



MEETING AGENDA
Monthly Meeting of the North Carolina Board of Transportation
1 South Wilmington Street Raleigh, North Carolina 27601
February 1-2, 2017

WEDNESDAY, February 1, 2017

12:00PM – 12:15PM

LUNCH IS AVAILABLE / BREAK

Room 150

12:15PM

Working Lunch – Full Board Attendance

Hurricane Matthew Recovery Update	Delbert Roddenberry
P5.0	Sarah Lee
Highway Maintenance Improvement Program (HMIP)	Randy Finger
Product Evaluation Program Awareness	Natalie Roskam
CFO Update	David Tyeryar

1:15PM – 1:30PM

BREAK

1:30PM – 3:00PM

Multi-Modal Committee	EIC
Highway Committee	Room 150

3:15PM – 5:00PM

General Meeting Time	Various Locations
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NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

- Call to Order Chairman Curran
- Invocation Jim Crawford
- Ethics Declaration Chairman Curran
- Approval of January 5, 2017 Board Meeting Minutes Chairman Curran
- Secretary's Remarks Secretary Trogon

INFORMATION AND DELEGATED AUTHORITY

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

Winter Weather Update
Division 4 Update

Mike Holder
Gus Tulloss

ACTION

Chairman Curran

Policy: Federally Funded Projects Selected by Entities other than the North Carolina Department of Transportation

Approval of Projects

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

Committee Reports
Other Business
Adjourn

Chairman Curran

PROJECTS LIST
NORTH CAROLINA BOARD OF TRANSPORTATION
RALEIGH, NORTH CAROLINA
February 1-2, 2017

Delegated Authority Secretary Tennyson

- (Item C) Award of Highway Construction Contracts from December 21, 2016 Letting
- (Item D) Award of Contracts to Private Firms for Engineering Services
- (Item E) Funds for Secondary Road Improvement Projects –
Highway Fund and Highway Trust Fund
- (Item H) Funds for Division-wide Small Construction,
Statewide Contingency, Public Access, and Economic Development
- (Item L) Funds for Specific Spot Safety Improvement Projects **(No Item this month)**

Action Chairman Curran

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

NCDOT Board of Transportation Agenda

ITEM C

January 2017

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

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00001

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C203964

2017CPT.01.11.10581.1, 2017CPT.01.11.10581.2, 2017CPT.01.11.10581.5, 2017CPT.01.11.10581.6, 2017CPT.01.11.10581.7

STATE FUNDED
MARTIN

01/17/2017

PROPOSAL LENGTH 16.6 MILES
TYPE OF WORK MILLING AND RESURFACING
LOCATION 1 SECTION OF US-13 AND 1 SECTION OF US-17.

EST CONST PROGRESS.... FY-2017..39% OF BID
FY-2018..61% OF BID

RPN 002 3 BIDDER(S) MBE GOAL 2.00 % WBE GOAL 2.00%
ESTIMATE 5,202,357.46

DATE AVAILABLE FEB 27 2017

FINAL COMPLETION MAY 11 2018

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	4,612,083.70	-11.3
ROSE BROTHERS PAVING CO INC AHOSKIE, NC	4,774,322.62	-8.2
S T WOOTEN CORPORATION WILSON, NC	4,789,777.32	-7.9

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00001

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C203830
34553.2.2

STP-125(1)
MARTIN
R-3826
01/17/2017

PROPOSAL LENGTH 2.595 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.
LOCATION NC-125 FROM SR-1182 (EAST COLLEGE ROAD) TO NC-125 NORTHWEST OF WILLIAMSTON.

EST CONST PROGRESS.... FY-2017..29% OF BID
FY-2018..62% OF BID
FY-2019..09% OF BID

RPN 003 5 BIDDER(S) DBE GOAL 9.00 %
ESTIMATE 11,320,069.70

DATE AVAILABLE FEB 27 2017
INTER COMPLETION OCT 15 2018 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION APR 13 2019

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	10,574,571.40	-6.6
PLT CONSTRUCTION CO., INC. WILSON, NC	10,840,665.15	-4.2
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	11,023,000.00	-2.6
S T WOOTEN CORPORATION WILSON, NC	11,383,045.22	+0.6
W. C. ENGLISH, INCORPORATED LYNCHBURG, VA	13,147,917.70	+16.1

SUMMARY OF BIDS FOR CONTRACT C203830 WITH THE CONTRACT TIME BEING BID BY EACH BIDDER

DAILY COST = \$2,400.00 / DAY

MAXIMUM NUMBER OF DAYS ALLOWED = 595

	CONTRACT TIME (CALENDAR DAYS)	CONTRACT AWARD BASIS	ACTUAL CONTRACT AMOUNT
ESTIMATED	535	11,320,069.70	10,036,069.70
BARNHILL CONTRACTING COMPANY	459	10,574,571.40	9,472,971.40
PLT CONSTRUCTION CO., INC.	595	10,840,665.15	9,412,665.15
FSC II LLC DBA FRED SMITH COMPANY	520	11,023,000.00	9,775,000.00
S T WOOTEN CORPORATION	565	11,383,045.22	10,027,045.22

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017

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SUMMARY OF BIDS FOR CONTRACT C203830 WITH THE CONTRACT TIME BEING BID BY EACH BIDDER

DAILY COST = \$2,400.00 / DAY

MAXIMUM NUMBER OF DAYS ALLOWED = 595

	CONTRACT TIME (CALENDAR DAYS)	CONTRACT AWARD BASIS	ACTUAL CONTRACT AMOUNT
ESTIMATED	535	11,320,069.70	10,036,069.70
W. C. ENGLISH, INCORPORATED	570	13,147,917.70	11,779,917.70

*ACTUAL CONTRACT AMOUNT = CONTRACT AWARD BASIS - (CONTRACT TIME) (DAILY COSTS)

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00003

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C203963
2017CPT.03.05.10671, 2017CPT.03.05.20671

STATE FUNDED
ONSLOW

01/17/2017

PROPOSAL LENGTH 56.201 MILES
TYPE OF WORK MILLING, RESURF, WIDENING, SHLD RECON, GUARDRAIL, & SIGNALS.
LOCATION 2 SECTIONS OF NC-24, 1 SECTION OF US-258/NC-24, AND 31 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2017..61% OF BID
FY-2018..39% OF BID

RPN 004 2 BIDDER(S) MBE GOAL 4.00 % WBE GOAL 4.00%
ESTIMATE 10,555,143.75

DATE AVAILABLE FEB 27 2017

FINAL COMPLETION NOV 17 2017

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	11,548,224.64	+9.4
ROSE BROTHERS PAVING CO INC AHOSKIE, NC	11,731,317.42	+11.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00003

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C202176
41922.3.4

STP-0053(9)
ONSLOW
R-5023B, R-5023C, SF-4903F
01/17/2017

PROPOSAL LENGTH 2.024 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.
LOCATION NC-53 (BURGAW HIGHWAY) FROM WEST OF SR-1109 (HOLLY SHELTER ROAD) TO EAST OF SR-1116
(ONSLOW PINES ROAD).
EST CONST PROGRESS.... FY-2017..22% OF BID
FY-2018..72% OF BID
FY-2019..06% OF BID

RPN 005 2 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 5,361,226.56

DATE AVAILABLE APR 17 2017
INTER COMPLETION SEP 01 2018 COMPLETE ALL WORK EXCEPT PLANTING/REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION FEB 28 2019

	\$ TOTALS	% DIFF
ONSLOW GRADING & PAVING INC. JACKSONVILLE, NC	5,509,882.94	+2.8
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	6,655,908.28	+24.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00004

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C203968
DF15004.2096128

STATE FUNDED
WAYNE

01/10/2017

PROPOSAL LENGTH 0.08 MILES
TYPE OF WORK EXPRESS DESIGN BUILD.
LOCATION REPLACEMENT OF ONE BRIDGE IN WAYNE COUNTY.

EST CONST PROGRESS.... FY-2017..94% OF BID
FY-2018..06% OF BID

RPN 001 4 BIDDER(S) DBE GOAL 2.00 %
ESTIMATE 954,357.00

DATE AVAILABLE FEB 27 2017

FINAL COMPLETION JUL 17 2017

	\$ TOTALS	% DIFF
UNITED CONTRACTORS, INC. DBA UNITED CONTRACTORS INC. OF IOWA JOI	647,025.00	-32.2
R.E. BURNS & SONS CO., INC. STATESVILLE, NC	885,275.00	-7.2
PALMETTO INFRASTRUCTURE INC GREENVILLE, SC	978,700.00	+2.6
S & C CONSTRUCTION LLC WILMINGTON, NC	1,108,046.25	+16.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00006

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C203969
DF15006.2026041

DF15006.2026041
CUMBERLAND

01/25/2017

PROPOSAL LENGTH 0.094 MILES
TYPE OF WORK EXPRESS DESIGN BUILD.
LOCATION REPLACEMENT OF ONE STRUCTURE IN CUMBERLAND COUNTY.

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

RPN 001 3 BIDDER(S) DBE GOAL 2.00 %
ESTIMATE 1,170,204.00

DATE AVAILABLE FEB 27 2017
FINAL COMPLETION AUG 08 2017

	\$ TOTALS	% DIFF
SANFORD CONTRACTORS INC LEMON SPRINGS, NC	1,041,000.00	-11.0
T. A. LOVING COMPANY GOLDSBORO, NC	1,077,317.00	-7.9
UNITED CONTRACTORS, INC. DBA UNITED CONTRACTORS INC. OF IOWA JOI	1,085,100.00	-7.3

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00010

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C203966

2017CPT.10.16.10041.1, 2017CPT.10.16.10041.2, 2017CPT.10.16.10041.3, 2017CPT.10.16.20041.4, 2017CPT.10.16.20041.5,
2017CPT.10.16.20041.6, 2017CPT.10.16.20041.7, 2017CPT.10.16.20042.10, 2017CPT.10.16.20042.8, 2017CPT.10.16.20042.9

STATE FUNDED
ANSON

01/17/2017

PROPOSAL LENGTH 15.493 MILES
TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION
LOCATION 2 SECTIONS OF US-74, 1 SECTION OF NC-218, AND 6 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2017..26% OF BID
FY-2018..74% OF BID

RPN 006 4 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 3.00%
ESTIMATE 3,326,571.43

DATE AVAILABLE APR 15 2017
INTER COMPLETION SEP 30 2017 COMPLETE ALL WORK REQUIRED OF FULL DEPTH RECLAMATION
FINAL COMPLETION JUN 20 2018

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	3,199,670.65	-3.8
LYNCHES RIVER CONTRACTING, INC. PAGELAND, SC	3,256,539.35	-2.1
J. T. RUSSELL & SONS, INC. ALBEMARLE, NC	3,317,118.48	-0.3
HUDSON PAVING, INC. ROCKINGHAM, NC	3,828,180.87	+15.1

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00010

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C203828
55048.3.1

NHPP-0049(032)
CABARRUS
B-5548
01/17/2017

PROPOSAL LENGTH 0.691 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.
LOCATION BRIDGE #103 OVER DUTCH BUFFALO CREEK ON NC-49.

EST CONST PROGRESS.... FY-2017..35% OF BID
FY-2018..65% OF BID

RPN 007 8 BIDDER(S) DBE GOAL 7.00 %
ESTIMATE 3,262,367.69

DATE AVAILABLE FEB 27 2017
INTER COMPLETION JUL 01 2018 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION DEC 28 2018

	\$ TOTALS	% DIFF
DELLINGER, INC. MONROE, NC	2,931,706.11	-10.1
EASTERN STRUCTURES LLC MOCKSVILLE, NC	2,967,845.28	-9.0
DANE CONSTRUCTION, INC. MOORESVILLE, NC	3,101,147.99	-4.9
TRIANGLE GRADING & PAVING INC BURLINGTON, NC	3,222,200.71	-1.2
LEE CONSTRUCTION COMPANY OF THE CAROLINAS , INC. PINEVILLE, NC	3,291,764.36	+0.9
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION COMPANY	3,330,247.73	+2.1
BLYTHE CONSTRUCTION, INC. CHARLOTTE, NC	3,465,377.42	+6.2
GRANITE CONTRACTING LLC CORNELIUS, NC	3,896,560.26	+19.4

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
JANUARY, 2017
DIVISION 00014

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C203825
39999.3.3

STP-0107(10)
JACKSON
R-4753
01/17/2017

PROPOSAL LENGTH 3.769 MILES
TYPE OF WORK GRADING, DRAINAGE, PAVING, RETAINING WALLS, AND CULVERTS.
LOCATION NC-107 FROM NORTH OF SR-1002 TO NC-281.

