins.

Road and Bridge Naming Honorary Designations

Chairman Fox welcomed all guests and proceeded with the Road and Bridge Naming Honorary Designations.

Resolution for the North Carolina Agriculture and Technical State University HBCU Division One Football National Championship

Board Member Perkins presented a resolution for the North Carolina Agriculture and Technical State University HBCU Division One Football National Championship signs. The

resolution was unanimously approved upon a motion by Board Member Perkins, and seconded by Board Member Pope. (Resolution is at the end of this document.)

Secretary's Remarks

Secretary Trogon welcomed the Board Members and noted that it looks like we will finally get some relief from all the rain we've received, especially in the western part of the state.

Secretary Trogon thanked everyone who has been responding to the recent flooding and mudslides that resulted from the rain. He mentioned that, numerous roads are closed due to high water or mudslides spanning from Cherokee County and Surry County. He stated that a section of I-40 near Buncombe/McDowell County lines were closed Tuesday night due to a mudslide. He also stated that crews worked to assist stranded motorists and was working diligently to clear the mud from the road, and although NCDOT warn motorists about dangerous driving conditions, motorists sometimes forget how dangerous it can be for NCDOT crews responding to weather events.

He mentioned that two of our McDowell County employees were working to clear a mudslide when another mudslide occurred and pushed the tandem dump truck they were in off the road into the Catawba River. He stated that the truck landed on its side and the employees were able to climb out through a passenger window and stand on the side of the truck until emergency crews could rescue them. Thankfully the employees are ok, but Tuesday night reminded us of how dangerous it can be on our Transportation workers as well. He also stated that NCDOT crews will continue to work on clearing roads, assess damages and make repairs due to the recent mudslides. He noted that Governor Cooper has declared a state of emergency and Governor Cooper is visiting the area to survey damage and to thank emergency responders and transportation crews.

Secretary Trogon announced that he had several awards to present to recognize some of the great work of our employees and he quickly gave an update on Build NC which he mentioned Senate Bill 758 and House Bill 1010 have been introduced for the Build NC Bond Act of 2018.

Secretary Trogon recognized several employees with Extra Mile awards for going above and beyond the call of duty from the following Divisions:

- Division 8 Randolph County Maintenance - James Bittle, Luke Teague, Norman Hall and Salvador Escobar
- Division 5 Wake County Maintenance – Jason Dunigan
- Division 8 Roadside Environmental - Bradley Hussey, Katelyn Marley and Chasity Reed

Secretary Trogon recognized State Employee Combined Campaign Award Winners from the following Divisions and presented them with a plaque:

- Divisions 9 and 10 for their outstanding contribution to the 2017 State Employee Combined Campaign.
- Scott Cole and the Division 10 SECC team raised \$15,282.
- Pat Ivey and the Division 9 team had the highest employee participation percentage at 31%.

In addition, DOT was awarded a “Champions in Giving” designation for overall increase in dollars raise or number of donors.

INFORMATION AND DELEGATED AUTHORITY ITEMS

Approval of Projects

Items C, D, E H and L are delegated to the Secretary and require no formal action by the Board.

Item C: Action is being delayed on one project to allow additional time for review of the bids and all remaining projects were awarded by the Secretary to the low bidder.

Pavement Markings in NC

A presentation was presented by State Traffic Engineer, Kevin Lacy on Pavement Markings in NC. No action was taken by the Board.

Drone Summit Overview

A presentation was presented by Bobby Walston, Aviation Director and Basil Yap, UAS Program Manager on the Drone Summit Overview. No action was taken by the Board.

ACTION ITEMS

Approval – Resolution to approve the Division of Mitigation Services Biennial Budget for Fiscal Years 2018-2019 and 2019-2020

A motion was made by Board Member Debnam and seconded by Board Member Clarke to approve the Division of Mitigation Services Biennial Budget for Fiscal years 2018-2019 and 2019-2020 in the amount of \$98,114,355 (The action statement is attached at the end of the minutes.)

Approval of Projects

A motion was made by Board Member Tarleton and seconded by Board Member Perkins to approve all projects for items G, I (I-1, I-1A, I-2, I-3, I-4), K, M, N, O, P, R, and T (excluding items C, D, E, H, and L as they are delegated authority items and require no Board action.)

Approval – Award of Highway Construction Contracts in May 2018 Letting

Project were awarded by the Secretary to the low bidder on all projects.

NCDOT Board of Transportation Agenda

ITEM C

May 2018

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

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00001

ITEM C

C204171
15BPR.7

STATE FUNDED
CURRITUCK

05/15/2018

PROPOSAL LENGTH 0.48 MILES
TYPE OF WORK BRIDGE PRESERVATION
LOCATION BRIDGE # 15 ON US-158 OVER INTRACOASTAL WATERWAY.

EST CONST PROGRESS.... FY-2019..89% OF BID
FY-2020..11% OF BID

RPN 001 5 BIDDER(S) DBE GOAL 0%
ESTIMATE 7,734,587.86

DATE AVAILABLE JUL 02 2018
INTER COMPLETION COMPLETE ALL BRIDGE DECK OVERLAY, JOINT REPLACEMENT, AND SUBSTRUCTURE
REPAIRS IN (159) CONS. CALENDAR DAYS
FINAL COMPLETION OCT 01 2019

	\$ TOTALS	% DIFF
FREYSSINET, INC STERLING, VA	5,951,884.11	-23.0
AMERICAN CIVIL CONSTRUCTORS WEST COAST LLC BENICIA, CA	6,719,419.15	-13.1
COASTAL GUNITE CONSTRUCTION COMPANY CAMBRIDGE, MD	6,739,181.83	-12.9
FLATIRON CONSTRUCTORS INC MORRISVILLE, NC	7,078,621.25	-8.5
CEKRA INC WILMINGTON, NC	7,570,709.57	-2.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00003

ITEM C

C204185

15BPR.25, 2018CPT.03.22.10101, 2018CPT.03.22.20101

STATE FUNDED
BRUNSWICK

05/15/2018

PROPOSAL LENGTH 6.3 MILES
TYPE OF WORK MILLING, RESURFACING, GUARDRAIL, AND BRIDGE PRESERVATION.
LOCATION BRIDGE #14 ON NC-133 OVER THE INTRACOASTAL WATERWAY, 1 SECTION OF NC-133, AND 1
SECTION OF SR-1190.
EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 002 3 BIDDER(S) DBE GOAL 1.00 %
ESTIMATE 12,938,209.05

DATE AVAILABLE JUN 25 2018
INTER COMPLETION APR 15 2019 COMPLETE ALL WORKED REQUIRED OF PHASE VII
FINAL COMPLETION JUN 21 2019

	\$ TOTALS	% DIFF
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNC.	15,802,512.70	+22.1
PCL CIVIL CONSTRUCTORS INC RALEIGH, NC	15,862,492.28	+22.6
CAROLINA BRIDGE CO INC ORANGEBURG, SC	16,522,231.55	+27.7

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00005

ITEM C

C204168

2018CPT.05.17.20321.1, 2018CPT.05.17.20921.1

STATE FUNDED
DURHAM, WAKE

05/15/2018

PROPOSAL LENGTH 15.188 MILES
TYPE OF WORK MILLING, RESURFACING, SHOULDER RECONSTRUCTION, AND SIGNALS.
LOCATION 14 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2019..83% OF BID
FY-2020..17% OF BID

RPN 003 4 BIDDER(S) DBE GOAL 10.00 %
ESTIMATE 5,790,908.09

DATE AVAILABLE JUL 01 2018
INTER COMPLETION AUG 24 2018 COMPLETE ALL WORK REQUIRED OF MAP #9
FINAL COMPLETION NOV 30 2019

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC RALEIGH, NC	5,334,770.46	-7.9
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	5,532,731.17	-4.5
THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT	5,596,250.65	-3.4
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	5,866,452.15	+1.3

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00005

ITEM C

C204167

2018CPT.05.23.20321.1, 2018CPT.05.23.20322.1

STATE FUNDED
DURHAM

05/15/2018

PROPOSAL LENGTH 24.77 MILES
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
LOCATION 51 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2019..81% OF BID
FY-2020..19% OF BID

RPN 004 2 BIDDER(S) DBE GOAL 10.00 %
ESTIMATE 4,634,235.00

DATE AVAILABLE AUG 01 2018
INTER COMPLETION NOV 30 2018 COMPLETE ALL WORK REQUIRED OF MAP #1
FINAL COMPLETION NOV 30 2019

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC RALEIGH, NC	4,355,108.47	-6.0
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	4,883,256.22	+5.4

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00005

ITEM C

C204097
42301.3.1

STATE FUNDED
WAKE, FRANKLIN
B-5140
05/15/2018

PROPOSAL LENGTH 0.13 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.
LOCATION BRIDGE #195 OVER MOCASSIN CREEK ON SR-1001.

EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 005 6 BIDDER(S) DBE GOAL 4.00 %
ESTIMATE 863,301.79

DATE AVAILABLE JUN 25 2018
INTER COMPLETION DEC 01 2018 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION MAY 30 2019

	\$ TOTALS	% DIFF
NATIONAL BRIDGE BUILDERS LLC KERNERSVILLE, NC	842,107.40	-2.5
UNITED CONTRACTORS, INC. DBA UNITED CONTRACTORS INC. OF IOWA JC	890,471.10	+3.1
ST WOOTEN CORPORATION WILSON, NC	900,176.81	+4.3
SMITH-ROWE, LLC MOUNT AIRY, NC	931,104.02	+7.9
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	954,459.00	+10.6
DANE CONSTRUCTION INC MOORESVILLE, NC	957,678.08	+10.9

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00005

ITEM C

C204098
42336.3.1

BRZ-1162 (6)
WAKE
B-5161
05/15/2018

PROPOSAL LENGTH 0.237 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.
LOCATION BRIDGE #362 OVER BEAVER CREEK ON SR-1162.

EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 006 6 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 2,184,498.26

DATE AVAILABLE JUL 17 2018 THRU MAR 15 2019
INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT
VEGETATION ESTABLISHMENT 225 DAYS AFTER START DATE
FINAL COMPLETION 405 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	2,324,232.00	+6.4
NATIONAL BRIDGE BUILDERS LLC KERNERSVILLE, NC	2,386,800.34	+9.3
DANE CONSTRUCTION INC MOORESVILLE, NC	2,414,679.50	+10.5
ST WOOTEN CORPORATION WILSON, NC	2,472,070.44	+13.2
W C ENGLISH INCORPORATED LYNCHBURG, VA	2,629,017.30	+20.3
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNC.	2,882,602.85	+32.0

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00005

ITEM C

C204099
46034.3.1

BRZ-1139(4)
GRANVILLE
B-5320
05/15/2018

PROPOSAL LENGTH 0.144 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.
LOCATION BRIDGE #96 OVER THE TAR RIVER ON SR-1139.

EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 007 6 BIDDER(S) DBE GOAL 5.00 %
ESTIMATE 1,789,650.05

DATE AVAILABLE AUG 28 2018 THRU MAR 15 2019
INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT
VEGETATION ESTABLISHMENT 240 DAYS AFTER START DATE
FINAL COMPLETION 420 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
NATIONAL BRIDGE BUILDERS LLC KERNERSVILLE, NC	1,632,361.95	-8.8
DANE CONSTRUCTION INC MOORESVILLE, NC	1,722,260.86	-3.8
ST WOOTEN CORPORATION WILSON, NC	1,778,547.50	-0.6
SMITH-ROWE, LLC MOUNT AIRY, NC	1,865,546.50	+4.2
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	1,889,881.00	+5.6
ENGLISH CONSTRUCTION CO INC LYNCHBURG, VA	1,971,762.00	+10.2

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00007

ITEM C

C204101
46066.3.1

BRNHS-0220(67)
ROCKINGHAM
B-5352
05/15/2018

PROPOSAL LENGTH 0.812 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.
LOCATION BRIDGE #131 OVER NORFOLK SOUTHERN RAILROAD ON US-220 NBL.

EST CONST PROGRESS.... FY-2019..87% OF BID
FY-2020..13% OF BID

RPN 008 5 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 3,293,062.70

DATE AVAILABLE JUN 25 2018
INTER COMPLETION OCT 15 2019 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION APR 12 2020

	\$ TOTALS	% DIFF
SMITH-ROWE, LLC MOUNT AIRY, NC	3,662,676.81	+11.2
DANE CONSTRUCTION INC MOORESVILLE, NC	3,857,323.20	+17.1
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNC.	3,999,478.74	+21.5
ENGLISH CONSTRUCTION CO INC LYNCHBURG, VA	4,248,154.86	+29.0
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	4,856,546.54	+47.5

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00007

ITEM C

*RELET FROM 3/20/2018

C204183
53057.3.1

NHPIM-0085(6)126
GUILFORD
I-5853
05/15/2018

PROPOSAL LENGTH 1.874 MILES
TYPE OF WORK PAVEMENT REHABILITATION.
LOCATION I-85 FROM 1 MILE SOUTH OF SR-1129 TO 0.3 MILES NORTH OF SR-1129 IN GREENSBORO.

EST CONST PROGRESS.... FY-2019..96% OF BID
FY-2020..04% OF BID

RPN 009 2 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 4,762,649.69

DATE AVAILABLE JUN 25 2018
FINAL COMPLETION AUG 01 2019

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	5,109,712.75	+7.3
SHARPE BROTHERS A DIVISION OF VECELLIO & GROGAN INC GREENSBOF	5,449,215.63	+14.4

MARCH 20, 2018 LETTING

53057.3.1
 NHPIM-0085(6)126
 GUILFORD
 I-5853
 RPN 009

PAVEMENT REHABILITATION.

DATE AVAILABLE APR 30 2018
 FINAL COMPLETION OCT 01 2018

ENGINEER'S ESTIMATE

\$3,636,582.84

SHARPE BROTHERS A DIV OF VECELLIO & GROGAN, INC.

\$ TOTALS	% DIFF
5,196,540.17	+42.9

MAY 15, 2018 LETTING

53057.3.1
 NHPIM-0085(6)126
 GUILFORD
 I-5853
 RPN 009

PAVEMENT REHABILITATION.

DATE AVAILABLE JUN 25 2018
 FINAL COMPLETION AUG 01 2019

ENGINEER'S ESTIMATE

\$4,762,649.69

BLYTHE CONSTRUCTION INC
 SHARPE BROTHERS A DIV OF VECELLIO & GROGAN, INC.

\$ TOTALS	% DIFF
5,109,712.75	+7.3
5,449,215.63	+14.4

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00008

ITEM C

C204172

2018CPT.08.11.10631, 2018CPT.08.11.20631

STATE FUNDED
MOORE

05/15/2018

PROPOSAL LENGTH 51.265 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION 1 SECTION OF US-1, NC-22, NC-5, US-1BUS, AND NC-211, 2 SECTIONS OF NC-705, AND 24 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2019..96% OF BID

FY-2020..04% OF BID

RPN 010 2 BIDDER(S) DBE GOAL 8.00 %

ESTIMATE 9,051,471.08

DATE AVAILABLE JUN 25 2018

FINAL COMPLETION AUG 01 2019

	\$ TOTALS	% DIFF
RILEY PAVING INC CARTHAGE, NC	8,058,857.51	-11.0
ST WOOTEN CORPORATION WILSON, NC	8,396,469.35	-7.2

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00008

ITEM C

C204169
2018CPT.08.12.10761, 2018CPT.08.12.20761

STATE FUNDED
RANDOLPH

05/15/2018

PROPOSAL LENGTH 65.591 MILES
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
LOCATION 3 SECTIONS OF US-421, 6 SECTIONS OF US-220 BUS, AND 51 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 011 2 BIDDER(S) DBE GOAL 7.00 %
ESTIMATE 13,127,720.43

DATE AVAILABLE JUN 25 2018
INTER COMPLETION AUG 04 2018 COMPLETE THE RESURFACING OPERATIONS ALONG MAPS #16 & #25
FINAL COMPLETION JUN 30 2019

	\$ TOTALS	% DIFF
RILEY PAVING INC CARTHAGE, NC	12,351,234.00	-5.9
SHARPE BROTHERS A DIVISION OF VECELLIO & GROGAN INC GREENSBOF	13,340,660.96	+1.6

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00008

ITEM C

C204170

2018CPT.08.13.10621, 2018CPT.08.13.10771, 2018CPT.08.13.20621, 2018CPT.08.13.20771, 47774, 47775

STATE FUNDED
MONTGOMERY, RICHMOND

05/15/2018

PROPOSAL LENGTH 33.225 MILES
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
LOCATION 2 SECTIONS OF NC-109 BUS, 1 SECTION OF NC-24/27, 4 SECTIONS OF NC-73, AND 7 SECTIONS OF
SECONDARY ROADS.
EST CONST PROGRESS.... FY-2019..96% OF BID
FY-2020..04% OF BID

RPN 012 3 BIDDER(S) DBE GOAL 7.00 %
ESTIMATE 5,330,849.70

DATE AVAILABLE JUN 25 2018

FINAL COMPLETION AUG 01 2019

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	4,910,882.73	-7.9
RILEY PAVING INC CARTHAGE, NC	5,079,095.38	-4.7
HUDSON PAVING INC ROCKINGHAM, NC	5,747,029.93	+7.8

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00010

ITEM C

C204173

2018CPT.10.11.10601.1, 2018CPT.10.11.10601.2, 2018CPT.10.11.10601.3, 2018CPT.10.11.10601.4, 2018CPT.10.11.20601.1, 2018CPT.10.11.20601.10, 2018CPT.10.11.20601.2, 2018CPT.10.11.20601.3, 2018CPT.10.11.20601.4, 2018CPT.10.11.20601.5, 2018CPT.10.11.20601.6, 2018CPT.10.11.20601.7, 2018CPT.10.11.20601.8, 2018CPT.10.11.20601.9, 2018CPT.10.11.20602.1

STATE FUNDED
MECKLENBURG

05/15/2018

PROPOSAL LENGTH 23.29 MILES
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
LOCATION 1 SECTION OF US-21, 1 SECTION OF US-29, 1 SECTION OF NC-16, 1 SECTION OF NC-27, AND 18
SECTIONS OF SECONDARY ROADS.
EST CONST PROGRESS.... FY-2019..89% OF BID
FY-2020..11% OF BID

RPN 013 3 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 7,090,037.77

DATE AVAILABLE JUN 25 2018
INTER COMPLETION AUG 30 2019 COMPLETE FDR OPERATIONS ON MAP #16.
SEP 30 2019 COMPLETE ASPHALT OVERLAY ON MAP #16
FINAL COMPLETION SEP 30 2019

	\$ TOTALS	% DIFF
BLYTHE BROTHERS ASPHALT CO LLC CHARLOTTE, NC	7,766,845.86	+9.5
THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT	8,044,873.61	+13.5
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	8,280,757.21	+16.8

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00010

ITEM C

C204166

2019CPT.10.04.20901.1, 2019CPT.10.04.20901.2, 2019CPT.10.04.20901.3, 2019CPT.10.04.20901.4, 2019CPT.10.04.20901.5,
2019CPT.10.04.20901.6, 2019CPT.10.04.20901.7, 2019CPT.10.04.20901.8, 2019CPT.10.04.20901.9

STATE FUNDED
UNION

05/15/2018

PROPOSAL LENGTH 14.2 MILES
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
LOCATION 28 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 014 2 BIDDER(S) DBE GOAL 5.00 %
ESTIMATE 3,059,739.37

DATE AVAILABLE JUN 25 2018
INTER COMPLETION OCT 20 2018 COMPLETE ASPHALT OVERLAY ON MAPS #6 THRU #28
FINAL COMPLETION JUN 20 2019

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	3,016,194.30	-1.4
LYNCHES RIVER CONTRACTING INC PAGELAND, SC	3,457,974.05	+13.0

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00010

ITEM C

C203790
32638.3.1

BRZ-1627(13)
ANSON
B-2506
05/15/2018

PROPOSAL LENGTH 0.294 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.
LOCATION BRIDGE #8 OVER BROWN CREEK ON SR-1627.

EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 015 7 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 1,150,030.75

DATE AVAILABLE SEP 15 2018 THRU MAR 15 2019
INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT
VEGETATION ESTABLISHMENT 210 DAYS AFTER START DATE
FINAL COMPLETION 390 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
NATIONAL BRIDGE BUILDERS LLC KERNERSVILLE, NC	1,175,806.51	+2.2
SMITH-ROWE, LLC MOUNT AIRY, NC	1,239,597.11	+7.8
DELLINGER INC MONROE, NC	1,243,172.54	+8.1
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	1,291,982.08	+12.3
LEE CONSTRUCTION COMPANY OF THE CAROLINAS INC PINEVILLE, NC	1,299,043.73	+13.0
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNC.	1,349,981.37	+17.4
DANE CONSTRUCTION INC MOORESVILLE, NC	1,355,568.76	+17.9

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00010

ITEM C

C204117
50468.3.1

NHPIM-0077(013)
MECKLENBURG
I-5825
05/15/2018

PROPOSAL LENGTH 4.825 MILES
TYPE OF WORK PAVEMENT REHABILITATION AND STRUCTURE REHABILITATION.
LOCATION I-77 FROM PAVEMENT JOINT AT MM-5.3 NORTH OF TYVOLA RD TO BRIDGE DECK AT MM-9.8 OVER W.
MOREHEAD ST.
EST CONST PROGRESS.... FY-2019..93% OF BID
FY-2020..07% OF BID

RPN 017 2 BIDDER(S) DBE GOAL 5.00 %
ESTIMATE 10,417,107.67

DATE AVAILABLE JUN 25 2018
FINAL COMPLETION SEP 01 2019

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	12,826,040.30	+23.1
THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT	13,248,071.43	+27.2

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00010

ITEM C

C204058
44475.3.6, 44475FHWA.3.1

STATE FUNDED, STBGDA-1001(79)
MECKLENBURG
P-5705BA, P-5705BB
05/29/2018

PROPOSAL LENGTH 0.742 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, STRUCTURES, AND ARCHITECTURE.
LOCATION CHARLOTTE GATEWAY STATION.

EST CONST PROGRESS.... FY-2019..42% OF BID
FY-2020..32% OF BID
FY-2021..21% OF BID
FY-2022..05% OF BID

RPN 001 5 BIDDER(S) DBE GOAL 2.00 %
ESTIMATE 45,250,350.73

DATE AVAILABLE JUL 09 2018
INTER COMPLETION OCT 29 2021 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, AND
PERMANENT VEGETATION ESTABLISHMENT
SEP 24 2021 COMPLETE ALL WORK REQUIRED OF SUB-BALLAST LAYER AND FINISHED
ROADBED FROM -S1- STA. 18+00 TO -S1- STA. 35+77
SEP 10 2021 COMPLETE ALL WORK REQUIRED FROM -S1- STA. 19+68 TO -S1- STA.
30+86, INCLUDING HIGH-LEVEL PLATFORM, ETC.
APR 01 2021 COMPLETE ALL WORK REQUIRED FROM -S1- STA. 18+00 TO -S1- STA.
22+97, INCLUDING 5TH STREET BRIDGES, ETC.
OCT 31 2020 COMPLETE ALL WORK REQUIRED FROM -S1- STA. 22+61 TO -S1- STA.
28+76, INCLUDING TRADE STREET BRIDGES, ETC.
AUG 28 2020 COMPLETE ALL WORK REQUIRED FROM -S1- STA. 28+48 TO -S1- STA.
35+77, INCLUDING BENT 2 / ABUTMENT 2 OF 4TH ST. BRIDGES, ETC
JUN 25 2021 COMPLETE ALL WORK REQUIRED FROM -S1- STA. 41+81 TO -S1- STA.
49+17, INCLUDING P&N BRIDGE, ETC.
JUL 10 2020 COMPLETE ALL WORK REQUIRED OF STRUCTURE #8 (P&N BRIDGE),
RETAINING WALL #9, ETC.
AUG 28 2020 COMPLETE ALL WORK REQUIRED FROM -S1- STA. 10+00 TO -S1- STA.
18+00, AND FROM -S1- STA. 35+77 TO -S1- STA. 42+00
FINAL COMPLETION APR 27 2022

	\$ TOTALS	% DIFF
CROWDER CONSTRUCTION COMPANY CHARLOTTE, NC	48,567,961.72	+7.3
BALFOUR BEATTY INFRASTRUCTURE INC WILMINGTON, NC	51,878,837.04	+14.6
PCL CIVIL CONSTRUCTORS INC RALEIGH, NC	55,205,562.77	+22.0
CONTI ENTERPRISES, INC EDISON, NJ	55,416,757.00	+22.5

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018

ITEM C

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	61,055,577.14	+34.9

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MAY, 2018
DIVISION 00014

ITEM C

C204079
46122.3.1

BRZ-1311(13)
POLK
B-5407
05/15/2018

PROPOSAL LENGTH 0.067 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURE.
LOCATION BRIDGE #34 OVER WALNUT CREEK ON SR-1311.

EST CONST PROGRESS.... FY-2019..100% OF BID

RPN 018 8 BIDDER(S) DBE GOAL 4.00 %
ESTIMATE 893,442.01

DATE AVAILABLE JUN 25 2018 THRU MAR 15 2019
INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT
VEGETATION ESTABLISHMENT 180 DAYS AFTER START DATE
FINAL COMPLETION 360 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
APPLE TUCK & ASSOCIATES INC RUTHERFORDTON, NC	722,700.05	-19.1
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	746,435.68	-16.5
PALMETTO INFRASTRUCTURE INC GREENVILLE, SC	757,045.00	-15.3
DANE CONSTRUCTION INC MOORESVILLE, NC	818,023.17	-8.4
BUCKEYE BRIDGE LLC CANTON, NC	859,852.30	-3.8
NHM CONSTRUCTORS LLC ASHEVILLE, NC	905,188.55	+1.3
LEE CONSTRUCTION COMPANY OF THE CAROLINAS INC PINEVILLE, NC	972,021.64	+8.8
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	997,771.17	+11.7

ESTIMATE TOTAL	139,361,852.00	
LETTING TOTAL	144,411,889.63	+3.6

**NCDOT June 2018
Board of Transportation Agenda**

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

Professional Services Management

Chief Deputy Secretary

Transportation Planning Division

Planning and Forecasting

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

Chief Operating Officer

Chief Engineer

Deputy Chief Engineer

Materials and Tests Unit

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:	2017 Inspection, Testing, and Analysis of Materials and Pavements LSC
Firm:	Summit Design and Engineering Services PLLC, Hillsborough, NC
Original Engineering Fee:	\$1,400,000.00
Supplemental Fee:	\$3,500,000.00
SPSF Utilization:	100%

Field Support

Right of Way Unit

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:	2016-2018 On-Call Right of Way Services LSC
Firm:	Right of Way Consultants LLC, Winston-Salem, NC
Original Engineering Fee:	\$5,000,000.00
Supplemental Fee:	\$1,000,000.00
SPSF Utilization:	0%

Technical Services

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 13

Project:	32573.1.9 (A-0010) and 38369.1.2 (B-4443) Buncombe County I-26 (US 19/23) from I-240 in Asheville to Tennessee State Line at Sams Gap & Replace Bridges 345 & 346 over SR 1839 on US 19/23, US 25, & US 70
Scope of Work:	Preparation of environmental documents and preliminary design
Estimated Construction Cost:	\$195,200,000.00
Firm:	AECOM Technical Services of North Carolina Inc, Chicago, IL (formerly URS Corporation – North Carolina)
Original Engineering Fee:	\$1,250,000.00
Previous Supplemental Fee:	\$750,000.00
Supplemental Fee:	Time extension only (2 years)
Supplemental Work:	Completion of work
SPSF Utilization:	N/A

Design-Build

The Secretary of Transportation awarded a Design-Build contract in March 2018 for the future I-74 – Winston Salem Northern Beltway from west of the NC-66/SR-4000 (University Pkwy) to US-311 (New Walkerton Rd). In accordance with the policies and procedures adopted by the Board, a Design-Build team who was not awarded the project can request payment of a stipend to recover part of the expense of preparation of their proposal. We have received a request for payment of the stipend from the following firm. This is for information only.

DIVISION 9

Project:	(34839.3.GV7) (U-2579DEF)
Firm:	The Lane Construction Corporation, Cheshire, CT
Stipend Amount:	\$75,000.00
SPSF Utilization:	0%

**NCDOT June 2018 BOARD OF TRANSPORTATION AGENDA
Secondary Road Improvement Projects (Highway and Trust Funds)**

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

Div / County	SR No. / Road Name	Description	Amount
Div 3 Onslow	SR 1313 Mills Field Road	Grade, Base, Drain & Pave Increase Funds WBS 3C.067068	\$4,109.10
Div 4 Halifax	SR 1430 Walnut Grove Road	Grade, Base, Drain & Pave Establish Funds WBS 4C.042077	\$45,000.00
Div 4 Johnston	SR 2135 Old Creech Road	Grade Drain Base and Pave Increase Funds WBS 4C.051142	\$383,571.43
Div 4 Johnston	SR 2398 Industrial Park Drive	Widen From US 70 to Venture Drive Increase Funds WBS 4C.051120	\$1,853.77
Div 6 Cumberland	SR 3994 Hasley Loop Road	Grade, Base, Drain & Pave Establish Funds WBS 6C.026081	\$93,284.88
Div 6 Harnett	SR 2488 McFayden Drive	Grade, Base, Drain & Pave Increase Funds WBS 6C.043121	\$71,548.00
Div 7 Rockingham	Various Routes	Countywide Surveys and Plans Increase Funds WBS 7C.079034	\$25,000.00
Div 13 McDowell	SR 1440 Huskins Branch Road	Grade, Base, Drain & Pave Establish Funds WBS 13C.059089	\$103,571.43
Div 14 Henderson	SR 1130 Shoals Falls Road	Grade, Base, Drain & Pave Establish Funds WBS 14C.045166	\$275,000.00
Div 14 Transylvania	SR 1152 Upper Whitewater Road	Grade, Base, Drain & Pave Establish Funds WBS 14C.088080	\$153,571.43
Statewide	Various Routes	Preliminary Engineering and Right of Way Acquisition Increase Funds WBS 44170	\$598,199.31

Summary of Actions

Number	Actions	Amount
5	Projects to Establish Funds	\$670,427.74
6	Projects to Increase Funds	\$1,084,281.61

NCDOT JUNE 2018 BOARD OF TRANSPORTATION AGENDA**Funds Request****Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development, High Impact/Low Cost**

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

County	Description	Type	Amount
Div 2 Craven	City of New Bern – Roadway improvements including widening, repair, and resurface on SR 1111 (Old Airport Rd) from Taberna Circle to County Line Rd WBS 49027	Contingency <hr/> TOTAL	\$250,000.00 <hr/> \$250,000.00
Div 3 Brunswick	WBS 47425 was established (06/17) for the installation of traffic signal at the intersection of NC-211 and SR 1112 (Sunset Harbor Rd) and construct associated northbound right turn lane on SR 1112 (Sunset Harbor Rd) onto NC-211 Increase funds	Contingency <hr/> TOTAL	\$27,500.00 <hr/> \$27,500.00
Div 3 Brunswick	Town of Belville – WBS 47602 was established (09/17) to connect stub road off of NC-133 adjacent to Scotchman BP station to SR 1551 (Main St) Increase funds	Small Construction <hr/> TOTAL	\$17,618.25 <hr/> \$17,618.25
Div 3 Pender	Town of Burgaw – WBS 44493 was established (06/15) for the construction of a sidewalk along US-117 Bus South / South Walker St Increase funds	Small Construction <hr/> TOTAL	\$34,571.69 <hr/> \$34,571.69
Div 4 Halifax	Town of Weldon – WBS 80028 was established (11/16) to install turn lane on SR 1641 approximately 0.5 mile from the intersection of SR 1641 and US-158 and an access road, approximately 1,700 ft, from SR 1641 to Halifax Community College Increase funds	Small Construction <hr/> TOTAL	\$8,827.72 <hr/> \$8,827.72

NCDOT JUNE 2018 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development, High Impact/Low Cost

County	Description	Type	Amount
Div 4 Halifax	City of Roanoke Rapids – Add additional mid-block pedestrian crossings with raised medians and improve visibility & functionality of existing pedestrian crosswalks on NC-48 between SR 1629 (Julian Alexander Hwy) and the Northampton County line WBS 80091	Small Construction TOTAL	\$44,024.76 \$44,024.76
Div 6 Bladen	Town of Elizabethtown – Pave 2,500 lft x 22 ft wide of Ben Green Industrial Drive WBS 48146	Contingency TOTAL	\$75,000.00 \$75,000.00
Div 6 Bladen	Town of Elizabethtown – Base and pave 1,350 lft x 22 ft wide of Aviation Parkway WBS 48147	Public Access Econ Development TOTAL	\$67,500.00 \$67,500.00 \$135,000.00
Div 6 Cumberland	City of Fayetteville – Construction final section of the Cape Fear River trail WBS 41955.3.5	High Impact / Low Cost TOTAL	\$1,000,000.00 \$1,000,000.00
Div 8 Chatham	Town of Siler City – WBS 47422 was established (06/17) for the widening of US-421 SB ramp at interchange with US-64 to enable for storage for the right turn movements Increase funds	Small Construction TOTAL	\$29,168.00 \$29,168.00
Div 8 Chatham	Preconstruction engineering including planning, environmental document, and design specific to transportation improvements needed for the Chatham-Siler City Advanced Manufacturing Site in Chatham County WBS 48171	Contingency TOTAL	\$500,000.00 \$500,000.00
Div 8 Lee	Pedestrian improvements on SR 1521 (Kelly Dr) at Central Carolina Community College at the two existing crosswalks WBS 48165	Small Construction TOTAL	\$30,832.00 \$30,832.00

NCDOT JUNE 2018 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development, High Impact/Low Cost

County	Description	Type	Amount
Div 8 Moore	Town of Southern Pines – Installation of pipe culvert, drainage structure, and curb & gutter along SR 1205 (W Morganton Rd) WBS 48160	Small Construction TOTAL	\$40,000.00 \$40,000.00
Div 8 Richmond	WBS 44741 was established (3/16) for the construction of turn lanes for new Enviva Biomass Plant along NC-177 Increase funds	Econ Development TOTAL	\$157,500.00 \$157,500.00
Div 11 Yadkin	Improve intersection of SR 1176 (Lydall Westex Rd) and SR 1103 and make improvements to better accommodate commercial traffic WBS 48167	Small Construction TOTAL	\$100,105.21 \$100,105.21
Div 12 Iredell	Town of Mooresville – Construction of access road from SR 1104 (Transco Rd) to serve industrial park WBS 48168	Contingency Public Access Econ Development TOTAL	\$500,000.00 \$250,000.00 \$750,000.00 \$1,500,000.00
Div 13 Madison	Construct 2 lane facility on new location by extending SR 1631 (Crossroads Parkway) in a southerly direction to SR 1549 (Calvin Edney Rd) for approximately 0.3 miles near the Town of Mars Hill WBS 48170	Contingency Small Construction TOTAL	\$250,000.00 \$700,000.00 \$950,000.00
Div 14 Henderson	WBS 44236 was established (06/14) to Grade, drain, widen, and pave 0.2 miles of Summerwind Dr in Etowah Increase funds	Econ Development TOTAL	\$95,126.98 \$95,126.98
Div 19 Statewide	WBS 72.1000 was established (06/16) for paving drives from state maintained roads to bay doors of fire and rescue facilities [N.C.G.S. 136-18(24)] Increase funds	Public Access TOTAL	\$62,578.52 \$62,578.52

NCDOT JUNE 2018 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development, High Impact/Low Cost

Summary:

Number of Divisions	9
Number of Projects	19
Small Construction Commitment	\$1,005,147.63
Public Access Commitment	\$380,078.52
Contingency Commitment	\$1,602,500.00
Economic Development Commitment	\$1,070,126.98
High Impact/Low Cost Commitment	<u>\$1,000,000.00</u>
TOTAL	\$5,057,853.13