EST CONST PROGRESS.... FY-2017..19% OF BID
FY-2018..47% OF BID
FY-2019..30% OF BID
FY-2020..04% OF BID

RPN 001 2 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 32,987,877.54

DATE AVAILABLE FEB 27 2017
INTER COMPLETION SEP 15 2019 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION MAR 13 2020

	\$ TOTALS	% DIFF
YOUNG & MCQUEEN GRADING CO INC BURNSVILLE, NC	34,867,171.45	+5.7
GLF CONSTRUCTION CORPORATION MIAMI, FL	42,863,555.74	+29.9

ESTIMATE TOTAL	72,856,175.13	
LETTING TOTAL	73,829,735.89	+1.3

**NCDOT February 2017
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

Field Support

Right of Way

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

DIVISION 6

Project:	34817.2.FR14 (U-2519BA) Cumberland County Fayetteville Outer Loop from South of SR 1003 (Camden Road) to South of SR 1104 (Strickland Bridge Road) in Fayetteville, NC
Scope of Work:	Right of Way acquisition, negotiations, legal and relocation assistance
Estimated Construction Cost:	\$62,300,000.00
Firm:	Right of Way Consultants, LLC, Winston-Salem, NC
Maximum Engineering Fee:	\$815,770.00
SPSF Utilization:	0%

Division of Planning & Programming

Feasibility Studies

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Feasibility Studies on an as needed basis for various federal-aid and state funded projects to support the Feasibility Studies Unit. These contracts will expire three (3) years (with one (1) annual extension possible) after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Firm:	Accelerate Engineering, PLLC, Cary, NC
Maximum Engineering Fee:	\$1,000,000.00
Description of Work:	2017 Feasibility Study LSC
DBE/MBE/SPSF Utilization:	100%

Firm: AECOM Technical Services of North Carolina, Inc.,
Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: Atkins North America, Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: CALYX Engineers and Consultants, Cary, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
DBE/WBE/SPSF Utilization: 100%

Firm: CDM Smith, Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: Davenport, Winston-Salem, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
DBE/MBE/SPSF Utilization: 100%

Firm: HDR Engineering, Inc. of the Carolinas, Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: HNTB North Carolina, PC, Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: ICA Engineering, Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: Johnson, Mirmiran & Thompson, Inc., Sparks, MD
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$1,000,000.00
SPSF Utilization: 0%

Firm: KCI Associates of North Carolina, PA, Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: Kimley-Horn and Associates, Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: H. W. Lochner, Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: The Louis Berger Group, Inc., Morristown, NJ
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: Michael Baker Engineering, Inc., Cary, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: Mott MacDonald I&E, LLC, Iselin, NJ
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: Patriot Transportation Engineering, PLLC, Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$1,000,000.00
SPSF Utilization: 100%

Firm: Rummel Klepper & Kahl, LLP, Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: RS&H Architects-Engineers-Planners, Inc.,
Charlotte, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: SEPI Engineering & Construction, Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: Stantec Consulting Services Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: STV Engineers, Inc., Charlotte, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Firm: TGS Engineers, Shelby, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$1,000,000.00
SPSF Utilization: 100%

Firm: Vaughn & Melton Consulting Engineers,
Asheville, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$2,000,000.00

Firm: VHB Engineering NC, P.C., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Firm: Parsons Brinckerhoff, Inc., Raleigh, NC
Description of Work: 2017 Feasibility Study LSC
Maximum Engineering Fee: \$3,000,000.00
SPSF Utilization: 0%

Strategic Prioritization Office

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ a private firm to provide travel demand modeling services to review, update, and run the North Carolina Statewide Travel Demand Model and project evaluations for Prioritization 5 listed below for our Department to obligate available funds. Our staff was authorized to proceed with the actions required to employ private engineering firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

Project: Provide travel demand modeling services to review, update, and run the North Carolina Statewide Travel Demand Model
Scope of Work: Modeling and Project Evaluations for Prioritization 5
Estimated Construction Cost: Planning Item Only
Firm: CDM Smith, Raleigh, NC
Maximum Engineering Fee: \$2,000,000.00
SPSF Utilization: 0%

Deputy Chief Engineer

Construction Unit

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

DIVISION 6

Project:	34817.3.13 (U-2519CA) Cumberland County 55016.3.1 (B-5516) Cumberland County Fayetteville Outer Loop from South of US 401 to South of SR 1400 (Cliffdale Road); Replace Bridge 14 Over Lake Rim Runoff on SR 3569 (Raeford Road)
Scope of Work:	Construction Engineering and Inspection Services
Estimated Construction Cost:	\$81,900,000.00 (both projects)
Firm:	RS&H Architects-Engineers-Planners, Inc., Charlotte, NC
Maximum Engineering Fee:	\$19,500,000.00
SPSF Utilization:	Summit Design and Engineering Services, PLLC \$5,850,000.00 30%

NCDOT February 2017 Board of Transportation Agenda

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

Secondary Road Improvement Projects (Highway and Trust Funds)

County	SR No./ Road Name	Description	Amount
Bertie Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.008021	\$120,357.52
Camden Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.015010	\$ 25,794.81
Chowan Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.021008	\$ 82,798.55
Currituck Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.027016	\$143,082.93
Dare Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.028010	\$ 151,022.55
Gates Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.037015	\$155,448.00
Hertford Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.046013	\$23,702.14

NCDOT February 2017 Board of Transportation Agenda

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

Secondary Road Improvement Projects (Highway and Trust Funds)

County	SR No./ Road Name	Description	Amount
Hyde Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.048013	\$141,069.60
Martin Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.058012	\$156,741.05
Northampton Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.066016	\$280,177.04
Pasquotank Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.070016	\$258,439.36
Perquimans Div. 1	Various	Spot Improvements, Spot Stabilization, Paved Road Improvements, Replacement of Small Bridges, Safety Projects, Etc. Increase Funds. WBS 1C.072015	\$197,701.34

Deletions

County	SR No.	Reason	Amount
Caswell Div. 7	SR 1329 Wilson Road	GDB&P. Unavailable Right of Way. WBS 7C.017100	-\$200,801.20
Caswell Div. 7	SR 1544 Norman Baker Road	GDB&P. Unavailable Right of Way. WBS 7C.017101	-\$18,039.23

February 2017 Item E Summary:

12	Projects to Increase Funds	Amount:	\$1,736,334.89
0	Projects to Establish Funds	Amount:	\$0.00
0	Projects to Increase and Close	Amount:	\$0.00
2	Projects to Delete	Amount:	-\$218,840.43

NCDOT February 2017 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 4				
Johnston	51268		Greystone Crossing Subdivision	9/26/16
		0.66	Everland Parkway	
		0.05	Marcom Court	
		0.07	Keystone Court	
		0.04	Elkhorn Court	
		0.25	Burrage Drive	
		0.40	Timberland Drive	
		0.05	Landlocked Circle	
		0.28	Tramway Circle	
		0.03	Vienna Court	
		0.07	Archie Court	
Johnston	51269		Millennium Pointe Subdivision	2/3/16
		0.09	Ralph Drive	
		0.10	N. Fred Circle	
		0.04	Berneze Court	
Nash	51270		Bone's Acres Subdivision	12/14/16
		0.26	Bone's Acres Court	
		0.60	Bone's Acres Road	
Wilson	51271		Victoria Ridge Subdivision	12/14/16
		0.24	Brittney Lane	
Division 5				
Durham	51272		Montvale Subdivision	11/23/16
		0.07	Bancroft Drive	
		0.04	Fairbanks Circle	
Franklin	51273		Northridge Estates Subdivision	12/14/16
		0.17	Northridge Drive	
Franklin	51274		Ashton Meadows Subdivision	12/6/16
		0.16	Hildebrant Drive	
		0.21	Cranbrooke Drive	
		0.03	Midlavian Court	
		0.20	Canterberry Drive	
		0.04	Manchester Court	
Granville	51275		Olde Brassfield Subdivision	11/21/16
		0.47	Troy's Trail	
		0.35	Olde Brassfield Lane	
		0.35	Jordan Circle	
		0.36	Creekside Drive	
		0.22	Brooks Bend	
		0.13	Wheeler Lane	

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NCDOT February 2017 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 5				
Granville	51275	0.06	Olde Brassfield Subdivision Coughlin Court	11/21/16
Granville	51276	0.40 0.42 0.15 0.38 0.15 0.59 0.19	Hawthorne Subdivision Hawthorne Place Krogen Court Albin Place East Bay Court Juliette Court Willard Drive Vesterby Drive	11/21/16
Person	51277	0.31 0.17 0.20 0.13	Flat River Ridge Subdivision River bend Drive River View Court Rivers Edge Court Flat River Circle	11/23/16
Wake	51278	0.10 0.15 0.26	Meadows at Dukes Lake Subdivision Red Buckeye Court Yellow Buckeye Court Harper School Road	10/27/16
Wake	51279	0.41 0.19 0.12 0.27 0.26 0.05 0.10 0.17 0.17 0.15 0.12 0.35	High Grove Subdivision Eden Grove Road Downton Grove Court Heathrowe Grove Court Shirland Road Petticoat Lane Huntly Grove Court Highbury Grove Lane Doughtymews Lane Pontellier Court Boylston Drive Lebrun Path Darcy Woods Lane	11/7/16
Wake	51280	0.03	Greycliff Subdivision Brianside Court	12/6/16
Wake	51281	0.18	Ethan's Glen Subdivision Upper Creek Way	12/2/16

February 2, 2017

NCDOT February 2017 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 6				
Harnett	51282		Highgrove at Anderson Creek Subdivision	12/13/16
		0.09	Sedgefield Lane	
		0.25	Heathrow Drive, SR 2510 Ext.	
		0.43	Highgrove Drive, SR 2508 Ext.	
		0.05	Lancaster Court	
		0.24	Salisbury Lane	
		0.06	Rushmore Lane	
Division 7				
Guilford	51283		Brandon Station Subdivision	11/12/13
		0.13	Wilson Mills Court	
Guilford	51284		Jessup Ridge Subdivision	11/1/16
		0.15	J. Carroll Jessup Parkway, SR 4968 Ext.	
Guilford	51285		Pearson Farm Subdivision	8/11/16
		0.11	Reese Pond Court	
Guilford	51286		The Winds at Cedar Hollow Lake Subdivision	11/13/15
		0.19	Poplar Ridge Court	
		0.44	Cedar Hollow Road, SR 2327 Ext.	
Division 9				
Davie	51287		Essex Farm Subdivision	1/3/16
		0.08	Wyatt Drive	
Davie	51288		The Oaks at McAllister Park Subdivision	1/3/17
		0.19	Matthias Court	
Division 10				
Union	51289	0.40	Union West Boulevard	12/5/16
Division 12				
Iredell	51290		Bells Crossing Subdivision	5/18/15
		0.04	Saint Sophia Court	
		0.39	Belfry Loop	
		0.23	Leaning Tower Drive	
		0.23	North San Agustin Drive	
Lincoln	51291		Amity Creek Subdivision	11/2/16
		0.70	Countryside Lane	

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NCDOT February 2017 Board of Transportation Agenda

Deletions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 7				
Guilford	51292	0.07	Portion of SR 3282 Short Farm Road	11/1/16

Corrections:

Division 11 – Alleghany County – Petition 51263, Joe Place West should have been added for 0.12 miles.

NCDOT February 2017 Board of Transportation Agenda

Summary: **Number of Roads Petitioned for Addition – 78**
 Number of Roads Petitioned for Abandonment – 1

NCDOT FEBRUARY 2017 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development

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

County	Description	Type	Amount
Div 1 Division-wide	Install Blue Star Memorial Highway signage along US-64, US-158, and US-17 at various locations throughout the Division WBS 50248	Small Construction TOTAL	\$10,000.00 \$10,000.00
Div 6 Cumberland	Town of Falcon – PE for initial surveys to establish existing right of way for sidewalk construction along N West St from the Falcon Children's Home to the Town Park WBS 46937	Small Construction TOTAL	\$10,000.00 \$10,000.00
Div 10 Mecklenburg	City of Charlotte – WBS 43957 was established (11/13) for roadway improvements on SR 2004 (Mount Holly-Huntersville Rd) and its intersections with NC-16 (Brookshire Blvd) and Couloak Dr Increase funds	Small Construction TOTAL	\$215,205.10 \$215,205.10
Div 12 Catawba	City of Newton – Local Match for streetscape project (EB-5825) for the construction of West A street bike and pedestrian improvements WBS 45970.3.1	Contingency TOTAL	\$250,000.00 \$250,000.00
Div 13 Buncombe	Construct a left turn lane on NC-191 to serve NC-146 (Long Shoals Rd) Other funding: \$500,000 (Spot Mobility); \$85,8575 (Resurfacing); \$100,000 (FY 2018 Small Construction) WBS 46924	Small Construction TOTAL	\$250,000.00 \$250,000.00
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	\$400,000.00 \$400,000.00

NCDOT FEBRUARY 2017 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development

Deletions:

Div 13, Buncombe County – WBS 40924.3.60 was established (06/15) to install concrete sidewalk, curb & gutter, curb ramps, and driveway turnouts on SR 2435 (Old US-70) from Charles D Owen Middle School to SR 2459 (Marion Ave); ROW unavailable

Summary:	Number of Projects	6
	Number of Divisions	6
	Small Construction Commitment	\$485,205.10
	Public Access Commitment	\$400,000.00
	Contingency Commitment	\$250,000.00
	Economic Development	\$0.00
	TOTAL	\$1,135,205.10

Highway Division #	5317 - New Freedom Capital FY16	Estimated Project Cost
		\$46,000 Total
14	16-NF-021 Eastern Band Cherokee Indian (EBCI) The capital replacement van will be providing the Snowbird community with a much needed accessible vehicle to better meet their needs and the increased ridership.	\$36,800 Federal
		\$4,600 State
		\$4,600 Local

NCDOT Board of Transportation Agenda
Public Transportation Program
STIP Approval

ITEM I – 1A
1 of 1

These items are for informational purposes only and subject to future NC Board of Transportation approval. It is anticipated that these items will be considered for NC Board of Transportation approval in 30 days.