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-1

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Martin Co. Div. 1 SS-4901BH	WBS 47919.3.1 US 17 between SR 1119 (Ralph Taylor Road) and Hampton Court. Initial Spot Safety construction funds are needed for construction of mainline left-overs and a U-turn bulbout. File 01-18-50895C	\$328,500.00
Morehead City/ Carteret Co. Div. 2 SS-4902CU	WBS 47921.3.1 US 70 (Arendell Street) at SR 1749 (24th Street). Initial Spot Safety construction funds are needed for traffic signal revisions. File 02-17-48406C	\$9,000.00
Brunswick Co. Div. 3 SS-4903DP	WBS 47922.3.1 SR 1115 (Old Ferry Connection Road) and SR 1124 (Stanbury Road). Initial Spot Safety construction funds are needed for sight distance improvements. File 03-17-47278C	\$9,000.00
Brunswick Co. Div. 3 SS-4903DP	WBS 47922.2.1 SR 1115 (Old Ferry Connection Road) and SR 1124 (Stanbury Road). Initial Spot Safety right of way and utilities funds are needed for sight distance improvements. File 03-17-47278R	\$27,000.00
Halifax Co. Div. 4 SS-4904EN	WBS 47923.3.1 US 158 westbound couplet (Second Street) at S. Walnut Street. Initial Spot Safety construction funds are needed for installation of a median island and flexible delineator posts. File 04-17-47287C	\$58,500.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-2

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Johnston Co. Div. 4 SS-4904EP	WBS 48161.3.1. US 70 from Wake County line to US 70 Business. Initial Spot Safety construction funds are needed for milled rumble stripes installation. File 04-18-001C	\$55,000.00
Red Oak/ Nash Co. Div. 4 SS-4904EO	WBS 47924.3.1 SR 1603 (Old Carriage Road) at SR 1604 (Hunter Hill Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 04-17-46264C	\$27,000.00
Durham /Durham Co. Div. 5 SS-4905FJ	WBS 47925.2.1 SR 1121 (Cornwallis Road) at SR 1954 (Northeast Creek Parkway). Initial Spot Safety right of way and utilities funds are needed for traffic signal revisions. File 05-18-51210R	\$1,800.00
Durham/ Durham Co. Div. 5 SS-4905FJ	WBS 47925.3.1 SR 1121 (Cornwallis Road) at SR 1954 (Northeast Creek Parkway). Initial Spot Safety construction funds are needed for traffic signal revisions. File 05-18-51210C	\$74,768.99
Wake Co. Div. 5 SM-5705H	WBS 47707.3.1 SR 1010 (Ten Ten Road) at SR 2723 (Fanny Brown Road). \$339,000 in Spot Mobility construction funds has previously been approved for turn lane construction and traffic signal installation. \$339,000.00 in Spot Mobility construction funds has previously been approved for turn lane construction and traffic signal installation. Additional funds are needed due to an increase in construction costs. File 05-09-205-1	\$14,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-3

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Raleigh/ Wake Co. Div. 5 SS-4905FK	WBS 47926.3.1 SR 2542 (Rock Quarry Road) at SR 2550 (Pearl Road). Initial Spot Safety construction funds are needed for traffic signal installation and pavement marking revisions. File 05-18-51359C	\$22,500.00
Cumberland Co. Div. 6 SS-4906DS	WBS 47934.2.1 SR 2244 (John McMillan Road) at SR 2252 (Chickenfoot Road). Initial Spot Safety right of way and utilities funds are needed for All-Way Stop installation. File 06-17-50605R	\$1,800.00
Cumberland Co. Div. 6 SS-4906DS	WBS 47934.3.1 SR 2244 (John McMillan Road) at SR 2252 (Chickenfoot Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 06-17-50605C	\$9,000.00
Cumberland Co. Div. 6 SS-4906DT	WBS 47935.3.1 NC 87 from the Bladen County line to SR 2212 (Doc Bennett Road). Initial Spot Safety construction funds are needed for rumble stripes installation. File 06-18-51382C	\$357,300.00
Cumberland Co. Div. 6 SS-4906DT	WBS 47935.2.1 NC 87 from the Bladen County line to SR 2212 (Doc Bennett Road). Initial Spot Safety right of way and utilities funds are needed for rumble stripes installation. File 06-18-51382R	\$1,800.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-4

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Harnett Co. Div. 6 SS-4906DQ	WBS 47927.3.1 NC 27/SR 1006 (Old Stage Road) at SR 2084 (Leslie Campbell Avenue); and SR 1006 at SR 1516 (Sheriff Johnson Road) near Buies Creek. Initial Spot Safety construction funds are needed for All-Way Stop installation. File 06-18-51308C	\$14,400.00
Harnett Co. Div. 6 SS-4906DQ	WBS 47927.2.1 NC 27/SR 1006 (Old Stage Road) at SR 2084 (Leslie Campbell Avenue); and SR 1006 at SR 1516 (Sheriff Johnson Road) near Buies Creek. Initial Spot Safety right of way and utilities funds are needed for All-Way Stop installation. File 06-18-51308R	\$1,800.00
Robeson Co. Div. 6 SS-4906DR	WBS 47928.3.1 NC 71 from NC 211 to SR 1752 (Rennert Road). Initial Spot Safety construction funds are needed for milled rumble stripes installation. File 06-18-51244C	\$119,700.00
Robeson Co. Div. 6 SS-4906DR	WBS 47928.2.1 NC 71 from NC 211 to SR 1752 (Rennert Road). Initial Spot Safety right of way and utilities funds are needed for milled rumble stripes installation. File 06-18-51244R	\$1,800.00
Guilford Co. Div. 7 SS-4907CE	WBS 47938.3.1 Northbound I-73 at Exit 2 (Friendly Avenue); Southbound I-73 at Exit 1 (I-40 WB); Southbound I-73 at Exit 97A (US 29/US 70); and I-85 Southbound at Exit 121 (I-73 NB). Initial Spot Safety construction funds are needed for severe duty impact attenuator installations. File 07-17-735C	\$145,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-5

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Orange Co. Div. 7 SS-4907CD	WBS 47936.2.1 SR 1710 (Old NC 10) west of SR 1561/SR 1709 (Lawrence Road) east of Hillsborough. Initial Spot Safety right of way and utilities funds are needed for curve improvements. File 07-18-825R	\$63,000.00
Orange Co. Div. 7 SS-4907CD	WBS 47936.3.1 SR 1710 (Old NC 10) west of SR 1561/SR 1709 (Lawrence Road) east of Hillsborough. Initial Spot Safety construction funds are needed for curve improvements. File 07-18-825C	\$198,000.00
Hoke Co. Div. 8 SS-4908BV	WBS 47939.3.1 SR 1408 (Club Pond Road) just north of SR 1406 (Rockfish Road). Initial Spot Safety construction funds are needed for guardrail installation. File 08-18-51362C	\$21,600.00
Thomasville/ Davidson Co. Div. 9 SS-4909CD	WBS 47940.3.1 SR 2085 (Baptist Children's Home Road) just north of SR 2776 (Optimist Park Road). Initial Spot Safety construction funds are needed for curve improvements. File 09-18-897C	\$243,000.00
Forsyth Co. Div. 9 SS-4909CE	WBS 47941.3.1 Eastbound I-40 at Exit 188 US 421/I-40 Bus.; US 52 Northbound at Exit 109A (I-40 Bus. E/US 421 S); US 421 Southbound at NC 67 (Silas Creek Parkway). Initial Spot Safety construction funds are needed for severe duty impact attenuator installations. File 09-16-247-1C	\$123,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-6

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Union Co. Div. 10 SS-4910DG	WBS 48162.3.1 SR 1344 (Matthews Weddington Road) at SR 1362 (Chestnut Lane) near Stallings. Initial Spot Safety construction funds are needed for roundabout construction. This project is being set up as a 20% companion match to allocated STPG-DA funds for the location. File 10-17-207C	\$179,000.00
Union Co. Div. 10 SS-4910DG	WBS 48162.1.1 SR 1344 (Matthews Weddington Road) at SR 1362 (Chestnut Lane) near Stallings. Initial Spot Safety preliminary engineering funds are needed for roundabout construction. This project is being set up as a 20% companion match to allocated STPG-DA funds for the location. Transfer \$25,000 from SS- 4910DG (48162.1.1) to U-6091 (47885.1.1) to cover the 20% state match needed, and then close 48162.1.1. File 10-17-207P	\$25,000.00
Union Co. Div. 10 SS-4910DG	WBS 48162.2.1 SR 1344 (Matthews Weddington Road) at SR 1362 (Chestnut Lane) near Stallings. Initial Spot Safety right of way and utilities funds funds are needed for roundabout construction. This project is being set up as a 20% companion match to allocated Federal funds for the location. File 10-17-207R	\$15,000.00
Weddington/ Union Co. Div. 10 SS-4910DH	WBS 48163.3.1 SR 1344 (Weddington Matthews Road) at SR 1345 (Tilley Morris Road) in Weddington. Initial Spot Safety construction funds are needed for roundabout construction. This project is being set up only as a 20% companion match to allocated Federal funds for the location. File 10-17-205C	\$180,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-7

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Weddington/ Union Co. Div. 10 SS-4910DH	WBS 48163.1.1 SR 1344 (Weddington Matthews Road) at SR 1345 (Tilley Morris Road) in Weddington. Initial Spot Safety preliminary engineering funds are needed for roundabout construction. This project is being set up only as a 20% companion match to allocated STPG-DA funds for the location. Transfer \$25,000 from SS-4910DH (48163.1.1) to U-6090 (47884.1.1) to cover the 20% state match needed, and then close 48163.1.1. File 10-17-205P	\$25,000.00
Weddington/ Union Co. Div. 10 SS-4910DH	WBS 48163.2.1 SR 1344 (Weddington Matthews Road) at SR 1345 (Tilley Morris Road) in Weddington. Initial Spot Safety right of way and utilities funds funds are needed for roundabout construction. This project is being set up only as a 20% companion match to allocated STPG-DA funds for the location. File 10-17-205R	\$15,000.00
Marvin/ Union Co. Div. 10 SS-4910DI	WBS 48164.3.1 SR 1315 (New Town Road) and SR 1312 (Marvin Road) in Marvin. Initial Spot Safety construction funds are needed for roundabout construction. This project is being set up only as a 20% companion match to allocated STPG-DA funds for the location. File 10-17-208C	\$180,000.00
Marvin/ Union Co. Div. 10 SS-4910DI	WBS 48164.1.1 SR 1315 (New Town Road) and SR 1312 (Marvin Road) in Marvin. Initial Spot Safety preliminary engineering funds are needed for roundabout construction. This project is being set up only as a 20% companion match to allocated STPG-DA funds for the location. Transfer \$25,000.00 from SS-4910DI (48164.1.1) to U-6088 (47883.1.1) to cover the 20% state match needed, and then close 48164.1.1. File 10-17-208P	\$25,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-8

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Marvin/ Union Co. Div. 10 SS-4910DI	WBS 48164.2.1 SR 1315 (New Town Road) and SR 1312 (Marvin Road) in Marvin. Initial Spot Safety right of way and utilities funds are needed for roundabout construction. This project is being set up only as a 20% companion match to allocated STPG-DA funds for the location. File 10-17-208R	\$15,000.00
Yadkin Co. Div. 11 SS-4911BA	WBS 47942.2.1 US 421 from I-77 to SR 1103. Initial Spot Safety right of way and utilities funds are needed for guardrail installation. File 11-18-201R	\$900.00
Hickory/ Catawba Co. Div. 12 SS-4912CR	WBS 47944.3.1 SR 1005 (Startown Road) at SR 1167(23rd St Drive SE). Initial Spot Safety construction funds are needed for concrete island extension and pavement marking revisions. File 12-18-203C	\$54,000.00
Hickory/ Catawba Co. Div. 12 SS-4912CR	WBS 47944.2.1. SR 1005 (Startown Road) at SR 1167(23rd St Drive SE). Initial Spot Safety right of way and utilities funds are needed for concrete island extension and pavement marking revisions. File 12-18-203R	\$900.00
Hickory/ Catawba Co. Div. 12 SS-4912CS	WBS 47945.3.1 NC 127 at SR 1306 (2nd Avenue NE). Initial Spot Safety construction funds are needed for traffic signal and signing revisions. File 12-18-202C	\$18,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-9

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Gastonia/ Gaston Co. Div. 12 SS-4912CQ	WBS 47943.3.1 SR 1133 (Linwood Road) at SR 1131 (Chapel Grove Road/Linwood Road). Initial Spot Safety construction funds are needed for intersection improvements, median island construction, and pavement marking revisions. File 12-18-212C	\$90,000.00
Gastonia/ Gaston Co. Div. 12 SS-4912CQ	WBS 47943.2.1 SR 1133 (Linwood Road) at SR 1131 (Chapel Grove Road/Linwood Road). Initial Spot Safety right of way and utilities funds are needed for intersection improvements, median island construction, and pavement marking revisions. File 12-18-212R	\$18,900.00
Buncombe Co. Div. 13 SS-4913CU	WBS 47946.3.1 SR 1224 (Monte Vista Road) at SR 1238 (Holbrook Road/Edgewood Road) near Asheville. Initial Spot Safety construction funds are needed for traffic signal installation. File 13-18-203C	\$63,000.00
Buncombe Co. Div. 13 SS-4913CU	WBS 47946.2.1 SR 1224 (Monte Vista Road) at SR 1238 (Holbrook Road/Edgewood Road) near Asheville. Initial Spot Safety right of way and utilities funds are needed for traffic signal installation. File 13-18-203R	\$9,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
and for Specific Spot Mobility Projects**

L-10

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Jackson Co. Div. 14 SS-4914DM	WBS 47947.3.1 NC 107 from SR 1132 to just south of SR 1158 near Glenville. Initial Spot Safety construction funds are needed for rumble stripes installation. File 14-18-203C	\$180,000.00
Jackson Co. Div. 14 SS-4914DM	WBS 47947.2.1 NC 107 from SR 1132 to just south of SR 1158 near Glenville. Initial Spot Safety right of way and utilities funds are needed for rumble stripes installation. File 14-18-203R	\$1,800.00
ITEM L SUMMARY	44 PROJECTS	\$3,023,768.99

NCDOT June 2018 Board of Transportation Agenda

Additions:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
Division 1				
Camden	51624	0.24 0.14	Tar Corner Village Subdivision Generals Way Woodrows Drive	2/20/18
Pasquotank	51640	0.07	Queenswood Subdivision Excalibur Court	4/17/18
Division 2				
Craven	51625	0.03 0.03	Lake Clermont Subdivision Alexis Drive, SR 1952 Ext. Alexis Court	2/1/18
Pamlico	51626	0.26 0.05 0.06	Plantation Oaks Subdivision Plantation Oaks Drive Barkside Court Covington Court	3/9/18
Division 4				
Johnston	51627	0.03	Forest Oaks Subdivision Whisper Oaks Court	3/20/18
Johnston	51628	0.18	Mary's Meadow Subdivision Mary Meadows Lane	3/20/18
Division 8				
Chatham	51629	0.41 0.09 0.33	Harrison Pond Subdivision Harrison Pond Drive Milton Court Sweet Pine Circle	2/27/18
Chatham	51630	0.32	Horizon Subdivision Brookhaven Way	1/11/18
Hoke	51631	0.15 0.13 0.01	Hensdale Subdivision Hensdale Drive Wilshire Lane Overlook Court	2/20/18
Lee	51632	0.44	Doe Run Subdivision Buckroe Drive, SR 1490 Ext.	12/18/17
Division 11				
Wilkes	51633	0.16	Beaumont Subdivision Beaumont Poplar Street, SR 2086 Ext.	3/27/18

NCDOT June 2018 Board of Transportation Agenda

Additions:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
Division 12				
Cleveland	51634	0.04	Deer Brook Subdivision Caddies Court	1/31/18
Iredell	51635	0.39	Woodbridge Estates Subdivision Draper Drive	5/8/17
Iredell	51636	0.15	Woodleaf Subdivision Trent Pines Drive	3/27/18
Division 14				
Henderson	51637	0.06	W.C. Jordon Subdivision B Street	4/19/18
	51638	0.07	Ferndale Street	

NCDOT June 2018 Board of Transportation Agenda**Abandonments:**

County	Pet. No.	Length Abandoned (Miles)	Description	Date of Report
Division 3				
Pender	51639	0.17	SR 1330, Penderlea School Road	4/6/18

Summary: **Number of roads petitioned for addition - 24**
Number of roads petitioned for abandonment - 1

Corrections: **None**

NCDOT June 2018 Board of Transportation Agenda

Public Transportation Program

Highway Division #	5310 - Enhanced Mobility for Seniors and Disabled	Total Project Cost (after amendment)	
9	19-ED-057 Davidson County Senior Services will use Capital funds to do a Direct Purchase of Service agreement with Davidson County Transportation. The transportation services will enable the elderly and disabled residents in Davidson County to get to medical appointments and hospitals that are outside of the service area. -6653	\$250,000	Total
		\$225,000	Federal
		\$12,500	State
		\$12,500	Local
12	19-ED-197 Iredell County Council on Aging will use Capital funds to do a Direct Purchase of Service agreement with Iredell County Area Transportation. The transportation services will enable the elderly and disabled residents in Davidson County to get to medical appointments and hospitals that are outside of the service area. -5957	\$76,000	Total
		\$60,800	Federal
		\$7,600	State
		\$7,600	Local
AMENDMENTS for March 2018 BOT Agenda Items			
1	19-ED-005 Albemarle Regional Health Services is requesting grant funding in order to continue to provide demand response and subscription transportation services that meet the special needs of elderly persons and persons with disabilities in ARHS-ICPTA's rural five county service area, where mass transportation services are unavailable. 5948 - <i>Additional fund availability allow most of the original funding request to be restored. Additional \$131,425 in Federal dollars</i>	Operating	
		\$460,000	Total
		\$230,000	Federal
		\$0	State
14	19-ED-070 Mountain Projects The proposed project will provide needed transportation services and alternatives for our county's Elderly and Disabled that the regular transit system may not be able to provide for medical appointments, as well as more shopping and recreational trips. 5962 - <i>Additional fund availability allow most of the original funding request to be restored. Additional \$22,500 in Federal dollars</i>	\$230,000	Local
		Operating	
		\$125,000	Total
		\$62,500	Federal
3	19-ED-055 Onslow United Transit System will use operating funds to provide ADA service that goes beyond the minimum guidelines for the fixed route system in order to reach additional needy eligible persons. The area will use 6 miles outside the required 3/4 of mile from the fixed route. Also, a portion of the service area for this project is the urbanized area of Jacksonville for residents traveling to therefore, the hospital and areas in Onslow County. 5932 - <i>Additional fund availability allow most of the original funding request to be restored. Additional \$6,000 in Federal dollars</i>	\$0	State
		\$62,500	Local
		Operating	
		\$20,000	Total
		\$10,000	Federal
		\$0	State
		\$10,000	Local

NCDOT June 2018 Board of Transportation Agenda

Public Transportation Program

			Operating	
		19-CT-032 Swain County Focal Point is requesting funding for	\$68,969	Total
14		trips for Elderly and Disabled in the county. This service allows		
		them the opportunity to attend to daily needs, maintain	\$34,484	Federal
		employment and participate in social activities. 5960 - <i>Additional</i>		
		<i>fund availability allow most of the original funding request to be</i>	\$0	State
		<i>restored. Additional \$24,968 in Federal dollars</i>	\$34,485	Local
		19-ED-022 Western Carolina Community Action will use	Operating	
		operating funds to provide transportation and other needed	\$70,416	Total
11		services to keep elderly seniors living independently at home.		
		This project will expand transportation options to seniors living in	\$35,208	Federal
		rural areas of Madison and Transylvania counties currently		
		unreached by public transit options. 5710 - <i>Additional fund</i>	\$0	State
		<i>availability allow most of the original funding request to be</i>	\$35,208	Local
		<i>restored. Additional \$12,675 in Federal dollars</i>		
		19-ED-909 Granville County is requesting capital funds to	Capital	
		purchase transportation service from Kerr Area Rural	\$161,000	Total
5		Transportation for elderly and disabled transportation in Granville		
		County and the town of Oxford which is 43% minority and 13.2%	\$128,800	Federal
		low income. 5704 - <i>Additional fund availability allow most of the</i>		
		<i>original funding request to be restored. Additional \$77,280</i>	\$16,100	State
		<i>Federal dollars and \$9,660 State Dollars</i>	\$16,100	Local
		19-ED-910 Kerr-Tar Regional Council of Governments will use	Capital	
		the funds for purchasing transportation services from the two	\$300,000	Total
		transportation providers in the Kerr Tar area -the Kerr Area Rural		
5		Transportation System (KARTS) and the Person Area	\$240,000	Federal
		Transportation System (PATs) to provide services focused on		
		elderly and disabled individuals with life threatening illnesses in	\$30,000	State
		the service area. 5991 - <i>Additional fund availability allow most of</i>		
		<i>the original funding request to be restored. Additional \$188,480</i>	\$30,000	Local
		<i>Federal dollars and \$23,560 State Dollars</i>		
		19-ED-964 Pitt County Council on Aging, Inc. will use capital	Capital	
		funds to purchase transportation service from Pitt County Transit	\$182,500	Total
3		for elderly and disabled transportation. 6007 - <i>Additional fund</i>		
		<i>availability allow most of the original funding request to be</i>	\$146,000	Federal
		<i>restored. Additional \$87,600 Federal dollars and \$10,950 State</i>		
		<i>Dollars</i>	\$18,250	State
			\$18,250	Local

NCDOT June 2018 Board of Transportation Agenda

Public Transportation Program

		Capital	
8	19-ED-922 The Stevens Center will use the funds for continuing to operate Friday evening and Saturday transit service and purchasing transportation from the County of Lee Transit System to allow disabled individuals in Lee County to maintain evening and weekend employment and access shopping, social, and recreational opportunities. 6074 - <i>Additional fund availability allow most of the original funding request to be restored. Additional \$23,280 Federal dollars and \$2,910 State Dollars</i>	\$48,500	Total
		\$38,800	Federal
		\$4,850	State
		\$4,850	Local
AMENDMENTS for March 2018 BOT Agenda Items			
Highway Division #	5317 New Freedom	Total Project Cost (after amendment)	
5	19-NF-910 Kerr-Tar Regional Council of Governments will use the funds for continuing a Mobility Management Program. The Mobility Manager will coordinate transportation services with human service organizations and other agencies that provide travel and trip planning, and support transportation with ride sharing and volunteer programs. 6041 - <i>Additional fund availability allow most of the original funding request to be restored. Additional \$27,000 Federal dollars and \$3,000 State Dollars</i>	Mobility Manager	
		\$100,000	Total
		\$80,000	Federal
		\$10,000	State
		\$10,000	Local
Highway Division #	AMENDMENTS for March 2018 BOT Agenda Items	Total Project Cost (after amendment)	
	TDM - RideShare		Rideshare
10	19-RS-102 City of Charlotte will use the TDM funds to encourage as a viable alternative the use of Public Transit, vanpool, carpool, biking, walking, and telecommuting as viable alternatives to driving alone by using multiple methods to inform the public on the many benefits these alternatives have on the environment and quality of life for the Charlotte community, resulting in reduced VMT. The City of Charlotte will place emphasis on the Universities and commuting options near the Blue Line Extension, Charlotte area businesses through "Best Workplace for Commuters", and the general public through the Way2GoCLT.com. The effectiveness of City of Charlotte's TDM efforts, including the number of students, businesses, and residents who can be reached and introduced to new modes of transportation, is contingent on continued funding.	\$259,560	Total
		\$0	Federal
		\$129,780	State
		\$129,780	Local

NCDOT June 2018 Board of Transportation Agenda

Public Transportation Program

			Rideshare
		19-RS-120 Piedmont Authority for Regional Transit will use TDM funds to provide services to ten counties including Alamance, Davie, Forsyth, Guilford, Randolph, Rockingham, Stokes, Surry, and Yadkin. The goal of the TDM program is to reduce the number of Vehicle Miles Traveled in single occupancy vehicles through methods including employer outreach and support, van leasing, carpool matching, emergency ride home, Best Workplaces for Commuters, the PARTnership program, and the use of the Piedmont Transit Resource Center. The results of the program not being funded in the Triad would be impactful, and divergent in enhancing the mobility options for North Carolinians. A decrease funding and in these efforts would lead to decreased alternative mode use and options, negative air quality/emissions impact, and regional economic impacts.	\$506,760 Total
			\$0 Federal
			\$253,380 State
			\$253,380 Local
7, 9			
			Rideshare
		19-RS-906 Sustain Charlotte will use the TDM funds to support new Enhanced Performance Metrics for the purpose of successfully introducing residents to walking, bicycling and transit through a variety of events, public outreach, educational guides, and media. Growing a regional alliance to support and coordinate TDM activities. Increasing resident participation in CATS' Way2GoCLT web-based TDM platform and developing and implementing a TDM marketing strategy demonstrating annual growth in impact. Sustain Charlotte's TDM efforts depend heavily on availability of staff time, which is a part of the proposal budget. The effectiveness of Sustain Charlotte's TDM efforts, including the number of residents who can be reached and introduced to new modes of transportation, is contingent on continued funding.	\$144,316 Total
			\$0 Federal
			\$72,158 State
			\$72,158 Local
10			
			Rideshare
		19-RS-901 Triangle J Council of Governments (TJCOG) will use funds for the overall Triangle TDM Program Planning and administration. TJCOG is requesting 100% in state funds to perform the administrative functions which include managing technical oversight and partnership committees, finalizing and managing administrative contract arrangement, developing and implementing application and allocation process for target area basic funding, developing and implementing application and allocation process for Competitive Call for Special Projects funding, developing and implementing quarterly and annual reporting process, and professional development of staff for TDM implementation and evaluation. Grant sub-recipients from local and regional organizations in the Triangle participate in the program and are responsible for marketing services to help commuters find transportation alternatives to the single-occupant vehicle. In 2017, the TDM Program continued to reduce the increase in commuter VMT by 25% and prevented 43.8 million pounds of carbon dioxide emissions from release. If the program is not funded, the scope of the TDM program will be significantly reduced. Multi-year efforts to develop strong TDM programs in the Triangle region would not be able to continue.	\$126,690 Total
			\$0 Federal
			\$126,690 State
			\$0 Local
5, 7			

NCDOT June 2018 Board of Transportation Agenda

Public Transportation Program

5, 7	19-RS-901A Triangle J Council of Governments is requesting funds to support the TDM Programs at North Carolina State University (NCSU), the University of North Carolina at Chapel Hill (UNC), the Durham and Wake Counties Research and Production Service District (SmartCommute@rtp), the Town of Chapel Hill/Carrboro, The City of Raleigh, Triangle Transit (which provides TDM programming for Durham and Wake Counties, and includes the Fortify initiative), Duke University, and Wake Technical Community College. Additionally, funds will support the Triangle J Best Places for Commuters program. If the program is not funded, the scope of the TDM program will be significantly reduced. Multi-year efforts to develop strong TDM programs in the Triangle region would not be able to continue.	Rideshare	
		\$1,038,240	Total
		\$0	Federal
		\$519,120	State
		\$519,120	Local

Item I-1: Total Projects 43: Total Federal and State (net Amendments) \$73,287

*Note to Board: Charlotte SFFGA is being amended, no change in total budget (see Memo dated May 31,2018)

Additions to the Transit 2018-2027 STIP

STIP #	TRANSIT PARTNER	DESCRIPTION	MATCH	FUND	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)	FY24 (000)	FY25 (000)	FY26 (000)	FY27 (000)
TG-6183A	Gastonia Transit	ADA Paratransit Service	FUZ	5307	300									
			Local	L	75									
TO-6061	Gastonia Transit	Operating Expenses	FUZ	5307	142									
			Local	L	142									
TG-6184B	Gastonia Transit	Preventive Maintenance	FUZ	5307	400									
			Local	L	100									
TG-6791	Go Raleigh	Capital Cost of Contracting	FMPL	5303	1280									
			Local	L	320									
TS-5134	Gastonia Transit	Security – Bradley Station Cameras	FUZ	5307	50									
			Local	L	13									
TG-6792	Gastonia Transit	Enhancements Pedestrian Walkways	FUZ	5307	1000									
			Local	L	250									
TG-6793	Gastonia Transit	Enhancements Shelters	FUZ	5307	120									
			Local	L	30									
TO-6062	LINK	Operating	FUZ	5307		509								
			Local	L		509								
TG-6794	LINK	Capital	FUZ	5307		599								
			Local	L		150								

TP-5155	LINK	Planning	FUZ	5307		80								
			Local	L		20								

Modifications to the 2018-2027 STIP

STIP #	TRANSIT PARTNER	DESCRIPTION	MATCH	FUND	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)	FY24 (000)	FY25 (000)	FY26 (000)	FY27 (000)
TP-5152	Gastonia Transit	Design Addition at Bradley Station	FUZ	5307	34									
			Local	L	9									
TD-5301	Gastonia Transit	Construct an Addition at Bradley Station	FUZ	5307		116								
			Local	L		29								

Administrative Modification

STIP #	TRANSIT PARTNER	DESCRIPTION	MATCH	FUND	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)	FY24 (000)	FY25 (000)	FY26 (000)	FY27 (000)
TA-6678	Piedmont Area Regional Transportation	Expansion Vehicle-LTV	FBUS	5339	56									
			Local	L	7									
			State	T	7									
TA-6680	Piedmont Area Regional Transportation	Expansion Vehicle-LTV	FBUS	5339	64									
			State	T	8									
			Local	L	8									

Item I-1B, 14 Projects, Total Federal funds \$5,715,000

**NCDOT June 2018 Board of Transportation Agenda
Rail Program**

Town/County Division	Project Description	Estimated Cost
Divisions 2 & 4 Beaufort, Nash & Pitt Counties 80000.1.4.49	The Rail Division requests board approval of additional Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the improvement of 10 additional bridges along the Carolina Coastal Railway (CLNA) NS and BH Lines. CLNA will be responsible for the construction of the additional work. The total estimated additional cost to the Department is \$83,000. The revised estimated cost of the project is \$916,950. The revised estimated cost to the Department is \$458,475. FRRCSI ID: F18105	\$83,000
Divisions 2 & 4 Nash, Pitt & Wilson Counties 80000.2.3.93	The Rail Division requests reallocation of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds from Project Pine (due to delay in rail service) to the improvement of nine at-grade crossings by installing a rail seal surface to replace the existing surface on the Coastal Carolina Railway (CLNA). The crossings to be improved are crossing number 465 543B (SR 1225 - Fields Street), crossing number 465 473N (SR 1759 - Simpson Street), crossing number 626 230H (NC 58 - First Street), crossing number 465 586U (SR 1542 - Grimsley Store Road), crossing number 465 640K (NC 231 - Nash Street), crossing number 465 468S (SR 1764 - Brick Kiln Road), crossing number 465 479E (SR 1728 - L T Hardee Road), crossing number 466 170H (SR 1507 - Slatestone Road), and crossing number 465 458L (SR 1565 - Beaufort Street). There is an additional crossing to be improved by using a concrete tub crossing number 465 514R (SR 1324 - W H Smith Boulevard). CLNA will provide the necessary labor to install the materials. The Division will provide the asphalt and traffic control. The total estimated cost to the Department is \$368,400. FRRCSI ID: F18248	\$368,400
Division 6 Robeson County 80000.2.3.94	The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the improvement of an at-grade crossing by installing a rail seal surface to replace the existing surface on the Red Springs and Northern Railway (RSNR). The crossing to be improved is crossing number 629 413L (SR 1705 - McIntosh Road). CLNA will provide the necessary labor to install the materials. The Division will provide the asphalt and traffic control. The total estimated cost to the Department is \$28,500. FRRCSI ID: F18249	\$28,500

Division 8 Chatham & Montgomery Counties 80000.2.3.92	The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the improvement of two at-grade crossings by installing a rail seal surface to replace the existing surface on the Aberdeen Carolina & Western Railway (AWCR). The crossings to be improved are crossing number 728 898G (SR 1103 - Brickyard Road), crossing number 465 966B (NC 42). ACWR will provide the necessary labor to install the materials. The Division will provide the asphalt and traffic control. The total estimated cost to the Department is \$41,000. FRRCSI ID: F18247	\$41,000
Divisions 9 &11 Forsyth & Surry Counties 80000.2.3.95	The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the improvement of four at-grade crossings by installing a rail seal surface to replace the existing surfaces on the Yadkin Valley Railroad (YVRR). The crossings to be improved are crossing number 721 769T (SR 1635 - Antioch Church Road), crossing number 721 980C (SR 1815 - West Dodson Mill Road), crossing number 721 989N (SR 2019 - Ararat Road), and crossing number 721 972K (SR 2050 - Academy Street). YVRR will provide the necessary labor to install the materials. The Division will provide the asphalt and traffic control. The total estimated cost to the Department is \$132,000. FRRCSI ID: F18250	\$132,000
Divisions 13 &14 Buncombe & Henderson Counties 80000.2.3.96	The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the improvement of two at-grade crossings by installing a rail seal surface to replace the existing surfaces on the Blue Ridge Southern Railroad (BLU). The crossings to be improved are crossing number 720 639T (SR 1545 - Cane Creek Road) and crossing number 720 380W (SR 1126 - Candler School Road). BLU will provide the necessary labor to install the materials. The Division will provide the asphalt and traffic control. The total estimated cost to the Department is \$69,000. FRRCSI ID: F18251	\$69,000

ITEM I-2 SUMMARY – 6 PROJECTS - (TOTAL FEDERAL AND STATE) \$ 721,900

NCDOT June 2018 Board of Transportation Agenda

Division of Bicycle and Pedestrian Transportation Program

Regional Bicycle Planning Program

Davie, Forsyth, Iredell, Stokes, Surry and Yadkin counties Divisions 9, 11 and 12	Board approval is requested for the Yadkin Valley Regional Bike Plan. The project consists of the Piedmont Triad Regional Council and selected consultant producing a bicycle plan for the multi-county region. The study area will include at least part of the counties of Davie, Forsyth, Iredell, Stokes, Surry and Yadkin, as well as potentially the municipalities of. Bermuda Run, Bethania, Boonville, Clemmons, Cooleemee, Danbury, Dobson, East Bend, Elkin, Harmony, Jonesville, Kernersville, King, Lewisville, Love Valley, Mocksville, Mount Airy, Pilot Mountain, Rural Hall, Statesville, Tobaccoville, Walkertown, Walnut Cove, Winston-Salem and Yadkinville. The work to be accomplished includes data collection and analysis, public outreach, facility and route system development, prioritization, plan adoption and implementation. Significant work will be done coordinating with the local partners to sustain and develop the system over time. The estimated cost of the project is \$223,000, which includes expected consultant costs, COG administrative expenses and NCDOT staff time to manage the project. The project will be funded by state regional bicycle planning funds. (WBS 41794.14)	\$223,361 State
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ITEM I - 3 SUMMARY – 1 PROJECT – (TOTAL STATE) \$223,361

NCDOT June 2018 Board of Transportation Agenda

Aviation Program

Town/County Division	Project Description
Division 01 Martin County Airport, Martin County	AUTOMATED WEATHER OBSERVATION STATION (AWOS) CLEARING & SITE PREPARATION Clearing, grubbing, and preparation of site for AWOS installation. This is a Non-Primary Entitlement project with local match provided via the Funding Safety Enhancement Program. [PR#2153]
Division 2 Michael J. Smith, Carteret County	PAVEMENT REHABILITATION DESIGN This project is to design the pavement rehabilitation for multiple failing sections of apron and taxiway. [PR#3019]
Division 2 Warren Field, Beaufort County	TAXIWAY PAVEMENT REHABILITATION DESIGN (36244.51.11.1) This project adds taxiway rehabilitation design to current runway 5-23 rehabilitation design. This will allow the runway construction to be rebid, and include the taxiway as a bid option. [PR#2999]
Division 3 Cape Fear Regional Jetport, Brunswick County	WEST APRON EXPANSION - PHASE II (DESIGN) This project is to design phase II of the west apron expansion. The west apron is being expanded to accommodate high volumes of large transient aircraft. [PR#2175]
Division 5 Henderson-Oxford Airport, Granville County	RUNWAY LIGHTING AND APRON REHABILITATION CONSTRUCTION (36244.34.5.1) This request is for additional funding needed to cover higher than estimated construction bid amounts. [PR#2892]
Division 6 Harnett Regional Jetport, Harnett County	AIRCRAFT APRON AND HELIPAD (DESIGN) This project is to design an apron expansion to provide space for increasing volume of large corporate turboprop and jet aircraft next to the terminal building, to avoid maneuvering conflicts with the fueling apron and hangar access taxiway, and to increase aircraft parking. Apron area will provide parking positions for two helicopters as well. [PR#2190]

NCDOT June 2018 Board of Transportation Agenda

Aviation Program

Division 7
Burlington
Alamance Regional
Airport,
Alamance County

TAXIWAY RECONSTRUCTION

This project is to reconstruct a critical section of taxiway from Taxiway A to the existing apron. The work will include pavement removal, regrading to current slope requirements, drainage & lighting modifications. [PR#3923]

Division 11
Mt.Airy-Surry
County Airport,
Surry County

LAND REIMBURSEMENT (WEST PHASE II & 282 HOLLY AVE)

This request is to reimburse land purchased for the runway extension and to reduce noise impacts according to the Airport Layout Plan. [PR3682/3313]

Division 11
Avery County –
Morrison Field,
Avery County

FUEL FARM PHASE III

Replace two existing 6,000 gallon tanks with new double walled tanks. This is a Non-Primary Entitlement project with local match provided via the Funding Safety Enhancement Program. [PR#3820]

Division 12
Shelby-Cleveland
County Regional
Airport, Cleveland
County

T-HANGAR AND TAXILANE DEVELOPMENT

Site preparation for three future 10-unit T-Hangar buildings, and taxilane paving. The development will connect to the existing apron area and help meet high local demand for hangar space. [PR#3630]

ITEM I-4 SUMMARY – 10 PROJECTS – (TOTAL STATE and FEDERAL COST) \$3,961,000

**Project selection and approval for award. Cost is estimated. Only eligible cost within the project scope of work will be reimbursed.

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Dare Co. Div. 1 R-5738 DIVISION	WBS 50196.3.1 SR 1208 (West Kitty Hawk Road) from SR 1210 (Bob Perry Road) to Ivy Lane. Initial funds are requested for construction.	\$1,950,000.00
Perquimans Co. Div. 1 R-5740 DIVISION	WBS 50198.1.1 SR 1329 (Woodville Road) from SR 1331 (Red Bank Road) to SR 1300 (New Hope Road). \$392,182.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$350,000.00
Tyrrell Co. Div. 1 B-5936 STATEWIDE	WBS 46478.3.1 Bridge # 7 over Alligator River on US 64. \$9,900,000.00 has previously been approved for construction. Additional funds are requested for change in project scope.	\$8,350,000.00
Craven Co. Div. 2 F-5000 REGIONAL	WBS 41146.3.2 Cherry Branch Visitor's Center replacement. \$2,185,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a Strategic Transportation Investments Transition project.	\$620,000.00
Craven Co. Div. 2 R-5777C STATEWIDE	WBS 44648.1.4 US 70 from Thurman Road to Havelock Bypass. Initial funds are requested for preliminary engineering.	\$10,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Craven Co. Div. 2 U-6102 STATEWIDE	WBS 48135.1.1 US 70 at SR 1309 (Glenburnie Road). Initial funds are requested for preliminary engineering.	\$10,000.00
Lenoir Co. Div. 2 U-3618 DIVISION	WBS 35775.1.3 Carey Road Extension from SR 1572 (Rouse Road) to US 258. \$900,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$195,000.00
New Hanover/ Pender Cos. Div. 3 R-3300A REGIONAL	WBS 40237.1.3 US 17 Hampstead Bypass from US 17 Bypass south of Hampstead to NC 210. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$205,000.00
Onslow Co. Div. 3 U-4007F STATEWIDE	WBS 35008.1.4 US 17 at McDaniel Drive / Workshop Lane. Initial funds are requested for preliminary engineering.	\$10,000.00
New Hanover/ Pender Cos. Div. 3 R-3300 STATEWIDE	WBS 40237.1.1 US 17 Hampstead Bypass from US 17 to US 17 north of Hampstead. \$3,098,500.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This project has previously been identified as a Trust Fund Intrastate System project.	\$520,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Sampson Co. Div. 3 R-2303D STATEWIDE	WBS 34416.3.S2 NC 24 from SR 1303 (Mitchell Loop Road) to US 421 - 701/ SR 1296 (Sunset Avenue). \$55,639,551.00 has previously been approved for construction. Additional funds are requested to cover supplemental agreements. This is a Strategic Transportation Investments Transition project.	\$5,000,000.00
Edgecombe Co. Div. 4 U-4762 DIVISION	WBS 39930.1.2 SR 1250 (Springfield Road) from US 64 alternate to SR 1243 (Leggett Road). \$800,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$700,000.00
Johnston Co. Div. 4 U-5795 DIVISION	WBS 44366.2.1 SR 2302 (Ricks Road) from US 70 to US 301. \$678,000.00 has previously been approved for full right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$158,000.00
Wake/ Johnston Cos. Divs. 4/5 U-6101 STATEWIDE	WBS 48134.1.1 I-40 / I-87 / I-440 / US 1 / US 64, I-40 from SR 1728 (Wade Avenue) to NC 42; I-440; I-87 from I-40 to I-540, US 1 from NC 540 to I-40. Initial funds are requested for preliminary engineering.	\$10,000.00
Wake Co. Divs. 4/5 R-2828 STATEWIDE	WBS 35516.2.TA1 Southern Wake Freeway (Future NC 540) from US 401 to I-40. Initial funds are requested for full right of way and utilities.	\$10,000,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wake/ Durham Cos. Div. 5 I-6006 STATEWIDE	WBS 47960.1.1 I-40 from NC 54 (Exit 273) to SR 1728 (Wade Avenue) Initial funds are requested for preliminary engineering.	\$10,000.00
Durham Co. Div. 5 I-6010 STATEWIDE	WBS 47963.1.1 I-85 / US 15 from east of SR 1827 (Midland Terrace) to SR 1632 (Red Mill Road) in Durham. Initial funds are requested for preliminary engineering.	\$10,000.00
Durham Co. Div. 5 U-5745 REGIONAL	WBS 50166.3.1 NC 751 (Hope Valley Road) at SR 1183 (University Drive) intersection in Durham. Initial funds are requested for construction.	\$1,815,000.00
Durham Co. Div. 5 U-5745 REGIONAL	WBS 50166.2.1 NC 751 (Hope Valley Road) at SR 1183 (University Drive) intersection in Durham. \$150,000.00 has previously been approved for full right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$190,000.00
Statewide Div. 5 M-0488D STATEWIDE	WBS 46404.1.4 South Eastern Extension of I-540 - Map Act Lawsuit. \$620,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$135,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wake Co. Div. 5 I-6005 STATEWIDE	WBS 47959.1.1 I-87 / US 64 / US 264 from US 64 Business (Wendell Boulevard) to US 264. Initial funds are requested for preliminary engineering.	\$10,000.00
Wake Co. Div. 5 I-6007 STATEWIDE	WBS 47961.1.1 I-87 / US 64 / US 264, SR 2233 (Smithfield Road). Initial funds are requested for preliminary engineering.	\$10,000.00
Wake Co. Div. 5 P-5707 REGIONAL	WBS 44643.2.1 CSX S Line. Grade separation at Rogers Road Extension Crossing (633 905Y) in Wake Forest. Initial funds are requested for full right of way and utilities.	\$1,890,000.00
Raleigh/ Wake Co. Div. 5 P-5715 REGIONAL	WBS 46927.2.1 CSX, crossing 630607N at New Hope Church Road in Raleigh. Construct grade separation. Initial funds are requested for full right of way and utilities.	\$3,300,000.00
Raleigh/ Wake Co. Div. 5 P-5720 REGIONAL	WBS 46932.2.1 CSX crossing 630 601X at SR 2006 (Durant Road) in Raleigh. Construct grade separation. \$50,000.00 has previously been approved for appraisal of specific parcels. Additional funds are requested for full right of way and utilities.	\$2,450,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wake Co. Div. 5 R-2721A STATEWIDE	WBS 37673.2.TA1 NC 540 from NC 55 Bypass to east of SR 1152 (Holly Springs Road). Initial funds are requested for full right of way and utilities.	\$10,000,000.00
Wake Co. Div. 5 R-2721B STATEWIDE	WBS 37673.2.TA2 NC 540 from east of SR 1152 (Holly Springs Road) to east of US 401. Initial funds are requested for full right of way and utilities.	\$10,000,000.00
Wake Co. Div. 5 R-2829 STATEWIDE	WBS 35517.1.2 Eastern Wake Freeway from I-40 to south of Garner to US 64 / 264 Knightdale Bypass. Initial funds are requested for advanced property / utility relocation studies.	\$25,000.00
Durham/ Orange Cos. Divs. 5/7 I-0305 STATEWIDE	WBS 34142.1.2 I-85 from west of SR 1006 (Orange Grove Road) in Orange County to west of SR 1400 (Sparger Road) in Durham County. Initial funds are requested for preliminary engineering.	\$10,000.00
Columbus Co. Div. 6 R-5013 DIVISION	WBS 41160.2.1 US 701 at NC 410 (Joe Brown Highway). Initial funds are requested for full right of way and utilities.	\$200,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Cumberland Co. Div. 6 R-2303A STATEWIDE	WBS 34416.3.3 NC 24 from west of SR 1006 (Maxwell Road / Clinton Road) in Cumberland County to SR 1853 (John Nunnery Road), 6.807 miles. \$69,199,325.00 has previously been approved for construction. Additional funds are requested for supplemental agreements. This is a Strategic Transportation Investments Transition project. This project has previously been identified as a Trust Fund Intrastate System project.	\$250,000.00
Cumberland/ Robeson Cos. Div. 6 U-2519 REGIONAL	WBS 34817.2.26 The Fayetteville Outer Loop from I-95 in Robeson County to east of NC 24 (Bragg Boulevard) in Cumberland County. \$750,000.00 has previously been approved for Map Act Appraisals and to allow for future acquisition of specific parcels. Additional funds are requested.	\$20,000,000.00
Cumberland/ Robeson Cos. Div. 6 U-2519AA STATEWIDE/ REGIONAL	WBS 34817.1.S5 Fayetteville Outer Loop from I-95 to south of SR 1118 (Parkton Road) in Robeson County. \$695,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$240,000.00
Fayetteville/ Cumberland Co. Div. 6 U-2519CA STATEWIDE	WBS 34817.2.25 Fayetteville Outer Loop from south of US 401 to south of SR 1400 (Cliffdale Road). \$100,000.00 has previously been approved for Map Act Appraisals and to allow for future acquisition of specific parcels. Additional funds are requested.	\$2,000,000.00
Cumberland Co. Div. 6 U-5101A DIVISION	WBS 41899.1.2 SR 1437 (Shaw Road), SR 1614 (Shaw Mill Road) - SR 1615, from NC 87 (Bragg Boulevard) to NC 210 (Murchison Road). Initial funds are requested for preliminary engineering.	\$750,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Cumberland Co. Div. 6 U-5742 REGIONAL	WBS 50164.3.1 Fayetteville computerized traffic signal system. \$5,015,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$755,000.00
Harnett Johnston/ Cos. Div. 6 I-5986B STATEWIDE	WBS 47532.1.3 I-95 from SR 1811 (Bud Hawkins Road - Exit 70) to I-40 (Exit 81). \$554,417.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$900,000.00
Pembroke/ Robeson Co. Div. 6 P-4900 STATEWIDE	WBS 41099.2.S1 Railroad Bypass of Pembroke to allow North to South shipments to turn East. \$3,054,338.00 has previously been approved for right of way. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a Strategic Transportation Investments Transition project. WBS will be closed.	\$11,068.43
Alamance Co. Div. 7 I-6009 STATEWIDE	WBS 47962.1.1 I-40 / I-85 at SR 1158 (Huffman Mill Road) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Alamance Co. Div. 7 U-5752 REGIONAL	WBS 51077.3.1 US 70 (S. Church Street) at St. Marks Church Road in Burlington. Intersection improvements. Initial funds are requested for construction.	\$1,900,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Alamance Co. Div. 7 U-5843 DIVISION	WBS 50233.3.1 US 70 (Church Street) at SR 1817 (Graham-Hopedale Road) in Burlington. Intersection improvements. Initial funds are requested for construction.	\$2,300,000.00
Guilford Co. Div. 7 I-6004 STATEWIDE	WBS 47958.1.1 I-40 / I-85 at SR 3056 (Rock Creek Dairy Road) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Greensboro/ Guilford Co. Div. 7 U-2525C STATEWIDE	WBS 34821.2.4 Greensboro Eastern Loop from US 29 north of Greensboro to SR 2303 (Lawndale Drive). \$27,032,824.00 has previously been approved for full right of way and utilities. Additional funds are requested to settle claims. This project has previously been identified as a Trust Fund Urban Loop project.	\$15,000,000.00
Guilford Co. Div. 7 U-5896 DIVISION	WBS 44674.1.2 US 29 / US 70 / Business 85 at SR 1009 (South Main Street) in High Point. Initial funds are requested for preliminary engineering.	\$775,000.00
Guilford Co. Div. 7 U-6100 STATEWIDE	WBS 48133.1.1 US 29 / US 70 / US 220 from SR 4240 (Gate City Boulevard) to south of I-785 in Greensboro. Initial funds are requested for preliminary engineering.	\$10,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Orange Co. Div. 7 R-5821B DIVISION	WBS 47093.3.3 NC 54 from SR 1006 (Orange Grove Road) to SR 1107 / SR 1937 (Old Fayetteville Road). Initial funds are requested for construction.	\$900,000.00
Orange Co. Div. 7 U-5846 DIVISION	WBS 50236.3.1 SR 1772 (Greensboro St.) at SR 1780 (Estes Drive) in Carrboro. Construct roundabout. Initial funds are requested for construction.	\$1,950,000.00
Orange Co. Div. 7 U-5854 DIVISION	WBS 46382.3.1 SR 1008 (Mt. Carmel Church Road) at SR 1913 (Bennett Road) in Chapel Hill. Construct roundabout. Initial funds are requested for construction.	\$1,200,000.00
Rockingham Co. Div. 7 R-5704 REGIONAL	WBS 46376.3.1 NC 87 - SR 1998 (Wentworth Street) / SR 1001 (Sandy Cross Road). Initial funds are requested for construction.	\$1,700,000.00
Forsyth/ Guilford Cos. Divs. 7/9 R-2577 STATEWIDE	WBS 37405.1.1 US 158 from the four-lane roadway north of I-40 in Forsyth County to US 220 in Guilford County. \$2,986,112.00 has previously been approved for preliminary engineering. Additional funds are requested for design work. This project has previously been identified as a Trust Fund Intrastate System project.	\$370,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Montgomery Co. Div. 8 R-0623 STATEWIDE	WBS 34352.3.2 NC 24-27 Troy Bypass from SR 1138 (Dairy Road) to east of Little River. \$6,672,338.00 has previously been approved for right of way. Additional funds are requested for settlements. This project has previously been identified as a Trust Fund Intrastate System project. This is a Strategic Transportation Investments Transition project.	\$200,000.00
Moore Co. Div. 8 R-5726 REGIONAL	WBS 50218.2.1 NC 211 from SR 1241 (Holly Grove School Road) to NC 73 in West End. Initial funds are requested for full right of way.	\$14,233,000.00
Randolph Co. Div. 8 U-5711 DIVISION	WBS 50160.1.1 SR 1712 (Pineview Street) from west of Sylvan Street to US 220 Business in Asheboro. \$280,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$135,000.00
Davie Co. Div. 9 U-6002 DIVISION	WBS 47137.2.1 Wilkesboro Street at Yadkinville Road in Mocksville. Initial funds are requested for full right of way and utilities.	\$450,000.00
Forsyth Co. Div. 9 R-2247 STATEWIDE	WBS 34409.1.1 Winston Salem Northern Beltway from US 158 to US 52. \$16,540,674.00 has previously been approved for preliminary engineering. Additional funds are requested for additional design work. This project has previously been identified as a Trust Fund Urban Loop project.	\$1,500,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Winston-Salem/ Forsyth Co. Div. 9 U-2579C REGIONAL	WBS 34839.1.9 Winston-Salem Northern Beltway (Eastern Section) from US 158 to US 311. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This project has previously been identified as a Trust Fund Urban Loop project.	\$140,000.00
Kernersville/ Forsyth Co. Div. 9 U-4734 DIVISION	WBS 36600.3.1 SR 2601 (Macy Grove Road Extension) from SR 1005 (East Mountain Street) to NC 150 (North Main Street). Initial funds are requested for construction based on the estimate from the 12-month Tentative Letting List published April 20, 2018.	\$13,500,000.00
Rowan Co. Div. 9 B-5769 DIVISION	WBS 45725.3.1 Replace Bridge #200 over Town Creek on SR 2539 (Peach Orchard Road). Initial funds are requested for construction.	\$875,000.00
Anson Co. Div. 10 R-5871 STATEWIDE	WBS 48127.1.1 US 74 from NC 742 (Graham Street) to Anson High School Road. Initial funds are requested for preliminary engineering.	\$10,000.00
Kannapolis/ Cabarrus Co. Div. 10 U-3440 REGIONAL	WBS 39010.2.2 NC 3 from proposed West Side Bypass (Project U-2009) to SR 1691 (Loop Road). \$11,110,000.00 has previously been approved for right of way. Additional funds are requested. This is a Strategic Transportation Investments Transition project.	\$400,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Cabarrus Co. Div. 10 U-4910A DIVISION	WBS 40373.2.D1 SR 1445 (Derita Road) from SR 2894 (Concord Mills Boulevard) to Aviation Boulevard. \$1,644,987.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$155,000.00
Cabarrus Co. Div. 10 U-5761 REGIONAL	WBS 50174.1.1 NC 3 (Dale Earnhardt Boulevard) at intersection of NC 3 and US 29/601 (Cannon Boulevard). \$349,890.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$215,000.00
Cabarrus Co. Div. 10 U-5806 DIVISION	WBS 44378.2.1 Intersection of SR 2894 (Concord Mills Boulevard) and Entrance No. 1 - Kings Grant Pavilion. \$335,000.00 has previously been approved for full right of way. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$995,000.00
Cabarrus Co. Div. 10 Y-4810K STATEWIDE	WBS 40325.2.46 Rogers Lake Road Overpass Project. Initial funds are requested for full right of way and utilities.	\$2,800,000.00
Mecklenburg Co. Div. 10 I-6012 STATEWIDE	WBS 47964.1.1 I-85 at I-485 interchange northeast of Charlotte. Initial funds are requested for preliminary engineering.	\$10,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Mecklenburg Co. Div. 10 I-6013 STATEWIDE	WBS 47965.1.1 I-85 at NC 24 (W.T. Harris Boulevard) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Mecklenburg Co. Div. 10 I-6014 STATEWIDE	WBS 47966.1.1 I-77 at I-85 interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Mecklenburg Co. Div. 10 I-6015 STATEWIDE	WBS 47967.1.1 I-485 at NC 51 (Pineville - Matthews Road) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Mecklenburg Co. Div. 10 I-6016 STATEWIDE	WBS 47968.1.1 I-85 at I-485 interchange west of Charlotte. Initial funds are requested for preliminary engineering.	\$10,000.00
Mecklenburg Co. Div. 10 I-6017 STATEWIDE	WBS 47969.1.1 I-85 at SR 2472 (Mallard Creek Road) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Mecklenburg Co. Div. 10 I-6019 STATEWIDE	WBS 47971.1.1 I-485 at NC 49 (South Tryon Street) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Mecklenburg Co. Div. 10 I-6020 STATEWIDE	WBS 47972.1.1 I-85 at NC 16 (Brookshire Boulevard) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Mecklenburg Co. Div. 10 I-6022 STATEWIDE	WBS 47974.1.1 I-277, Kenilworth Avenue to Graham Street. Initial funds are requested for preliminary engineering.	\$10,000.00
Mecklenburg Co. Div. 10 P-5705A STATEWIDE	WBS 44475.2.1 Charlotte Gateway Station - Wye Connection Track at Charlotte Junction. Initial funds are requested for full right of way and utilities.	\$1,000,000.00
Mecklenburg Co. Div. 10 U-6103 STATEWIDE	WBS 48136.1.1 US 74 (Independence Boulevard) from I-277 to NC 27 (Albemarle Road). Initial funds are requested for preliminary engineering.	\$10,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Alleghany Co. Div. 11 R-4060 DIVISION	WBS 34605.1.2 US 21 (Sparta Western Loop) from SR 1172 (Grandview Drive) to US 21. \$2,308,012.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This project has previously been identified as a Trust Fund Specific State Funds for Construction project.	\$120,000.00
Ashe Co. Div. 11 B-5147 DIVISION	WBS 42308.2.2 Replace Bridge #327 over Little Buffalo Creek on SR 1509 (Claybank Road). \$140,000.00 has previously been approved for utilities. Funds need to be decreased (\$140,000.00). WBS will be closed.	-\$140,000.00
Ashe Co. Div. 11 R-5832 DIVISION	WBS 47104.1.1 NC 88 from NC 88 to NC 194. \$250,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$185,000.00
Caldwell Co. Div. 11 U-4700 STATEWIDE	WBS 35993.2.12 US 321 from north of US 70 to SR 1933 (Southwest Boulevard). Initial funds are requested for Early Acquisition of 11 Total Take properties.	\$1,000,000.00
Caldwell Co. Div. 11 U-5776 REGIONAL	WBS 50187.3.1 Intersection of SR 1106 (Duke Street) and US 321A in Granite Falls. Realign intersection. Initial funds are requested for construction.	\$3,050,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Caldwell Co. Div. 11 U-5776 REGIONAL	WBS 50187.2.1 Intersection of SR 1106 (Duke Street) and US 321A in Granite Falls. Realign intersection. \$600,000.00 has previously been approved for full right of way and utilities. Additional funds are requested.	\$250,000.00
Watauga Co. Div. 11 R-5872 STATEWIDE	WBS 48128.1.1 US 421 at SR 1180 (Poplar Grove Connector) Initial funds are requested for preliminary engineering.	\$10,000.00
Watauga Co. Div. 11 R-5874 STATEWIDE	WBS 48132.1.1 US 321 at Deerfield Road and Meadowview. Initial funds are requested for preliminary engineering.	\$10,000.00
Iredell Co. Div. 12 B-4766 REGIONAL	WBS 38538.2.2 Replace Bridge #69 over Rocky Creek on NC 115. \$100,000.00 has previously been approved for utilities. Funds need to be decreased (\$99,963.10). WBS will be closed.	-\$99,963.10
Iredell Co. Div. 12 R-2522 REGIONAL	WBS 38794.1.2 US 21 - NC 115 from Cedar Lane Avenue in Troutman to SR 1336 (Barium Loop Road) in Barium Springs. \$615,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$175,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Iredell Co. Div. 12 R-3833C DIVISION	WBS 34554.1.3 SR 1100 (Brawley School Road) from I-77 to US 21. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$155,000.00
Iredell Co. Div. 12 U-5963 REGIONAL	WBS 45977.3.1 NC 115 (Mecklenburg Highway) from SR 1135 (Waterlynn Road) to Yellow Wood Drive. Initial funds are requested for construction.	\$430,000.00
Buncombe Co. Div. 13 I-6018 STATEWIDE	WBS 47970.1.1 I-40 at I-240 / US 74 alternate interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Buncombe Co. Div. 13 I-6021 STATEWIDE	WBS 47973.1.1 I-40 at SR 2838 (Porters Cove Road) interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Buncombe Co. Div. 13 I-6049 STATEWIDE	WBS 48149.1.1 I-26 from Exit 37 to Exit 44. Initial funds are requested for preliminary engineering.	\$10,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
McDowell Co. Div. 13 U-5818 DIVISION	WBS 44390.1.1 SR 1001 (Sugar Hill Road) from I-40 westbound ramps to 0.3 mile west of I-40 eastbound ramps. \$250,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$285,000.00
Rutherford Co. Div. 13 U-5833 DIVISION	WBS 50225.3.1 SR 2241 (Oak Street) from SR 2159 (Pine Ridge Road) to US 74. Initial funds are requested for construction.	\$4,400,000.00
Buncombe/ Haywood Cos. Divs. 13/14 U-6048 DIVISION	WBS 46994.1.1 US 19/US 23 from SR 1836 (Chestnut Mountain Road) to SR 1200 (Wiggins Road). Upgrade roadway. \$1,226,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$1,000,000.00
Cherokee/ Clay Cos. Div. 14 R-5847 DIVISION	WBS 47090.1.1 US 64 Business west of Hayesville to east of NC 141. Widen to four lanes divided. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$1,300,000.00
Clay Co. Div. 14 R-5863 DIVISION	WBS 47516.1.1 US 64 Business from Main Street to US 64. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$500,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Graham/ Swain Cos. Div. 14 R-5839 DIVISION	WBS 47109.1.1 NC 28 (Fontana Road) from NC 143 to US 129. Upgrade roadway. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$150,000.00
Haywood Co. Div. 14 U-5839 DIVISION	WBS 50230.1.1 US 276 (Russ Avenue) from US 23/74 to US 23 Business (Main Street). \$1,633,401.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$810,000.00
Haywood Co. Div. 14 U-5888 DIVISION	WBS 44625.1.1 Intersection of US 23 Business (North Main Street) and Walnut Street. \$181,484.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$280,000.00
Henderson Co. Div. 14 R-5207 DIVISION	WBS 45393.1.2 SR 1006 (Howard Gap Road) from US 25 in Fletcher to US 64. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This project has previously been identified as a Trust Fund Specific State Funds for Construction project.	\$225,000.00
Henderson Co. Div. 14 U-5840 DIVISION	WBS 50231.1.D1 SR 1545 (Old Airport Road) from US 25 to Mills Gap Road. \$915,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$215,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Henderson Co. Div. 14 U-5840 DIVISION	WBS 50231.2.1 SR 1545 (Old Airport Road) from US 25 to Mills Gap Road. \$900,000.00 has previously been approved for right of way. Additional funds are requested.	\$1,040,000.00
Henderson Co. Div. 14 U-6049 DIVISION/RE GIONAL	WBS 46995.1.1 NC 225 (South Main Street) from South Main Street at South King Street to US 176. Widen Bridge #143 to 5 lanes. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested using Regional tier funding.	\$580,000.00
Jackson Co. Div. 14 R-5841 DIVISION	WBS 47084.1.1 NC 107 from NC 281 to Shoal Creek at end of Climbing Lane. Widen pavement to 24 feet with 5 feet paved shoulders. \$20,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$320,000.00
Macon Co. Div. 14 R-5734A DIVISION	WBS 50192.1.1 US 23/ US 441 from US 64 to SR 1652 (Wide Horizon Drive) / SR 1152 (Belden Circle). \$1,619,319.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$162,000.00
Macon Co. Div. 14 R-5846 DIVISION	WBS 47089.1.1 NC 106 (Dillard Road) from Georgia State Line to US 64 (Main Street) in Highlands. Widen to four lanes divided. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$1,000,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Macon Co. Div. 14 U-5604 REGIONAL	WBS 45832.2.1 US 441 Business from US 23 / US 64 / US 441 to Porter Street. \$2,300,000.00 has previously been approved for full right of way and utilities. Additional funds are requested.	\$2,100,000.00
Macon Co. Div. 14 U-5604 REGIONAL	WBS 45832.1.1 US 441 Business from US 23 / US 64 / US 441 to Porter Street. \$1,040,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$340,000.00
Polk Co. Div. 14 R-5840 DIVISION	WBS 47083.1.1 NC 9 from US 74 to NC 108. Add paved shoulders. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$525,000.00
Polk Co. Div. 14 R-5873 STATEWIDE	WBS 48131.1.2 US 74 at NC 108 interchange. Initial funds are requested for preliminary engineering.	\$10,000.00
Swain/ Jackson Cos. Div. 14 R-4751 REGIONAL	WBS 40115.1.2 US 19 from SR 1152 (Hughes Branch Road) in Bryson City to SR 1195 (US 19A). \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$1,070,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Swain Co. Div. 14 R-5843 DIVISION	WBS 47085.2.1 SR 1321 (Bryson Walk), SR 1336 (Depot Street) from SR 1323 (Slope Street) to SR 1336 (Deep Creek Road). Improve intersection. Initial funds are requested for full right of way and utilities.	\$100,000.00
Swain Co. Div. 14 R-5845 DIVISION	WBS 47088.1.1 SR 1140 (Alarka Road) from US 74 to SR 1137 (Deep Gap Road). Upgrade roadway. \$250,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$335,000.00
Transylvania Co. Div. 14 R-5763 DIVISION	WBS 44638.1.1 SR 1540 (Wilson Road) from SR 1504 (Old US 64) to US 276. \$1,210,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$210,000.00
Transylvania Co. Div. 14 R-5799 REGIONAL	WBS 44984.1.1 Intersections of US 64, US 276 and NC 280. \$435,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$270,000.00
Transylvania Co. Div. 14 R-5800 REGIONAL	WBS 44985.1.1 US 64/US 276 from Fortune Cove Road to US 64 Business (North Caldwell Street). \$420,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$340,000.00

**NCDOT June 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Statewide M-0211 STATEWIDE	WBS 34264.1.2 The Center for Transportation Engineering Studies and Technical Services (CTES). Initial funds are requested for preliminary engineering.	\$450,000.00
Statewide M-0360 STATEWIDE/ REGIONAL/ DIVISION	WBS 36824.1.2 Design Services, statewide, preliminary engineering for miscellaneous projects. \$3,300,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Additional funds are requested using 40% Statewide (\$184,000.00) / 30% Regional (\$138,000.00) / 30% Division (\$138,000.00) Tier funding.	\$460,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	47 PROJECTS	\$69,781,068.43
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	25 PROJECTS	\$57,738,036.90
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	40 PROJECTS	\$40,715,000.00
STATEWIDE/REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	3 PROJECTS	\$480,000.00
DIVISION/REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$580,000.00
STATEWIDE/REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$240,000.00
STRATEGIC TRANSPORTATION INVESTMENTS	117 PROJECTS	\$169,534,105.33

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 2

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Pitt Co. B-4786 REGIONAL	38222.2.2, BRSTP-0013(041) Replace Bridge #38 over the Tar River on US 13 in Greenville. Funds are needed for full right of way and utilities.	\$1,000,000.00 \$800,000.00 \$200,000.00	Cost Fed. State

Safety

Beaufort Co. W-5702D REGIONAL	44848.3.4, HSIP-033(016) NC 33 in Beaufort County between Milepost 9.69 and Milepost 34.50; NC 33 in Pitt County at Milepost 26.72; SR 1700 (Adams Creek Road) in Craven County at Milepost 0.00 at the Carteret County Line. Funds are needed for construction to install guardrail.	\$355,190.00 \$319,671.00 \$35,519.00	Cost Fed. State
Carteret Co. SS-4902CU STATEWIDE	47921.1.1, HSIP-0070(219) US 70 (Arendell Street) at SR 1749(24th Street). Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State
Carteret Co. W-5702J REGIONAL	44848.1.10, HSIP-0024(086) NC 24 in Carteret County from NC 24 between Bryan Street and US 70 and US 70 between NC 24 and Rochelle Drive. Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 2 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Craven Co. W-5702K REGIONAL	44848.1.11, HSIP-0043(028) NC 43 in Craven County from NC 43 (Washington Post Road) at NC 55 (Neuse Boulevard). Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Cost Fed. State
Lenoir Co. W-5702F REGIONAL	44848.3.6, HSIP-0011(037) NC 11 at SR 1161 (Albrittons Road / Greene Haynes Road). Funds are needed for construction for safety improvements.	\$701,500.00 \$631,350.00 \$70,150.00	Cost Fed. State

Planning and Research

Beaufort Co. M-0492AB STATEWIDE	44527.1.32, SPR-0SPR(0159) 2018 Municipal Planning Grant-Beaufort. Funds are needed for preliminary engineering.	\$36,929.00 \$29,543.00 \$7,386.00	Cost Fed. State
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 3

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Brunswick Co. SS-4903DP DIVISION	49722.1.1, HSIP-1115(027) SR 1115 (Old Ferry Connection Road) and SR 1124 (Stanbury Road). Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Cost Fed. State
Brunswick Co. W-5703I DIVISION	44849.1.9, HSIP-1303(009) SR 1303 (Hickman Road) at SR 1300 (Ash-Little River Road). Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State

High Priority

Onslow Co. U-5319 DIVISION	45433.3.1, HPPSTP-1308(013) SR 1308 (Gum Branch Road) and SR 1470 (Western Boulevard). Funds are needed for construction for concrete medians.	\$3,570,000.00 \$2,856,000.00 \$714,000.00	Cost Fed. State
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Johnston Co. I-4739 STATEWIDE	36595.2.1, IMF-0404(122)313 I-40 access improvements in the vicinity of existing I-40/NC 42 interchange (exit 312). Funds are needed for full right of way. This is a Design Build Project. This project is subject to FHWA approval.	\$26,950,000.00 \$21,560,000.00 \$5,390,000.00	Cost Fed. State
Johnston Co. I-4739 STATEWIDE	36595.2.2, IMF-040-4(122)313 I-40 access improvements in the vicinity of existing I-40/NC 42 interchange (exit 312). Funds are needed for utilities. This is a Design Build Project. This project is subject to FHWA approval.	\$3,150,000.00 \$2,520,000.00 \$630,000.00	Cost Fed. State
Safety			
Halifax Co. SS-4904EN REGIONAL	47923.1.1, HSIP-0158(072) US 158 westbound couplet (Second Street) at South Walnut Street. Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Cost Fed. State
Johnston Co. W-5204D DIVISION	45334.3.4, HSIP-0210(030) NC 210 from SR 1309 (Old Fairground Road) to NC 50 and NC 210 west of I-40 Eastbound Ramps. Funds are needed for construction for safety improvements.	\$850,000.00 \$765,000.00 \$85,000.00	Cost Fed. State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Nash Co. SS-4904EO DIVISION	47924.1.1, HSIP-1603(005) SR 1603 (Old Carriage Road) at SR 1604 (Hunter Hill Road). Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State

Planning and Research

Johnston Co. M-0492AA STATEWIDE	44527.1.31, SPR-0SPR(158) 2018 Municipal Planning Grant-Archer Lodge. Funds are needed for preliminary engineering.	\$28,416.00 Cost \$22,732.00 Fed. \$5,684.00 State
Wilson Co. M-0492AJ STATEWIDE	44527.1.40, SPR-0SPR(167) 2018 Municipal Planning Grant-Wilson. Funds are needed for preliminary engineering.	\$32,345.00 Cost \$25,876.00 Fed. \$6,469.00 State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wake Co. I-5111 STATEWIDE/ REGIONAL	42346.2.1, IMNHF-0404(139)301 I-40 from Wake County Line to NC 42. Funds are needed for full right of way and utilities. This is a Design Build Project. This project is subject to FHWA approval.	\$36,945,000.00 \$29,556,000.00 \$7,389,000.00	Cost Fed. State
Wake Co. I-5111 STATEWIDE	42346.3.1, IMNHF)0404(139)301 I-40 from Wake County Line to NC 42 (combined with: I-4739: I-40 access improvements in the vicinity of existing I-40/NC42 interchange (exit 312); U-6093: SR 2542 (Rock Quarry Road) from Olde Birch Road to SR 2544 (Sunnybrook Road)). This is a Design Build Project. This project is subject to FHWA approval. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9, 2018.	\$362,801,000.00 \$290,240,800.00 \$72,560,200.00	Cost Fed. State

Congestion Mitigation

Franklin Co. C-5610E EXEMPT	43732.1.6, CMAQ-0514(006) North Main Street and Hospital sidewalks and a crosswalk at Smoketree Way. Funds are needed for preliminary engineering.	\$43,163.00 \$34,530.00 \$8,633.00	Cost Fed. Local
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Urban