ADDITIONS to the Transit 2016-2025 STIP

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)
TG-6180	Winston Salem Transit	Routine Capital Projects	FUZ	5307		520	520				
			Local	L		130	130				
TA-5220B	Piedmont Authority for Regional Transportation	Expansion Vehicles	5307	CMAQ		420					
			Local	L		105					
TG-6181	Apple Country Transit	Transit Routine Capital	FUZ				234	243	252		
			Local				336	357	375		
			SMAP				160	160	160		
TA-5229	Apple Country Transit	Replacement Transit Vehicle Acquisition	FUZ	5307			48	48	48		
			Local	L			12	12	12		
TG-6182A	City of Asheville (ART)	ADA Paratransit	FUZ	5307		260	260	260			
			Local	L		65	65	65			
TG-6183B	City of Asheville (ART)	Transit Preventative Maintenance	FUZ	5307		800	800	800			
			Local	L		200	200	200			
TD-5282	City of Asheville (ART)	Transit Station Renovation	FBUS	5339		484					
			Local	L		517					
TQ-7010	City of Asheville (ART)	5310 Administrative Oversight	FEPD				33	33			
TQ-6186	City of Asheville (ART)	5310 Traditional Projects	FEPD				179	179			
			Local				45	45			
TQ-6187	City of Asheville (ART)	5310 Other Projects	FEPD				114	114			
			Local				114	114			

MODIFICATIONS to the Transit 2016-2025 STIP

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)
TG-5241	Winston Salem Transit	Preventive Maintenance	FUZ	5307	2100	2482	2100				
			Local	L	525	620	525				
TO-5126	Winston Salem Transit	Operating Assistance	FUZ	5307	1134	1079	906	906	906	906	906
			Local	L	1134	1079	906	906	906	906	906
			SMAP	S	1134		906	906	906	906	906
TO-4705	City of Asheville (ART)	Operating Assistance	FUZ	5307		600	600	600			
			Local	L		600	600	600			
TG-4704	City of Asheville (ART)	Transit Routine Capital	FUZ	5307		50	50	50			
			Local	L		13	13	13			

Item I-1A, 14 Projects, Total Federal/State funds \$28,168,000

February 2, 2017

**NCDOT February 2017 Board of Transportation Agenda
Rail Program**

Town/County Division	Project Description	Estimated Cost
Division 3 New Hanover County	The Rail Division requests Board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the Wilmington Terminal Railroad (WTRY) to construct a freight diversion project. The project includes upgrades to an existing track and construction of new storage tracks for the Queen City Express intermodal service between Wilmington and Charlotte. The total cost of the project is \$1,487,025. The estimated cost to the Department is \$760,000. FRRCSI ID: F17104	\$760,000
Division 8 Montgomery County	The Rail Division requests Board reallocation of a portion of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds from GSMR Swain County Turntable (due to Rail Industrial Access Program requirements) to Troy Lumber for the construction of a 400' industry track near milepost 323.00 in Troy. The new track is needed to accommodate railroad shipments of lumber from the facility. Troy Lumber will be responsible for the construction of the track. The cost of the project is \$116,373. The estimated cost to the Department is \$45,000. FRRCSI ID: F14354	\$45,000
Division 14 Swain County	The Rail Division requests Board reallocation of a portion of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds from crossing number 720 219G (SR 1311 – Buckner Branch Road) to crossing number 720 176X (SR 1307 – Sam Davis Road) per request of the Railroad. Great Smoky Mountains Railroad (GSMR) requested the proposed change to improve an at-grade railroad crossing by installing a rail seal surface to replace the existing surface. GSMR will provide the necessary labor to install the materials. The Division will provide asphalt and traffic control. The total estimated cost to the Department is \$23,000. FRRCSI ID: F14283	\$23,000

ITEM I-2 SUMMARY – 3 PROJECTS – (TOTAL FEDERAL AND STATE) \$828,000

NCDOT February 2017 Board of Transportation Agenda

Bike & Pedestrian Program

**Town/County
Division**

Project Description

**Estimated
Cost**

There will be no items presented for approval at the February 2, 2017 Board of Transportation meeting.

ITEM I-3 SUMMARY – NO PROJECTS

NCDOT February 2017 Board of Transportation Agenda

Aviation Division

**Town/County
Division**

Project Description

**Estimated
Cost**

There will be no items presented for approval at the February 2, 2017 Board of Transportation meeting.

ITEM I-4 SUMMARY – NO PROJECTS

**NCDOT February 2017 Board of Transportation Agenda
Approval of Specific State Funds for Construction Projects
(For projects previously identified as Specific State Funds for Construction projects
Now being funded under Strategic Transportation Investments)**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Statewide M-0451 STATEWIDE	WBS 43534.1.1 Statewide Landscape Plans for STIP Construction projects. \$512,000.00 has previously been approved for preliminary engineering. \$100,000.00 is requested for annual funding for SFY 2017.	\$100,000.00
ITEM J SUMMARY	1 PROJECT	\$100,000.00

**NCDOT February 2017 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Beaufort Co. Div. 2 U-5860 DIVISION	WBS 46386.1.1 SR 1306 (15th Street), from US 17 Business (Carolina Avenue) to Brown Street. \$600,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$130,000.00
Onslow Co. Div. 3 U-5728 REGIONAL	WBS 54019.1.1 US 17 Business (Marine Boulevard) at SR 1308 (Bell Fork Road) in Jacksonville. \$116,711.00 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
Onslow Co. Div. 3 U-5789 DIVISION/ REGIONAL	WBS 44361.1.1 NC 53 (Western Boulevard) at SR 2714 (Jacksonville Parkway). \$137,864.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget using Regional Tier funding.	\$170,000.00
Durham Co. Div. 5 P-5706 REGIONAL	WBS 46918.1.1 Norfolk Southern Railroad H Line, East Durham siding. Construct extension, to include combination grade separations and closures at Ellis Road South End crossing (734737A), Glover Road crossing (734735L) and Wrenn Road crossing (734736T). Initial funds are requested for preliminary engineering.	\$4,928,000.00
Wake Co. Div. 5 P-5602J DIVISION	WBS 46393.1.10 Trinity Road traffic study in Cary. Initial funds are requested for preliminary engineering.	\$20,000.00

**NCDOT February 2017 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wake Co. Div. 5 P-5708 REGIONAL	WBS 46919.1.1 Norfolk Southern Railroad H Line. Construct grade separation at Harrison Avenue Crossing (734755X) in Cary. Initial funds are requested for preliminary engineering.	\$2,251,200.00
Wake Co. Div. 5 P-5718 REGIONAL	WBS 46930.1.1 CSX crossing 643351A at SR 1415 (Northeast Maynard Road) in Cary. Construct grade separation. Initial funds are requested for preliminary engineering.	\$3,681,000.00
Cumberland Co. Div. 6 U-5742 REGIONAL	WBS 50164.3.1 Fayetteville computerized traffic signal system. Initial funds are requested for construction.	\$4,350,000.00
Alamance/ Cabarrus/ Davidson/ Durham/ Guilford/ Mecklenburg/ Orange/ Randolph/ Rowan/Wake Cos. Divs. 5,7,8,9,10 P-5719 REGIONAL	WBS 46931.1.1 North Carolina Railroad (NCRR), Piedmont Service Expansion. Purchase 5 bi-Level passenger cars. Initial funds are requested for preliminary engineering.	\$1,800,000.00
Guilford Co. Div. 7 P-5709 REGIONAL	WBS 46920.1.1 Norfolk Southern Railroad H. Line. Construct grade separation at Franklin Boulevard crossing 722959A in Greensboro and close O'Ferrell Street crossing 722961B. Initial funds are	\$1,200,000.00

February 2, 2017

requested for preliminary engineering.

K-3

**NCDOT February 2017 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Guilford Co. Div. 7 P-5714 REGIONAL	WBS 46926.1.1 North Carolina Railroad (NCRR) Norfolk Southern, Pomona Yard. Extend auxiliary track and add power turnouts. Initial funds are requested for preliminary engineering.	\$300,000.00
Guilford Co. Div. 7 P-5721 REGIONAL	WBS 46933.1.1 Norfolk Southern Railroad, Jamestown siding in Jamestown. Construct extension. Initial funds are requested for preliminary engineering.	\$407,000.00
Davidson Co. Div. 9 P-5722 REGIONAL	WBS 46934.1.1 Norfolk Southern Railroad, Kimberly Clark lead track in Lexington. Initial funds are requested for preliminary engineering.	\$203,759.00
Rowan Co. Div. 9 P-5602L REGIONAL	WBS 46393.1.12 Salisbury - waiting and station renovation study. Initial funds are requested for preliminary engineering.	\$150,000.00
Rowan Co. Div. 9 P-5723 REGIONAL	WBS 46935.1.1 Norfolk Southern Railroad, vicinity of 22ND Street in Kannapolis. Construct grade separation and close crossings 724399C and 724398V. Initial funds are requested for preliminary engineering.	\$1,169,500.00

**NCDOT February 2017 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Mecklenburg Co. Div. 10 P-5602N STATEWIDE	WBS 46393.1.14 Charlotte - Queen City Express Terminal study and functional design. Initial funds are requested for preliminary engineering.	\$150,000.00
Mecklenburg Co. Div. 10 P-5705A DIVISION	WBS 44475.1.1 Charlotte Gateway Station - Wye Connection Track at Charlotte Junction. \$600,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$913,625.00
Mecklenburg Co. Div. 10 P-5705B DIVISION	WBS 44475.1.2 Charlotte Gateway Station. \$400,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$2,700,000.00
Union Co. Div. 10 P-5602K STATEWIDE	WBS 46393.1.11 Waxhaw grade separation on CSX SG line from NC 16 to NC 75 on west side of Waxhaw with Helms Street and Rehobeth Road study. Initial funds are requested for preliminary engineering.	\$150,000.00
Union Co. Div. 10 P-5602O STATEWIDE	WBS 46393.1.15 Monroe Bypass / Wye study. Initial funds are requested for preliminary engineering.	\$100,000.00

**NCDOT February 2017 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Watauga Co. Div. 11 U-5603 REGIONAL	WBS 45831.1.2 NC 105 from US 321 (Blowing Rock Road) to NC 105 Bypass. \$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.	\$220,000.00
Wilkes Co. Div. 11 R-5755 REGIONAL	WBS 46418.3.1 Construct roundabout at intersection of US 421/SR 1001 (Oakwoods Road) /SR 2461 (Edgewood Road). Initial funds are requested for construction.	\$750,000.00
Cherokee Co. Div. 14 R-5735 DIVISION	WBS 50193.1.1 US 19 / US 74 / US 64 / US 129 from the end of 4-lane divided section to SR 1556 (Martins Creek Road). \$478,393.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget.	\$150,000.00
Clay Co. Div. 14 R-5742 DIVISION	WBS 46325.1.D1 NC 175 from Georgia State Line to US 64, upgrade roadway. \$408,893.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$140,000.00
Statewide M-0360 STATEWIDE/ REGIONAL/ DIVISION	WBS 36824.1.2 Design Services, statewide, preliminary engineering for miscellaneous projects. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are requested to hire a consultant using 30% Statewide (\$300,000.00) / 30% Regional (\$300,000.00) / 40% Division (\$400,000.00) Tier funding.	\$1,000,000.00

**NCDOT February 2017 Board of Transportation Agenda
Approval of State Highway Trust Funds - Strategic Transportation Investments**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Statewide P-5602M STATEWIDE	WBS 46393.1.13 CSX A-Line double track study. Initial funds are requested for preliminary engineering.	\$250,000.00
Statewide P-5602P STATEWIDE	WBS 46393.1.16 Rail fleet replacement strategy study. Initial funds are requested for preliminary engineering.	\$100,000.00
Statewide P-5602I STATEWIDE	WBS 46393.1.9 Wilmington track study to reactivate Wallace to Castle Hayne abandoned rail line. \$350,000.00 has previously been approved for preliminary engineering. Funds are requested for additional preliminary engineering.	\$80,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	6 PROJECTS	\$830,000.00
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	14 PROJECTS	\$21,545,459.00
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	6 PROJECTS	\$4,053,625.00
STATEWIDE/REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$1,000,000.00
REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$170,000.00
STRATEGIC TRANSPORTATION INVESTMENTS	28 PROJECTS	\$27,599,084.00

**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects**

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

THERE ARE NO SPECIFIC SPOT SAFETY PROJECTS FOR THIS MONTH'S AGENDA

**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-1

Division 2

National Highway

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Craven Co. R-1015 REGIONAL/ DIVISION	34360.2.4, NHF-0070(049) US 70 - Havelock Bypass from north of Pine Grove to north of the Carteret County Line. Funds are needed for full right of way.	\$11,425,000.00 \$9,140,000.00 \$2,285,000.00	Cost Fed. State
Craven Co. R-1015 REGIONAL/ DIVISION	34360.2.5, NHF-0070(049) US 70 - Havelock Bypass from north of Pine Grove to north of the Carteret County Line. Funds are needed for utilities.	\$4,000,000.00 \$3,200,000.00 \$800,000.00	Cost Fed. State

Bridge

Greene Co. B-4530 DIVISION	38403.2.1, BRZ-1222(015) Replace Bridge #13 over Beaman Run on SR 1222. Funds are needed for full right of way.	\$90,000.00 \$72,000.00 \$18,000.00	Cost Fed. State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-2

Division 3

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Leland/ Brunswick Co. U-5534P DIVISION	44096.1.17, STPDA-0332(060) Multi-use path at Westgate Drive South, over Jacky's Creek into Ricegate Drive in Brunswick Forest in Leland. \$120,214.00 has previously been approved for preliminary engineering. Reduce funds as town is not ready to proceed. WBS 44096.1.17 will be closed.	-\$120,214.00 Cost -\$96,172.00 Fed. -\$24,042.00 Local
Wilmington/ New Hanover Co. U-3338C REGIONAL	34932.1.4, STP-1175(011) SR 1175 (Kerr Avenue) Interchange at US 74 (Martin Luther King Jr. Parkway). \$300,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on design changes and increased estimates.	\$200,000.00 Cost \$160,000.00 Fed. \$40,000.00 State
Jacksonville/ Onslow Co. U-4906 DIVISION	40255.1.1, STP-1308(012) SR 1308 (Gum Branch Road) East of City Limits of Richlands to SR 1322 (Summersill School Road) in Jacksonville. \$639,708.00 has previously been approved for preliminary engineering. Additional funds are needed based on design changes and increased estimates. This is a Strategic Transportation Investments Transition project.	\$1,000,000.00 Cost \$800,000.00 Fed. \$200,000.00 State

Rural

Southport/ Brunswick Co. R-5021 DIVISION	41582.1.1, STP-0211(021) NC 211 from SR 1500 (Midway Road) to NC 87. \$3,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed based on design changes and increased estimates.	\$5,000,000.00 Cost \$4,000,000.00 Fed. \$1,000,000.00 State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-3

Division 3 (Continued)

Bicycle and Pedestrian

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
New Hanover Co. SR-5001CL DIVISION	40924.3.88, SRS-0332(057) Wilmington Crossing improvements to serve Gregory Elementary and Williston Middle School, Safe Routes to School Program. Funds are needed for construction to improve safe routes to school.	\$390,000.00 \$390,000.00	Cost Fed.