Wake Co. U-6093 DIVISION	47748.3.1, STBGDA-2542(004) SR 2542 (Rock Quarry Road) from Olde Birch Road to SR 2544 (Sunnybrook Road)(Combined with: I-4739: I-40 access improvements in the vicinity of existing I-40/NC 42 Interchange (exit 312);I-5111: I-40 from Wake County line to NC 42). This is a Design Build Project. This project is subject to FHWA approval. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9, 2018.	\$11,062,000.00 \$7,743,000.00 \$3,319,000.00	Cost Fed. Local
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wake Co. U-6093 DIVISION	47748.2.1, STBGDA-2542(004) SR 2542 (Rock Quarry Road) from Olde Birch Road to SR 2544 (Sunnybrook Road). Funds are needed for full right of way and utilities. This is a Design Build Project. This project is subject to FHWA approval.	\$1,891,000.00 \$1,324,000.00 \$567,000.00	Cost Fed. Local

Bridge

Wake Co. B-5237 DIVISION	42838.3.1, BRZ-2703(001) Replace Bridge #248 over Mahler's Creek on SR 2703. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9, 2018.	\$2,100,000.00 \$1,680,000.00 \$420,000.00	Cost Fed. State
Wake Co. B-5326 DIVISION	46040.2.1, BRZ-2555(001) Replace Bridge #247 over White Oak Creek on SR 2555. Funds are needed for full right of way and utilities.	\$402,000.00 \$321,600.00 \$80,400.00	Cost Fed. State

Safety

Durham Co. SS-4905FJ DIVISION	47925.1.1, HSIP-1121(014) SR 11231 (Cornwallis Road) at SR 1954 (Northeast Creek Parkway). Funds are needed for preliminary engineering.	\$3,000.00 \$2,700.00 \$300.00	Cost Fed. State
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Durham Co. W-5705N STATEWIDE	44851.3.14, HSIP-0085(038) I-85 at Club Boulevard, Glen School Road, Red Mill Road, Redwood Road Interchange Ramps. Funds are needed for construction to widen pavement of interchange ramps.	\$139,100.00 \$125,190.00 \$13,910.00	Cost Fed. State
Wake Co. SS-4905FK DIVISION	47926.1.1, HSIP-2542(003) SR 2542 (Rock Quarry Road) at SR 2550 (Pearl Road). Funds are needed for preliminary engineering.	\$3,000.00 \$2,700.00 \$300.00	Cost Fed. State

Planning and Research

Warren Co. M-0492AI STATEWIDE	44527.1.39, SPR-0SPR(166) 2018 Municipal Planning Grant-Warrenton. Funds are needed for preliminary engineering.	\$28,417.00 \$22,733.00 \$5,684.00	Cost Fed. State
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Cumberland Co. SS-4906DS DIVISION	47934.1.1, HSIP-2244(001) SR 2244 (John McMillan Road) at SR 2252 (Chickenfoot Road). Funds are needed for preliminary engineering.	\$1,000.00 \$900.00 \$100.00	Cost Fed. State
Cumberland Co. SS-4906DT REGIONAL	47935.1.1, HSIP-0087(043) NC 87 from the Bladen County Line to SR 2212 (Doc Bennett Road). Funds are needed for preliminary engineering.	\$1,000.00 \$900.00 \$100.00	Cost Fed. State
Cumberland Co. W-5706K REGIONAL	44852.3.11, HSIP-0210(042) NC 210 from North Fifth Street to just south of the Wal-Mart entrance. Funds are needed for construction for pedestrian walkways.	\$75,000.00 \$67,500.00 \$7,500.00	Cost Fed. State
Harnett Co. SS-4906DQ REGIONAL	47927.1.1, HSIP-0027(020) NC 27/SR 1006 (Old Stage Road) at SR 2084 (Leslie Campbell Avenue); and SR 1006 ar SR 1516 (Sheriff Johnson Road). Funds are needed for preliminary engineering.	\$2,000.00 \$1,800.00 \$200.00	Cost Fed. State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Robeson Co. SS-4906DR REGIONAL	47928.1.1, HSIP-0071(010) NC 71 from NC 211 to SR 1752 (Rennert Road). Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State

Planning and Research

Cumberland Co. M-0492AE STATEWIDE	44527.1.35, SPR-0SPR(162) 2018 Municipal Planning Grant-Fayetteville. Funds are needed for preliminary engineering.	\$67,048.00 \$53,638.00 \$13,410.00	Cost Fed. State
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Rail Program

Cumberland Co. Z-5700FC DIVISION	44803.1.25, RR-1318(016) Railway-Highway Grade Crossing Safety project SR 1318 (Buie Philadelphus Road) at CSX Crossing #629 592E. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State
Cumberland Co. Z-5700FD DIVISION	44803.1.26, RR-1006(050) Railway-Highway Grade Crossing Safety project SR 1006 (Morgan J. Road)/West Great Marsh Church Road and CSX Transportation Tracks; Crossing #629 584M. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6 (Continued)

Rail Program

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Cumberland Co. Z-5700FE REGIONAL	44803.1.27, RR-0071(011) Railway-Highway Grade Crossing Safety project NC 71 (David Parnell Street) at CSX Transportation tracks; Crossing #629 902W in Parkton. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State
Robeson Co. Z-5400FT REGIONAL	43600.3.82, RR-0711(017) Railway-Highway Grade Crossing Safety Project at NC 711 (Third Street); Railroad Crossing #629 601B in Pembroke. \$582,000.00 has previously been approved for construction. Additional funds are needed to upgrade existing traffic control crossing warning devices.	\$727,500.00 \$582,000.00 \$145,500.00	Cost Fed. State
Robeson Co. Z-5400FV REGIONAL	43600.3.70, RR-0020(008) Railway-Highway Grade Crossing Safety Project. NC 20 (West Broad Street) at CSX Transportation Tracks; Crossing #631 530G in Saint Pauls. Funds are needed for construction to install cantilevers and associated circuitry .	\$337,500.00 \$270,000.00 \$67,500.00	Cost Fed. State
Robeson Co. Z-5700FA REGIONAL	44803.3.3, RR-0501(044) Railway-Highway Grade Crossing Safety Project US 501 (Main Street) and the CSX Transportation Tracks; Crossing #629 619L in Rowland. \$420,000.00 has previously been approved for construction. Additional funds are needed as requested.	\$350,000.00 \$280,000.00 \$70,000.00	Cost Fed. State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 7

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Guilford Co. I-5811 STATEWIDE	50454.3.1, NHPIM-0040(009)214 I-40 from west of I-73 to East Holden Road Overpass in Greensboro. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9, 2018.	\$2,125,000.00 Cost \$1,700,000.00 Fed. \$425,000.00 State

Urban

Guilford Co. U-5169 REGIONAL	45220.3.1, NHS-0311(032) I-74/US 311 and NC 68 (Eastchester Avenue) Interchange. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9, 2018. This is a 2 year cashflow project with:\$8,450,000.00 FY18; \$8,450,000 FY19.	\$16,900,000.00 Cost \$13,520,000.00 Fed. \$3,380,000.00 State
Rockingham Co. U-3326B(L) REGIONAL	34924.3.3, STP-0029(069) US 29 Business (Freeway Drive) from SR 2670 (South Scales Street) to NC 14 in Reidsville (combined with:US 29 Business (Freeway Drive) from SR 2670(South Scales Street) to north of US 158 (Richardson Drive)). Funds are needed for construction for Landscaping.	\$380,618.00 Cost \$304,494.00 Fed. \$76,124.00 State

Safety

Guilford Co. SS-4907CE STATEWIDE	47938.1.1, HSIP-0073(050) Guilford County northbound I-73 at exit 2 (Friendly Avenue); Guilford County southbound I-73 at exit 1 (I-40 westbound); Guilford County southbound I-73 at exit 97A (US29/US70); Guilford County I-85 southbound at exit 121 (I-73 northbound). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 7 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Orange Co.	47936.1.1, HSIP-1710(007)	\$40,000.00	Cost
SS-4907CD	SR 1710 (Old NC10) approximately 1400 feet west of	\$36,000.00	Fed.
DIVISION	SR 1561/SR 1709 (Lawrence Road) east of Hillsborough. Funds are needed for preliminary engineering.	\$4,000.00	State

Planning and Research

Orange Co.	44527.1.33, SPR-0SPR(160)	\$36,929.00	Cost
M-0492AC	2018 Municipal Planning Grant-Carrboro. Funds are needed for	\$29,543.00	Fed.
STATEWIDE	preliminary engineering.	\$7,386.00	State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 8

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Hoke Co. SS-4908BV DIVISION	47939.1.1, HSIP-1408(003) SR 1408 (Club Pond Road) 0.3 miles north of SR 1406 (Rockfish Road). Funds are needed for preliminary engineering.	\$2,000.00 \$1,800.00 \$200.00	Cost Fed. State
Lee Co. W-5708C DIVISION	44854.3.3, HSIP-1140(17) SR 1140 (Frank Wicker Road) west of NC 87. Funds are needed for construction for safety improvements.	\$600,500.00 \$540,450.00 \$60,050.00	Cost Fed. State

Planning and Research

Chatham Co. M-0492AH STATEWIDE	44527.1.38, SPR-0SPR(165) 2018 Municipal Planning Grant-Pittsboro. Funds are needed for preliminary engineering.	\$28,417.00 \$22,733.00 \$5,684.00	Cost Fed. State
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 9

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Rowan Co. C-5603D EXEMPT	43713.1.4, CMAQ-1002(051) Old Concord Road from Ryan Street to Jake Alexander Boulevard. Funds are needed for preliminary engineering.	\$45,000.00 \$36,000.00 \$9,000.00	Cost Fed. Local

Safety

Davidson Co. SS-4909CD DIVISION	47940.1.1, HSIP-2085(007) SR 2085 (Baptist Children's Home Road) located approximately 1650 feet north of SR 2776 (Optimist Park Road) and continuing northward for approximately 900 feet. Funds are needed for preliminary engineering.	\$30,000.00 \$27,000.00 \$3,000.00	Cost Fed. State
Davidson Co. W-5709D DIVISION	44855.3.4, HSIP-3346(003) SR 3346 (S. Main Street) at SR 3158 (Anna Lewis Drive) / SR 1298 (Grimes Boulevard); SR 3346 (S. Main Street) at relocated SR 3157 (Brian Center Drive); SR 3157 (Brian Center Drive) at SR 1298 (Grimes Boulevard). Funds are needed for construction for safety improvements.	\$1,150,000.00 \$1,035,000.00 \$115,000.00	Cost Fed. State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 10

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Mecklenburg Co. I-5797 STATEWIDE	50441.3.1, NHPIM-0085(041) I-85 from I-77 to Milemarker 42.1. \$415,000.00 has previously been approved for construction. Additional funds are requested.	\$320,000.00 \$256,000.00 \$64,000.00	Cost Fed. State

Urban

Union Co. U-3467 REGIONAL	39019.2.1, STP-1316(010) NC 84 from NC 16 to SR 1008 (Waxhaw-Indian Trail Road) in Wesley Chapel. Funds are needed for full right of way and utilities.	\$16,050,000.00 \$12,840,000.00 \$3,210,000.00	Cost Fed. State
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Safety

Mecklenburg Co. W-5601FJ REGIONAL	50138.3.167, HSIP-0073(044) NC 73 (Davidson Concord Road) and SR 2427 (Ramah Church Road) near Huntersville. \$350,000.00 has previously been approved for construction. Additional funds are needed for construction for retroreflective pavement markings.	\$100,000.00 \$90,000.00 \$10,000.00	Cost Fed. State
Union Co. W-5601DK DIVISION	50138.3.116, HSIP-1315(017) SR 1315 (New Town Road) intersecting with SR 2948 (Marvin School Road) and SR 1307 (Waxhaw Marvin Road) in Marvin. Funds are needed for construction to construct a roundabout.	\$600,000.00 \$540,000.00 \$60,000.00	Cost Fed. State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 10 (Continued)

Rail Program

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Union Co. Z-5700JB DIVISION	44803.3.16, RR-1015(015) Railway-Highway Grade Crossing Safety Project at Secrest Avenue at CSX Crossing #631 578J in Monroe. Funds are needed for construction to install flashers and gates.	\$410,000.00	Cost
		\$369,000.00	Fed.
		\$41,000.00	State

Bicycle and Pedestrian

Mecklenburg Co. EB-5775 DIVISION	46417.3.1, STPDA-1001(84) Cornelius-South Prong Rocky River Greenway (South Street- Main Street). Funds are needed for construction to construct a greenway.	\$1,050,000.00	Cost
		\$840,000.00	Fed.
		\$210,000.00	Local

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 11

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Yadkin Co. SS-4911BA STATEWIDE	47942.1.1, HSIP-0421(098) US 421 from I-77 to SR 1103. Funds are needed for preliminary engineering.	\$7,000.00 Cost \$6,300.00 Fed. \$700.00 State

Planning and Research

Caldwell Co. M-0492AF STATEWIDE	44527.1.36, SPR-0SPR(163) 2018 Municipal Planning Grant-Hudson. Funds are needed for preliminary engineering.	\$28,417.00 Cost \$22,733.00 Fed. \$5,684.00 State
Surry Co. M-0492AD STATEWIDE	44527.1.34, SPR-0SPR(161) 2018 Municipal Planning Grant-Elkin. Funds are needed for preliminary engineering.	\$28,416.00 Cost \$22,732.00 Fed. \$5,684.00 State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Catawba Co. I-5915A STATEWIDE	45919.3.2, NHPIM-0040(074) I-40 Catawba County from Bridges #171 and #172 over 4th Avenue to east of NC 115. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9, 2018. This is a 2 year cash flow project with:\$12,500,000.00 FY18: \$12,500,000.00 FY19.	\$25,000,000.00 Cost \$20,000,000.00 Fed. \$5,000,000.00 State

Safety

Catawba Co. SS-4912CR DIVISION	47944.1.1, HSIP-1005(047) SR 1005 (Startown Road) at SR 1167 (23rd Street Drive southeast). Funds are needed for preliminary engineering.	\$6,000.00 Cost \$5,400.00 Fed. \$600.00 State
Catawba Co. SS-4912CS REGIONAL	47945.1.1, HSIP-0127(015) NC 127 at SR 1306 (2nd Avenue northeast). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Gaston Co. SS-4912CQ DIVISION	47943.1.1, HSIP-1133(010) SR 1133 (Linwood Road) at SR 1131 (Chapel Grove Road/Linwood Road). Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 12 (Continued)

Planning and Research

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Gaston Co.	44527.1.37, SPR-0SPR(164)	\$28,417.00	Cost
M-0492AG	2018 Municipal Planning Grant-Lowell. Funds are needed for	\$22,733.00	Fed.
STATEWIDE	preliminary engineering.	\$5,684.00	State

Bicycle and Pedestrian

Gaston Co.	50426.1.1, SPR-0SPR(168)	\$125,000.00	Cost
EB-5749	Mount Holly-NC 27 (East Charlotte Avenue) from NC 273	\$100,000.00	Fed.
DIVISION	(Highland Street) to East Bank of Catawba River. Funds are needed for preliminary engineering.	\$25,000.00	Local

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 13

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Buncombe Co. B-5400 DIVISION	46115.3.1, BRZ-3466(002) Replace Bridge #259 over South Hominy Creek on SR 3466. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9,2018.	\$600,000.00 Cost \$480,000.00 Fed. \$120,000.00 State

Safety

Buncombe Co. SS-4913CU DIVISION	47946.1.1, HSIP-1224(017) SR 1224 (Monte Vista Road) at SR 1238 (Holbrook Road/Edgewood Road) near Asheville. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
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**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 14

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Jackson Co.	47947.1.1, HSIP-0107(015)	\$20,000.00	Cost
SS-4914DM	NC 107 from SR 1132 to 0.63 mile south of SR 1158 near	\$18,000.00	Fed.
REGIONAL	Glennville. Funds are needed for preliminary engineering.	\$2,000.00	State

**NCDOT June 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Statewide

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Statewide C-5702A EXEMPT	44907.1.1, CMAQ-000S(895) North Carolina Clean Energy Technology Center. Conduct a Clean Fuel-Advanced Technology Outreach and Awareness Program. \$724,794.00 has previously been approved for Preliminary Engineering. Additional funds are needed for the education and outreach program.	\$905,993.00 \$724,794.00 \$181,199.00	Cost Fed. Local

Planning and Research

Statewide M-0426 EXEMPT	45122.1.1, PDT-000S(543) Professional Development Training. \$966,100.00 has previously been approved for preliminary engineering. Additional funds are needed for the Highway Funding course.	\$100,000.00 \$100,000.00	Cost Fed.
Statewide M-0512 STATEWIDE	44843.10.6, SPR-0SPR(096) Feasibility Studies. \$1,124,900.00 has previously been approved for Feasibility Studies. Funds need to be decreased (\$125,000.00), funds are being used to set up project EB-5749.	-\$125,000.00 -\$100,000.00 -\$25,000.00	Cost Fed. State

ITEM M SUMMARY - 74 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$520,387,815.00

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 2

* P-5742 NS/NCRR EC LINE, CONSTRUCT GRADE SEPARATION
CRAVEN AT US 70 EASTBOUND AND WESTBOUND. CLOSE
PROJ.CATEGORY EXISTING AT-GRADE CROSSING NEAR NEWPORT.
STATEWIDE PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* R-5777C US 70, THURMAN ROAD TO HAVELOCK BYPASS.
CRAVEN UPGRADE ROADWAY TO FREEWAY AND CONSTRUCT
PROJ.CATEGORY SERVICE ROADS.
STATEWIDE PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* U-6102 US 70, SR 1309 (GLENBURNIE ROAD). IMPROVE
CRAVEN INTERCHANGE.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.
STATEWIDE

DIVISION 3

* AV-5795 WILMINGTON INTERNATIONAL (ILM), EXPAND THE
NEW HANOVER GENERAL AVIATION APRON.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.
STATEWIDE

* AV-5796 WILMINGTON INTERNATIONAL (ILM), INCREASE WIDTH
NEW HANOVER OF ALL TAXIWAYS.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.
STATEWIDE

* AV-5798 WILMINGTON INTERNATIONAL (ILM), TAXIWAY
NEW HANOVER IMPROVEMENTS.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.
STATEWIDE

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 3

* AV-5799 NEW HANOVER PROJ.CATEGORY STATEWIDE	WILMINGTON INTERNATIONAL (ILM), WIDEN NORTH-SOUTH TAXIWAY SYSTEM. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* AV-5801 NEW HANOVER PROJ.CATEGORY STATEWIDE	WILMINGTON INTERNATIONAL (ILM), EXPANSION OF AIR CARRIER APRON. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* AV-5885 NEW HANOVER PROJ.CATEGORY STATEWIDE	ILM - WILMINGTON INTERNATIONAL AIRPORT, REHABILITATE RUNWAY. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* AV-5886 NEW HANOVER PROJ.CATEGORY STATEWIDE	ILM - WILMINGTON INTERNATIONAL AIRPORT, TAXIWAY J IMPROVEMENTS <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* P-5740 NEW HANOVER PROJ.CATEGORY STATEWIDE	CSX SE LINE, TIE AND RAIL REHABILITATION. IMPROVEMENTS TO HIGHWAY GRADE CROSSINGS, CURVE RE-ALIGNMENTS AND UPGRADE SWITCH OPERATIONS. CLOSE AND IMPROVE VARIOUS EXISTING AT GRADE CROSSINGS. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* U-4007F ON SLOW PROJ.CATEGORY STATEWIDE	US 17, MCDANIEL DRIVE/WORKSHOP LANE. UPGRADE INTERSECTION. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 4

* P-5741
NORTHAMPTON
HALIFAX
PROJ.CATEGORY
STATEWIDE

CSX A LINE, CONSTRUCT NEW MAIN TRACK BETWEEN MP A-80.7 AND MP A-82.4 INCLUDING REHABILITATION OF CSX SA-LINE BRIDGE OVER ROANOKE RIVER. NEW CONNECTION BETWEEN A-LINE AND SA-LINE AT MP A-80.7. RECONSTRUCT MAIN TRACK BETWEEN MP A-82.4 AND MP A-84.7. CREATE SECOND MAIN TRACK BETWEEN NEW CONNECTION AT A-80.7 AND EXISTING WELDON RR CONTROL POINT AT A-84.7. CLOSE EXISTING CAROLINA AVENUE AT-GRADE CROSSING.

PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STIP PROJECT.

* U-6101
JOHNSTON
WAKE
PROJ.CATEGORY
STATEWIDE

I-40; I-87; I-440; US 1 / US 64, I-40 FROM SR 1728 (WADE AVENUE) TO NC 42, I-440, I-87 FROM I-40 TO I-540, US 1 FROM NC 540 TO I-40. CONVERT FACILITIES TO MANAGED FREEWAYS, TO INCLUDE RAMP METERING.

PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STIP PROJECT.

DIVISION 5

* I-0305
DURHAM
ORANGE
PROJ.CATEGORY
STATEWIDE

I-85, WEST OF SR 1006 (ORANGE GROVE ROAD) IN ORANGE COUNTY TO WEST OF SR 1400 (SPARGER ROAD) IN DURHAM COUNTY. ADD LANES.

PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STIP PROJECT.

* I-6005
WAKE
PROJ.CATEGORY
STATEWIDE

I-87 / US 64 / US 264, US 64 BUSINESS (WENDELL BOULEVARD) TO US 264. WIDEN TO 6 LANES.

PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STIP PROJECT.

* I-6006
WAKE
DURHAM
PROJ.CATEGORY
STATEWIDE

I-40, NC 54 (EXIT 273) TO SR 1728 (WADE AVENUE). CONVERT FACILITY TO A MANAGED FREEWAY WITH RAMP METERING AND OTHER ATM / ITS COMPONENTS.

PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STIP PROJECT.

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 5

* I-6007 WAKE PROJ.CATEGORY STATEWIDE	I-87 / US 64 / US 264, SR 2233 (SMITHFIELD ROAD). CONVERT INTERCHANGE TO DIVERGING DIAMOND. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* I-6010 DURHAM PROJ.CATEGORY STATEWIDE	I-85 / US 15, EAST OF SR 1827 (MIDLAND TERRACE) TO SR 1632 (RED MILL ROAD) IN DURHAM. ADD LANES. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* P-5734 WAKE PROJ.CATEGORY STATEWIDE	NORTH CAROLINA RAILROAD / NORFOLK SOUTHERN H LINE / CSX S LINE, SR 1655 (TRINITY ROAD) IN CARY. CONSTRUCT GRADE SEPARATION AND CLOSE CROSSING 630657S. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* P-5736 WAKE PROJ.CATEGORY STATEWIDE	NORTH CAROLINA RAILROAD; NORFOLK SOUTHERN H LINE; CSX S LINE, BERYL ROAD CROSSING IN RALEIGH. EXTEND BERYL ROAD TO ROYAL AVENUE, AND CLOSE CROSSING 630647L. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* P-5737 WAKE PROJ.CATEGORY STATEWIDE	CSX S LINE, SR 2108 (MILLBROOK ROAD) IN RALEIGH. CONSTRUCT GRADE SEPARATION AND CLOSE CROSSING 630605A. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>
* P-5738 WAKE PROJ.CATEGORY STATEWIDE	NORTH CAROLINA RAILROAD / NORFOLK SOUTHERN H LINE, SR 2713 (VANDORA SPRINGS ROAD) IN GARNER. CONSTRUCT GRADE SEPARATION AND CLOSE CROSSING 735324J. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</u>

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 5

* P-5739 CSX S LINE, SR 1415 (WEST MAYNARD ROAD) IN CARY.
WAKE CONSTRUCT GRADE SEPARATION AND CLOSE
PROJ.CATEGORY CROSSING 643400U.
STATEWIDE PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

DIVISION 6

* B-5993	LOUISE STREET, REPLACE BRIDGE NO. 250211 OVER	RIGHT-OF-WAY	FY 2019 -	\$50,000	(STBGOFF)
CUMBERLAND	BEAVER CREEK IN FAYETTEVILLE.		FY 2019 -	\$13,000	(L)
PROJ.CATEGORY	<u>BRIDGE REPLACEMENT PROJECT ADDED AT</u>	UTILITIES	FY 2019 -	\$154,000	(STBGOFF)
DIVISION	<u>REQUEST OF CITY.</u>		FY 2019 -	\$39,000	(L)
		CONSTRUCTION	FY 2019 -	\$920,000	(STBGOFF)
			FY 2019 -	\$230,000	(L)
				<u>\$1,406,000</u>	

DIVISION 7

* I-6004 I-40 / I-85, SR 3056 (ROCK CREEK DAIRY ROAD)
GUILFORD INTERCHANGE. UPGRADE INTERCHANGE AREA.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.
STATEWIDE

* I-6009 I-40 / I-85, SR 1158 (HUFFMAN MILL ROAD)
ALAMANCE INTERCHANGE. CONSTRUCT ADDITIONAL RIGHT
PROJ.CATEGORY TURN LANE ON I-40 WESTBOUND RAMP AND IMPROVE
STATEWIDE OPERATIONS AT SR 1308 (GARDEN ROAD)
INTERSECTION.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* P-5735 NORFOLK SOUTHERN MAIN LINE, SR 1584
GUILFORD (YANCEYVILLE STREET) IN GREENSBORO.
PROJ.CATEGORY CONSTRUCT GRADE SEPARATION AND CLOSE
STATEWIDE CROSSING 722542D.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* U-6100 US 29; US 70; US 220, SR 4240 (GATE CITY
GUILFORD BOULEVARD) TO SOUTH OF I-785 IN GREENSBORO.
PROJ.CATEGORY ACCESS MANAGEMENT IMPROVEMENTS AND SAFETY
STATEWIDE ENHANCEMENTS, INCLUDING RAMP CLOSURES AND
CONSOLIDATIONS.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 10

* AV-5879 MECKLENBURG PROJ.CATEGORY STATEWIDE	CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT, CONSTRUCT FOURTH PARALLEL RUNWAY. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* AV-5880 MECKLENBURG PROJ.CATEGORY STATEWIDE	CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT, EXPAND WEST RAMP NEAR CONCOURSE A - PHASE I. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* AV-5881 MECKLENBURG PROJ.CATEGORY STATEWIDE	CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT, EXPAND WEST RAMP NEAR CONCOURSE A - PHASE II. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6012 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-85, I-485 INTERCHANGE NORTHEAST OF CHARLOTTE. IMPROVE INTERCHANGE <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6013 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-85, NC 24 (W.T. HARRIS BOULEVARD) INTERCHANGE. IMPROVE INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6014 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-77, I-85 INTERCHANGE. IMPROVE INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 10

* I-6015 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-485, NC 51 (PINEVILLE-MATTHEWS ROAD) INTERCHANGE. IMPROVE INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6016 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-85, I-485 INTERCHANGE WEST OF CHARLOTTE. IMPROVE INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6017 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-85, SR 2472 (MALLARD CREEK ROAD) INTERCHANGE. IMPROVE INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6019 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-485, NC 49 (SOUTH TRYON STREET) INTERCHANGE. IMPROVE INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6020 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-85, NC 16 (BROOKSHIRE BOULEVARD) INTERCHANGE. IMPROVE INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>
* I-6022 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-277, KENILWORTH AVENUE TO GRAHAM STREET. UPGRADE INTERCHANGES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.</i></u>

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 10

* P-5744 CSX SF LINE, SR 1377 (WESLEY CHAPEL STOUTS
UNION ROAD). CONSTRUCT GRADE SEPERATION.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* R-5871 US 74, NC 742 (GRAHAM STREET) TO ANSON HIGH
ANSON SCHOOL ROAD. CONSTRUCT ACCESS MANAGEMENT
PROJ.CATEGORY IMPROVEMENTS.
STATEWIDE PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* U-6103 US 74 (INDEPENDENCE BLVD), I-277 TO NC 27
MECKLENBURG (ALBEMARLE ROAD). WIDEN ROADWAY TO ALLOW
PROJ.CATEGORY FOR TWO-WAY MANAGED LANES OPERATIONS.
STATEWIDE PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

DIVISION 11

* R-5872 US 421, SR 1180 (POPLAR GROVE CONNECTOR).
WATAUGA CONSTRUCT ROUNDABOUT.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* R-5874 US 321, DEERFIELD ROAD AND MEADOWVIEW ROAD.
WATAUGA REALIGN OFFSET INTERSECTION.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

DIVISION 13

* AV-5882 ASHEVILLE REGIONAL AIRPORT, EXPAND TERMINAL
BUNCOMBE APRON TO THE SOUTH.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 13

* AV-5883 ASHEVILLE REGIONAL AIRPORT, EXPAND TERMINAL
BUNCOMBE APRON TO THE NORTH.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* I-6018 I-40, I-240 / US 74 ALTERNATE INTERCHANGE.
BUNCOMBE IMPROVE INTERCHANGE.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* I-6021 I-40, SR 2838 (PORTERS COVE ROAD) INTERCHANGE.
BUNCOMBE IMPROVE INTERCHANGE.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

* I-6049	I-26, FROM EXIT 37 TO EXIT 44, EAST AND WEST	CONSTRUCTION	FY 2018 -	\$1,500,000	(NHPIM)
BUNCOMBE	BOUND LANES. REPAIR CONCRETE SLABS ON I-26			\$1,500,000	
PROJ.CATEGORY	<u>PROJECT ADDED AT REQUEST OF DIVISION.</u>				
STATEWIDE					

DIVISION 14

* R-5873 US 74, NC 108 INTERCHANGE. IMPROVE
POLK INTERCHANGE.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STATEWIDE STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT.

STIP MODIFICATIONS**DIVISION 3**

U-5710A	NEW LOCATION, FROM SR 1409 (MILITARY CUTOFF	RIGHT-OF-WAY	FY 2019 -	\$1,970,000	(T)
NEW HANOVER	ROAD) AT DRYSDALE DRIVE TO US-74 (EASTWOOD	UTILITIES	FY 2019 -	\$75,000	(T)
PROJ.CATEGORY	ROAD). CONSTRUCT ROADWAY ON NEW LOCATION.	CONSTRUCTION	FY 2021 -	\$2,900,000	(T)
STATEWIDE	<u>SEGMENT INTO 2 SECTIONS AND ACCELERATE</u>			\$4,945,000	
	<u>CONSTRUCTION FROM FY 22 TO FY 21 FOR SEGMENT</u>				
	<u>"A".</u>				

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 3

U-5732	US 17, SR 1582 (WASHINGTON ACRES ROAD) TO SR	RIGHT-OF-WAY	FY 2018 -	\$19,600,000	(T)
PENDER	1563 (SLOOP POINT LOOP ROAD). CONVERT TO	UTILITIES	FY 2018 -	\$11,600,000	(T)
PROJ.CATEGORY	SUPERSTREET.	CONSTRUCTION	FY 2021 -	\$12,550,000	(T)
REGIONAL	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>		FY 2022 -	\$12,550,000	(T)
				\$56,300,000	

U-5914	NC 133, US 17/US 74/US 76 TO SR 1554 (OLD RIVER	RIGHT-OF-WAY	FY 2019 -	\$173,000	(T)
BRUNSWICK	ROAD). MODERNIZE ROADWAY.	CONSTRUCTION	FY 2020 -	\$1,600,000	(T)
PROJ.CATEGORY	<u>ADD RIGHT-OF-WAY IN FY 19 NOT PREVIOUSLY PROGRAMMED.</u>			\$1,773,000	
DIVISION					

DIVISION 4

R-5718	SR 1003 (BUFFALO ROAD), US 70 TO SR 1934 (OLD	RIGHT-OF-WAY	FY 2019 -	\$560,000	(T)
JOHNSTON	BEULAH ROAD). WIDEN TO THREE LANES.	UTILITIES	FY 2019 -	\$67,000	(T)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19.</u>	CONSTRUCTION	FY 2019 -	\$2,204,000	(T)
DIVISION			FY 2020 -	\$2,204,000	(T)
			FY 2021 -	\$2,204,000	(T)
				\$7,239,000	

R-5720	SR 1770 (EASTERN AVENUE), SR 1003 (RED OAK ROAD)	RIGHT-OF-WAY	FY 2020 -	\$6,126,000	(T)
NASH	TO SR 1603 (OLD CARRIAGE ROAD) IN ROCKY MOUNT.		FY 2021 -	\$6,126,000	(T)
PROJ.CATEGORY	WIDEN TO MULTI-LANES.	UTILITIES	FY 2020 -	\$735,000	(T)
DIVISION	<u>DUE TO PROJECT BEING COMBINED WITH U-5026 AND U-5996 FOR LETTING, DELAY RIGHT OF WAY FROM FY 18 TO FY 20.</u>		FY 2021 -	\$735,000	(T)
		CONSTRUCTION	FY 2020 -	\$8,493,000	(T)
			FY 2021 -	\$8,493,000	(T)
				\$30,708,000	

U-5026	I-95, SR 1770 (SUNSET AVENUE) IN ROCKY MOUNT.	RIGHT-OF-WAY	FY 2020 -	\$9,000,000	(T)
NASH	CONVERT GRADE SEPARATION TO AN INTERCHANGE.		FY 2021 -	\$9,000,000	(T)
PROJ.CATEGORY	<u>DUE TO PROJECT BEING COMBINED WITH R-5720 AND U-5996 FOR LETTING, DELAY RIGHT OF WAY FROM FY 19 TO FY 20 AND CONSTRUCTION FROM FY 19 TO FY 20.</u>	UTILITIES	FY 2020 -	\$336,000	(T)
DIVISION		CONSTRUCTION	FY 2020 -	\$15,467,000	(T)
			FY 2021 -	\$15,467,000	(T)
			FY 2022 -	\$15,466,000	(T)
				\$64,736,000	

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 4

U-5996	SR 1603 (OLD CARRIAGE ROAD), GREEN HILLS ROAD	RIGHT-OF-WAY	FY 2020 -	\$3,609,000	(T)
NASH	TO SR 1770 (EASTERN AVENUE). ADD CENTER TURN	UTILITIES	FY 2020 -	\$1,000,000	(T)
PROJ.CATEGORY	LANE AND WIDEN US 64 BRIDGE OVER SR 1603.	CONSTRUCTION	FY 2020 -	\$7,980,000	(T)
DIVISION	<u>DUE TO PROJECT BEING COMBINED WITH U-5026 AND R-5720 FOR LETTING, DELAY RIGHT OF WAY FROM FY 19 TO FY 20.</u>		FY 2021 -	\$7,980,000	(T)
			FY 2022 -	\$7,980,000	(T)
				<u>\$28,549,000</u>	

DIVISION 5

* B-5326	SR 2555 (RAYNOR ROAD), REPLACE BRIDGE 910247	RIGHT-OF-WAY	FY 2018 -	\$355,000	(STBGOFF)
WAKE	OVER WHITE OAK CREEK IN GARNER.	UTILITIES	FY 2018 -	\$47,000	(STBGOFF)
PROJ.CATEGORY	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2019 -	\$4,900,000	(STBGOFF)
DIVISION				<u>\$5,302,000</u>	

C-5183B	SR 1945 (S. ALSTON AVE.), SR 1171 (RIDDLE RD.) TO	RIGHT-OF-WAY	FY 2018 -	\$79,000	(CMAQ)
DURHAM	CAPPS ST.		FY 2018 -	\$20,000	(L)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR RIGHT OF WAY DELAY CONSTRUCTION FROM FY 18 TO FY 19.</u>	CONSTRUCTION	FY 2019 -	\$565,000	(CMAQ)
EXEMPT			FY 2019 -	\$141,000	(L)
				<u>\$805,000</u>	