**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-4

Division 4

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Johnston Co. I-5972 REGIONAL	44989.1.1, NHP-0095(045) I-95 at US 70 Business. Funds are needed for preliminary engineering.	\$1,400,000.00 \$1,120,000.00 \$280,000.00	Cost Fed. State
Johnston Co. I-5974 REGIONAL	44993.1.1, NHP-0095(046) I-95 at US 701 and NC 96. Funds are needed for preliminary engineering.	\$2,000,000.00 \$1,600,000.00 \$400,000.00	Cost Fed. State

Urban

Wayne Co. U-5958 REGIONAL	45871.1.1, NHP-0070(206) US 70 at SR 1719 (Beston Road). Funds are needed for preliminary engineering.	\$160,000.00 \$128,000.00 \$32,000.00	Cost Fed. State
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Safety

Johnston Co. W-5704C DIVISION	44850.1.3, HSIP-1551(005) SR 1551 (Guy Road) at SR 1552 (Amelia Church Road). Funds are needed for preliminary engineering.	\$4,000.00 \$3,600.00 \$400.00	Cost Fed. State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-5

Division 5

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Stovall/ Granville Co. C-5570 EXEMPT	50107.3.1, CMS-0524(001) Construct sidewalks at Stovall Town Center. Construction funds are needed for sidewalks.	\$85,000.00 \$68,000.00 \$17,000.00	Cost Fed. Local
Cary/ Wake Co. C-5604IB EXEMPT	43714.1.5, CMAQ-0503(033) White Oak Creek Greenway (MacArthur Section). Funds are needed for preliminary engineering.	\$20,000.00 \$9,000.00 \$11,000.00	Cost Fed. Local

Urban

Wake Co. U-5118AF DIVISION	42379.3.31, STPDA-0501(036) Kelly Road at Olive Chapel Road. \$339,840.00 has previously been approved for construction. Additional funds are needed for operational improvements and a sidewalk.	\$260,000.00 \$130,000.00 \$130,000.00	Cost Fed. Local
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Bridge

Wake Co. B-5130 DIVISION	44289.2.FD1, BRZ-1321(004) Replace Bridge #318 over Lake Johnson on SR 1321. Funds are needed for full right of way and utilities.	\$314,000.00 \$251,200.00 \$62,800.00	Cost Fed. State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-6

Division 5 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Durham Co. W-5205V DIVISION	45335.3.23, HSIP-1104(019) SR 1104 (Herndon Road) / SR 1105 (Old Apex Road) at SR 1106 (Massey Chapel Road / Barbee Road). \$1,010,000.00 has previously been approved for construction. Additional funds are requested based on increased construction estimates.	\$230,000.00 \$207,000.00 \$23,000.00	Cost Fed. State

**NCDOT February 2017 Board of Transportation Agenda
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M-7

Division 6

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Cumberland Co. W-5601AR DIVISION	50138.3.45, HSIP-1600(014) SR 1600 (McCormick Bridge Road), curve located approximately 0.3 miles south east of SR 1798 (Sandclay Road). Construction funds are needed for safety improvements.	\$214,000.00 \$192,600.00 \$21,400.00	Cost Fed. State
Cumberland Co. W-5601DD DIVISION	50138.3.109, HSIP-1600(016) SR 1600 (McCormick Bridge / McArthur Road) curve at SR 1605 (Johnson Farm Road), and adjacent curve located south of SR 1605 (Johnson Farm Road) in Fayetteville and Fort Bragg. Funds are needed for construction of safety improvements.	\$670,000.00 \$603,000.00 \$67,000.00	Cost Fed. State
Cumberland Co. W-5601DE DIVISION	50138.2.110, HSIP-1141(028) SR 1141 (Cumberland Road) from SR 1219 (Ireland Drive) to SR 1149 (Boone Trail). Funds are needed for full right of way.	\$5,000.00 \$4,500.00 \$500.00	Cost Fed. State
Harnett Co. W-5601FU REGIONAL	50138.3.178, HSIP-0210(036) NC 210 at SR 1006 (Old Stage Road). Construction funds are needed for safety improvements.	\$251,000.00 \$225,900.00 \$25,100.00	Cost Fed. State

**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-8

Division 7

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Guilford Co.	50138.3.191, HSIP-0073(043)	\$325,000.00	Cost
W-5601GH	I-73 southbound in advance of Exit 97 (I-85 Bus / US 29 /	\$292,500.00	Fed.
STATEWIDE	US 70) near Greensboro. Funds are needed for construction for safety improvements.	\$32,500.00	State

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M-9

Division 8

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Lee Co. W-5708C DIVISION	44854.1.3, HSIP-1140(017) SR 1140 (Frank Wicker Road) west of NC 87. Funds are needed for preliminary engineering.	\$25,000.00 \$22,500.00 \$2,500.00	Cost Fed. State

February 2, 2017

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M-10

Division 9

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Davie Co. I-5765 STATEWIDE	53008.3.1, NHPP-0040(028) I-40 from 0.5 miles west of US 601 to 1.2 miles east of SR 1410 (Farmington Road). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published December 16, 2016.	\$11,900,000.00 \$9,520,000.00 \$2,380,000.00	Cost Fed. State

Safety

Forsyth Co. W-5601AM DIVISION	50138.3.40, HSIP-2021(002) SR 2021 (Dobson / Kerner Roads) at SR 2024 (Old Valley School Road) in Kernersville. Construction funds are needed for safety improvements.	\$645,000.00 \$580,500.00 \$64,500.00	Cost Fed. State
Rowan Co. W-5601GJ REGIONAL	50138.2.193, HSIP-0601(024) US 601 between the municipal limits of Salisbury and the Davie County Line, north of Salisbury. Funds are needed for full right of way and utilities.	\$100,000.00 \$90,000.00 \$10,000.00	Cost Fed. State
Rowan Co. W-5601DZ DIVISION	50138.3.128, HSIP-1007(033) SR 1007 (Jake Alexander Boulevard) at Morlan Park Road. Funds are needed for construction for safety improvements.	\$260,000.00 \$234,000.00 \$26,000.00	Cost Fed. State

Rail Program

Davidson Co. Z-5700IB DIVISION	44803.1.8, RR-2010(001) Railway-Highway Safety Program. SR 2010 (Holly Grove Road) and High Point, Thomasville and Denton (HPT&D) Crossing #836 565C in Thomasville. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-11

Division 9 (Continued)

Rail Program

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Salisbury/ Rowan Co. U-3459 STATEWIDE	34951.1.1, STP-2541(004) Railway-Highway Crossing Hazard Elimination in High-Speed Rail Corridors at SR 2541 (Klumac Road) at the North Carolina Railroad in Salisbury. \$2,671,656.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. WBS 34951.1.1 will be closed.	\$485,000.00 \$485,000.00	Cost Fed.
Stokes Co. Z-5700IC DIVISION	44803.1.9, RR-0917(002) Railway-Highway Safety Program. Plant Street to Norfolk Southern Corporation Crossing #470 181C in Walnut Cove. Funds are needed for preliminary engineering.	\$20,000.00 \$18,000.00 \$2,000.00	Cost Fed. State

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Approval of Funds for Specific Federal - Aid Projects**

M-12

Division 10

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Concord/ Cabarrus Co. C-4918A EXEMPT	44018.3.3, CMS-1004(032) SR 1394 (Popular Tent Road) and US 29. Construction funds are needed for intersection improvements of additional turn lanes.	\$1,552,357.00 \$1,241,886.00 \$310,471.00	Cost Fed. Local
Kannapolis/ Cabarrus Co. C-5502 EXEMPT	45495.2.1, CMS-0924(005) Sidewalk for Little Texas Road from Forest Park Drive to existing sidewalk south of Mission Tripp Street. Funds are needed for full right of way and utilities.	\$14,000.00 \$10,500.00 \$3,500.00	Cost Fed. Local

Urban

Cabarrus Co. U-4910A DIVISION	40373.3.3, STPDA-1445(008) SR 1445 (Derita Road) from SR 2894 (Concord Mills Boulevard) to Aviation Boulevard; (Combined with U-4910B: SR 1445 (Derita Road) from Aviation Boulevard to SR 1394 (Poplar Tent Road)). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published December 16, 2016.	\$20,800,000.00 \$16,640,000.00 \$4,160,000.00	Cost Fed. State
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Safety

Kannapolis/ Cabarrus Co. W-5710C DIVISION	44856.1.3, HSIP-2180(003) SR 2180 (Lane Street / Jackson Park Road) from US Main Street to a point just west of I-85 Ramps. Funds are needed for preliminary engineering.	\$50,000.00 \$45,000.00 \$5,000.00	Cost Fed. State
Charlotte/ Mecklenburg Co. W-5710F DIVISION	44856.1.6, HSIP-3624(001) SR 3624 (Rea Road) and Old Providence Road. Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Cost Fed. State

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M-13

Division 10 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Albemarle/ Stanly Co. W-5710D REGIONAL	44856.1.4, HSIP-0024(081) NC 24 / 27 and SR 1258 (Newt Road). Funds are needed for preliminary engineering.	\$60,000.00 \$54,000.00 \$6,000.00	Cost Fed. State
Locust/ Stanly Co. W-5710E REGIONAL	44856.1.5, HSIP-0024(082) NC 24 / 27 and SR 1142 (Brown Hill Road). Funds are needed for preliminary engineering.	\$65,000.00 \$58,500.00 \$6,500.00	Cost Fed. State

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M-14

Division 11

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Caldwell Co. U-4700A STATEWIDE	35993.1.7, NHP-0321(039) US 321 from US 70 in Hickory to US 321A (Combined with B-4450: to replace Bridge #367 over Catawba River on US 321). Funds are needed for preliminary engineering.	\$500,000.00 \$400,000.00 \$100,000.00	Cost Fed. State
Watauga Co. U-4020 REGIONAL	35015.2.1, NHF-0421(031) US 421 (King Street) from US 321 (Hardin Street) to east of NC 194 (Jefferson Road). \$34,508,622.00 has previously been approved for full right of way. Additional funds are needed for a condemnation case.	\$25,000.00 \$20,000.00 \$5,000.00	Cost Fed. State

Safety

Wilkes Co. W-5521 STATEWIDE	50095.2.1, HSIP-0421(081) US 421 near SR 1301 (Fall Creek Road). Funds are needed for full right of way and utilities.	\$100,000.00 \$90,000.00 \$10,000.00	Cost Fed. State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-15

Division 12

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Gaston Co. C-5606E EXEMPT	43728.1.6, CMAQ-000S(849) Greenway expansion, from Technology Park to Gaston College. Funds are needed for preliminary engineering.	\$54,266.00 Cost \$42,870.00 Fed. \$11,396.00 Local

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M-16

Division 13

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
McDowell Co. I-5809 STATEWIDE	50452.3.1, NHPP-0040(027) I-40 from west of NC 226 at Bridges #136 and #137 to west of Burke County Line at Bridges #163 and #165. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published December 16, 2016.	\$8,058,000.00 Cost \$6,459,900.00 Fed. \$1,598,100.00 State

Bridge

Rutherford Co. B-5397 DIVISION	46112.3.1, BRZ-2213(002) Replace Bridge #51 over Floyds Creek on SR 2213. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published December 16, 2016.	\$1,400,000.00 Cost \$1,120,000.00 Fed. \$280,000.00 State
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Safety

Buncombe Co. W-5713K STATEWIDE	44861.1.11, HSIP-0026(011) I-26 Eastbound from I-40 Eastbound On-Ramp to a point just north of SR 3431 (Pond Road). Funds are needed for preliminary engineering.	\$120,000.00 Cost \$108,000.00 Fed. \$12,000.00 State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-17

Division 14

Appalachian

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Henderson Co. R-5771 EXEMPT	46877.2.1, APD-1690(001) SR 1690 (Broadpointe Drive) to 24 feet paved roadway and replace Bridge # 107. Funds are needed for full right of way.	\$220,000.00 \$220,000.00	Cost Fed.

Safety

Haywood Co. W-5601GP DIVISION	50138.3.199, HSIP-1613(009) SR 1613 (Beaver Dam Road) between SR 1663 (Great Oak Drive) and SR 1640 (Hilla Villa Road) near Canton. Funds are needed for construction of safety improvements.	\$50,000.00 \$45,000.00 \$5,000.00	Cost Fed. State
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**NCDOT February 2017 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

M-18

Statewide

Surface Transportation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Statewide	34625.1.1, STP-000S(320)	\$3,500,000.00	Cost
R-4436	National Pollutant Discharge Elimination System (NPDES) -	\$2,800,000.00	Fed.
STATEWIDE	Highway Stormwater Program. \$26,544,998.00 has previously been approved for preliminary engineering. Additional funds are needed to protect water quality.	\$700,000.00	State

Planning and Research

Statewide	47520.5.1, BRP-FY17(001)	\$550,000.00	Cost
NO ID	Biorepavation Project Funds are needed for research.	\$550,000.00	Fed.
STATEWIDE			

ITEM M SUMMARY - 48 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$78,047,084.00

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

February 2, 2017

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 1

R-2511
BEAUFORT
MARTIN
PROJ.CATEGORY
DIVISION

US 17, WASHINGTON BYPASS NORTH OF
NC 171 TO MULTI-LANES SOUTH OF
WILLIAMSTON. WIDEN TO MULTI-LANES.

*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

R-4458
PERQUIMANS
PROJ.CATEGORY
DIVISION

US 17, SR 1300 (NEW HOPE ROAD). CONVERT AT-
GRADE INTERSECTION TO INTERCHANGE.

*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

R-4459
PERQUIMANS
PROJ.CATEGORY
REGIONAL

US 17, SR 1336 (HARVEY POINT ROAD) AND SR 1338
(WAYNE FORK ROAD). CONVERT AT-GRADE
INTERSECTION TO AN INTERCHANGE.

*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

R-5796
HERTFORD
PROJ.CATEGORY
REGIONAL

US 13/NC 42/NC 561 (MEMORIAL DRIVE), PEACHTREE
STREET TO NC 42. WIDEN TO MULTI-LANES.

*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

R-5806
PERQUIMANS
PROJ.CATEGORY
DIVISION

SR 1336 (HARVEY POINT ROAD), US 17 TO CHURCHES
LANE. MODERNIZE ROADWAY.

*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

R-5807
CAMDEN
PROJ.CATEGORY
DIVISION

NC 343, US 158 TO SR 1119 IN SHILOH. MODERNIZE
ROADWAY.

*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

* INDICATES FEDERAL AMENDMENT

Thursday, February 02, 2017

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 1

R-5808 US 158, SR 1002 TO PASQUOTANK COUNTY LINE.
GATES MODERNIZE ROADWAY.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-5809 NC 45, HERTFORD COUNTY LINE TO WASHINGTON
BERTIE COUNTY LINE. MODERNIZE ROADWAY.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-5810 US 17, SR 1119 (RALPH TAYLOR ROAD) TO SR 1205
MARTIN (HOLLY CREEK ROAD). ACCESS MANAGEMENT.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-5811 SR 1400, NC 461 TO END OF STATE MAINTENANCE.
HERTFORD MODERNIZE ROADWAY.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5939 US 17 BUSINESS, SR 1145 (OAK STUMP ROAD).
PASQUOTANK IMPROVE INTERSECTION.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5940 US 17 (HUGHES BOULEVARD), SR 1308 (CHURCH
PASQUOTANK STREET) TO US 17 BUSINESS (NORTH ROAD STREET).
PROJ.CATEGORY ACCESS MANAGEMENT.
REGIONAL PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

* INDICATES FEDERAL AMENDMENT

Thursday, February 02, 2017

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 1

U-5942 ELIZABETH CITY, ELIZABETH CITY SIGNAL SYSTEM.
CAMDEN PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
PASQUOTANK STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJ.CATEGORY PROJECT
REGIONAL

DIVISION 2

R-2513A US 17, NC 43 TO SR 1438 (SPRUILL TOWN ROAD).
CRAVEN WIDEN TO MULTI-LANES.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-2553C US 70 (KINSTON BYPASS), NC 148 (HARVEY PARKWAY)
LENOIR TO US 70 EAST OF NC 58.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-3403B US 17, SR 1433 (ANTIOCH ROAD) TO NC 43
CRAVEN PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
REGIONAL PROJECT

R-5812 US 13 BYPASS, NC 58 (KINGOLD BOULEVARD) TO NC
GREENE 91. WIDEN TO THREE LANES WITH CENTER TURN
PROJ.CATEGORY LANE.
DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-5813 US 70, SR 1227 (JIM SUTTON ROAD)/SR 1252 (WILLIE
LENOIR MEASLEY ROAD). CONSTRUCT AT GRADE
PROJ.CATEGORY INTERSECTION TO INTERCHANGE
DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

* INDICATES FEDERAL AMENDMENT

Thursday, February 02, 2017

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 2

R-5814 US 258, SR 1101 (BROWNTOWN ROAD) TO SR 2010 (C.
GREENE F. HARVEY PARKWAY). WIDEN TO MULTI-LANES.
LENOIR PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
DIVISION PROJECT

R-5815 NC 11, PROPOSED GREENVILLE SOUTHWEST BYPASS
LENOIR TO PROPOSED HARVEY PARKWAY EXTENSION.
PITT UPGRADE TO INTERSTATE STANDARDS.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-5816 NC 58 (WEST FORT MACON), ATLANTIC BEACH
CARTERET CAUSEWAY. ADD RIGHT TURN LANE.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-3431 SR 1763 (MILLER BOULEVARD), SR 1756 (LAKE ROAD)
CRAVEN TO OUTER BANKS DRIVE. WIDEN TO MULTI-LANES.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-3618 CAREY ROAD EXTENSION, SR 1572 (ROUSE ROAD) TO
LENOIR US 258. CONSTRUCT MULTI-LANES ON NEW
PROJ.CATEGORY LOCATION.
DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5953 NC 102, AYDEN ELEMENTARY SCHOOL. CONSTRUCT
PITT RIGHT TURN LANE.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

* INDICATES FEDERAL AMENDMENT

Thursday, February 02, 2017

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 2

U-5991
PITT
PROJ.CATEGORY
DIVISION

NC 43, SR 1708 (FIRETOWER ROAD) TO SR 1711
(WORTHINGTON ROAD). WIDEN TO MULTI-LANES.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5992
CRAVEN
PROJ.CATEGORY
DIVISION

NC 55 (FIRST STREET/ COUNTRY CLUB ROAD), NC 55
(NEUSE BOULEVARD) TO PEMBROKE AVENUE.
REDUCE LANES AND INCLUDE BICYCLE AND
PEDESTRIAN ACCOMODATIONS.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5993
CRAVEN
PROJ.CATEGORY
DIVISION

NC 55 (NEUSE BOULEVARD), US 17 BUSINESS (MLK).
CONSTRUCT ROUNDABOUT.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

DIVISION 3

U-5932
BRUNSWICK
PROJ.CATEGORY
STATEWIDE

US 17, NC 211. CONVERT INTERSECTION TO
INTERCHANGE
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5948
NEW HANOVER
PROJ.CATEGORY
REGIONAL

US 17 (MARKET STREET), SR 1272 (NEW CENTER
DRIVE). IMPROVE INTERSECTION.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5949
ONslow
PROJ.CATEGORY
REGIONAL

NC 210, US 17 TO SOUTH OF SR 1518 (OLD
FOLKSTONE ROAD). WIDEN TO MULTI-LANES.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 3

U-5950 US 17 BUSINESS (MARINE BOULEVARD), SR 1336
 ONSLOW (HENDERSON DRIVE). IMPROVE INTERSECTION.
 PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
 REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5951 US 17, US 17 BUSINESS (MARINE BOULEVARD).
 ONSLOW UPGRADE AT-GRADE INTERSECTION TO PARTIAL
 PROJ.CATEGORY INTERCHANGE.
 REGIONAL PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5954 NC 133 (CASTLE HAYNE ROAD), NORTH 23RD
 NEW HANOVER STREET. CONSTRUCT A ROUNDABOUT.
 PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
 REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

DIVISION 4

I-5972 I-95, US 70 BUSINESS. UPGRADE INTERCHANGE.
 JOHNSTON PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
 PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 REGIONAL PROJECT

I-5974 I-95, US 701/NC 96. CONSTRUCT INTERCHANGE
 JOHNSTON PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
 PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 REGIONAL PROJECT

R-5795 US 70, US 301 TO I-95. ACCESS MANAGEMENT.
 JOHNSTON PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
 PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 REGIONAL PROJECT

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 4

R-5817
JOHNSTON
PROJ.CATEGORY
DIVISION

NC 210, SR 1162 (BLACK CREEK ROAD). ADD TURN LANES.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5818
WAYNE
PROJ.CATEGORY
DIVISION

US 117, SR 1144 (LEE'S COUNTRY CLUB ROAD) TO SR 1147 (OLD SMITH CHAPEL ROAD). CONSTRUCT NEW ROUTE AND INTERCHANGE.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5829
WAYNE
PROJ.CATEGORY
DIVISION

US 70, US 70 BYPASS TO SR 1229. UPGRADE TO FREEWAY STANDARDS.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

U-2561C
NASH
PROJ.CATEGORY
DIVISION

NC 43, SR 1613 (WOODRUFF AVENUE) TO I-95.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

U-3609B
WAYNE
PROJ.CATEGORY
REGIONAL

US 13 (BERKELEY BOULEVARD), SR 1003 (NEW HOPE ROAD) TO NORTH OF SR 1705 (HOOD SWAMP ROAD).
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

U-4424
EDGEcombe
PROJ.CATEGORY
DIVISION

NC 111 (WILSON STREET), US 64 ALTERNATE (WESTERN BOULEVARD) TO NC 122 (MCNAIR ROAD). WIDEN TO THREE LANES.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 4

U-5911 NC 48, SR 1524 (RED OAK/BATTLEBORO ROAD) TO NC
NASH 4. WIDEN TO MULTI-LANES.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5935 US 301, SR 1606 (BLACK CREEK ROAD) TO SR 1515
WILSON (LIPSCOMB ROAD). UPGRADE ROADWAY INCLUDING
PROJ.CATEGORY BICYCLE AND PEDESTRIAN ACCOMODATIONS.
REGIONAL PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5938 US 13 (BERKELEY BOULEVARD), SR 1003 (NEW HOPE
WAYNE ROAD). IMPROVE INTERSECTION.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5941 US 264 ALTERNATE (RALEIGH ROAD PARKWAY), SR
WILSON 1320 (AIRPORT BOULEVARD) TO EAST OF SR 1165
PROJ.CATEGORY (FOREST HILLS ROAD). SAFETY IMPROVEMENTS.
REGIONAL PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5943 CLAYTON, CLAYTON SIGNAL SYSTEM.
JOHNSTON
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-5945 WILSON, WILSON CITY SIGNAL SYSTEM.
WILSON
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
REGIONAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 4

U-5947
NASH
PROJ.CATEGORY REGIONAL
NC 43 (BENVENUE ROAD), US 64 BYPASS OFFRAMP.
CONSTRUCT ROUNDABOUT.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5958
WAYNE
PROJ.CATEGORY REGIONAL
US 70, SR 1719 (BESTON ROAD). IMPROVE
INTERSECTION.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5994
WAYNE
PROJ.CATEGORY DIVISION
SR 1556 (WAYNE MEMORIAL DRIVE), LOCKHAVEN
DRIVE TO COUNTRY DAY ROAD. CONSTRUCT
ACCESS MANAGEMENT IMPROVEMENTS.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5995
NASH
PROJ.CATEGORY DIVISION
US 64, SR 1603 (OLD CARRIAGE ROAD). WIDEN
BRIDGE.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5996
NASH
PROJ.CATEGORY DIVISION
SR 1603 (OLD CARRIAGE ROAD), GREEN HILLS ROAD
TO US 64 BUSINESS (EASTERN AVENUE). ADD
CENTER TURN LANE.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-5997
WAYNE
PROJ.CATEGORY DIVISION
SR 2075 (WEST ASH STREET), I-795/US 117 TO
VIRGINIA STREET. WIDEN TO MULTI-LANES.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 4

U-5998
JOHNSTON
PROJ.CATEGORY
DIVISION

NC 42, SR 1003 (BUFFALO ROAD) TO WILSON COUNTY LINE. MODERNIZE ROADWAY.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

U-5999
JOHNSTON
PROJ.CATEGORY
DIVISION

KELLIE DRIVE, NORTH OF SR 1923 (BOOKER DAIRY ROAD) TO SR 1003 (BUFFALO ROAD). CONSTRUCT ROADWAY ON NEW LOCATION.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

U-6000
WILSON
PROJ.CATEGORY
DIVISION

NC 58, NC 42/SR 1516 (WARD BOULEVARD) TO SR 1165 (FOREST HILLS ROAD). WIDEN TO MULTI-LANES.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

DIVISION 5

* I-5966
WAKE
PROJ.CATEGORY
STATEWIDE

I-40, SR 1002 (AVIATION PARKWAY) TO SR 1652 (HARRISON AVENUE) IN CARY. CONSTRUCT AUXILIARY LANES IN BOTH DIRECTIONS.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