* U-4437	NC 54 (HILLSBOROUGH STREET), SR 1664 / SR 3074	RIGHT-OF-WAY	FY 2018 -	\$13,214,000	(STBG)
WAKE	(BLUE RIDGE ROAD) IN VICINITY OF NC RAILROAD	UTILITIES	FY 2018 -	\$1,500,000	(STBG)
PROJ.CATEGORY	(CSX CORPORATION AND NORFOLK SOUTHERN) IN	CONSTRUCTION	FY 2018 -	\$19,900,000	(DP)
DIVISION	RALEIGH. CONSTRUCT GRADE SEPARATIONS AND		FY 2018 -	\$32,043,000	(STBG)
	ACCESS ROAD BETWEEN NC 54 AND SR 1664 / SR 3074.			<u>\$66,657,000</u>	
	<u>APPLY TIGER GRANT FUNDS; COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>				

* U-5980	US 401 / NC 42 / NC 55, SR 2768 / SR 5056 (NORTH	RIGHT-OF-WAY	FY 2023 -	\$4,889,000	(T)
WAKE	JUDD PARKWAY) TO NC 42 / NC 55. ACCESS	UTILITIES	FY 2023 -	\$587,000	(T)
PROJ.CATEGORY	MANAGEMENT IMPROVEMENTS.	CONSTRUCTION	FY 2025 -	\$7,024,000	(T)
REGIONAL	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>			<u>\$12,500,000</u>	

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 6

* EB-5800	SR 2251 (OWEN DRIVE), US 301 TO SR 1007 (ALL	CONSTRUCTION	FY 2018 -	\$441,000	(TAP)
CUMBERLAND	AMERICAN EXPRESSWAY). CONSTRUCT SIDEWALK		FY 2018 -	\$110,000	(L)
PROJ.CATEGORY	ON EAST SIDE.			\$551,000	
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 17 TO FY 18.</u>				

* I-5879	I-95, SR 1528 (CARTHAGE ROAD) (EXIT 19). IMPROVE	RIGHT-OF-WAY	FY 2019 -	\$540,000	(NHP)
ROBESON	INTERCHANGE.	CONSTRUCTION	FY 2021 -	\$6,200,000	(NHP)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19.</u>		FY 2022 -	\$6,200,000	(NHP)
DIVISION				\$12,940,000	

DIVISION 7

AV-5701	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO),	CONSTRUCTION	FY 2021 -	\$500,000	(T)
GUILFORD	RUNWAY 5R-23L EXTENSION PROGRAM		FY 2021 -	\$19,500,000	(O)
PROJ.CATEGORY	<u>PER DIVISION OF AVIATION REQUEST, DELAY CONSTRUCTION FROM FY 19 TO FY 21.</u>			\$20,000,000	
STATEWIDE					

* AV-5707	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO),	CONSTRUCTION	FY 2019 -	\$500,000	(T)
GUILFORD	CONSTRUCT TAXIWAY G.		FY 2019 -	\$15,400,000	(O)
PROJ.CATEGORY	<u>ADD CONSTRUCTION IN FY 19 NOT PREVIOUSLY PROGRAMMED (DELAYED FROM FY16-25 STIP) PER DIVISION OF AVIATION REQUEST.</u>			\$15,900,000	
STATEWIDE					

AV-5708	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO),	CONSTRUCTION	FY 2019 -	\$500,000	(T)
GUILFORD	CONSTRUCT TAXIWAY OVER FUTURE I-73 EAST OF SR			\$500,000	
PROJ.CATEGORY	2085 (BRYAN BOULEVARD).				
STATEWIDE	<u>PER DIVISION OF AVIATION REQUEST, DELAY CONSTRUCTION FROM FY 18 TO FY 19.</u>				

* AV-5711	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO),	CONSTRUCTION	FY 2020 -	\$500,000	(T)
GUILFORD	SURFACE MOVEMENT GUIDANCE AND CONTROL		FY 2020 -	\$7,500,000	(O)
PROJ.CATEGORY	SYSTEM (SMGCS) UPDATE.			\$8,000,000	
STATEWIDE	<u>ADD CONSTRUCTION IN FY 20 NOT PREVIOUSLY PROGRAMMED [DELAY FROM 16-25 STIP] AT DIVISION OF AVIATION REQUEST.</u>				

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 7

AV-5718	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO),	CONSTRUCTION	FY 2019 -	\$500,000	(T)
GUILFORD	HIGH SPEED TAXIWAY TO RUNWAY 5R-23L.		FY 2019 -	<u>\$2,500,000</u>	(O)
PROJ.CATEGORY	<u>PER DIVISION OF AVIATION REQUEST, DELAY</u>			\$3,000,000	
STATEWIDE	<u>CONSTRUCTION FROM FY 18 TO FY 19.</u>				
* U-4758	SR 1818 (JOHNSON STREET) / SR 1850 (SANDY RIDGE	RIGHT-OF-WAY	FY 2019 -	\$6,776,000	(HP)
GUILFORD	ROAD), SR 1820 (SKEET CLUB ROAD) TO I-40 IN HIGH		FY 2019 -	\$139,000	(STBG)
PROJ.CATEGORY	POINT. WIDEN TO FOUR LANES.		FY 2019 -	\$1,694,000	(S(M))
DIVISION	<u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u>	UTILITIES	FY 2019 -	\$1,147,000	(STBG)
	<u>THRESHOLDS.</u>	CONSTRUCTION	FY 2021 -	\$17,950,000	(STBG)
			FY 2022 -	<u>\$17,950,000</u>	(STBG)
				\$45,656,000	
U-5844	NC 62, SR 1430 (RAMADA ROAD) TO US 70 (CHURCH	RIGHT-OF-WAY	FY 2020 -	\$1,900,000	(T)
ALAMANCE	STREET) IN BURLINGTON. WIDEN TO MULTILANES.	CONSTRUCTION	FY 2021 -	<u>\$9,000,000</u>	(T)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME TO COMPLETE</u>			\$10,900,000	
DIVISION	<u>PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM</u>				
	<u>FY 18 TO FY 20 AND CONSTRUCTION FROM FY 19 TO</u>				
	<u>FY 21.</u>				
U-6010	US 70 (SOUTH CHURCH STREET), SR 1226 / SR 1311	RIGHT-OF-WAY	FY 2019 -	\$200,000	(T)
ALAMANCE	(UNIVERSITY DRIVE) IN BURLINGTON. INTERSECTION	UTILITIES	FY 2019 -	\$100,000	(T)
PROJ.CATEGORY	IMPROVEMENTS, TO INCLUDE WIDENING OF US 70 TO	CONSTRUCTION	FY 2019 -	<u>\$1,000,000</u>	(T)
REGIONAL	MAINTAIN CONSISTENT CROSS-SECTION WITH			\$1,300,000	
	PROJECT U-5752 IMPROVEMENTS.				
	<u>TO ALLOW ADDITIONAL TIME TO COMPLETE</u>				
	<u>PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM</u>				
	<u>FY 18 TO FY 19.</u>				
U-6011	US 70 (SOUTH CHURCH STREET), SR 1158 (HUFFMAN	RIGHT-OF-WAY	FY 2019 -	\$200,000	(T)
ALAMANCE	MILL ROAD) IN BURLINGTON. INTERSECTION	UTILITIES	FY 2019 -	\$100,000	(T)
PROJ.CATEGORY	IMPROVEMENTS.	CONSTRUCTION	FY 2019 -	\$1,000,000	(T)
REGIONAL	<u>TO ALLOW ADDITIONAL TIME TO COMPLETE</u>			\$1,300,000	
	<u>PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM</u>				
	<u>FY 18 TO FY 19.</u>				

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 8

AV-5736 CHATHAM PROJ.CATEGORY DIVISION	SILER CITY MUNICIPAL AIRPORT (SCR), ACQUIRE NAVIGATION EASEMENTS IN RUNWAY 4 AND RUNWAY 22 APPROACHES, AND REMOVE OBSTRUCTIONS IN EASEMENTS. <u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u> <u>RIGHT-OF-WAY FROM FY 18 TO FY 19.</u>	RIGHT-OF-WAY	FY 2019 -	\$365,000 (T) \$365,000
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U-5756 MOORE PROJ.CATEGORY REGIONAL	NC 5, FROM US 1 IN ABERDEEN TO THE INTERSECTION OF TROTTER DRIVE / BLAKE BLVD IN PINEHURST. WIDEN TO MULTILANES <u>MODIFY PROJECT NORTHERN TERMINUS BASED ON</u> <u>FINDINGS FROM INITIAL PROJECT SCOPING.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2020 - FY 2020 - FY 2022 -	\$360,000 (T) \$100,000 (T) \$6,538,000 (T) \$6,998,000
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DIVISION 9

AV-5820 ROWAN PROJ.CATEGORY DIVISION	ROWAN COUNTY AIRPORT (RUQ), ACQUIRE RIGHT OF WAY FOR AIRCRAFT APRON / HELIPAD. <u>PER DIVISION OF AVIATION REQUEST, DELAY RIGHT-</u> <u>OF-WAY FROM FY 18 TO FY 19.</u>	RIGHT-OF-WAY	FY 2019 -	\$400,000 (T) \$400,000
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C-5160 ROWAN PROJ.CATEGORY EXEMPT	NEWSOME ROAD, CITY OF SALISBURY - CONSTRUCT BIKE LANES. <u>PER REQUEST BY CITY OF SALISBURY, DELAY</u> <u>CONSTRUCTION FROM FY 18 TO FY 19.</u>	CONSTRUCTION	FY 2019 - FY 2019 -	\$1,205,000 (CMAQ) \$301,000 (L) \$1,506,000
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DIVISION 10

I-5837 MECKLENBURG PROJ.CATEGORY STATEWIDE	I-85, GASTON COUNTY LINE TO 0.7 MILES NORTH OF GASTON COUNTY LINE. PAVEMENT REHABILITATION. <u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 19</u>	CONSTRUCTION	FY 2019 -	\$1,200,000 (NHPIM) \$1,200,000
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* U-4913 UNION MECKLENBURG PROJ.CATEGORY DIVISION	IDLEWILD ROAD, SR 3175 (STALLINGS ROAD) TO SR 1524 (STEVENS MILL ROAD). WIDEN EXISTING ROADWAY. <u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u> <u>CONSTRUCTION FROM FY 21 TO FY 22</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2020 - FY 2020 - FY 2022 - FY 2023 - FY 2024 -	\$150,000 (T) \$900,000 (T) \$2,000,000 (T) \$2,000,000 (T) \$2,000,000 (T) \$7,050,000
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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 10

* U-5764	US 74, NC 200 (DICKERSON BOULEVARD) TO SR 1007	RIGHT-OF-WAY	FY 2019 -	\$500,000	(T)
UNION	(ROCKY RIVER ROAD). WIDEN EXISTING ROADWAY.	UTILITIES	FY 2019 -	\$500,000	(T)
PROJ.CATEGORY	<u>MODIFY PROJECT LIMITS AT THE REQUEST OF THE</u>	CONSTRUCTION	FY 2021 -	\$5,167,000	(T)
REGIONAL	<u>DIVISION.</u>		FY 2022 -	\$5,166,000	(T)
			FY 2023 -	\$5,167,000	(T)
				\$16,500,000	

DIVISION 12

I-5915	I-40, MILEMARKER 130.7 TO MILEMARKER 150.2.	CONSTRUCTION	FY 2018 -	\$12,500,000	NHPIM
IREDELL	PAVEMENT AND BRIDGE REHABILITATION.		FY 2019 -	\$12,500,000	NHPIM
CATAWBA	<u>PROJECT BROKEN INTO SEGMENTS A AND B.</u>		FY 2021 -	\$5,000,000	NHPIM
PROJ.CATEGORY			FY 2022 -	\$5,000,000	NHPIM
STATEWIDE				\$35,000,000	

STIP DELETIONS**DIVISION 12**

* I-5772	1.4 MILES EAST OF I-77 TO SR 2167 (WARD ROAD).	CONSTRUCTION	FY 2019 -	\$10,250,000	NHPIM
IREDELL	PAVEMENT REHABILITATION.			\$10,250,000	
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>				
STATEWIDE	<u>PROJECT I-5915A</u>				

* I-5804	SR 1639 (MEACHAM ROAD) TO 0.3 MILE EAST OF US	CONSTRUCTION	FY 2021 -	\$3,500,000	NHPIM
IREDELL	21. PAVEMENT REHABILITATION.			\$3,500,000	
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>				
STATEWIDE	<u>PROJECT I-5915</u>				

* I-5917	I-40, MILEMARKER 139.3 TO US 64. PAVEMENT	CONSTRUCTION	FY 2024 -	\$4,600,000	NHPIM
IREDELL	REHABILITATION.			\$4,600,000	
PROJ.CATEGORY	<u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u>				
STATEWIDE	<u>PROJECT I-5914A</u>				

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM**

ITEM N SUMMARY

ADDITIONS	52 PROJECTS	\$2,906,000
MODIFICATIONS	30 PROJECTS	
DELETIONS	3 PROJECTS	\$18,350,000
	88 PROJECTS	(\$15,444,000)

* INDICATES FEDERAL AMENDMENT

NCDOT May 31, 2018 Board of Transportation Agenda

SUMMARY: There are a total of 46 agreements for approval by the Board of Transportation.

STATEWIDE

North Carolina Department of
Information Technology (DIT)

This Memorandum of Understanding is for the transition of the Department's information technology employees to DIT as required by G.S. 143B-1325. The Department will fund all expenses until such time funds are appropriated to DIT or billing rates are established. Separate service level agreements will be established for system applications.

Division 1

Hyde County Board of
Commissioners
16SP.6.3.5

This Project consists of the purchase and operation of a Tram System to be operated on Ocracoke Island to provide pedestrian access between the NCDOT ferry dock on Silver Lake and Ocracoke Village attractions as recommended by the NCDOT feasibility study to improve public transportation on Ocracoke Island. The Department will participate in an amount up to \$250,000 in State funds. The County shall own, operate, maintain and provide annual ridership reports for the Tram System, for a period of four (4) years.

North Carolina & Virginia
Railroad Company (NCVA)
Northampton, Bertie and
Hertford Counties
P-5600A
47335FRA.3.1

The Department and NCVA entered into a Rail Freight Assistance Agreement on September 7, 2016 for track infrastructure improvements necessary to upgrade the NCVA rail line. This Supplemental Agreement No. 1 to the Rail Freight Agreement allows revisions to expand the scope of work to include additional crossties, rail, turnout replacement, along with ballast and surfacing within the same parameters of the previous scope of work. Expansions of the project include 25,700 crossties (originally 17,700), 20.2 miles of rail (originally 17), and 14 turnouts (originally 11). The area where the work is to be completed is located between milepost 57 (the Virginia State Line) and milepost 186.7 (Nucor Steel in Cofield). NCVA shall perform all the work. There is no additional cost to the Department for this change in scope of work. All other provisions of the original Agreement will remain the same.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 2

Carolina Coastal Railway, INC
(CLNA)

Norfolk Southern Railway (NSR)
Beaufort, Nash, and Pitt
Counties

80000.1.4.49

The Department and CLNA entered into a Rail Freight Assistance Agreement on March 9, 2018 for upgrading of railroad bridge decks in Beaufort and Pitt Counties, and the replacement of rail and crossties in Nash County. As NSR is the owner of the rail line in Beaufort and Pitt counties and leases said rail line to CLNA, NSR and the Department have entered into a Contingent Interest Agreement and Instrument of Indebtedness, executed on March 22, 2018, to secure a lien on the project assets for five (5) years. This Supplemental Agreement No. 1 to both the Rail Freight and Contingent Interest Agreement allows for revisions to expand the scope of the project, as well as an increase in funding. The revised scope now includes improvements to pile, bents, and ties at 10 additional locations. CLNA will be responsible for performing all the work. As NSR is the owner of the rail line in Beaufort and Pitt counties and leases said line to CLNA, NSR agrees to the increase in the scope of work and the additional investment. The Department's participation will be increased by \$83,000, from \$375,475 to \$458,475, and the estimated cost of the entire project will increase by \$166,000 for a total of \$916,950. All other provisions of the original Agreement will remain the same.

Division 3

Town of Carolina Beach
New Hanover County
U-5534O

44096.1.16

44096.3.16

This Project consists of the construction of a multi-use path on the south side of Cape Fear Blvd. from Sixth Street to Dow Road in Carolina Beach. 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 \$79,266 (80%) in STP-DA funds. The Municipality will be responsible for providing \$19,816 (20%) as their local match.

City of Wilmington
New Hanover County
3.1065SM
3.2065SM

This Municipal Operations Agreement (Schedule C) provides for the municipal operation of State-owned traffic signals at certain intersections on the State Highway System within or near the City Wilmington. The Department shall reimburse the Municipality an annual approved amount for the traffic signals operation, maintenance, and administrative costs as per the Agreement.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 3, con't.

City of Wilmington
 New Hanover County
 3.1065SM
 3.2065SM

This Municipal Operations Agreement (Schedule D) provides for the municipal operation of the computerized traffic control system, including timing plans, electric traffic signals and other traffic control devices on the State Highway System Streets located within or near the City of Wilmington. The Department shall reimburse the Municipality an annual approved cost for the traffic control system operation, maintenance, and administrative costs as per the Agreement.

National Gypsum Company
 (Grantee)
 New Hanover County
 80000.3.1.17

This Rail Industrial Access Agreement includes the approval of Freight Rail and Rail Crossing Safety Improvement (FRRCSI) funds to assist the Grantee with the construction of a multi-track industrial access spur from the Wilmington Terminal Railroad to the Grantee's facility located at approximately milepost 253.2. The access spur will provide a two-track configuration of approximately 3,878 feet of track and will incorporate a car loading location adjacent to the existing truck loading doors of the facility. An "on track" rail car mover will allow for the subsequent switching of each car onto the adjacent "loaded car track." The Grantee will be responsible for performing the work. The Department will participate in the cost of the project up to \$200,000. The estimated cost of the project is \$2,028,232.

Division 4

City of Goldsboro
 Wayne County
 U-2714
 38979.1.2
 38979.2.1
 38979.3.1

This Project consists of improvements on US 117 Alternate from US 70 Bypass to SR 1306 (Fedelon Trail). The Department shall prepare the plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall include construction of sidewalk betterments along both sides of US 117 Business from the beginning of the project at US 70 to SR 1571 (Tommy's Road). The Municipality shall reimburse the Department 30% of the actual cost of the betterments. The estimated reimbursement from the Municipality is \$35,232.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 4, con't.
 City of Goldsboro
 Wayne County
 U-5724
 54016.2.1

This Project consists of realignment of SR 1709 (Central Heights Road) at US 13 (Berkeley Boulevard) in Goldsboro. The Department shall prepare the plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. The Municipality shall reimburse the Department for actual cost of the right of way up to a maximum amount of \$500,000.

City of Roanoke Rapids
 Halifax County
 U-5725
 50162.1.1
 50162.2.1
 50162.2.2
 50162.3.1

This Project consists of roadway improvements on NC 125 from I-95 to Old Farm Road to widen to multi-lanes. The Department shall prepare the plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall construct sidewalk betterments along NC 125. The Municipality shall reimburse the Department 30% of the actual cost of the betterments. The estimated reimbursement from the Municipality is \$45,300.

City of Roanoke Rapids
 Halifax County
 R-3822
 37765.1.1
 37765.1.6
 37765.3.5

This Project consists of a new route from NC 125 to south of US 158 to construct a two lane facility parallel to I-95 for 1.7 miles. The Department shall prepare the plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall construct sidewalk betterments along Premier Boulevard & American Legion Road. The Municipality shall reimburse the Department 30% of the actual cost of the betterments. The estimated reimbursement from the Municipality is \$60,300.

City of Wilson
 Wilson County
 W-5204C
 45334.2.FRU3

This Project consists of roadway improvements on NC 42 from SR 1500 (Bullard Court) to SR 1502 (Tartt's Mill Road) in Wilson. At the request of the Municipality, this Utility Construction Agreement (UCA) is for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the 50% of actual cost of the utility work. The estimated reimbursement from the Municipality is \$218,397.50.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 5

City of Durham
Durham County
17BP.5.C.02

This Design Build Project consists of replacement of the University Drive culvert in Durham. This Utility Construction Agreement (UCA) is for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department a lump sum of \$76,010 for the work. Both parties understand that there will be no adjustment to this fixed price.

City of Durham
Durham County
U-5745
50166.3.1

This Project consists of construction of a roundabout at the intersection of NC 751 (Hope Valley Road) and SR 1183 (University Drive) in Durham. The Department is responsible for all phases of the Project. At the request of the Municipality, pedestrian facilities will be included. The Municipality shall pay 50% (\$43,200) for the pedestrian facilities. This agreement supersedes the agreement approved by the Board on 12/7/2017.

City of Durham
Durham County
U-4726HM
36268.3.34

This Project consists of sidewalk construction along NC 55 (Avondale Drive) to close sidewalk gaps from US 501 Bus. (Roxboro Street) to Geer Street in Durham. This Supplemental Agreement is to increase funding for the Project. The Department's original participation was \$323,907 in STP-DA funds. The Department agrees to reimburse the Municipality an additional \$163,935 (80%) in STBGDA funds. The Municipality shall provide the 20% non-federal match (\$40,984) and all costs that exceed the total available funding.

City of Durham
EB-5834
47264.1.1
47264.2.1
47264.3.1

This Project consists of construction of sidewalk and pedestrian improvements on NC 157/SR 1322 (Guess Road) from Hillcrest Drive to W. Carver Street in Durham. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of eligible expenses incurred by the Municipality up to a maximum amount of \$728,000 in TAP funds. The Municipality shall provide the 20% non-federal match (\$183,000) and all costs that exceed the total available funding.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 5, con't.
 City of Raleigh
 Wake County
 I-5111
 I-4739
 U-6093
 42346.3.1

This Design-Build Project consists of improvements on I-40 from I-440 / US 64 (Exit 301) to just north of SR 1525 (Cornwallis Road), including improvements to NC 42 and SR 1010 (Cleveland Road) and SR 2542 (Rock Quarry Road) from Olde Birch Road to SR 2544 (Sunnybrook Road) in Raleigh. At the request of the Municipality, the Department shall include provisions in its construction contract for construction of betterments, 6-feet of bridge and sidewalk on the Rock Quarry Road Bridge. The Municipality shall pay a lump sum of \$296,856 for the betterments. Both parties understand that there will be no adjustments to the fixed price.

City of Raleigh
 Wake County
 U-5530OA
 44111.3.15

This Project consists of the construction of sidewalks to fill missing sidewalk gaps between Thistledown Drive/Main Campus Drive and Canine Tech Way/Lineberry Drive and across I-40 in Raleigh. This Supplemental Agreement is to increase funding for the Project. The Department's original participation was \$595,200 in STP-DA funds. The Department agrees to reimburse the Municipality an additional \$264,000 (50%) in STBGDA funds. The Municipality shall provide the 50% non-federal match (\$264,000) for those funds and all costs that exceed the total available funding.

Franklin County
 47712

This Project consists of the construction of a right turn lane on SR 1130 (N. White Street) at SR 1900 (Nomaco Drive) and strengthening Nomaco Drive in Franklin County. The County is responsible for all phases of the work. The Department shall reimburse the County for the actual construction costs up to a maximum amount of \$350,000 (\$250,000 from Economic Development funds and \$100,000 from Public Access funds.) Costs that exceed \$350,000 will be the responsibility of the County.

Town of Cary
 Wake County
 C-5604IA
 43714.3.3

This Project consists of the construction of a 10 foot wide asphalt trail and 90 foot bridge across Panther Creek and connections to adjacent neighborhoods in Cary. This Supplemental Agreement is to increase funding for the Project. The Department's original participation was \$1,005,840 in CMAQ funds. The Department agrees to reimburse an additional \$1,425,000 (50%) in STP-DA funds. The Municipality will provide the 50% non-federal match (\$1,425,000) and all costs that exceed the total available funding.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 5, con't.
 Town of Louisburg
 Franklin County
 C-5568
 50110.3.1

This Project consists of construction of sidewalks in various locations on Johnson Street, Wade Avenue, and Bickett Blvd in Louisburg. This Supplemental Agreement is to increase the funding and extend the completion date for the Project. The Department's original participation was \$204,000 in federal CMAQ funds. The Department agrees to reimburse the Municipality an additional \$150,000 in State High Impact/Low Cost funds. The Municipality is responsible for all costs that exceed the total available funding. The Municipality shall complete the project by April 30, 2020 in lieu of July 31, 2017.

Town of Apex
 Wake County
 C-5604AA
 43714.2.14
 43714.3.14

This Project consists of completing a pedestrian improvement route from Olive Chapel Elementary School through Kelly Road Park to Scotts Ridge Elementary School. This Project will complete the pedestrian gap along the east side of Kelly Road from Beaver Trail to Apex Barbecue Road and along the south side of Apex Barbecue Road from Kelly Road to the Scotts Ridge Elementary School driveway in Apex. The Department shall reimburse 70% of eligible expenses up to a maximum amount of \$647,500 in CMAQ funds. The Municipality shall provide the 30% non-federal match (\$277,500) and all costs that exceed the total available funding.

CSX Transportation, Inc. (CSXT)
 Wake County
 P-5720
 46932

The Department and CSXT, on November 4, 2011, entered into a Master Engineering Agreement (MEA) which detailed the terms and conditions by which CSXT would proceed with the necessary engineering and/or design services for various rail improvements within the State. The MEA stipulated that a request for CSXT to perform design review and/or work for each individual rail improvement project would be identified through a separate written agreement to the MEA. This Addendum #13 to the MEA provides the terms for CSXT to review the design plans for the proposed new grade separation on Durant Road. The Department will prepare and submit the plans to CSXT for review and approval. The Department will reimburse CSXT 100% of the cost of work performed by CSXT up to \$25,000, based on an estimate provided by CSXT detailing the actual cost.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 5, con't.

CSX Transportation, Inc. (CSXT)
Wake County
P-5707
44643

The Department and CSXT, on November 4, 2011, entered into a Master Engineering Agreement (MEA) which detailed the terms and conditions by which CSXT would proceed with the necessary engineering and/or design services for various rail improvements within the State. The MEA stipulated that a request for CSXT to perform design review and/or work for each individual rail improvement project would be identified through a separate written agreement to the MEA. This Addendum #14 to the MEA provides the terms for CSXT to review the design plans for the proposed new grade separation on Rogers Road. The Department will prepare and submit the plans to CSXT for review and approval. The Department will reimburse CSXT 100% of the cost of work performed by CSXT up to \$25,000, based on an estimate provided by CSXT detailing the actual cost.

CSX Transportation, Inc. (CSXT)
Wake County
P-5715
46927

The Department and CSXT, on November 4, 2011, entered into a Master Engineering Agreement (MEA) which detailed the terms and conditions by which CSXT would proceed with the necessary engineering and/or design services for various rail improvements within the State. The MEA stipulated that a request for CSXT to perform design review and/or work for each individual rail improvement project would be identified through a separate written agreement to the MEA. This Addendum #15 to the MEA provides the terms for CSXT to review the design plans for the proposed new grade separation on New Hope Church Road. The Department will prepare and submit the plans to CSXT for review and approval. The Department will reimburse CSXT 100% of the cost of work performed by CSXT up to \$25,000, based on an estimate provided by CSXT detailing the actual cost.

Division 6

City of Fayetteville
Cumberland County
U-2519BA
34817.3.14
U-2519BB
34817.3.15

This Project consists of roadway improvements for the Fayetteville Outer Loop from south of SR 1104 (Strickland Bridge Road) to south of US 401 and from south of SR 1118 (Parkton Road) to south of SR 1003 (Camden Road). The Department shall prepare the planning documents, Project plans and specifications, acquire any needed right of way, and construct the Project. The Municipality shall relocate and adjust any municipally-owned utilities and any utilities under franchise and is responsible for all costs to relocate and adjust these utilities.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 6, con't.

Fayetteville Public Works
Commission
Cumberland County
U-4405
39049.3.1

This Project consists of highway improvements at Fayetteville-US 401 (Raeford Road) from West of Hampton Oaks Drive to East of Fairway Drive in Fayetteville. At the request of the Agency, this Utility Construction Agreement (UCA) is for the contractor to adjust and/or relocate public-owned water and sewer lines. The Agency shall reimburse the Department the entire cost of the utility work. The estimated reimbursement from the Agency is \$13,996,973.28.

Town of Spring Lake
Cumberland County
W-5706K
44852.3.11

This Project consists of the constructing a sidewalk on NC 210 from North Fifth Street to just south of the Wal-Mart entrance in Spring Lake. The Department is responsible for all phases of the Project. The Department shall participate in actual costs in an amount of \$80,000. The Municipality shall participate in the actual costs in the amount of \$200,000, and shall be responsible for all costs that exceed the total estimated cost of \$280,000.

Division 7

City of High Point
Guilford County
C-5609G
43731.3.5

This Project consists of construction of new pedestrian crossing, sidewalk, signal modifications and bus shelters on NC 68 connecting Piedmont Authority for Regional Transportation's Route 3 High Point Express and Route 19 Palladium Circulator in High Point. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$126,480 in CMAQ funds. The Municipality shall provide the 20% non-federal match (\$31,620), and all costs that exceed the total available funding.

Town of Carrboro
Orange County
C-5650
47643.1.1
47643.2.1
47643.3.1

This Project consists of the construction of sidewalk on one side of SR 1919 (Smith Level Road/S. Greensboro Street), from north of Old Pittsboro Road to Public Works Drive in Carrboro. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$440,000 in CMAQ funds and \$714,000 in STBGDA funds. The Municipality shall provide the 20% non-federal match (\$288,500), and all costs that exceed the total available funding.

City of Mebane
Alamance County
U-3109B
34900.3.4

This Project consists of the relocation of NC 119 from north of SR 1921 (Mebane Rogers Road) to south of SR 1918 in Mebane. This Utility Construction Agreement (UCA) is for the contractor to adjust and/or relocate municipally-owned water lines. The Municipality shall reimburse the Department the actual cost for the utility work. The estimated reimbursement is \$47,500.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 9

City of Winston-Salem
 Forsyth County
 U-4734
 36600.3.1

This Project consists of improvements to SR 2601 (Macy Grove Road) extension from SR 1005 (East Mountain Street) to NC 150 (North Main Street). This Utility Construction Agreement (UCA) is for the contractor to adjust and/or relocate municipally-owned water lines. The Municipality shall reimburse the Department the actual cost for the utility work. The estimated reimbursement is \$88,624.

Division 10

FHWA – Eastern Federal Lands
 Highway Division (EFLHD)
 Anson County
 B-5817
 45770.1.1
 45770.2.1
 45770.3.1

This Project consists of replacement of the Grassy Island Road Bridge in the Pee Dee Wildlife Refuge. Funding from the Federal Lands Access Program (FLAP) is estimated at \$2,720,380. The Department's state match is estimated at \$666,595. The estimated total cost is \$3,386,975.

Town of Huntersville
 Mecklenburg County
 I-5714
 50127.3.1

This Project consists of intersection improvements on I-77 at SR 2136 (Gilead Road) Interchange. The Department shall prepare the plans and specifications, acquire any needed right of way and construct the Project. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall include construction of sidewalk within the project limits. The Municipality shall reimburse the Department 40% of the actual cost of the work. The estimated reimbursement from the Municipality is \$11,520.

City of Concord
 Cabarrus County
 C-5603G
 43713.3.7

This Project consists of intersection improvements at Bruton Smith Boulevard and Weddington Road. The Municipality is responsible for the project. The Department shall reimburse 80% of eligible expenses from CMAQ funds allocation not to exceed \$145,680. The Municipality will provide a 20% (\$36,420) local match and all costs that exceed the total estimated cost of \$182,100.

Norfolk Southern Railway
 Company (NSR)
 Mecklenburg County
 P-5705BA
 P-5705BB
 44475

This Agreement provides for a non-exclusive, permanent easement for the purpose of granting NSR a sufficient interest in the Charlotte Gateway Station Project property. This easement will advance the construction of a passenger station facility, specifically granting said easement for the unimpeded usage of Project access roads, and occupancy and maintenance of portions occupied by the encroachments of NSR. This agreement shall be at no cost to the Department.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 10, con't.

Mecklenburg County

C-5537

51007.1.1

51007.3.1

This Project consists of the construction of the Barton Creek Greenway. This Supplemental Agreement provides an additional \$1,383,870 in CMAQ funding (80%) and the County will provide \$345,968 in non-federal match for a total of \$1,729,838. This Supplemental Agreement also modifies the completion date to July 31, 2020, in lieu of November 30, 2013.

Division 11

FHWA – Eastern Federal Lands

Highway Division (EFLHD)

Town of Blowing Rock

Watauga County

EB-5924

47629.1.1

47629.2.1

47629.3.1

This Project consists of construction of 1.2 mile 8-10 feet wide multi-use trail on the Blue Ridge Parkway. The Municipality is responsible for the project. The Department shall participate in the project phases in the amount of \$2,099,103 in FLAP (Federal Lands Access Program) funding. The Municipality will provide the non-federal match to the federal funds in the amount of \$514,526. The total cost of the project is \$2,613,629.

Division 12

Town of Dallas

Gaston County

C-5606D

43728.1.5

43728.3.5

This Project consists of construction of (3) segments of sidewalk for approximately 2800 linear feet at the following locations: 1400 lf on west side of US 321B; 450 lf on north side of NC 275/279 and 1250 lf on the south side of NC 275/279 from Gaston Access Road to the entrance of Gaston County Park and Citizens Resource Center; and crosswalk across NC 275/279. The Municipality is responsible for the project. The Department shall reimburse 80% of eligible expenses from CMAQ funds allocation not to exceed \$383,779. The Municipality will provide the 20% (\$95,945) non-federal match and all costs that exceed the total estimated cost of \$479,724.

Division 13

Buncombe County

EB-5824

44986.1.1

This Project consists of the design of a greenway section from the intersection of Enka Lake Road and Sandhill Road to immediately south of the intersection of Warren Haynes Drive and Sand Hill Road. The County is responsible for the project. The Department shall reimburse 80% of eligible expenses from STBGDA funds allocation not to exceed \$320,000. The County will provide the 20% (\$80,000) non-federal match and all costs that exceed the total estimated cost.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 13, con't.

FHWA – Eastern Federal Lands
Highway Division (EFLHD)
Buncombe County
I-4700B
36030.1.3

This Project consists of the preliminary design, environmental documentation, and project review for widening the Blue Ridge Parkway bridge replacement over I-26 near Milepost 36 in Buncombe County. This Supplemental Agreement No. 4 is to increase the total reimbursable amount by \$200,000 for a total estimated cost of \$2,475,000 in Federal National Highway Performance Program (NHPP) Funds.

FHWA – Eastern
Federal Lands Highway Division
(EFLHD)
Buncombe County
I-4700B
36030.1.3

This Project is the Blue Ridge Parkway bridge replacement over I-26 near Milepost 36 in Buncombe County. This Second Amendment is to document the increased total estimated cost (\$2,475,000) and extend the completion date to December 2018 in lieu of February 2019.

Division 14

FHWA – Eastern Federal Lands
Highway Division (EFLHD)
Haywood County
R-5864
47627.1.1
47627.2.1
47627.3.1

This Project consists of the construction of a retaining wall to stabilize a slide area on SR 1395 (Cove Creek Road) in Pisgah National Forest. Funding from the Federal Lands Access Program (FLAP) is estimated at \$490,000. The Department's state match is estimated at \$120,000. The total estimated cost is \$610,000.

City of Hendersonville
Henderson County
U-5105
41903.3.3

This Project consists of intersection improvements at US 25/SR 1164 (Erkwood Drive)/SR 1779 (Shepherd Street) in Hendersonville. At the request of the Municipality, this Utility Construction Agreement (UCA) is for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department 100% of the utility work. The estimated reimbursement is \$92,310.43.

City of Brevard
Transylvania County
EB-5858
47314.3.1

This Project consists of a pedestrian bridge over the Davidson River north of NC 280/US 64 that will connect pedestrian foot traffic from US 276 to the greenway. This Supplemental Agreement is to increase funding. The Department's original participation was \$320,000. The Department shall participate in an additional \$160,000 in federal funds. The Municipality shall provide a 20% (\$40,000) non-federal match to the federal funds authorized and all costs that exceed the total available funding.

NCDOT May 31, 2018 Board of Transportation Agenda

SUMMARY: There are a total of 19 agreements for informational purposes only.