* I-5968
WAKE
PROJ.CATEGORY
STATEWIDE

I-540, US 70 TO SR 1829 (LEESVILLE ROAD) IN RALEIGH. CONSTRUCT EASTBOUND AUXILIARY LANE.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

* I-5970
WAKE
PROJ.CATEGORY
STATEWIDE

I-440 / US 1, US 401 (CAPITAL BOULEVARD) IN RALEIGH. INTERCHANGE IMPROVEMENTS.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 5

* M-0509	CSX RAILROAD. EXTEND CAPITAL YARD LEAD TRACKS	RIGHT-OF-WAY	FY 2017-	\$300,000	(DP)
WAKE	IN RALEIGH TO REMOVE FREIGHT CONFLICTS.		FY 2017-	\$75,000	(S)
PROJ.CATEGORY	<u>PROJECT ADDED AT REQUEST OF RAIL DIVISION TO</u>	CONSTRUCTION	FY 2017-	\$2,707,025	(DP)
EXEMPT	<u>APPLY REPURPOSED EARMARK FUNDS.</u>		FY 2017-	\$1,217,975	(S)
				\$4,300,000	

* R-3608	US 401 / NC 39, NC 56 / NC 581 (NASH STREET) TO SR
FRANKLIN	1229 (MAIN STREET). WIDEN TO MULTILANES.
PROJ.CATEGORY	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
REGIONAL	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
	<u>PROJECT</u>

* U-2823	US 70, I-540 TO HILLBURN DRIVE IN RALEIGH. ADD
WAKE	LANES AND CONVERT TO SUPERSTREET.
PROJ.CATEGORY	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
STATEWIDE	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
	<u>PROJECT</u>

* U-4437	NC 54 (HILLSBOROUGH STREET), SR 1664 / SR 3074
WAKE	(BLUE RIDGE ROAD) IN VICINITY OF NC RAILROAD
PROJ.CATEGORY	(CSX CORPORATION AND NORFOLK SOUTHERN) IN
DIVISION	RALEIGH. CONSTRUCT GRADE SEPARATIONS AND
	ACCESS ROAD BETWEEN NC 54 AND SR 1664 / SR
	3074.
	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
	<u>PROJECT</u>

* U-5934	NC 147, I-40 TO FUTURE I-885 (EAST END
DURHAM	CONNECTOR) IN DURHAM. ADD LANES AND
PROJ.CATEGORY	REHABILITATE PAVEMENT.
STATEWIDE	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
	<u>PROJECT</u>

* U-5936	SR 1728 (WADE AVENUE), I-40 TO I-440 IN RALEIGH.
WAKE	ADD LANES.
PROJ.CATEGORY	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
STATEWIDE	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
	<u>PROJECT</u>

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 5

* U-5937 DURHAM PROJ.CATEGORY STATEWIDE	NC 147 (DURHAM FREEWAY), SR 1445 (SOUTH DUKE STREET) TO BRIGGS AVENUE IN DURHAM. CONSTRUCT AUXILIARY LANES AND OPERATIONAL IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-5966 WAKE PROJ.CATEGORY REGIONAL	NEW ROUTE, SR 1613 (MCCRIMMON PARKWAY) TO NC 540 IN MORRISVILLE. CONSTRUCT MULTILANE FACILITY ON NEW LOCATION. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI TOLL PROJECT</i></u>
* U-5967 WAKE PROJ.CATEGORY REGIONAL	VARIOUS, TOWN OF MORRISVILLE. CONSTRUCT TOWNWIDE ITS / SIGNAL SYSTEM. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-5968 DURHAM PROJ.CATEGORY REGIONAL	VARIOUS, CITY OF DURHAM. UPGRADE ITS / SIGNAL SYSTEM. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-5969 PERSON	US 501, SOUTH OF US 158 TO SR 1601 (NORTH MAIN STREET) IN ROXBORO. CONVERT TO 4-LANE MEDIAN DIVIDED FACILITY, IMPROVE VARIOUS INTERSECTIONS WITH SOME CONSOLIDATION OF INTERSECTIONS, AND FILL IN SIDEWALK GAPS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT - SEE BELOW FOR PROJECT SECTIONS.</i></u>
* U-5969A PERSON PROJ.CATEGORY DIVISION	US 501, SOUTH OF US 158 TO NC 157. <u><i>NEW STI PROJECT SECTION</i></u>

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 5

* U-5969B PERSON PROJ.CATEGORY REGIONAL	US 501, NC 157 TO SR 1596 (WEST MOREHEAD STREET) <u>NEW STI PROJECT SECTION</u>
* U-5969C PERSON PROJ.CATEGORY REGIONAL	US 501 / NC 49, SR 1596 (WEST MOREHEAD STREET) TO SR 1601 (NORTH MAIN STREET) <u>NEW STI PROJECT SECTION</u>
* U-5980 WAKE PROJ.CATEGORY REGIONAL	US 401 / NC 42 / NC 55, SR 2768 / SR 5056 (NORTH JUDD PARKWAY) TO NC 42 / NC 55. ACCESS MANAGEMENT IMPROVEMENTS. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
* U-5981 WAKE PROJ.CATEGORY REGIONAL	US 1, NC 55 INTERCHANGE IN APEX. IMPROVE INTERCHANGE AND UPGRADE NC 55 NORTHBOUND FROM SR 1444 (LUFKIN ROAD) TO US 1. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
* U-6020 GRANVILLE PROJ.CATEGORY DIVISION	NC 56 (EAST C STREET), SR 1215 (WEST LYON STATION ROAD) IN BUTNER. REALIGN INTERSECTION. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
* U-6021 DURHAM PROJ.CATEGORY DIVISION	SR 1118 (FAYETTEVILLE ROAD), WOODCROFT PARKWAY TO BARBEE ROAD IN DURHAM. WIDEN TO 4-LANE DIVIDED FACILITY WITH BICYCLE / PEDESTRIAN ACCOMMODATIONS. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 5

* U-6022 VARIOUS, TOWN OF FUQUAY-VARINA. CONSTRUCT
WAKE TOWNWIDE ITS / SIGNAL SYSTEM.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 PROJECT

* U-6023 VARIOUS, TOWN OF WAKE FOREST. CONSTRUCT
WAKE TOWNWIDE ITS / SIGNAL SYSTEM.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 PROJECT

* U-6024 US 401 / NC 39 (BICKETT BOULEVARD), BURKE
FRANKLIN BOULEVARD TO NC 56 / NC 581 (NASH STREET) IN
PROJ.CATEGORY LOUISBURG. CONVERT 5-LANE SECTION TO 4-LANE
DIVISION DIVIDED FACILITY WITH BICYCLE / PEDESTRIAN
 ACCOMMODATIONS.
 PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
 STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 PROJECT

* U-6026 VARIOUS, TOWN OF KNIGHTDALE. CONSTRUCT
WAKE TOWNWIDE ITS / SIGNAL SYSTEM.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
DIVISION STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 PROJECT

DIVISION 6

R-2561C NC 87, NC 11 TO US 74/US 76 IN COLUMBUS COUNTY.
COLUMBUS PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
REGIONAL PROJECT

R-4428 NC 711, SR 1340 (ODOM STREET-PHILADELPHUS
ROBESON ROAD) IN PEMBROKE TO SR 1557 (REDMOND ROAD).
PROJ.CATEGORY WIDEN TO MULTI-LANES.
REGIONAL PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
 STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 PROJECT

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 6

R-5013
COLUMBUS
PROJ.CATEGORY
DIVISION

US 701, NC 410 (JOE BROWN HIGHWAY). IMPROVE INTERSECTION.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5797
COLUMBUS
PROJ.CATEGORY
REGIONAL

US 74, SR 1506 (BOARDMAN ROAD). UPGRADE AT-GRADE INTERSECTION TO AN INTERCHANGE.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5819
COLUMBUS
PROJ.CATEGORY
DIVISION

US 74/US 76, SR 1740 (OLD LAKE ROAD). CONVERT AT-GRADE INTERSECTION TO INTERCHANGE.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5820
COLUMBUS
PROJ.CATEGORY
DIVISION

US 74/US 76, SR 1735 (CHAUNCEY TOWN ROAD). CONVERT AT-GRADE INTERSECTION TO INTERCHANGE.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5848 ROBESON PROJ.CATEGORY REGIONAL	NC 20, WEST OF SR 1829 (NASH ROAD) TO WEST OF SR 1732 (VETERANS ROAD). CONSTRUCT TURN LANES AND TRUCK ACCELERATION LANES TO ACCOMMODATE PEPSI COLA BOTTLING FACILITY. <u>ECONOMIC DEVELOPMENT PROJECT.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2017 - \$100,000 (T) FY 2017 - <u>\$1,500,000</u> (T) \$1,600,000
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U-5930
CUMBERLAND
PROJ.CATEGORY
STATEWIDE

NC 24 (NORTH BRAGG BOULEVARD), SR 1451 (MANCHESTER ROAD). CONSTRUCT INTERCHANGE.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 6

U-5933
HARNETT
PROJ.CATEGORY
STATEWIDE

NC 87/NC 24, SR 1117 (NURSERY ROAD).
INTERSECTION IMPROVEMENTS.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-6001
CUMBERLAND
PROJ.CATEGORY
DIVISION

NC 59 (SOUTH MAIN STREET), SR 1243 (SHIPMAN
ROAD) TO SR 1118 (PARKTON ROAD). WIDEN TO
THREE LANES.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

U-6052
HARNETT
PROJ.CATEGORY
REGIONAL

US 421(CUMBERLAND STREET), I-95 TO SR 1718
(ERWIN ROAD). ACCESS MANAGEMENT
IMPROVEMENTS.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

DIVISION 7

* I-5964
GUILFORD
PROJ.CATEGORY
STATEWIDE

I-40 / BUSINESS 85 / US 29 / US 70 / US 220, ELM-
EUGENE STREET IN GREENSBORO. INTERCHANGE
IMPROVEMENTS.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

* I-5965
GUILFORD
PROJ.CATEGORY
STATEWIDE

I-40 / BUSINESS 85 / US 29 / US 70 / US 220, US 220 / SR
1398 (FREEMAN MILL ROAD) TO US 29 / US 70 / US 220
IN GREENSBORO. ADD LANES, IMPROVE SR 1007
(RANDLEMAN ROAD) AND ELM-EUGENE STREET
INTERCHANGES, AND REPLACE NORFOLK-SOUTHERN
RAILROAD BRIDGE OVERPASS EAST OF ELM-EUGENE
STREET.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

* I-5967
ORANGE
PROJ.CATEGORY
STATEWIDE

I-85, SR 1009 (SOUTH CHURTON STREET) IN
HILLSBOROUGH. INTERCHANGE IMPROVEMENTS.
*PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT*

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 7

* I-5980 GUILFORD PROJ.CATEGORY DIVISION	I-40, SR 1860 (MACY GROVE ROAD). CONVERT GRADE SEPARATION TO INTERCHANGE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* R-5821 ORANGE PROJ.CATEGORY DIVISION	NC 54, SR 1006 (ORANGE GROVE ROAD) TO SR 1107 / SR 1937 (OLD FAYETTEVILLE ROAD). CONSTRUCT OPERATIONAL IMPROVEMENTS, INCLUDING BICYCLE/PEDESTRIAN ACCOMMODATIONS, AND IMPROVE SR 1006 INTERSECTION. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* R-5822 CASWELL PROJ.CATEGORY DIVISION	NC 86, US 158 TO VIRGINIA STATE LINE. CONSTRUCT PASSING LANES AND SHOULDER IMPROVEMENTS AT VARIOUS LOCATIONS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* R-5823 GUILFORD ROCKINGHAM PROJ.CATEGORY DIVISION	NC 65 / NC 68, NC 65 IN STOKESDALE (SOUTHERNMOST INTERSECTION) TO US 220 / FUTURE I-73. WIDEN TO MULTILANES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-4015 GUILFORD	SR 1556 (GALLIMORE DAIRY ROAD), NC 68 TO SR 1008 (WEST MARKET STREET) IN GREENSBORO. WIDEN TO MULTILANES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT - SEE PROJECT SECTIONS BELOW</i></u>
* U-4015A GUILFORD PROJ.CATEGORY DIVISION	SR 1556 (GALLIMORE DAIRY ROAD), NC 68 TO SOUTH OF INTERNATIONAL DRIVE <u><i>NEW STI PROJECT</i></u>

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 7

U-4015B GUILFORD	SR 1556 (GALLIMORE DAIRY ROAD), SOUTH OF INTERNATIONAL DRIVE TO SR 1008 (WEST MARKET STREET) <u><i>[SECTION COMPLETED UNDER EARLIER PROJECT]</i></u>
* U-5974 GUILFORD PROJ.CATEGORY REGIONAL	NC 68, SR 1523 (HICKSWOOD ROAD) TO SR 1556 (GALLIMORE DAIRY ROAD) IN HIGH POINT. UPGRADE TO SUPERSTREET. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6008 GUILFORD PROJ.CATEGORY DIVISION	SR 2085 (BRYAN BOULEVARD), NEW GARDEN ROAD AT HORSEPEN CREEK ROAD IN GREENSBORO. INTERCHANGE IMPROVEMENTS, INCLUDING NEW RAMP FROM WESTBOUND NEW GARDEN ROAD TO WESTBOUND SR 2085. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6009 ALAMANCE PROJ.CATEGORY DIVISION	US 70 (WEST CHURCH STREET), TARLETON AVENUE TO FIFTH STREET IN BURLINGTON. WIDEN AND CONSTRUCT CENTER TURN LANE. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6010 ALAMANCE PROJ.CATEGORY DIVISION	US 70 (SOUTH CHURCH STREET), SR 1226 / SR 1311 (UNIVERSITY DRIVE) IN BURLINGTON. INTERSECTION IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6011 ALAMANCE PROJ.CATEGORY DIVISION	US 70 (SOUTH CHURCH STREET), SR 1158 (HUFFMAN MILL ROAD) IN BURLINGTON. INTERSECTION IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 7

* U-6012 GUILFORD PROJ.CATEGORY DIVISION	NC 68, SR 2129 (FOGLEMEN ROAD) TO NC 150 IN OAK RIDGE. ACCESS MANAGEMENT AND SAFETY ENHANCEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6013 ALAMANCE	NC 119, NC 54 IN SWEPSONVILLE TO LOWES BOULEVARD IN MEBANE. WIDEN TO MULTILANES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT - SEE BELOW FOR PROJECT SECTIONS</i></u>
* U-6013A ALAMANCE	NC 119, NC 54 TO SR 2125 (KIMREY ROAD).
* U-6013B ALAMANCE	NC 119, SR 2125 (KIMREY ROAD) TO SR 1981 (TROLLINGWOOD-HAWFIELDS ROAD) / SR 2126 (OLD HILLSBOROUGH ROAD).
* U-6013C ALAMANCE PROJ.CATEGORY DIVISION	NC 119, SR 1981 (TROLLINGWOOD-HAWFIELDS ROAD) / SR 2126 (OLD HILLSBOROUGH ROAD TO LOWES BOULEVARD). <u><i>NEW STI PROJECT SECTION</i></u>
* U-6014 ALAMANCE PROJ.CATEGORY DIVISION	SR 1716 (GRAHAM- HOPEDALE ROAD), SR 1720 (WEST HANOVER ROAD) TO MORNINGSIDE DRIVE IN BURLINGTON. WIDEN TO MULTILANES WITH BICYCLE / PEDESTRIAN ACCOMMODATIONS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6015 ALAMANCE PROJ.CATEGORY DIVISION	VARIOUS, UPGRADE BURLINGTON-GRAHAM SIGNAL SYSTEM. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 7

* U-6016 GUILFORD PROJ.CATEGORY DIVISION	SR 2124 (LEWISTON ROAD), SR 2136 (FLEMING ROAD). INTERSECTION IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6017 ALAMANCE PROJ.CATEGORY DIVISION	NC 54 (EAST HARDEN STREET), NC 49 (EAST ELM STREET) IN GRAHAM. INTERSECTION IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6018 GUILFORD PROJ.CATEGORY DIVISION	NC 62, SR 1154 (KERSEY VALLEY ROAD) TO SR 1162 (WEANT ROAD) IN ARCHDALE. IMPROVE INTERCHANGE AREA AND REALIGN SR 1154 AND SR 1162 INTERSECTIONS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6019 GUILFORD PROJ.CATEGORY DIVISION	SR 2334 (AIR HARBOR ROAD), SR 2347 (LAKE BRANDT ROAD). CONSTRUCT TURN LANES AND SIDEWALKS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6045 GUILFORD PROJ.CATEGORY DIVISION	SR 1850 (SANDY RIDGE ROAD), I-40 TO SR 1008 (WEST MARKET STREET) IN GREENSBORO. WIDEN TO MULTILANES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6050 GUILFORD PROJ.CATEGORY DIVISION	SR 1486 (EAST LEXINGTON AVENUE), SR 1009 (NORTH MAIN STREET) TO SR 1471 (MONTLIEU AVENUE) IN HIGH POINT. WIDEN TO MULTILANES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 8

* I-5979 RICHMOND PROJ.CATEGORY DIVISION	US 74 / FUTURE I-74, US 1 (EXIT 311). INTERCHANGE IMPROVEMENTS. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
* R-2220 DAVIDSON RANDOLPH	US 64, EAST OF I-85 BUSINESS TO ASHEBORO BYPASS. WIDEN TO MULTILANES. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT - SEE PROJECT SECTIONS BELOW</u>
R-2220A DAVIDSON	US 64, US 64, I-85 BUSINESS IN LEXINGTON TO EAST OF I-85. <u>[SECTION COMPLETED UNDER EARLIER PROJECT]</u>
* R-2220B DAVIDSON	US 64, I-85 EAST OF LEXINGTON TO NC 109
* R-2220CA DAVIDSON PROJ.CATEGORY DIVISION	US 64, NC 109 TO RANDOLPH COUNTY LINE <u>NEW STI PROJECT SECTION</u>
* R-2220CB RANDOLPH	US 64, DAVIDSON COUNTY LINE TO SR 1409 (LAKE PARK ROAD)
* R-2220DA RANDOLPH PROJ.CATEGORY REGIONAL	US 64, SR 1409 (LAKE PARK ROAD) TO ASHEBORO BYPASS <u>NEW STI PROJECT SECTION</u>

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 8

* R-5801 SCOTLAND PROJ.CATEGORY REGIONAL	US 15 / US 501, NC 144 INTERSECTION. UPGRADE INTERSECTION AND CONSTRUCT GRADE SEPARATION. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* R-5824 MOORE PROJ.CATEGORY DIVISION	NC 690 (LOBELIA ROAD), US 1 IN VASS TO CUMBERLAND COUNTY LINE. UPGRADE ROADWAY, TO INCLUDE TURN LANES AT VARIOUS LOCATIONS AND SOME REALIGNMENT. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* R-5825 CHATHAM PROJ.CATEGORY DIVISION	NC 751, SR 1731 (O'KELLY CHAPEL ROAD). UPGRADE AND REALIGN INTERSECTION. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* R-5826 MONTGOMERY PROJ.CATEGORY DIVISION	NC 109, NC 73 (NORTH MAIN STREET) IN MT. GILEAD TO NC 24 / NC 27. UPGRADE ROADWAY, INCLUDING PAVED SHOULDERS, TURN LANES AND SIGNALS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT - SEE BELOW FOR PROJECT SECTIONS</i></u>
* R-5826A MONTGOMERY	NC 109, NC 73 (NORTH MAIN STREET) IN MT. GILEAD TO SR 1127 (HEARNE FARM ROAD).
* R-5826B MONTGOMERY PROJ.CATEGORY DIVISION	NC 109, SR 1127 (HEARNE FARM ROAD) TO SR 1174 (PEE DEE ROAD). <u><i>NEW STI PROJECT SECTION</i></u>
* R-5826C MONTGOMERY	NC 109, SR 1174 (PEE DEE ROAD) TO NC 24 / NC 27.

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 8

* R-5827 US 15 / US 501, US 401 IN LAURINBURG TO US 1 IN
HOKE ABERDEEN. WIDEN TO MULTILANES.
MOORE *PROGRAMMED FOR PLANNING AND ENVIRONMENTAL*
SCOTLAND *STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI*
PROJ.CATEGORY *PROJECT*
DIVISION

* R-5844 NC 109, NC 24 / NC 27 IN TROY TO NC 47 IN DENTON.
DAVIDSON INCREASE LANE WIDTH, IMPROVE SHOULDERS AND
MONTGOMERY SIGNALIZATION, CONSTRUCT TURN LANES AND
RANDOLPH PROVIDE BICYCLE ACCOMMODATIONS.
PROJ.CATEGORY *PROGRAMMED FOR PLANNING AND ENVIRONMENTAL*
DIVISION *STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI*
 PROJECT - SEE BELOW FOR PROJECT SECTIONS

* R-5844A NC 109, NC 24 / NC 27 TO DAVIDSON COUNTY LINE
MONTGOMERY *NEW STI PROJECT SECTION*
RANDOLPH
PROJ.CATEGORY
DIVISION

* R-5844B NC 109, RANDOLPH COUNTY LINE TO NC 47 IN DENTON
DAVIDSON

* U-5975 US 1 / US 15 / US 501, US 15 / US 501 (WHITE HILL
LEE ROAD) TO SR 1334 (PENDERGRASS ROAD) IN
PROJ.CATEGORY SANFORD. UPGRADE TO SUPERSTREET.
REGIONAL *PROGRAMMED FOR PLANNING AND ENVIRONMENTAL*
 STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
 PROJECT

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 8

* U-5976 MOORE PROJ.CATEGORY REGIONAL	US 15 / US 501, SR 1905 (VOIT GILMORE LANE) IN SOUTHERN PINES TO SR 1208 PAGE ROAD IN PINEHURST. UPGRADE SR 1208 INTERSECTION AND CONSTRUCT IMPROVEMENTS TO PINEHURST TRAFFIC CIRCLE AND APPROACHES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-5977 SCOTLAND PROJ.CATEGORY REGIONAL	US 15 / US 401, SOUTH CAROLINA STATE LINE TO SOUTH OF SR 1105 (TURNPIKE ROAD) IN LAURINBURG. WIDEN TO MULTILANES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6006 RANDOLPH PROJ.CATEGORY DIVISION	US 220 BUSINESS, SR 2123 (CAUDLE ROAD) TO SR 2270 (US 311 EXTENSION) IN RANDLEMAN. WIDEN TO 4-LANE DIVIDED FACILITY. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6007 RANDOLPH PROJ.CATEGORY DIVISION	US 220 BUSINESS (SOUTH FAYETTEVILLE STREET), RIDGE STREET TO ATLANTIC AVENUE IN ASHEBORO. REALIGN ATLANTIC AVENUE INTERSECTION AND IMPLEMENT ACCESS MANAGEMENT. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6027 RICHMOND PROJ.CATEGORY DIVISION	US 1 (PROPOSED) / SR 1516 (GREENE STREET), US 220 TO US 1 IN ROCKINGHAM. WIDEN TO 3-LANE FACILITY AND RE-ROUTE US 1 ALONG PROJECT. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
* U-6051 CUMBERLAND HOKE	SR 1003 (CAMDEN ROAD), SR 1406 (ROCKFISH ROAD) IN HOKE COUNTY TO FAYETTEVILLE LOOP (PROPOSED I-295) IN CUMBERLAND COUNTY. WIDEN TO 4-LANE DIVIDED FACILITY WITH SIDEWALKS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT - SEE BELOW FOR STI PROJECT SECTION.</i></u>

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 8

* U-6051A SR 1003 (CAMDEN ROAD), SR 1406 (ROCKFISH ROAD)
HOKE TO CUMBERLAND COUNTY LINE
PROJ.CATEGORY NEW STI PROJECT SECTION
DIVISION

DIVISION 9

* R-5828 US 311 (NORTH MAIN STREET), SR 1918 (FIRST
STOKES STREET) IN WALNUT COVE. CONSTRUCT
PROJ.CATEGORY ROUNDABOUT.
DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

* U-2826 US 52, SOUTH OF SR 2747 (CLEMMONSVILLE ROAD)
FORSYTH TO FUTURE I-74 (WINSTON-SALEM NORTHERN
PROJ.CATEGORY BELTWAY). ADD LANES.
STATEWIDE PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

* U-5617	SR 1173 (WILLIAMS ROAD), IMPROVE ROUNDABOUTS	ENGINEERING	FY 2018 -	\$136,000	(STBGDA)
FORSYTH	WEST & EAST OF BRIDGE OVER US 421. WIDEN TO		FY 2018 -	\$34,000	(L)
PROJ.CATEGORY	MULTI-LANES FROM ROUNDABOUT EAST OF BRIDGE	RIGHT-OF-WAY	FY 2019 -	\$132,000	(STBGDA)
DIVISION	TO WEST OF ROUNDABOUT AT SR 1001		FY 2019 -	\$33,000	(L)
	(SHALLOWFORD ROAD) WITH SIDEWALKS ON BOTH	CONSTRUCTION	FY 2020 -	\$928,000	(STBGDA)
	SIDES. TOWN OF LEWISVILLE.		FY 2020 -	\$232,000	(L)
	<u>PROJECT ADDED AT REQUEST OF MPO.</u>			\$1,495,000	

* U-6002 WILKESBORO STREET, YADKINVILLE ROAD IN
DAVIE MOCKSVILLE. CONSTRUCT ROUNDABOUT.
PROJ.CATEGORY PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT
DIVISION

* U-6003 NEW ROUTE, SR 1969 (PINEY GROVE ROAD) TO NC
FORSYTH 150 (NORTH MAIN STREET) IN KERNERSVILLE.
PROJ.CATEGORY CONSTRUCT TWO-LANE DIVIDED FACILITY WITH
DIVISION BICYCLE / PEDESTRIAN ACCOMMODATIONS.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 9

* U-6004
FORSYTH
PROJ.CATEGORY
DIVISION

SR 1103 (LEWISVILLE- CLEMMONS ROAD), I-40 TO US 158 IN CLEMMONS. CONVERT ROADWAY TO 4-LANE MEDIAN DIVIDED FACILITY.

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

* U-6005
FORSYTH
PROJ.CATEGORY
DIVISION

NC 65 (BETHANIA-RURAL HALL ROAD), US 52 TO SR 3983 (NORTHRIDGE DRIVE) IN RURAL HALL. WIDEN TO MULTILANES.

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

DIVISION 10

I-5963
MECKLENBURG
PROJ.CATEGORY
STATEWIDE

I-485, I-485 AND NC 16 (PROVIDENCE ROAD). CONSTRUCT INTERCHANGE IMPROVEMENTS.