Division 2

City of Kinston
Lenoir County
44912.3.9

This Project consists of the construction of various ADA compliant ramps at various intersections in Kinston. The Department shall be responsible for all phases of the Project. The Municipality shall reimburse the Department 20% of the cost of the work. The total estimated cost is \$227,000.

Division 3

City of Wilmington
New Hanover County
44342

This Project consists of the installation of a multi-use path along SR 1492 (Masonboro Loop Road) from Anderson Reach Loop Road to Parsley Elementary School in Wilmington. This Supplemental Agreement is to extend the completion date for the Project to November 30, 2019 in lieu of March 6, 2016.

City of Wilmington
New Hanover County
3CR.20651.162

This Project consists of milling and resurfacing of 17th Street (SR 2817) from Wrightsville Avenue (non-system) to Princess Place Drive (SR 1301). The work will include replacement of signal loops, pavement markings, and upgrade ADA as needed. This Supplemental Agreement is to extend the completion date for the Project to May 31, 2019 in lieu of May 31, 2018.

Wilmington West, Inc.
Brunswick County
36249.3900

This Project consists of review and inspection of a traffic signal installation at the intersection at NC 133 (River Road SE) and Mallory Creek Drive (non-system) related to the Mallory Creek development. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signal. The estimated reimbursement is \$5,000.

Live Oak Banking Company
New Hanover County
36249.3899

This Project consists of review and inspection of a traffic signal upgrade at the intersection at US 76 (Oleander Drive) and SR 1209 (Independence Boulevard) [SIN 03-0045] and signal coordination work required along SR 1209 (Independence Boulevard related to the Live Oak Bank development. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$15,000.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 4

City of Rocky Mount
Nash County
4.106411

This Project consists of the construction of guardrail and guardrail end units for a Utility Construction driveway entrance. The Department shall be responsible for all phases of the Project. The Municipality shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement from the Municipality is \$9,181.

Wilson County Tourism
Development Authority (TDA)
Robeson County and
Northampton County

This Project consists of the permanent installation of whirligig art pieces from the Vollis Simpson Whirligig Collection at the I-95 Welcome Centers in Robeson County and Northampton County. The Wilson County TDA is responsible for the installation on previously installed footings and for all maintenance or repair of the art pieces. The Department is responsible for maintaining landscaping around the art pieces. There is no funding involved in this Agreement.

Division 5

Town of Wake Forest
Wake County
36249.3897

This Project consists of the planning and design of Dunn Creek Greenway Phase 3 in Wake Forest. Plans and design will be prepared by the Municipality. The Department will provide technical oversight and inspection and review. The Municipality shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost is \$10,000.

Town of Wake Forest
Wake County
47790

This Project consists of the installation of a new traffic signal at SR 5144 (Heritage Lake Road) and Heritage Club Road in Wake Forest. The Department shall modify the existing plans and traffic signal design specifications and furnish the traffic signal equipment. The Municipality shall reimburse the Department 100% for the actual cost of the Department's work. The estimated reimbursement is \$50,000.

Ammons East Corporation
Wake County
44401.3.1

This Project consists of the construction of McCrimmon Parkway from SR 3015 (Airport Blvd.) to SR 1002 (Aviation Parkway) as a four lane, median-divided roadway in Morrisville. At the request of the Developer, the Project will include additional work to provide a left-over for the Wake Competition Center. The Developer will submit a check for \$46,200 upon execution of the Agreement. This amount will be accepted as payment in full for the additional work.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 5, con't.

Wake Tech Community College
Wake County
36249.3901

This Project consists of the installation of a new traffic signal at US 401 and Wake Tech Loop Road. The Department will review the traffic signal plans and inspect the traffic signal installation. The Agency shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost is \$5,000.

Division 6

Harnett County
47750

This Project consists of the construction of a new driveway into North Harnett Primary School. The Department is responsible for all phases of the Project. The Department shall participate in actual costs in an amount not to exceed \$400,000 of Contingency funds. The County shall participate in the actual costs in the amount of \$100,000, and shall be responsible for all costs that exceed the total estimated cost of \$500,000.

Division 7

City of Greensboro
Guilford County
EB-5518
50034.3.3

This Project consists of the construction a multi-use greenway with grassed shoulders along Hill Street between Battleground Avenue and Mendenhall Street in Greensboro. This Supplemental Agreement is to extend the completion date to June 30, 2020 in lieu of August 31, 2016.

Division 9

City of Thomasville
Davidson County
46305.3.45

This Project consists of the removal of shrubs/trees at the I-85 and NC 109 Interchange in Thomasville, creating a new design, and installing new plantings. The Department is responsible for all phases of the work. The Municipality will maintain the plantings after a 1 year establishment period.

NCDOT May 31, 2018 Board of Transportation Agenda

Division 10

City of Kannapolis
Cabarrus County
32218

This Reimbursement Agreement covers signage enhancements at the Kannapolis Train Station. The enhancements will include the installation of a large "clock" sign with printed train schedules, lettering on the outside of the building, metal awnings with decorative brackets, and parking and wayfinding signage. The Municipality will perform the work. The Department will participate in the actual cost of the work up to \$42,389. All costs which exceed this amount will be borne by the Municipality.

Division 12

Bradford Community Investors,
LLC
Iredell County
36249.3896

This Project consists of upgrading the existing traffic signals at the following intersections: NC 152 at SR 1150 (Linwood Road); NC 3 at Williford Road; and NC 801 at NC 152. The Department will review the traffic signal plans and inspect the traffic signal installations. The Developer shall reimburse the Department 100% of the Department's work. The estimated reimbursement is \$10,000.

Division 13

Ingles Markets, Inc.
Buncombe County
36249.3898

This Project consists of the installation of a traffic signal and inspection of an exclusive right turn lane at the intersection of NC 280 and Loop Road. 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.

Ingles Markets, Inc.
Buncombe County
36249.3902

This Project consists of the installation of a traffic signal at the intersection of US 19-23 (Smoky Park Highway) and the Ingles access and inspection of the installation of 2 exclusive right turn lanes on US 19-23 (Smoky Park Highway) into the main entrances. 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.

City of Asheville
Buncombe County
U-5019C
41503.2.3

This Project consists of the right of way acquisition for the River Arts District Transportation Improvement Project. This Supplemental Agreement is to extend the completion date of the project. The Municipality shall complete the project by September 1, 2019 in lieu of September 1, 2018.

NCDOT June Board of Transportation Agenda

Approval of Municipal Street System Changes

Deletions to the State Highway System

Division	County	Municipality	Road	Termini	Length
10	Cabarrus	Town of Harrisburg	Farmington Ridge Parkway	To add Farmington Ridge Parkway in the Town of Harrisburg	0.210
12	Cleveland	City of Kings Mountain	Peaceful Valley	To add roads in the City of Kings Mountain	0.100
			Center Street		0.300
			Linwood Road		0.690
			Walker Street/Waco Road		0.460
			N. Cansler Street		0.580
			Dover Road		0.150
			Sims Street		0.130

Total Miles= 2.62 Miles

NCDOT June 2018 Board of Transportation Agenda

<u>No.</u>		<u>Enacted Page No.</u>
1	Preliminary Right of Way Plans	R - 1 & R - 2
2	Final Right of Way Plans	R - 3 & R - 4
3	Revisions of Final Right of Way Plans	R - 5
3	Approval of Conveyance of Highway Right of Way Residues	R - 6
4	Approval of Conveyance of Surplus Highway Right of Way	R - 7
5	Approval of Conveyance of Permanent Easement	R - 8
6	Approval of Revision in Control of Access	R - 9
7	Approval of Assignment of Permanent Easement	R - 10
8	Approval of Private Bridge on Highway Right of Way	R - 11
9	Advance Acquisition of Highway Right of Way	R - 12
10	Advance Acquisition of HWY Right of Way (Complex Relocation)	R-13 – R-15
11	Advance Acquisition of HWY ROW (Dept. Directed Total Acquisition)	R-16 & R-17
12	Conveyance ROW Residue (HB 501)	R-18 - R-20

Preliminary Right of Way Plans

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

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

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

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

(Division 3)

Onslow County; I.D. No. W-5602; Project No. 50139.2.1:

NC 172 from Camp Lejeune Gate to NC 210 convert two lane to three lane roadway with a two way left turn lane

Sampson County; I.D. No. R-2303E; Project No. 34416.2.8:

NC 24 from US 421 – 701 / SR 1296 (Sunset Avenue) to SR 1935 (Cecil Odie Road)

New Hanover County; I.D. No. U-4902B; Project No. 40238.2.2:

Us 17 Business (Market Street) from the CSX Railroad to Cinema Drive and from Jacksonville Street to North of US 117/NC 132 (College Road)

(Division 4)

Johnston County; I.D. No. W-5204G; Project No. 45334.2.6:

SR 1330 (Polenta Road) from SR 1010 (Cleveland Road) to SR 1514 (McLemore Road); SR 1330 (Raleigh Road) from SR 1510 (Sonny Road) to SR 1514 (McLemore Road) SR 3162 (Lassiter Farm Road)

Preliminary Right of Way Plans (continued)

(Division 7)

Orange County; I.D. No. R-5821B; Project No. 47093.2.3:

NC 54 from SR 1006 (Orange Grove Road) to SR 1107/SR 1937 (Old Fayetteville Road)

(Division 14)

Haywood County; I.D. No. U-5888; Project No. 44625.2.1:

Intersection of US 23 Business (North Main Street) to Walnut Street

PRELIMINARY RIGHT OF WAY PLANS

6 PROJECT(S)

\$ 0.00

Final Right of Way Plans

Right of way acquisition in accordance with the preliminary right of way plans on file in the Right of Way Unit has been determined to be necessary for public use and was authorized by the Board. Certain changes in the right of way have necessitated alteration of the preliminary right of way plans. Final plans have been prepared and provide for the construction, design, drainage and control of access for these projects. The Board finds that such rights of way and control of access as shown on the final plans are for a public use and are necessary for construction. The sections of roads which were shown on the preliminary plans as sections of roads to be abandoned are hereby abandoned and removed from the State Highway System for Maintenance upon the completion and acceptance of the project.

The rights of way for the location, design and construction of highways embraced in the following projects shall be as shown in detail on the final plans for said projects as follows:

(Division 2)**Project No. 45834.2.2; Pitt County; I.D. No. U-5606:**

Paving, drainage, grading, signals and retaining walls on SR 1598/SR 1620 (Dickinson Ave) from NC 11 (Memorial Drive) to SR 1610 (Reade Circle) with the right of way indicated upon the final plans for said project.

(Division 3)**Project No. 50117.2.1; Onslow County; I.D. No. U-5719:**

Grading, drainage, paving, signal and ITS on SR 1396 at US 258 and Blue Creek Road with the right of way indicated upon the final plans for said project.

(Division 4)**Project No. 40137.2.1; Edgecombe County; I.D. No. B-4932:**

Grading, drainage, paving and structure on Bridge No. 28 over Tar River on NC 42 with the right of way indicated upon the final plans for said project.

(Division 5)**Project No. 42838.2.1; Wake County; I.D. No. B-5237:**

Grading, drainage, paving and structure on Bridge No. 248 over Mahler's Creek on SR 2703 with the right of way indicated upon the final plans for said project.

(Division 7)**Project No. 34802.2.2; Guilford County; I.D. No. U-2412A:**

Grading, drainage, paving, structures and signals on SR 1486 – SR 4121 (Greensboro/High Point Road) from proposed US 311 Bypass to West of SR 1480 (Vickrey Chapel Road) with the right of way indicated upon the final plans for said project.

Final Right of Way Plans (continued)

(Division 7) (continued)

Project No. 46065.2.1; Guilford County; I.D. No. B-5351:

Grading, drainage, paving, structures and signals on US 29/US 70 / Business 85 SB, replace Bridges No. 237 and 242 over Deep River in High Point with the right of way indicated upon the final plans for said project.

Project No. 45220.2.1; Guilford County; I.D. No. U-5169:

Drainage, grading, paving, structure and signals on I-74/US 311 and NC 68 (Eastchester Drive) interchange ramp replacement with the right of way indicated upon the final plans for said project.

(Division 9)

Project No. 36600.2.1; Forsyth County; I.D. No. U-4734:

Drainage, paving, grading, structures and signals on Kernersville – SR 2601 (Macy Grove Road) extension from SR 1005 (East Mountain Street) to NC 150 (North Main Street) with the right of way indicated upon the final plans for said project.

Project No. 44392.2.1; Rowan County; I.D. No. U-5820A:

Grading, drainage, curb and gutter, paving and sidewalks on Innes Street Market Drive Extension and existing road improvements from SR 2576 (Bendix D) to SR 1006 Faith Rd) in Salisbury with the right of way indicated upon the final plans for said project.

(Division 12)

Project No. 45997.2.1; Iredell County; I.D. No. U-5963:

ITS, signals, fiber optic cable on nc 115 (Mecklenburg Highway) from SR 1135 (Waterlynn Road) to Yellow Wood Drive install closed loop signal system with the right of way indicated upon the final plans for said project.

Project No. 40159.2.1; Iredell County; I.D. No. B-4982:

Grading, drainage, paving and structure on Bridge No. 38 over Third Creek on US 21 – NC 115 with the right of way indicated upon the final plans for said project.

(Division 13)

Project No. 38372.2.1; Burke County; I.D. No. B-4448:

Grading, paving, drainage and structures on Bridges No. 149 and 150 over SR 1744 on I-40 with the right of way indicated upon the final plans for said project.

Project No. 46115.2.1; Buncombe County; I.D. No. B-5400:

Drainage, paving, grading and structure on Bridge No. 259 over South Hominy Creek on SR 3466 with the right of way indicated upon the final plans for said project.

Revisions of the Final Right of Way Plans

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

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

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

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

(Division 3)

Project No. 34416.2.4; I.D. No. R-2303C; Sampson County:

Final Right of Way plans approved on the minutes of the September 5, 2013 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 25 as presented at the May 31, 2018 Board of Transportation Meeting.

Project No. 34416.2.5; I.D. No. R-2303D; Sampson County:

Final Right of Way plans approved on the minutes of the September 5, 2013 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 28 as presented at the May 31, 2018 Board of Transportation Meeting.

(Division 12)

Project No. 34497.2.FS9; I.D. No. R-2707C; Cleveland County:

Final Right of Way plans approved on the minutes of the May 4, 2017 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 37 & 39 as presented at the May 31, 2018 Board of Transportation Meeting.

REVISION FINAL ROW PLANS

3 PROJECT(S)

\$ 0.00

Approval of Conveyance of Highway Right of Way Residues

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

(Division 10)

**Project 34749.2.GV2, Parcel U-0209B 003, US 74 (Independence Blvd) from NC 24/27 (Albemarle Road) to Idlewild Road
Mecklenburg County**

Conveyance of an approximate 5.054-acre residue area to the City of Charlotte the appraisal value of \$1,541,200.00.

(Division 12)

**Project 34847.2.1, Parcel U-2712 079, SR 2200 (Cox Road Extension) from South of Duke Street to Armstrong Park Road
Gaston County**

Conveyance of an approximate 0.493-acre residue area to Richard Thomas Mathis and Dorothy B. Mathis, the only interested adjacent owners, for the appraised value of \$3,700.00.

(Division 14)

**Project 45832.2.1, Parcel U-5604 016, US 441 Business from US 23/US 64/US 441 to Porter Street
Macon County**

Conveyance of an approximate 0.108-acre residue area to Macon County as part settlement for no monetary consideration.

CONVEYANCE ROW RESIDUE

3 PROJECT(S)

\$ 1,544,900.00

Approval of Conveyance of Surplus Highway Right of Way

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

(Division 12)

**Project 34554.2.3, Parcel R-3833B 162Z, SR 1116 (Talbert Road) near SR 1100
(Brawley School Road) in Mooresville
Iredell County**

Conveyance of an approximate 0.367-acre surplus right of way area to HDC-Brawley-Mooresville Partners, LP for the enhancement value of \$75,250.00.

CONVEYANCE OF SURPLUS RIGHT OF WAY	1 PROJECT(S)	\$ 75,250.00
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Approval of Conveyance of Permanent Easement

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

(Division 5)**Project 44092SA.2.T12ROW, Parcel P-5500 015, Raleigh Union Station in Raleigh Wake County**

The Department acquired a residue area from CSX Transportation, Inc. for construction of the Raleigh Union Station. The National Railroad Passenger Corporation (Amtrak) has requested an approximate 0.0053-acre permanent easement for Raleigh Union Station platform and concourse access Outfall project. The Department has determined that this conveyance would do minimal damage to the property. The National Railroad Passenger Corporation (Amtrak) has agreed to the conveyance for no monetary consideration.

Project 44092SA.2.T12ROW, Parcels P-5500 001, 002, 003, and 015, Raleigh Union Station in Raleigh Wake County

The Department acquired a residue area from CSX Transportation, Inc. for construction of the Raleigh Union Station. The City of Raleigh has requested an approximate 0.500-acre permanent easement for access, maintenance, and repairs of bridges involving the development of the Raleigh Union Station, and City of Raleigh will convey a 0.2794-acre permanent and perpetual easement to the Department. The Department has determined that this conveyance would do minimal damage to the property. The City of Raleigh has agreed to the conveyance for no monetary consideration.

CONVEYANCE OF PERMANENT EASEMENT**2 PROJECT(S)****\$ 0.00**

Approval of Revision in Control of Access

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

(Division 3)

**Project 9.8031471, Parcel U-1253H 003, NC 53 (Western Blvd) near Williamsburg Parkway in Jacksonville
Onslow County**

Grant of a revision in the existing control of access to River of Life Church for an approximate 40 foot shift west to avoid conflicts with a Duke Power utility easement along NC 53 (Western Blvd) near Williamsburg Parkway in Jacksonville for no monetary consideration.

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

\$ 0.00

Approval of Assignment of Permanent Easement

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

(Division 10)**Project 34408.3.5, Parcels R-2246B 073, 075, 079, 084, and 092, George Liles Parkway from SR 1304 (Roberta Road) to SR 1431 (Weddington Road)
Cabarrus County**

The Department acquired permanent easements for the construction near George Liles Parkway. The Department agreed to the assignment of an approximate 6.774-acre permanent easement to the City of Concord per Municipal Agreement dated March 6, 2013. The Department has determined that this assignment would do minimal damage to the property. The City of Concord has agreed to the assignment for no monetary consideration.

**Project 34181.2.4, Parcels I-311C 032A, 033, 035, 036, 038, 039, 040, 042, 043, 044, and 048, I-277 to North of I-85, I-77 Hot Lanes Toll Project
Mecklenburg County**

The Department acquired permanent easements for the construction near I-77. The Department agreed to the assignment of an approximate 0.435-acre permanent easement to Duke Energy Carolinas, LLC per Utility Relocation Agreement. The Department has determined that this conveyance would do minimal damage to the property. Duke Energy Carolinas, LLC has agreed to the assignment for no monetary consideration.

APPROVAL OF ASSIGNMENT OF PERMANENT EASEMENT 2 PROJECT(S) \$ 0.00

Approval of Private Bridge on Highway Right of Way

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

(Division 8)**SR 1107 (E Third Street) in Siler City
Chatham County**

In accordance with G.S. 136-18 (37), the Board of Transportation authorizes the Department to permit an Encroachment of the right of way for the construction of a private pedestrian bridge over SR 1107 (E. Third Street) in Siler City. The proposed pedestrian bridge will serve as access from the employee parking lot on the south side of SR 1107 to the processing plant on the north side of SR 1107. Locations, plans, and specifications for the bridge shall be approved by the Department and the encroachment shall not unreasonable interfere with or obstruct the public use of SR 1107 (E. Third Street) and shall be subject to all rules, regulations, and conditions of the Department for encroachments and including all conditions mandated under G.S. 136-18 (37).

APPROVAL OF PRIVATE BRIDGE ON HIGHWAY ROW**1 PROJECT(S)****\$0.00**

Advance Acquisition of Highway Right of Way

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

Division 2

**Property of Rose Anne Poist
I.D. No. R-2511, Parcel #901
WBS 35494.1.1, F. A. Project N/A,
County of Beaufort**

**Property of Linwood Earl Smith
I.D. No. R-2513A, Parcel #900
WBS 35497.1.3, F. A. Project N/A,
County of Craven**

Division 5

**Property of Betty H. Johnson
I.D. No. R-2829, Parcel #902
WBS 35517.1.2, F. A. Project N/A,
County of Wake**

**Property of Trinity Partners (Sam DiFranco)
I.D. No. U-5720A, Parcel # 900
WBS 46308.1.1, F. A. Project N/A,
County of Durham**

Division 9

**Property of Jack Tolbert and Wife Betty
I.D. No. U-2579AB, Parcel #926
WBS 34839.1.8, F. A. Project N/A,
County of Forsyth**

APPROVAL OF ADVANCE ACQUISITION FOR HIGHWAY ROW 5 PROJECT(S) \$0.00

Advance Acquisition of Highway Right of Way (Complex Relocation)

Upon recommendation of the Manager of the Right of Way Branch, 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 Branch to acquire said properties either by negotiation or by condemnation through the Office of the Attorney General.

Division 5**I.D. No. P-5715****WBS 46927.1.1, F. A. Project; N/A,
County of Wake**

1904 New Hope Associates, LLC	Parcel 900
Quality Oil Company	Parcel 901

I. D. No. P-5720**WBS 46932.1.1, F. A. Project; N/A,
County of Wake**

CAH 2015-1 Borrower LLC	Parcel 903
Joseph A. Matteis Sr. A/W Ellen	Parcel 904
Scott StClair A/W Jeanette	Parcel 905

I. D. No. P-5707**WBS 44643.1.1, F. A. Project; N/A,
County of Wake**

Miller Whitman Investments LLC	Parcel 900
Heritage Vets, PLLC	Parcel 901
Waypoint Capcreek MF Owner LLC	Parcel 902

Advance Acquisition of Highway Right of Way (Complex Relocation) (Continued)**Division 7****I.D. No. U-5896/B-5353****WBS 44674.1.1, F. A. Project; N/A,****County of Guilford**

O'Reily Automotive Inc.	Parcel 601
Gail H. Hodgins	Parcel 602
Clements Family-Cloverleaf LLC	Parcel 603
Jay Meladi Krupa, Inc	Parcel 604
John Alexander Herke& Margaret J. Herke	Parcel 605

Division 12**I. D. No. R-2707 D & E****WBS 34497.2.13 (D) 34497.2.15 (E), F. A. Project; N/A,****County of Gaston**

Lelia and Henry Yarborough	Parcel 622
NCDOT (Kemper Road)	Parcel 623
Walker Cassidy	Parcel 624
Ronald K. Church	Parcel 625
Michael J. Norman a/w Connie	Parcel 626
Max Hugh Camp	Parcel 627
Edwin Harrill and Pamela Harrill	Parcel 628
Thomas L. McCluney	Parcel 629
Bobby Dean Fortenberry heirs, Barbara Smith	Parcel 630
F Don Melton, et ux	Parcel 631
Randolph Biggers (Lessor to Billboard Owner)	Parcel 632
The Carolina Conference Seventh Day Adventist Association (Lessor to Billboard Owner)	Parcel 633
Stan Hal Queen	Parcel 634
Wesley Lail	Parcel 635
James Strickland Jr.	Parcel 636
Micheal R. Strickland & Mary Madigan	Parcel 637
Calvin Keith Crawford, Tony Crawford	Parcel 638
Robert Keith Proctor, Katherine Proctor	Parcel 639
Jack T. Pettycord III	Parcel 640
Kenneth B Randle	Parcel 641
Jack Williams Heirs	Parcel 642
Cassandra Everheart	Parcel 643
John M Overman	Parcel 644
James R Leadbetter	Parcel 645

Advance Acquisition of Highway Right of Way (Complex Relocation) (Continued)**Division 12 (continued)****I. D. No. R-2707 D & E****WBS 34497.2.13 (D) 34497.2.15 (E), F. A. Project; N/A,
County of Gaston**

Cathy S. Cowan Huntwood Trust	Parcel 646
Delores W. Patterson, life estate	Parcel 647
Margaret Jones Bridges	Parcel 648
J. Scott Leatherman, et ux	Parcel 649
Sean Clark/Shawn Clark, et al	Parcel 650
VMax LLC & Darius Sonaila	Parcel 651
Glenn Alton Dover	Parcel 652
John L. Rachels A/W Bettina	Parcel 653
Cleveland County	Parcel 654
J.A. Injejikian	Parcel 655
Michael J. Norman a/w Connie	Parcel 626

Advance Acquisition of Highway Right of Way (Department Directed Total Acquisition)

Upon recommendation of the Manager of the Right of Way Branch, 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 Branch to acquire said properties either by negotiation or by condemnation through the Office of the Attorney General.

Division 5**I. D. No. B-4654****WBS 38454, F. A. Project N/A,****County of Wake**

William J. Dumont

Parcel 600

Ameriserv LLC

Parcel 601

Randolph L. Upchurch

Parcel 602

Larue Powell

Parcel 603

L. Bruce Peacock

Parcel 604

Roger Brent Byrd

Parcel 605

Star Brite Housing, LLC

Parcel 606

Division 12**I. D. No. U-4700****WBS 35993, F. A. Project N/A,****County of Catawba**

Phalcon Properties, LLC

Parcel 600

Marie Rita Chesley and Margaret E. McInnis

Parcel 601

Winnfield B. Lail, Jr.

Parcel 602

Mild Red, LLC

Parcel 603

Duke Energy Carolinas, LLC

Parcel 604

Duke Energy Carolinas, LLC

Parcel 605

Duke Power Tax Department

Parcel 606

Huffman Hosiery Mill, Inc.

Parcel 607

Huffman Finishing Co., Inc.

Parcel 608

Huffman Hosiery Mill, Inc.

Parcel 609

Huffman Finishing Co., Inc.

Parcel 610

Advance Acquisition of Highway ROW (Dept Directed Total Acquisition) (continued)**Division 12 (continued)****I. D. No. R-2707 D & E****WBS 34497.2.13 (D) 34497.2.15 (E) , F. A. Project N/A,****County of Gaston**

Jacqueline Harrison	Parcel 600
Joseph Dale Spangler	Parcel 601
Wilhelminia J. Howell	Parcel 602
Lloyd D. Caldwell A/W Jerralene	Parcel 603
James Morrow, Linda Morrow	Parcel 604
Ronnie Faye Morrow	Parcel 605
M. Deaton et ux	Parcel 606
Jack Ray Harmon, Jo Ann Harmon	Parcel 607
Larry Radford, et ux	Parcel 608
Robert G Randall	Parcel 609
Lunette Lewis Whisnant	Parcel 610
Lunette Lewis Whisnant	Parcel 611
Jo Ann Carroll Harmon	Parcel 612
James Lawson Thompson Jr, Bobby Ray Horne, et al	Parcel 613
Delores W. Patterson	Parcel 614
Gerald D. Peppers	Parcel 615
C Mcswain Earl	Parcel 616
B & N Properties	Parcel 617
James C. Heafner	Parcel 618
Alconon Club of Shelby, Inc.	Parcel 619
Ann W. Tria	Parcel 620
Betty Harmon Babb	Parcel 621

Division 14**I. D. No. A-0011C****WBS 32574.1.FD7, F. A. Project N/A,****County of Clay**

Saeed Munshi	Parcel 015
LB & MB Properties, LLC	Parcel 057
Tracy L. Hogsed	Parcel 058
Brad Long	Parcel 074
Justin R. Cherry A/W Jillian	Parcel 075
Verlin Ledford A/W Mona	Parcel 085
Linda C. Owenby	Parcel 086
Thomas B. Nichols	Parcel 103

Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or Auctioneer per House Bill 501 Pilot Program

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

(Division 4)

Project 36109.87.20, Parcel R-1030BA 021 Proposed US 117 Bypass from South of SR 1002 to South of SR 1342

Wayne County

Conveyance of an approximate 5.60-acre landlocked residue area to Charles D Dees for the highest offer amount of \$1,000.00.

(Division 7)

Project 36109.TF, Parcel U-2413B 029 SR 1541 Wendover Ave from Penny Road SR 1536 to Guilford College Road SR 1546

Guilford County

Conveyance of an approximate 0.29-acre landlocked residue area to Luan M Ly and Nguyet Thi Thu Tram for the highest offer amount of \$25,000.00.

Project 36109.80.20, Parcel U-2524AB 075D Greensboro Western Loop from North of I-85 near Groometown Rd to North of High Point Rd

Guilford County

Conveyance of an approximate 0.29-acre landlocked residue area to Dulce Patricia Nava Alonso for the highest offer amount of \$18,000.00.

Project 36109.TF, Parcel I-2402C 909 I-85/I-40 Greensboro Bypass from North of SR 3314 Wiley-Lewis Rd to South of SR 3000 McConnell Rd

Guilford County

Conveyance of an approximate 0.028-acre landlocked residue area to Thaddeus James Wilson for the highest offer amount of \$15.00.

Project 36109.80.20, Parcel U-2525B 013 Greensboro Eastern Loop from North of US 70 relocation to US 29 North of Greensboro

Guilford County

Conveyance of an approximate 0.0484-acre landlocked residue area to Thaddeus James Wilson for the highest offer amount of \$75.00.

(Division 10)

Project 36109.80.20, Parcel U-2507A 089 Charlotte – SR 2467 Mallard Creek Road from SR 2480 Sugar Creek Road to SR 2665 Harris Blvd

Mecklenburg County

Conveyance of an approximate 0.011-acre landlocked residue area to Thaddeus James Wilson for the highest offer amount of \$274.00.

Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or Auctioneer per House Bill 501 Pilot Program (continued)

(Division 10) (continued)

**Project 36109.80.20, Parcel U-2507A 029 Charlotte – SR 2467 Mallard Creek Road from SR 2480 Sugar Creek Road to SR 2665 Harris Blvd
Mecklenburg County**

Conveyance of an approximate 0.011-acre landlocked residue area to Thaddeus James Wilson for the highest offer amount of \$20.00.

**Project 36109.80.20, Parcel R-2123AA 002 Eastern Charlotte Outer Loop from North of US 74 E Independence Blvd to south of SR 1004 Lawyers Rd
Mecklenburg County**

Conveyance of an approximate 0.011-acre landlocked residue area to Thaddeus James Wilson for the highest offer amount of \$20.00.

**Project 36109.TF, Parcel R-2123CE 025 & 026 I-485 Charlotte Eastern Outer Loop/I-85
Mecklenburg County**

Conveyance of an approximate 0.431-acre residue area to Ramon Lopez for the highest offer amount of \$40,000.00.

**Project 36109.TF, Parcel R-2123CE 033 I-485 Charlotte Eastern Outer Loop/I-85
Mecklenburg County**

Conveyance of an approximate 0.213-acre residue area to Ramon Lopez for the highest offer amount of \$20,000.00.

(Division 12)

**Project 36109.80.20, Parcel U-2404A 046 Newton-Conover Eastern Loop from NC 16 South of Newton to SR 1739 Emanuel Church Rd.
Catawba County**

Conveyance of an approximate 7.90-acre landlocked residue area to Billy H Love Jr for the highest offer amount of \$9,000.00.

**Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or
Auctioneer per House Bill 501 Pilot Program (continued)**

(Division 12) (continued)

CORRECTION TO MAY AGENDA

Presented as:

(Division 12)

**Project 36109.80.20, Parcel U-2404A 046, 047 & 048 Newton-Conover Eastern Loop
from NC 16 South of Newton to SR 1739 Emanuel Church Rd.**

Catawba County

Conveyance of an approximate 14.02-acre landlocked residue area to Clarence Race for
the highest offer amount of \$10,000.00.

Corrected to:

(Division 12)

**Project 36109.80.20, Parcel U-2404A 047 & 048 Newton-Conover Eastern Loop
from NC 16 South of Newton to SR 1739 Emanuel Church Rd.**

Catawba County

Conveyance of an approximate 5.86-acre landlocked residue area to Clarence Race for
the highest offer amount of \$1,000.00.

CONVEYANCE ROW RESIDUE (HB 501)

12 PROJECT(S)

\$ 114,404.00

R-ITEM SUMMARY

145 PROJECT(S)

TOTAL: \$ 1,734,554.00

**NORTH CAROLINA BOARD OF TRANSPORTATION
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS
FISCAL YEAR 2017 - 2018**

There will be no Maintenance Allocation submitted to the Board for approval at the June 2018 Board meeting.

May 14, 2018

MEMORANDUM TO: Board of Transportation

FROM: Transportation Planning Division

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

The Transportation Planning Division has worked cooperatively with Granville County on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by Granville County on November 20, 2017, the City of Oxford on November 14, 2017, the Town of Butner on November 2, 2017, the Town of Stem on October 16, 2017, and the Town of Stovall on November 14, 2017. It was endorsed by the City of Creedmoor on November 6, 2017 and by Kerr-Tar RPO on November 29, 2017.

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

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

The Transportation Planning Division recommends the mutual adoption of the Granville County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of May 8, 2018.

Sincerely,



Jamal Alavi, P.E.
Director, Transportation Planning Division

Attachment

May 31, 2018

Adopted by:

Granville County
Date: 11/20/2017

City of Oxford
Date: 11/14/2017

Town of Butner
Date: 11/2/2017

Town of Stem
Date: 10/16/2017

Town of Stovall
Date: 11/14/2017

Endorsed by:

City of Creedmoor
Date: 11/6/2017

Kerr-Tar RPO
Date: 11/29/2017

Recommended by:

Transportation Planning Branch
Date: 5/8/2018

Adoption Map



Granville County Comprehensive Transportation Plan

RECOMMENDED

Plan date: 8/2/17

Sheet 1 Adoption Sheet

Sheet 2 Highway Map

Sheet 3 Public Transportation
and Rail Map

Sheet 4 Bicycle Map

Sheet 5 Pedestrian Map

Legend



Airports



Schools



Roads



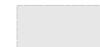
Rivers and Streams



MPO Boundary



County Boundaries



Municipal Boundaries

0 0.5 1 2 3 Miles



Sheet 1 of 5

Base map date: 4/6/17

Refer to CTP document for more details

**Capital Area Metropolitan
Planning Organization**

**Note: CAMPO portion of the CTP will be
updated with CAMPO at a later date.**

6283

NORTH CAROLINA BOARD OF TRANSPORTATION

ITEM V

There will be no Item V submitted to the Board for approval at the June 2018 Board meeting.

Committee Reports

Vice-Chairman Andy Perkins of the Audit Committee provided a committee update.

Chairman Fox, Chair of the Road Bridge and Ferry Naming Committee, provided a committee update.

Board Member Tarleton, Chair of the Highway Committee, provided a committee update.

Board Member Perkins, Chair of the Multi-Modal Committee, provided a committee update.

Board Member Jordan, Chair of the Economic Development and Intergovernmental Relations (EDIR) Committee, provided a committee update.

Chairman Fox on behalf of Board Member Lathrop, Chair of the Funding and Appropriations Strategies (FAST) Committee provided an update.

The Chairman reminded Board Members that the next meeting of the Board will be June 27 and 28, 2018, in Wilmington, NC.

Adjournment

There being no further business of the Board, Chairman Fox accepted a motion from Board Member Overholt, seconded by Board Member Zimmer to adjourn the meeting at 10:27 am.



A handwritten signature in black ink, appearing to read "Michael S. Fox".

Chairman Fox

North Carolina Board of Transportation

Attest: A handwritten signature in black ink, appearing to read "Stephanie M. Williams".

Secretary to the Board of Transportation

Dated this day 28th June, 2018

RESOLUTION FOR NORTH CAROLINA A&T STATE UNIVERSITY AGGIES

WHEREAS, the North Carolina Agricultural and Technical State University requested eight championship signs for their winning of the 2017 Historically Black Colleges and Universities Football National Championship; and

WHEREAS, the Men's Football Team won the championship title on December 16, 2017; and

WHEREAS, the Team won against the Grambling Tigers (Louisiana) with a win of 21-14; and

WHEREAS, this marks the Team's second win in three seasons of the Division I Men's HBCU Football National Championship which was led by Head Coach Rod Broadway; and

WHEREAS, this championship win meets the criteria to obtain a championship sign.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation honors the North Carolina Agricultural and Technical State University with eight national championship signs that read *North Carolina A&T 2017 HBCU College Football National Champions*.

That appropriate signs will be erected at a suitable time.

Adopted this the 31st day of May 2018 by the North Carolina Board of Transportation.


Chairman


Secretary of Transportation



NORTH CAROLINA

Department of Transportation

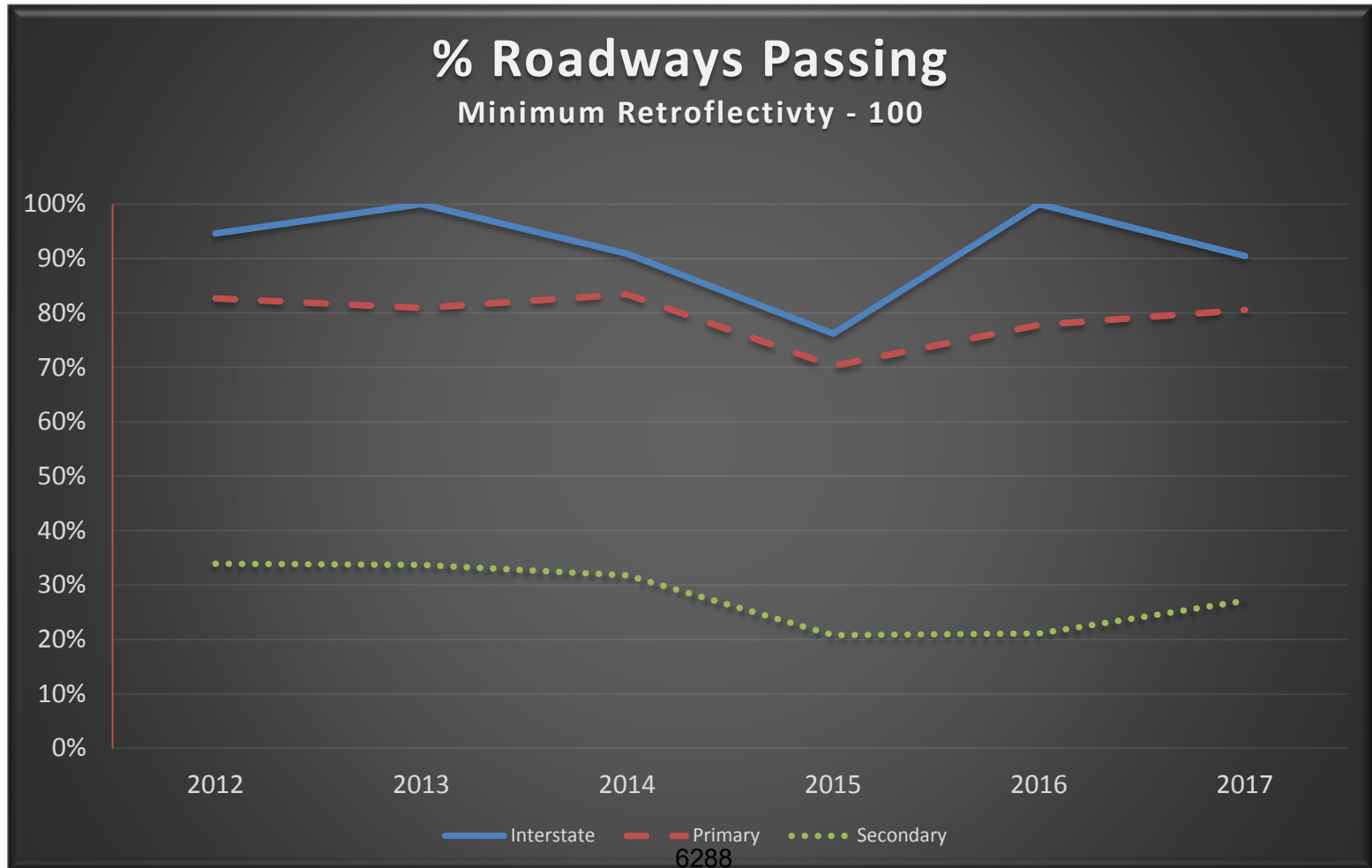


Pavement Markings in NC

J. Kevin Lacy, P.E., State Traffic Engineer

May 31, 2018

Status of Retroreflectivity Minimum on State Maintained Roads over 5 yrs



Status of Retroreflectivity Minimum on State Maintained Roads, 2017 Audit

Type	Total Miles	* % Meet Standard	* Miles Out of Tolerance
Interstate	1,257	90.5%	120
Primary	13,805	80.5%	2,686
Secondary	64,546	27.1%	**45,000

* Estimates are based on random samples during 2017 audit

** Not all secondary roads require pavement marking (~20% unmarked); this estimate provides a rough order of magnitude;

Min Retro

- North Carolina Standard Specifications for Roads and Structures (Jan 2012)
 - Details the process of installing, replacing, maintaining markings
 - Reflectometer Requirements at time of install:
 - **Thermoplastic / Polyurea (Long Life Marking): min 250-375 mcd/lux/m² (Yellow / White)**
 - **Paint: 200-225 mcd/lux/m² (Yellow / White)**
- The replacement retroreflectivity value used was 100 mcd/lux/m².
- This value is based on information from AASHTO, MUTCD subcommittee, and a Paul Carlson (TTI) study.
- Not a Federal established min required, but one is expected through the MUTCD.

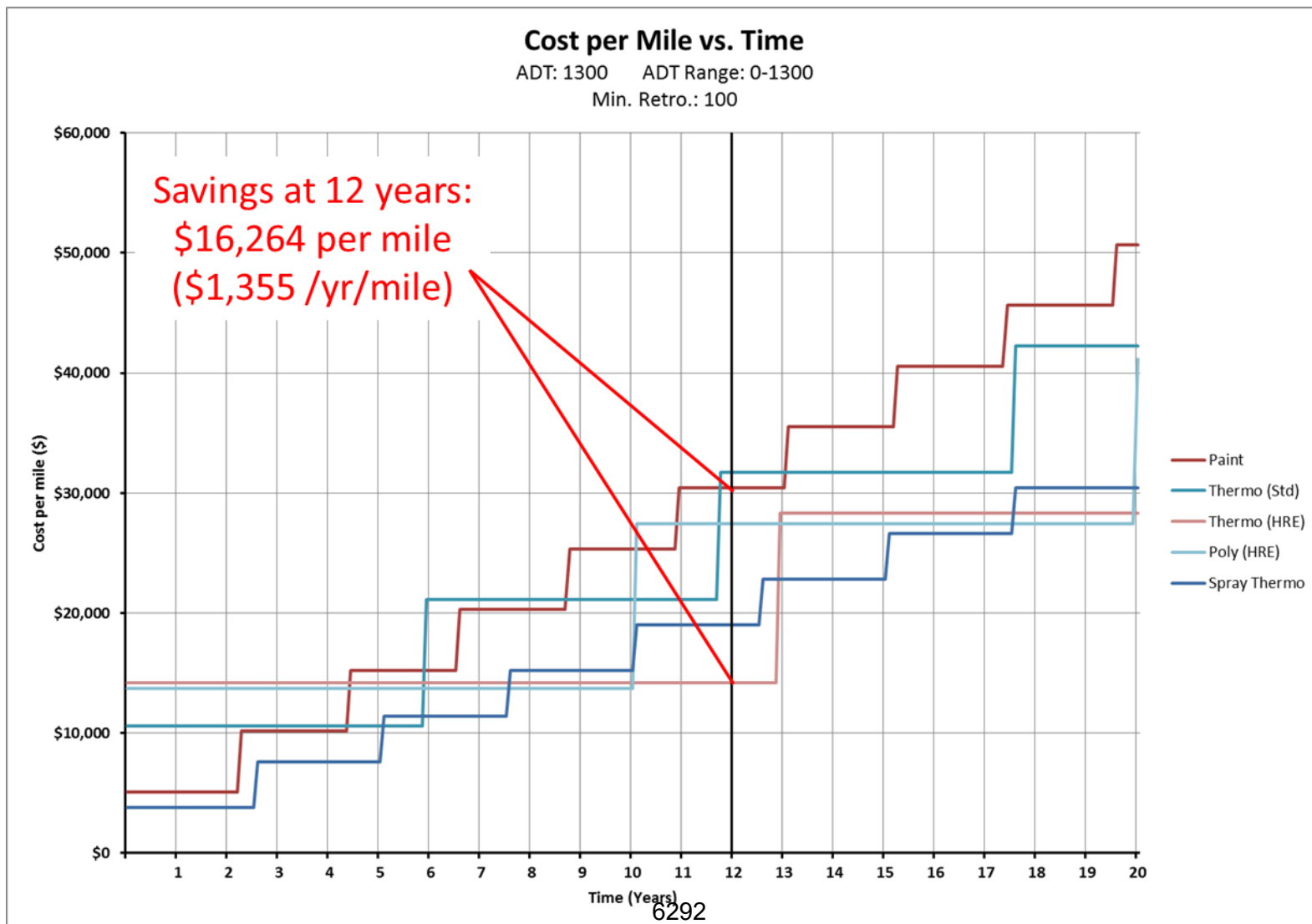
Strategies

Long Life Markings

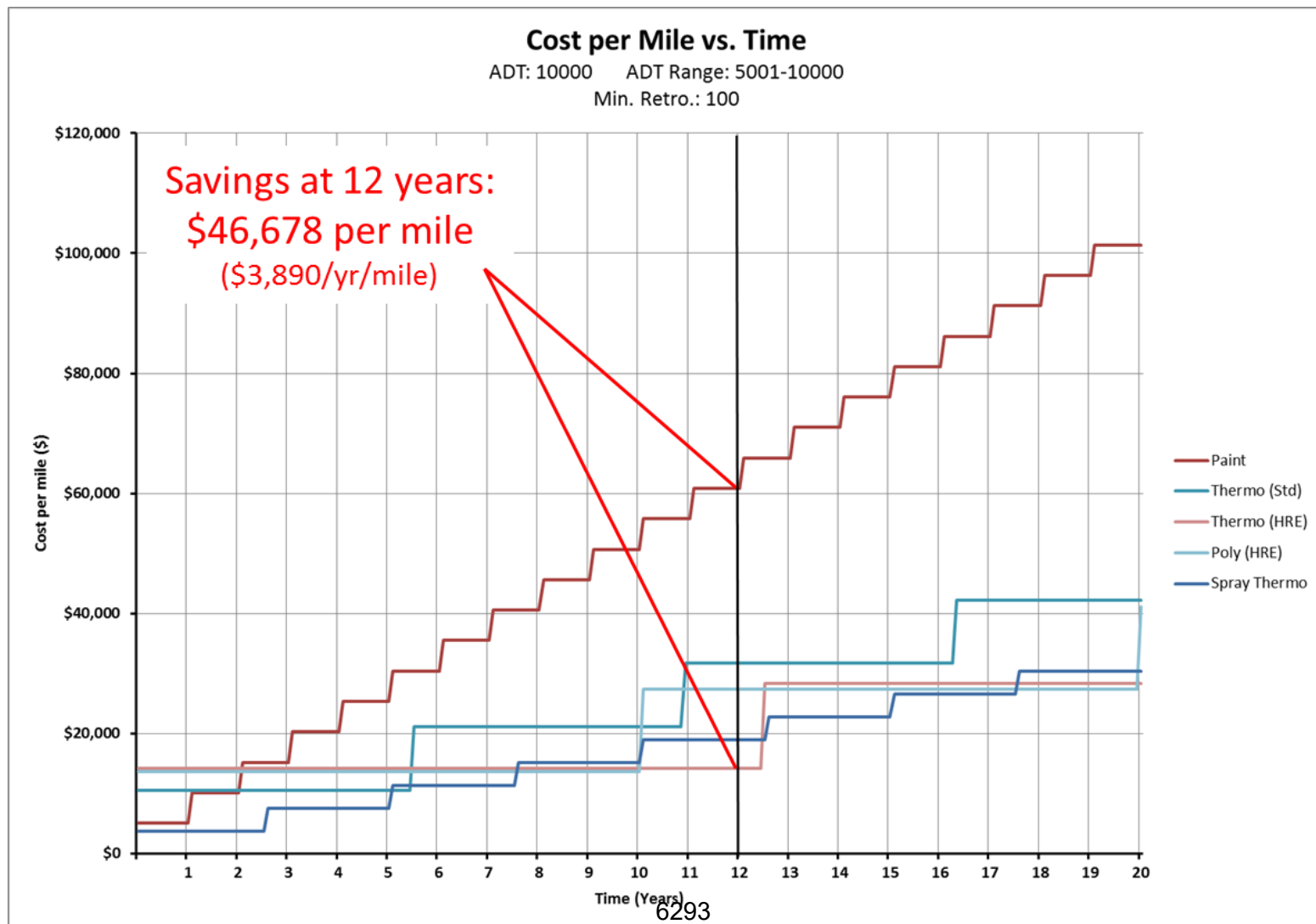
- Use long-life final markings on all TIP and Resurfacing projects.
- Use the pavement marking that is most cost effective for the situation.
- Eliminate the practice of painting over existing thermoplastic.



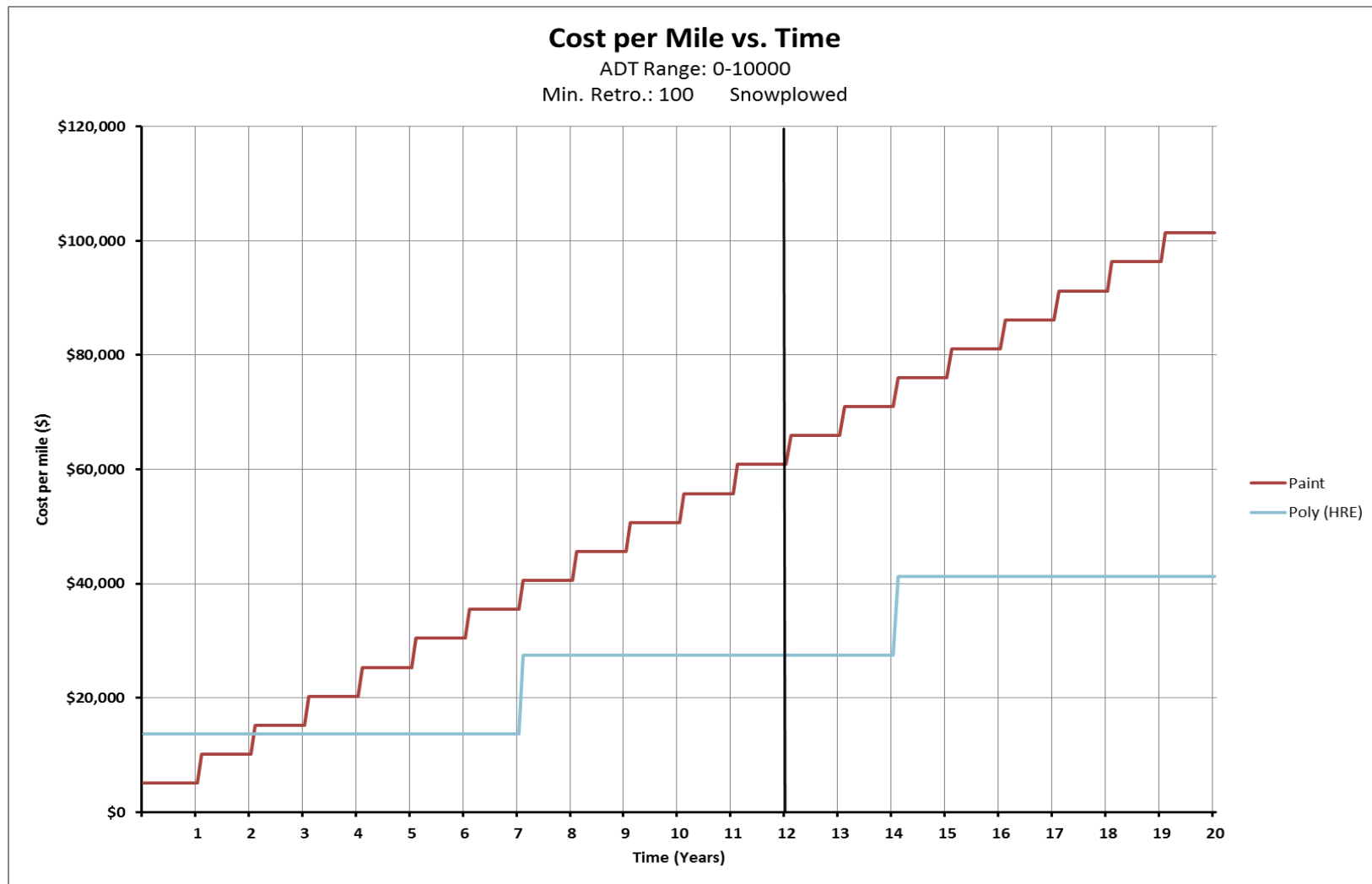
Results



Results



Results

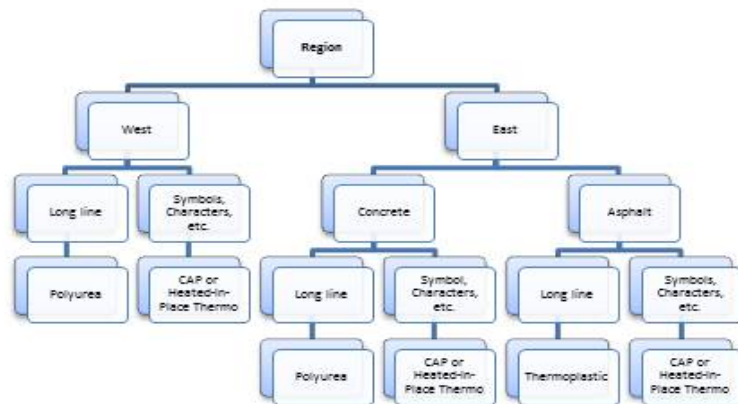
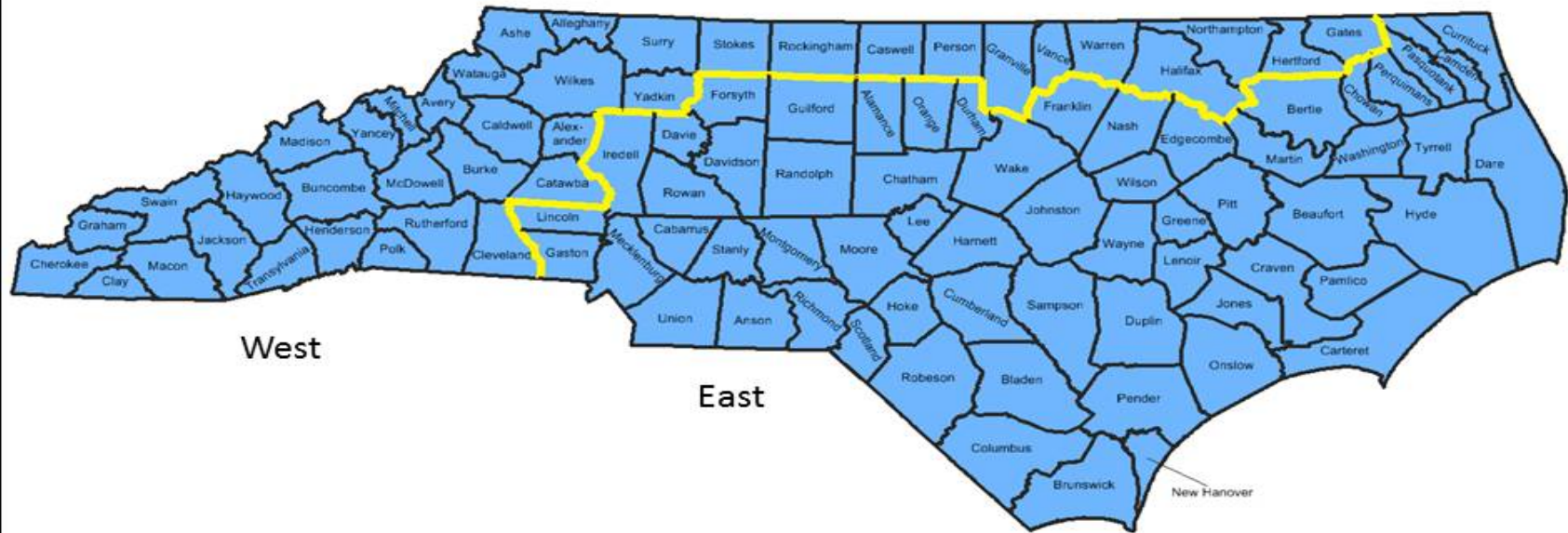


Data Acquisition

- In 2000, we began collecting state wide mobile readings of new markings on NC state roadways
- Over 9700 line miles were read in NC.
- NCSU used this data in its *Pavement Marking Performance Analysis* research to provide degradation models for paint and thermoplastic.



Pavement Marking Material Selection



Notes:

-All bike lane markings should be heated-in-place thermoplastic

Summary of Analysis

Savings per Year Using Long-Life Markings					
Division	ADT Range				Total
	0-1300	1301-3000	3001-5000	5001-10000	
Division 1	\$476,000	\$176,000	\$139,000	\$183,000	\$974,000
Division 2	\$122,000	\$50,000	\$42,000	\$78,000	\$292,000
Division 3	\$508,000	\$243,000	\$174,000	\$331,000	\$1,256,000
Division 4	\$89,000	\$44,000	\$31,000	\$43,000	\$207,000
Division 5	\$256,000	\$140,000	\$123,000	\$276,000	\$795,000
Division 6	\$474,000	\$233,000	\$174,000	\$292,000	\$1,173,000
Division 7	\$423,000	\$309,000	\$251,000	\$486,000	\$1,469,000
Division 8	\$778,000	\$313,000	\$196,000	\$408,000	\$1,695,000
Division 9	\$65,000	\$44,000	\$35,000	\$70,000	\$214,000
Division 10	\$211,000	\$87,000	\$64,000	\$202,000	\$564,000
Division 11	\$1,071,000	\$467,000	\$259,000	\$295,000	\$2,092,000
Division 12	\$684,000	\$339,000	\$253,000	\$303,000	\$1,579,000
Division 13	\$1,021,000	\$417,000	\$192,000	\$261,000	\$1,891,000
Division 14	\$954,000	\$264,000	\$189,000	\$222,000	\$1,629,000
Total	\$7,132,000	\$3,126,000	\$2,122,000	\$3,450,000	\$15,830,000

Notes:

- Total mileage marked from statewide 2014 data.
- Estimated mileage marked in each Division is based on average percent of 4" paint marking from the past 5 years.
- Estimated mileage marked in each ADT range is a weighted percentage of each Division's total mileage in that range.
- Division 11 – 14 have moderate to heavy snowplowing

Expected Results

- Systematically meet minimum retroreflectivity requirements.
- Save an estimated \$15,800,000 a year statewide.
- Increasing the cycle time between marking provides more efficient utilization of available contractors and equipment.

Personnel and Safety

- Less exposure to personnel with increased pavement marking life cycle.

Regional Touch Up

- Reviewing B/C cost to establishing regional touch up crews for long life markings.
- Vast majority of the time aesthetics versus necessary for traffic control and traffic safety purposes.



Why not to paint over thermo

- A thin coat of paint lowers the retroreflectivity due to the binder is not thick enough to hold the beads.
- Though the thermoplastic looks old and cracked the retroreflectivity is good.



Ugly vs. Functional

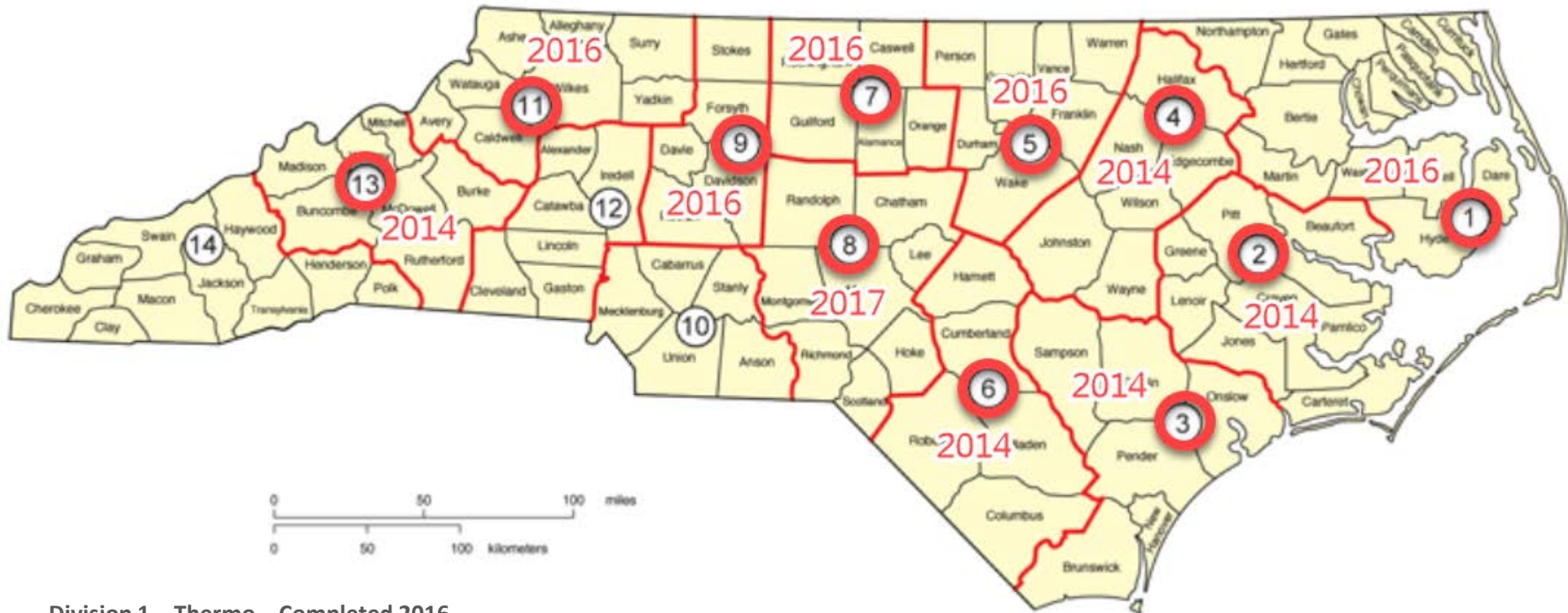


- Cracks are ugly however, thermoplastic line has presence and retro.
- Marking is a traffic control device. Gaps and cracks does not change the meaning of the traffic control device.
- Public expects to see some gaps i.e. intersections, broken lines.
- Patching locations rarely have pavement markings replaced.
- Day time appearance maybe cracked with rounded edges but still a solid line and reflects as a solid line at night.

Alternative Contract Methods

- Division striping contracts after resurfacing for long life markings.
- Multiple statewide pavement marking contracts.
- Traditional striping projects after construction.

Wider Lines/Highly Reflective Elements



Division 1 – Thermo – Completed 2016
 Division 2 – Thermo – Completed 2014
 Division 3 – Thermo – Completed 2014
 Division 4 – Thermo – Completed 2014
 Division 5 – Thermo – Completed 2016
 Division 6 – Thermo – Completed 2014
 Division 7 – Thermo – Completed 2016
 Division 8 – Thermo – Completed 2017
 Division 9 – Thermo – Completed 2017
 Division 11 – Thermo – Completed 2016
 Division 13 – Polyurea – Completed 2014

Marking Comparisons - Day



4" Paint
SR 1136 (Tally Ho) Granville Co.
Install Date Pre-2013 (Estimated)
Photo Taken March 2018
(Retro Data: CL 62/EL 85)



4" Standard Bead Thermo
SR 1116 (Cedar Creek) Franklin Co.
Installed 2012 (Estimated)
Photo Taken Dec 2017
(Retro Data: CL 181/EL 336)



NEW 4" Standard Bead Thermo
SR 1131 (Tump Wilkins) Granville Co.
Installed Summer 2016
Photo Taken Dec 2016
(Retro Data: CL 308/EL 470)

Marking Comparisons – Night



4" Paint
SR 1136 (Tally Ho) Granville Co.
Install Date Pre-2013 (Estimated)
Photo Taken March 2018
(Retro Data: CL 62/EL 85)



4" Standard Bead Thermo
SR 1116 (Cedar Creek) Franklin Co.
Installed 2012 (Estimated)
Photo Taken Dec 2017
(Retro Data: CL 181/EL 336)



NEW 4" Standard Bead Thermo
SR 1131 (Tump Wilkins) Granville Co.
Installed Summer 2016
Photo Taken Dec 2016
(Retro Data: CL 308/EL 470)

Marking Comparisons - Videos

S:\TSU\SES\Projects\Special Evaluations\Order 41000013928 - Wider Edge Lines\PRESENTATIONS\2018-03-29 Meeting\Videos

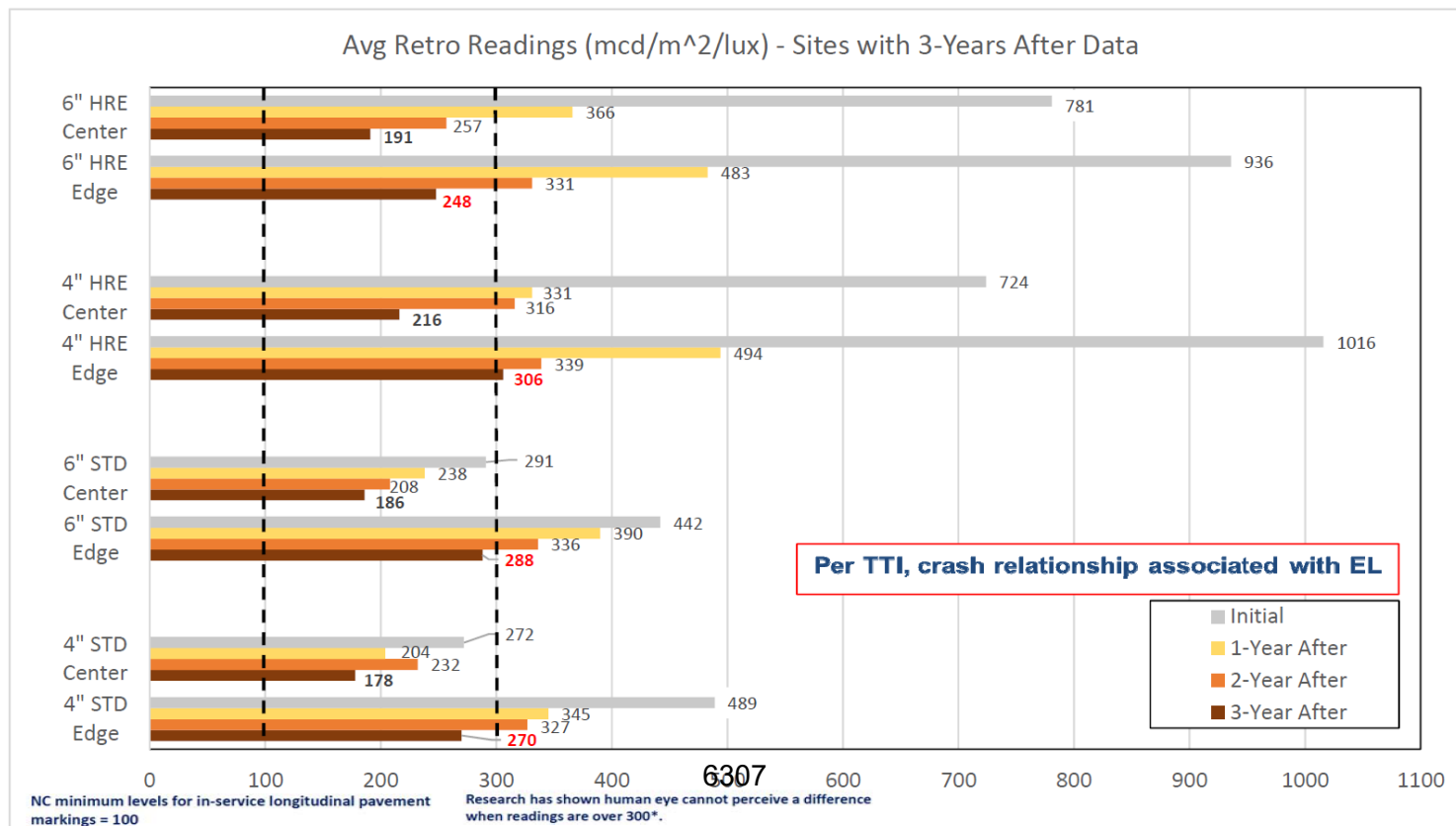
The videos are as follows:

- | | |
|---|---------------|
| • NEW Thermo | Day and Night |
| • Old Thermo | Night Only |
| • Old Thermo with appears to be Old Paint | Day and Night |
| • Old Paint | Day and Night |

Retroreflectivity Data

- Average Edge Line Retro Readings at Initial After and 3-Year After Readings (Summary Table on Next Slide):

- 6" HRE: 936 - 248
- 4" HRE: 1,016 - 306
- 6" STD: 442 - 288
- 4" STD: 489 - 270



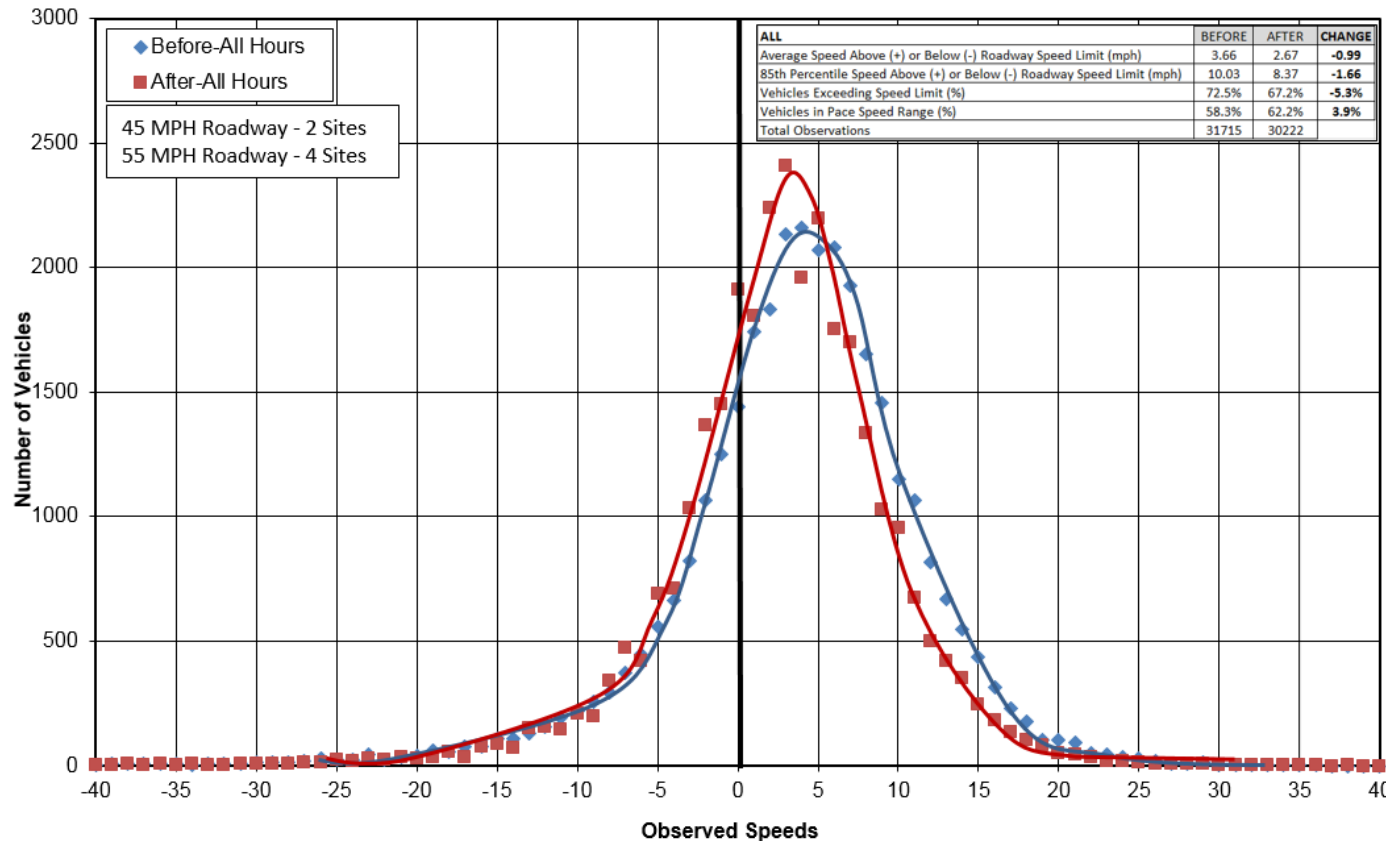
Before and After Speed Evaluation

Speed data was evaluated to determine whether motorists' behavior changes on newly striped roads. We were concerned that average and 85th percentile speeds may increase due to an increased comfortable level on a better delineated roadway.



Before and After Speed Evaluation

Before & After Speed Distributions
4" STD - Tangent



Example Speed Distribution - Before to After (4" Standard Sites)

Before and After Speed Evaluation

Tangent - All Hours		
	Speed Change from Before to After (mph)	
	Average Speeds	85th % Speeds
Comparison	-1.0	-0.8
4" STD	-1.0	-1.7
4" HRE	0.3	0.5
6" STD	-0.6	-0.4
6" HRE	-0.2	0.1
Tangent - Nighttime		
	Speed Change from Before to After (mph)	
	Average Speeds	85th % Speeds
Comparison	-0.9	-0.6
4" STD	-1.6	-2.1
4" HRE	0.9	1.2
6" STD	-0.3	0.3
6" HRE	-0.6	-0.1

Curve - All Hours		
	Speed Change from Before to After (mph)	
	Average Speeds	85th % Speeds
Comparison	-0.8	-0.2
4" STD	-0.1	-0.1
4" HRE	-0.4	-0.7
6" STD	-1.4	-0.4
6" HRE	-1.3	-1.0
Curve - Nighttime		
	Speed Change from Before to After (mph)	
	Average Speeds	85th % Speeds
Comparison	-0.2	0.3
4" STD	0.7	0.2
4" HRE	-1.0	-0.6
6" STD	-1.1	-0.3
6" HRE	-2.3	-2.1

General Trends in Data: Decreases in Speeds....

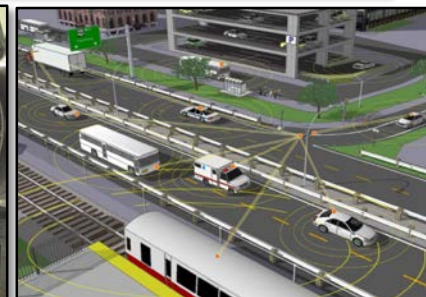
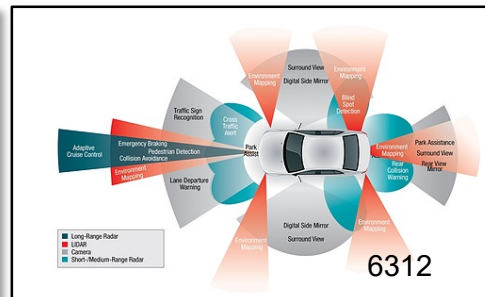
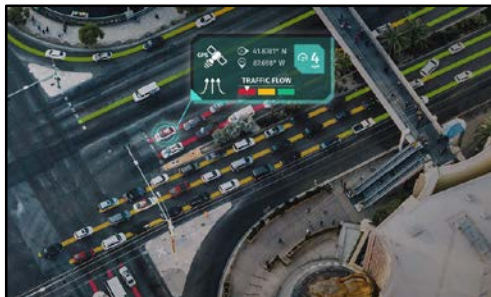
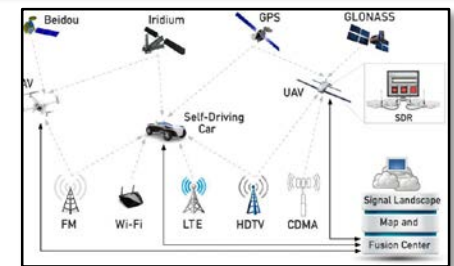
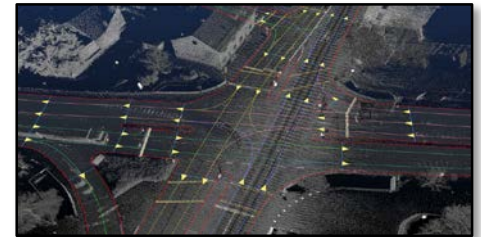
Our concern with noticeable speed increases was not apparent in data

Crash Data Summary - PRELIMINARY

- 50 sites, 191 miles restriped (this is the only change occurring on the routes)
- Analyzed 3 years of before and after data (no intersection crashes included)
- The preliminary crash data summary:
 - Total Crashes 13% Reduction
 - K-A-B Injury Crashes 28% Reduction
 - Lane Departure Crashes 30% Reduction
 - Night Crashes 16% Reduction
- Statewide lane departure crashes account for (2012-2016):
 - 56% of the Fatal Crashes
- Appears to be no affect on speed, possibly a slight decrease
- Statewide speed related crashes account for (2012-2016):
 - 25% of the Fatal Crashes

Potential Navigation Technology for Autonomous Vehicles

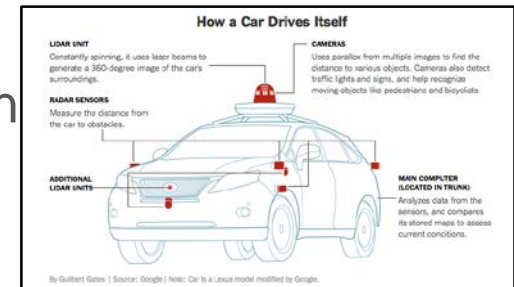
- High Resolution Mapping
- Machine Vision: LIDAR, cameras, sensors, etc.
- GPS and other signals
- Road Fingerprinting
- Crowd Sourcing
- Connected AV Infrastructure



“Machine Vision”

NCHRP 20-102: Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies

- Task Order:20-102(06) [Road Markings for Machine Vision](#)
 - Phase I: Final staffing for release
 - Phase II: Testing in 2018
- Develop minimum performance levels for pavement markings (retroreflectivity)
- Uses LIDAR / Camera system (forward facing)
- Study center, lane and edge lines, no-passing zone
- Tests in wet, dry, day and night conditions; types of markings, recessed, temporary, pavement uniformity, vehicle speed, and other impacts



	Daytime										Nighttime									
1-100 White	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Yellow	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Red	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Blue	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Green	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Purple	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Silver	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Gold	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Bronze	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Copper	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Black	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Grey	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 White	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Yellow	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Red	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Blue	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Green	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Purple	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Silver	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Gold	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Bronze	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Copper	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Black	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
1-100 Grey	2.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	1.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50



Summary

Business Case for long life markings

- Life cycle costs shows we should be using long life markings
- This will save millions per year
- Reduce complaints
- Improves night time visibility
- More effective use of limited resources
- Reduces crashes
- Reduces fatal and severe injury lane departure crashes. *lane departure crashes generate the highest number of fatalities*
- Prepares for future technological advances

What is the business case for paint?

- We have the equipment and paint is cheap
- Does not last
- Does not improve safety



NORTH CAROLINA

Department of Transportation



NC UAS Program Update & Drone Summit Overview

Division of Aviation

May 31, 2018



UAS Integration Pilot Program

- Established by **PRESIDENTIAL MEMORANDUM**
- **TEST** and **EVALUATE** various models of state, local and tribal government involvement in the development of regulations
- **ENCOURAGE** UAS operators to develop and test new innovative UAS CONOPS
- **INFORM** development of Federal guidelines and regulatory decisions on UAS operations nationwide



NCDOT Selected as Participant

- 10 participants selected from 149 proposals
- Chief Deputy Secretary Howard accepted participation in event in DC on May 9th, 2018
- Two other state DOTs selected, Kansas & North Dakota



NCDOT's Winning Proposal

The proposal seeks to test localized package delivery within a defined airspace by establishing drone delivery stations in local communities. This approach enables small businesses to utilize this delivery platform for commercial purposes

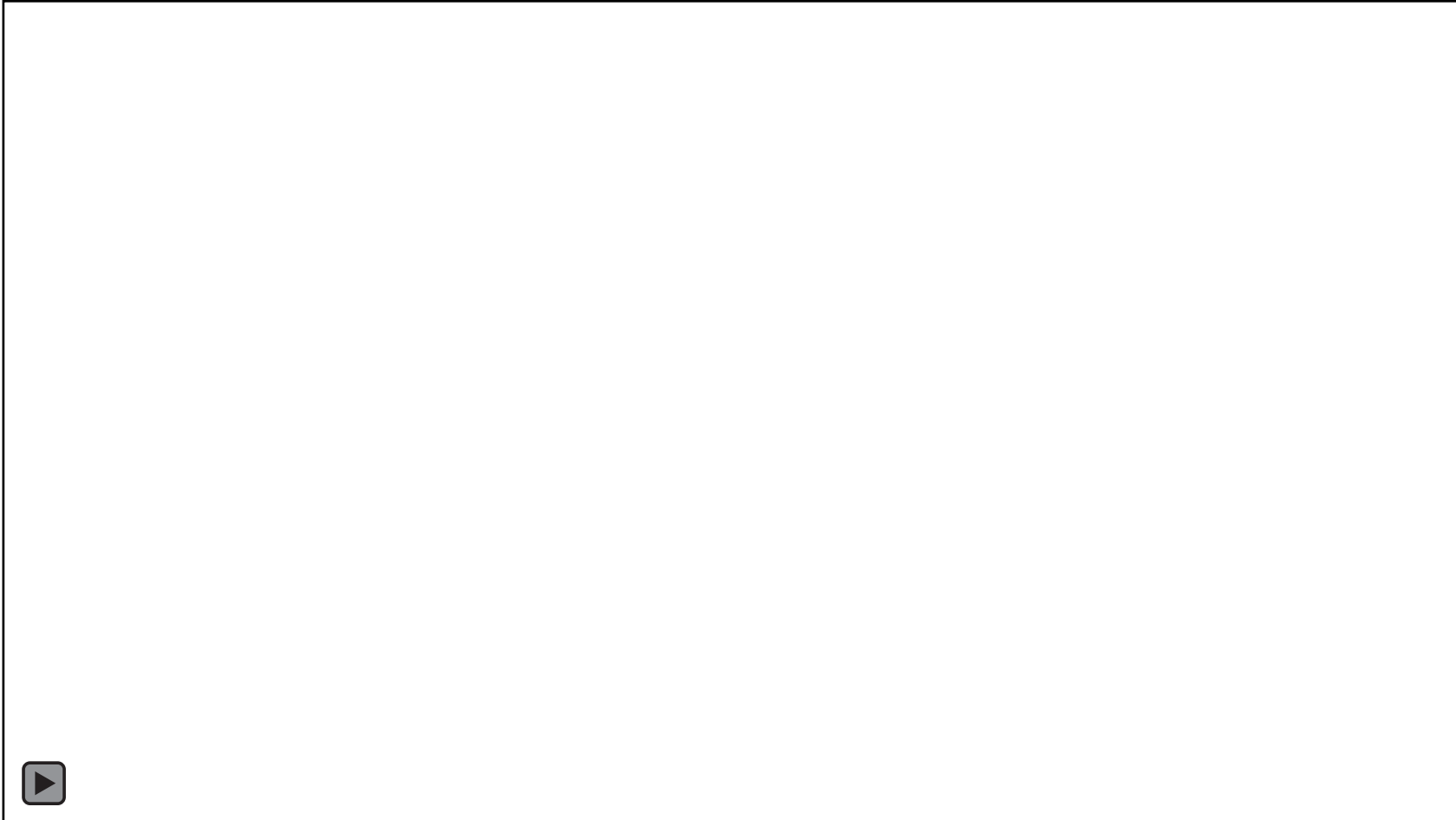
[FAA IPP Awardees Page](#)



Proposal Partners

- Industry
 - Apple
 - AirMap
 - Flytrex
 - Fortem Technologies
 - Matternet
 - PrecisionHawk
 - T-Mobile
 - WakeMed Healthcare
 - Zipline
- Local Government
 - City of Charlotte (CMPD)
 - Town of Holly Springs
 - RDU Airport Authority
- Universities
 - NC State University





<https://www.youtube.com/watch?v=Abqiievcmul6320>



MATTERNET



<https://www.youtube.com/watch?v=dD1yyWuULCs>

NC Drone Summit and Flight Expo

- NC Integration Pilot Program Highlighted at Event
- Industry and Government Leaders Presenting
- August 5-7, 2018
- Grandover Resort and Conference Center, Greensboro, NC

<https://www.ncdronesummit.com/>



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ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

May 21, 2018

Approval of the Division of Mitigation Services Biennial Budget for Fiscal Years 2018-2019 and 2019-2020

The Division of Mitigation Services (DMS), Department of Environmental Quality, performs offsite mitigation services for the North Carolina Department of Transportation (NCDOT). Each year, DMS provides the Board of Transportation (the Board) a biennial budget for approval based upon mitigation ordered to meet transportation improvement project timelines and objectives.

DMS presented the Biennial Budget for Fiscal Years 2018/2019 and 2019/2020 to the Board during its May 3, 2018 meeting. The budget includes funding for new and existing mitigation projects developed to support transportation initiatives as well as ensuring perpetual protection of these mitigation areas.

DMS is requesting the Board approve the proposed Biennial Budget for Fiscal Years 2018/2019 and 2019/2020 in the amount of \$98,114, 355 during its May 31, 2018 meeting.



NORTH CAROLINA

Department of Transportation



North Carolina Statewide Transportation Plan

Board of Transportation

May 30, 2018

What is a Statewide Plan?

- Long-range multimodal transportation plan
- Policy-based plan to set long-term priorities

How the Plan Shapes North Carolina's Future

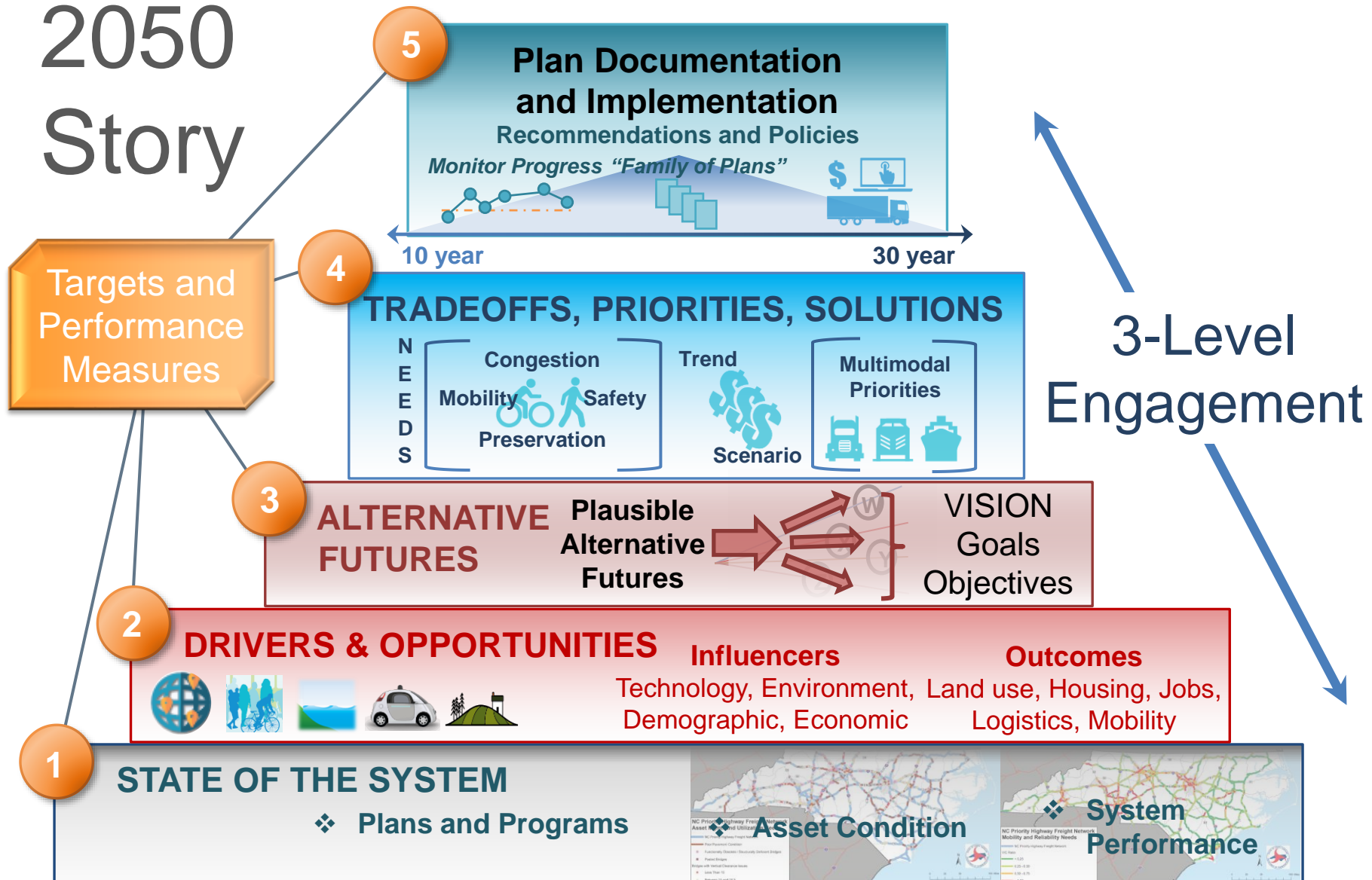
If you own a house, you know what it takes to maintain it and to make improvements so that it retains its value or adds quality to your life. You plan your living arrangements primarily based on the room needed to accommodate your family, and on how much money you have.

The 2040 Plan is much like this. By way of this plan, North Carolina defines what is needed to meet the future demands of all forms of transportation, estimates how much those needs will cost and compares that to how much money the state will have in future years to pay for those needs.

NC2050 Plan

- Enhance multimodal vision
- Establish hierarchy and harmony of plans
- Develop public outreach for variety of audiences
- Performance measures
- Scenario planning
- Consider interim solutions

2050 Story



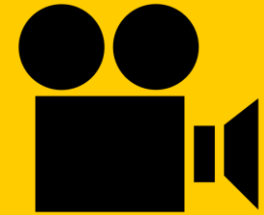
Public Engagement

INFORMATIONAL TOOLS	OUTREACH TOOLS & TECHNIQUES	ENGAGEMENT TOOLS & TECHNIQUES
<ul style="list-style-type: none">• NCDOT Distribution Lists• Multilingual Hotline• Educational Videos• Educational Print/Electronic Materials	<ul style="list-style-type: none">• Traditional Media• PSA/Local Programming• Social Media Advertisements• DMV/Ferry Network• MPO/RPO Partnerships• NCDOT Division Outreach	<ul style="list-style-type: none">• Event Tabling• Social Media• Minority Outreach• Civic Dinners• Web-based Surveys• Intercept Surveys• Crowdscore Map

Hi-Reach, Hi-Tech Engagement

Educational Videos

- Share electronically
- Consistent messaging in a visual and auditory manor



Crowdsource Map

- Submit comments and photos electronically
- Public interaction

Electronic Survey

- Public Input
- MetroQuest



#NC2050Moves

- NCDOT Facebook and Twitter accounts

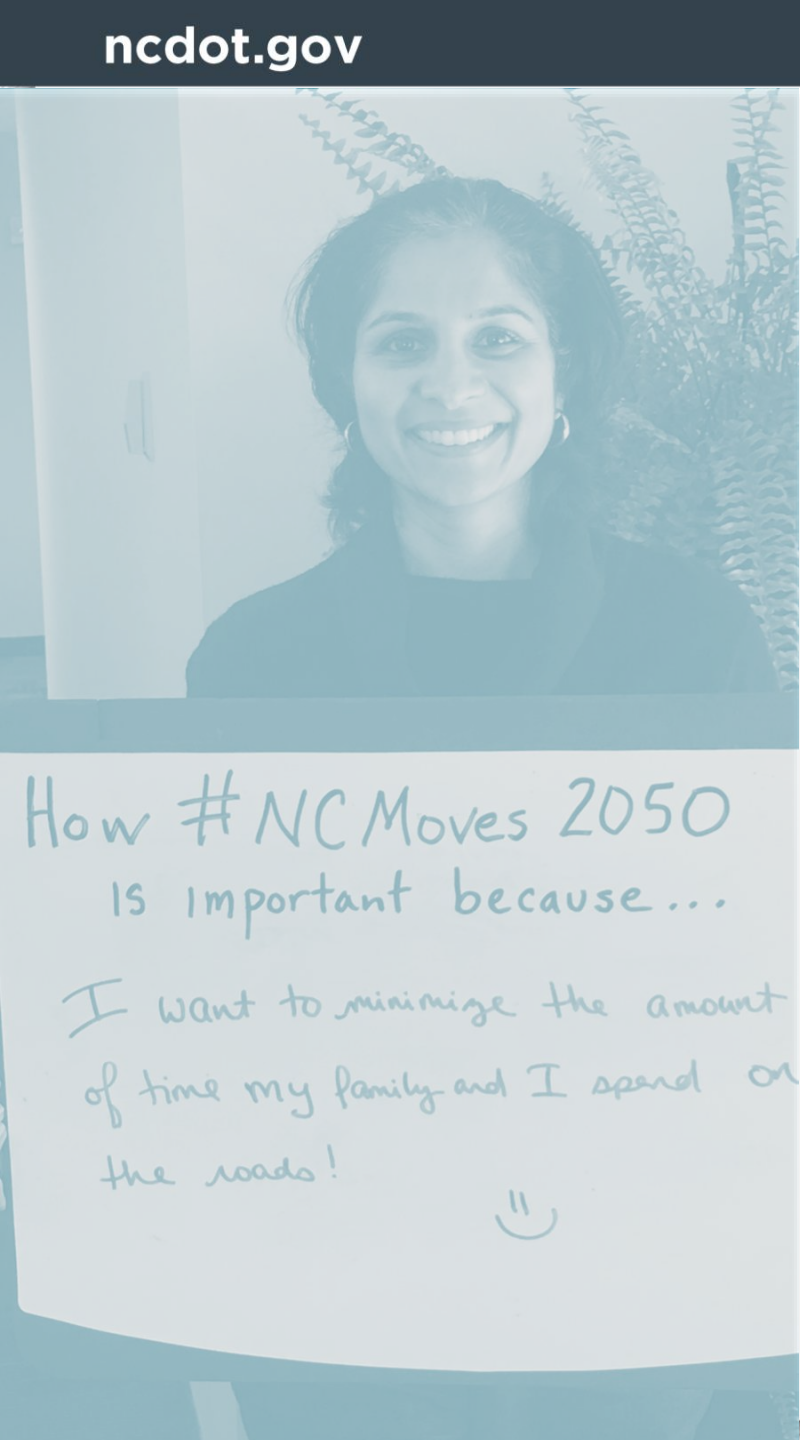
Low-Tech Engagement

Civic Dinners

- **Millennials**

Event Tabling

- **Go to where people are gathering**

A woman with dark hair, smiling, is positioned in front of a whiteboard. The whiteboard contains handwritten text in blue ink. The text reads: "How #NC Moves 2050 is important because..." followed by "I want to minimize the amount of time my family and I spend on the roads!" and a simple smiley face drawing at the bottom.

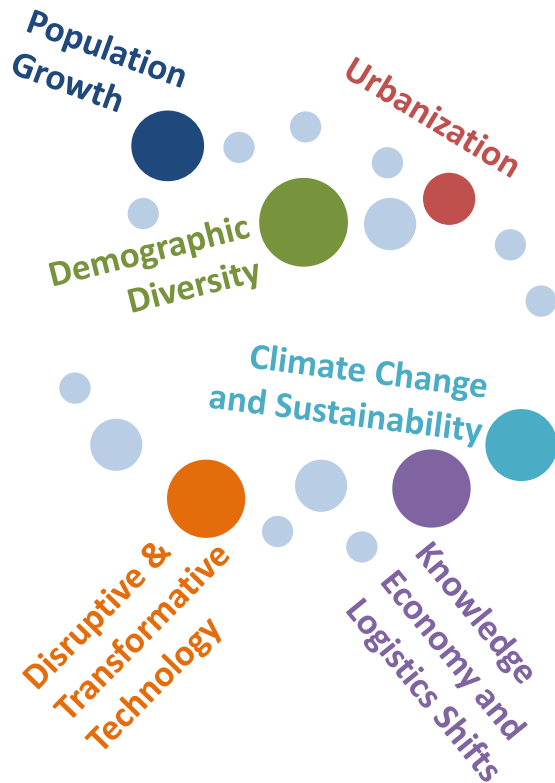
How #NC Moves 2050
is important because...

I want to minimize the amount
of time my family and I spend on
the roads!

☺

2050 Story

Drivers / Disruptors



Alternative Futures



Unique by region based on drivers and regional goals

Scenario Planning Value

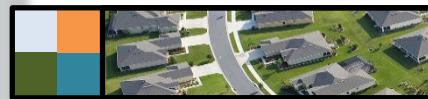
Drivers/Influencers

Futures

Investment Implications



Test outcomes and
assess resiliency of
system and future
investments



Low Risk

Higher Risk

Near-Term Action

Mitigation
strategies that
will be generally
beneficial
however the
future unfolds
(robust)

Deferred Action

Mitigation
strategies with
modest lead time
for less certain
impacts
(adaptive)

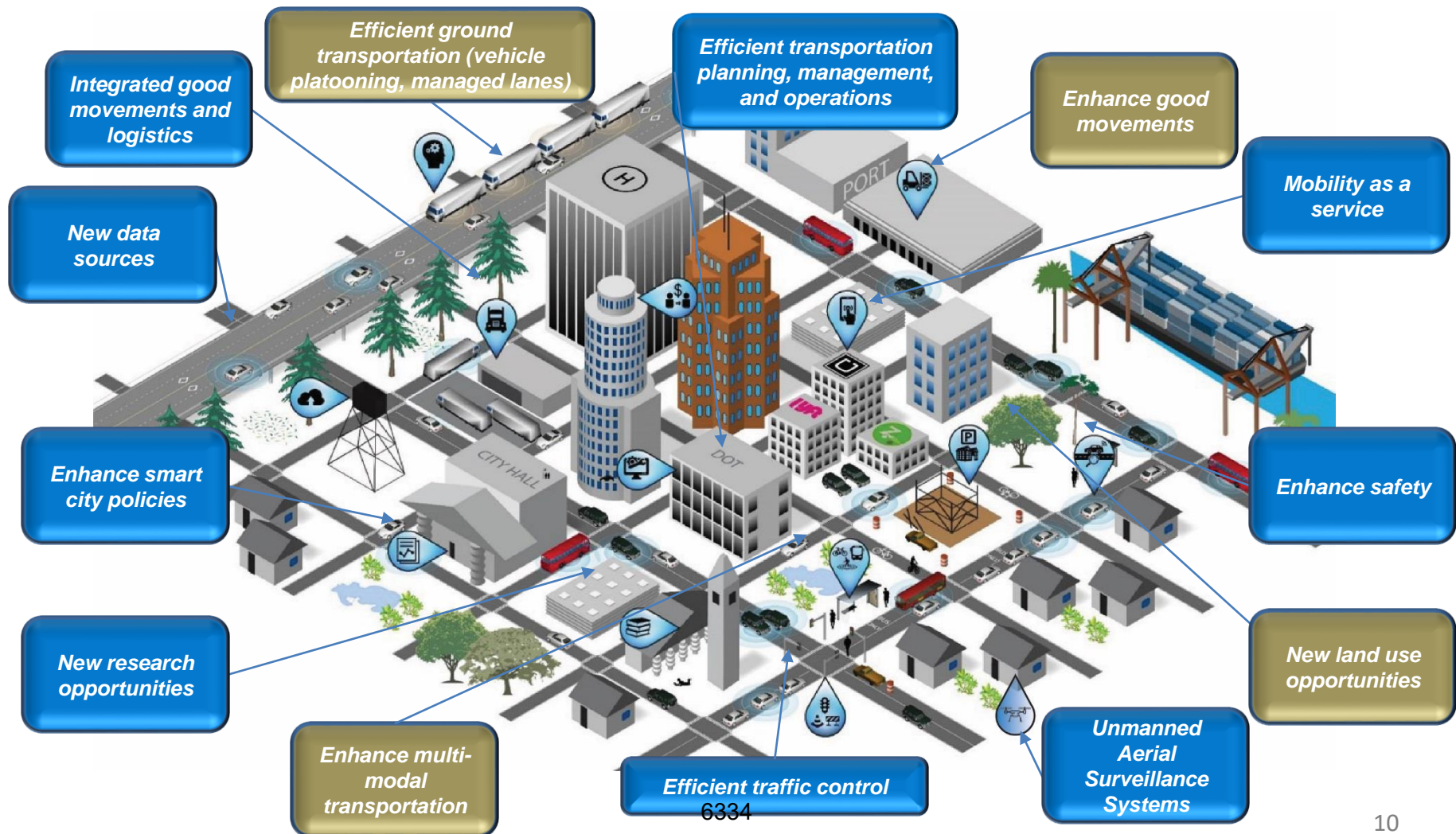
Mitigation strategies with longer lead
time for less certain impacts
(hedging)

Strategies to promote desired
outcomes
(shaping)

Environmental influencers such as climate change are
represented in the background as a global challenge, not
sensitive to alternative NC futures.

Disruptive and Transformative Technology –

Will change how people and goods move and how we plan for, deliver, and maintain our transportation system.



Predictive – *what is likely to happen?*

- **EXAMPLE:** *NC continues to grow with focus in the Piedmont Crescent. With densifying and mixed land uses, value proposition for transit, smart mobility, and non-motorized travel increases, while the roadway system increasingly faces severe congestion and poor reliability.*

Exploratory – *what could happen?*

- **EXAMPLE:** *The technology revolution in transportation transforms auto ownership and operation, translating to a shared, subscription model with widespread autonomous and connected technology where electric vehicles become the norm.*

Normative – *what do we want to happen?*

- **EXAMPLE:** *The economy diversifies with growth and opportunity across the State, enabling a connected, clean, efficient, multimodal system between centers and along key corridors.*

Coastal Drivers (Drivers accentuate existing trends or create ripple effects within a region that will impact transportation futures, needs, and solutions)

Economic Change concentrates freight movement to corridors which support agribusiness and coastal communities

Technology Change increases military movement and mobilization points/locations

Population Change concentrates in coastal, river, and inland waterway areas

Development Change increases access to tourist sites and recreational centers

Other (climate change, etc...)

Piedmont Region (Drivers accentuate existing trends or create ripple effects within a region that will impact transportation futures, needs, and solutions).

Economic Change concentrates freight movement within corridors, leads to expanded distribution centers

Technology Change increases frequency of small deliveries through population and employment centers

Population Change increases millennial and Gen Z talent into start-up incubators in mid-sized cities

Development Change increases multimodal access to jobs and services

Other (sharing economy, climate change, etc...)

Mountain Region (Drivers accentuate existing trends or create ripple effects within a region that will impact transportation futures, needs, and solutions).

Economic Change disperses freight movement, brings new manufacturing and distribution hubs

Technology Change increase drone deliveries to remote areas

Population Change increases "coming home" of former residents

Development Change increases access to tourist sites, health care, retirement communities

Other (climate change, resource economy, etc...)

Initial Steps

1

STATE OF THE SYSTEM

Synthesis of the “family” of statewide and regional visions and plans

2

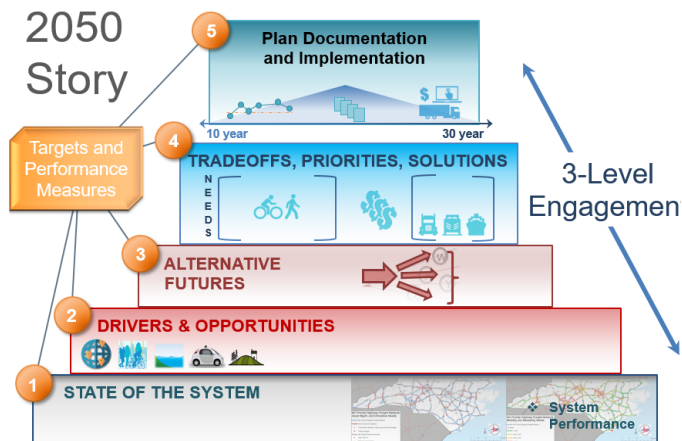
DRIVERS & OPPORTUNITIES

White papers describing key drivers and influences which will shape transportation

3

ALTERNATIVE FUTURES

Vision and futures research
Round 1 Regional Futures Workshops
Vision, Goals, Objectives
Futures Analysis and Outcomes
Round 2 Regional Futures Workshops







North Carolina Department of Transportation
Transportation Program Management Unit - Value Management
Innovative Technologies and Products Awareness Report
May 31, 2018



PRODUCT HIGHLIGHT – Cast Iron ADA Detectable Warning Tiles



ADA warning tiles in place

The Advantage® Cast Iron Premier Tactile Tile System is an ADA compliant detectable warning tile manufactured by Advantage Tactile Systems. It is used to warn the visually impaired of upcoming crossings at various places including curb ramps, pedestrian crosswalks, transit platforms, or parking areas. They are installed just after the concrete has been poured so it can anchor into place once the concrete cures. The tiles are vented to allow displacement of concrete during installation and they are tamped into place with a rubber mallet or vibration mechanism.

These tiles share several features with plastic competitors including easy installation, the ability to be recycled, and availability in many sizes. However, because they are made from cast iron, they also have the ability to withstand abuse of heavy vehicular traffic such as snow plows, forklifts, and other rolling loads. They also require less maintenance. The tiles are manufactured in accordance with ASTM A-48, Class 35B Grey Cast Iron and comply with the “Buy America” policy.

Sizing and pricing can vary, but the cost can be estimated at \$20-\$23 per square foot. The initial cost can be offset by the life-cycle savings compared to other warning tiles. Particularly, in areas where the tiles will be under occasional traffic or where snow plows are used could see the greatest benefit. This product is currently approved and listed on the APL as NP17-7752. For more information, please visit:

<https://www.advantagetactile.com/cast-iron-plates.html>



Premier Tactile Tile System - Profile View

PRODUCT INNOVATION – Carbon Fiber Reinforced Polymer



Steel cable (top) and Carbon Fiber cable (bottom)

NCDOT, in partnership with NC State University, researched Carbon Fiber Reinforcement Polymer (CFRP) technology which is used as a replacement for traditional steel pre-stressing strands in pre-stressed concrete. CFRP consists of polyacrylonitrile based carbon fiber strands with epoxy resin used as a binding material.

Exposed steel reinforcement can cause early deterioration in pre-stressed concrete bridge girders when steel is exposed to corrosive environments such as coastal areas. This corrosion can cause costly repairs or even replacement of bridges after relatively short service lives. CFRP is lightweight, flexible, and provides high tensile strength. More importantly, it is not subject to corrosion and it does not require special concrete mix designs. Using CFRP in place of steel reinforcement is expected to lengthen the life of a bridge in corrosive environments and potentially reduce maintenance costs. This technology has been successfully used in Florida, Michigan, and Virginia in corrosive environments.

To implement this technology, the NCDOT is planning to use CFRP in a bridge replacement project in Harker's Island (B-4853). The CFRP, will be used in piles and girders to provide the pre-stressing tensile reinforcement in the concrete. This project will begin construction in the fall of 2019 and the Department will monitor the performance of the CFRP during the regular bridge inspection cycles.



CFRP Reinforcement Cage