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

I-5973
MECKLENBURG
PROJ.CATEGORY
REGIONAL

I-485, I-485/NC 16 (BROOKSHIRE BOULEVARD). CONSTRUCT INTERCHANGE IMPROVEMENTS.

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

R-5798
ANSON
PROJ.CATEGORY
REGIONAL

US 74 (ANDREW JACKSON HIGHWAY), GRAHAM STREET TO SR 1749. CONSTRUCT MEDIAN.

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

U-4713A
MECKLENBURG
PROJ.CATEGORY
DIVISION

SR 3440 (MCKEE ROAD) EXTENSION, SR 3448 (PLEASANT PLAINS ROAD) TO SR 1009 (JOHN STREET)

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

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 10

U-5803 MECKLENBURG PROJ.CATEGORY DIVISION	CHARLOTTE, SR 2940 (EASTWAY DRIVE) AND SHAMROCK DRIVE. RECONFIGURE 5-LEG INTERSECTION TO THREE 2-LEG INTERSECTIONS. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
U-5931 UNION PROJ.CATEGORY STATEWIDE	US 74, INTERSECTION OF US 74 AND SECREST SHORTCUT ROAD. CONSTRUCT IMPROVEMENTS. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
U-5955 MECKLENBURG PROJ.CATEGORY REGIONAL	NC 16 (BROOKSHIRE BOULEVARD), I-85 TO IDAHO DRIVE. ADD WESTBOUND THROUGH LANE ON NC 16 BETWEEN A POINT WEST OF IDAHO DR AND I-85. IMPROVE I-85 NORTHBOUND RAMP TO EASTBOUND NC 16. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
U-5956 CABARRUS PROJ.CATEGORY REGIONAL	US 29, REALIGN UNION CEMETERY ROAD TO INTERSECT US 29 AT ROCK HILL CHURCH ROAD AND ELIMINATE THE CURRENT INTERSECTION OF UNION CEMETERY ROAD AND CABARRUS AVENUE BY CREATING A CUL-DE-SAC. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
U-5957 MECKLENBURG PROJ.CATEGORY REGIONAL	NC 27 (FREEDOM DRIVE), SR 1644 (TODDVILLE ROAD) TO SR 1600 (MOORES CHAPEL ROAD). WIDEN TO 4-LANES. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>
U-5979 UNION PROJ.CATEGORY REGIONAL	NC 16 (PROVIDENCE ROAD SOUTH), SR 1321 (CUTHBERTSON ROAD) IN WEDDINGTON TO SR 3530 (WAXHAW PARKWAY) IN WAXHAW. WIDEN TO MULTI-LANES. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u>

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 10

U-6028
MECKLENBURG
PROJ.CATEGORY
DIVISION

SR 2472 (MALLARD CREEK ROAD), SR 2833 (MALLARD CREEK CHURCH ROAD) TO BREEZEWOOD DRIVE. WIDEN TO FOUR-LANES.

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

U-6029
CABARRUS
MECKLENBURG
PROJ.CATEGORY
DIVISION

POPLAR TENT ROAD, DERITA ROAD TO NC 73. WIDEN TO FOUR-LANES.

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

U-6030
MECKLENBURG
PROJ.CATEGORY
DIVISION

SR 4979 (BALLANTYNE COMMONS PKWY), ANNALEXA LANE TO WILLIAMS POND LANE. WIDEN TO FOUR-LANES.

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

U-6031
UNION
PROJ.CATEGORY
DIVISION

SR 1009 (CHARLOTTE AVENUE), SEYMOUR STREET TO NC 200 (DICKERSON BOULEVARD). WIDEN TO FOUR-LANES DIVIDED.

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

U-6032
CABARRUS
MECKLENBURG
PROJ.CATEGORY
DIVISION

SR 2464 (ODELL SCHOOL ROAD), I-485 TO CONCORD MILLS BOULEVARD. WIDEN TO FOUR-LANES DIVIDED.

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

DIVISION 11

R-0616
WILKES
PROJ.CATEGORY
DIVISION

NEW ROUTE, WILKESBORO-NORTH WILKESBORO BYPASS, NC 18 TO US 421. CONSTRUCT MULTI-LANE FACILITY, PART ON NEW LOCATION.

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

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 11

R-2520A
AVERY
MITCHELL
PROJ.CATEGORY
DIVISION

US 19E, MULTI-LANES EAST OF SPRUCE PINE TO SR 1106
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-3430
CALDWELL
PROJ.CATEGORY
DIVISION

SR 1001 (CONNELLY SPRINGS ROAD), CATAWBA RIVER TO SR 1933 (SOUTH-WEST BOULEVARD) IN LENOIR. WIDEN TO MULTI-LANES.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5830
WATAUGA
PROJ.CATEGORY
DIVISION

SR 1522 (DEERFIELD ROAD), STATE FARM ROAD TO SR 1523 (WILSON RIDGE ROAD). UPGRADE ROADWAY.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5831
YADKIN
PROJ.CATEGORY
DIVISION

US 601, US 601 (CAROLINA AVENUE) AND NC 67 (MAIN STREET). UPGRADE INTERSECTION.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5832
ASHE
PROJ.CATEGORY
DIVISION

NC 88, NC 88 TO NC 194. UPGRADE ROADWAY.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

R-5833
ASHE
PROJ.CATEGORY
DIVISION

US 221 BUSINESS, US 221 BUSINESS (SOUTH JEFFERSON AVENUE), NC 194 AND SR 1248 (BEAVER CREEK SCHOOL ROAD). CONSTRUCT SUPERSTREET INTERSECTION.
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 11

R-5836
SURRY
PROJ.CATEGORY
DIVISION

US 601, I-74 TO SR 1104 (CODY TRAIL). WIDEN TO 4-LANES.

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

U-6033
CALDWELL
PROJ.CATEGORY
DIVISION

US 64 (NC 18), US 64 (NC 18) AND SR 1142 (CALICO ROAD). INTERSECTION IMPROVEMENTS.

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

U-6034
CALDWELL
PROJ.CATEGORY
DIVISION

US 321 ALT, SR 1109 (PINWOOD ROAD) TO SR 1106 (DUKE STREET). UPGRADE ROADWAY.

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

U-6035
CALDWELL
PROJ.CATEGORY
DIVISION

SR 1002 (DUDLEY SHOALS ROAD), SR 1002 (DUDLEY SHOALS ROAD) AND SR 1751 (GRACE CHAPEL ROAD/CAMPGROUND ROAD)/SR 1752 (PEACH ORCHARD ROAD). CONSTRUCT ROUNDABOUT.

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

U-6036
CALDWELL
PROJ.CATEGORY
DIVISION

SR 1109 (PINWOOD ROAD), US 321 TO SR 1931 (BERT HUFFMAN ROAD). UPGRADE ROADWAY.

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

DIVISION 12

I-5962
IREDELL
PROJ.CATEGORY
STATEWIDE

I-77, I-77 AT SR 1302 (CORNELIUS ROAD). CONVERT GRADE SEPARATION TO INTERCHANGE.

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

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 12

R-0617BB LINCOLN PROJ.CATEGORY REGIONAL	NC 150, WEST OF INDIAN CREEK TO US 321 AT LINCOLNTON. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5929 CLEVELAND PROJ.CATEGORY STATEWIDE	US 74 (DIXON BOULEVARD), INTERSECTION OF US 74 (DIXON BOULEVARD) AND NC 226 (EARL ROAD). CONSTRUCTION IMPROVEMENTS <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5959 GASTON PROJ.CATEGORY REGIONAL	US 74 (WILKINSON BOULEVARD), US 74 (WILKINSON BOULEVARD) AT NC 273 (PARK STREET). CONSTRUCT INTERSECTION IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5960 IREDELL PROJ.CATEGORY REGIONAL	NC 150 (OAK RIDGE FARM HIGHWAY), NC 115 TO NC 801 (PARK AVENUE). WIDEN TO 4-LANES. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5961 GASTON PROJ.CATEGORY REGIONAL	NC 274 (UNION ROAD), OSCEOLA STREET TO NIBLICK DRIVE. UPGRADE ROADWAY. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5962 LINCOLN PROJ.CATEGORY REGIONAL	NC 16 BUSINESS, NC 16 BUSINESS, SR 1373 (CAMPGROUND ROAD), SR 1386 (WILL PROCTOR ROAD). REALIGN OFFSET INTERSECTIONS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 12

U-5963 IREDELL PROJ.CATEGORY REGIONAL	NC 115 (MECKLENBURG HIGHWAY), SR 1135 (WATERLYNN ROAD) TO YELLOW WOOD DRIVE. INSTALL CLOSED LOOP SIGNAL SYSTEM. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5964 IREDELL PROJ.CATEGORY REGIONAL	US 64 (DAVIE AVENUE), US 64 (DAVIE AVENUE) AND US 21 (SULLIVAN ROAD). CONVERT 5-APPROACH INTERSECTION TO A SINGLE LANE ROUNDABOUT. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5965 GASTON PROJ.CATEGORY REGIONAL	US 29 (FRANKLIN BOULEVARD), US 29 (FRANKLIN BOULEVARD) AND NC 274. CONSTRUCT INTERSECTION IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-5970 GASTON PROJ.CATEGORY REGIONAL	US 321 (SOUTH YORK ROAD), 19TH AVENUE TO CLYDE. CONSTRUCT ACCESS MANAGEMENT IMPROVEMENTS. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-6037 IREDELL PROJ.CATEGORY DIVISION	US 21 (CHARLOTTE HIGHWAY), NC 150 (PLAZA DRIVE) TO SR 1245 (MEDICAL PARK ROAD). WIDEN TO 4-LANES DIVIDED. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>
U-6038 GASTON PROJ.CATEGORY DIVISION	US 74 (WILKINSON BOULEVARD), NC 7 (CATAWBA STREET) TO SR 2209 (WESLEYAN DRIVE). IMPLEMENT ADAPTIVE SIGNAL SYSTEM. <u><i>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</i></u>

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 12

U-6039
IREDELL
PROJ.CATEGORY
DIVISION

SR 2321 (EAST BROAD STREET), VINE STREET TO SR 2422 (SIGNAL HILL DRIVE). UPGRADE ROADWAY AND IMPLEMENT ACCESS MANAGEMENT SOLUTIONS.

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

U-6040
ALEXANDER
PROJ.CATEGORY
DIVISION

NC 127, NC 127 AND SR 1146 (BETHLEHEM SCHOOL ROAD). ADD RIGHT TURN LANE ON NC 127.

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

U-6041
ALEXANDER
PROJ.CATEGORY
DIVISION

US 64, US 64 AND SR 1124. ADD LEFT TURN LANE ON WESTBOUND US 64/NC 90

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

U-6042
CATAWBA
PROJ.CATEGORY
DIVISION

SR 1124, SR 1124 (33RD STREET SW) AND (34TH STREET NW). REALIGN INTERSECTION.

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

U-6043
GASTON
PROJ.CATEGORY
DIVISION

US 29 (FRANKLIN BOULEVARD), US 74, SR 2200 (COX ROAD) TO 400 FEET EAST OF LINEBERGER ROAD. ADD LANE IN THE EASTBOUND DIRECTION.

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

U-6044
GASTON
PROJ.CATEGORY
DIVISION

SR 2200 (COX ROAD), I-85 TO US 29/74. SELECTIVE WIDENING AND OPERATIONAL IMPROVEMENTS.

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

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 13

<p>* EB-5830 BUNCOMBE PROJ.CATEGORY DIVISION</p>	<p>ASHEVILLE, LEXINGTON AVENUE, PATTON AVENUE TO SOUTHSIDE AVENUE. IMPROVE BICYCLE AND PEDESTRIAN INFRASTRUCTURE. <u>PROJECT ADDED AT REQUEST OF MPO.</u></p>	<p>ENGINEERING FY 2018 - \$540,000 (STBGDA) FY 2018 - <u>\$135,000</u> (L) \$675,000</p>
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<p>* EB-5831 BUNCOMBE PROJ.CATEGORY DIVISION</p>	<p>ASHEVILLE, COXE AVENUE, PATTON AVENUE TO SHORT COXE AVENUE. IMPROVE BICYCLE AND PEDESTRIAN INFRASTRUCTURE. <u>PROJECT ADDED AT REQUEST OF MPO.</u></p>	<p>ENGINEERING FY 2018 - \$420,000 (STBGDA) FY 2018 - <u>\$105,000</u> (L) \$525,000</p>
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<p>I-5971 BURKE PROJ.CATEGORY STATEWIDE</p>	<p>I-40, SR 1761 (OLD HIGHWAY NC 10) - EXIT 116. UPGRADE INTERCHANGE AND REMOVE TWO-WAY TRAFFIC. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u></p>
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<p>I-5975 BURKE PROJ.CATEGORY REGIONAL</p>	<p>I-40, EXIT 112 - SR 1744 (MINERAL SPRINGS MOUNTAIN ROAD)/SR 1744 (ELDRED STREET SE). CONSTRUCT INTERCHANGE IMPROVEMENTS. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u></p>
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<p>R-5804 MITCHELL PROJ.CATEGORY REGIONAL</p>	<p>NC 226, BLUE RIDGE PARKWAY TO SR 1274 (SUMMIT AVENUE). WIDEN TO 3-LANES. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u></p>
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<p>R-5837 MADISON PROJ.CATEGORY DIVISION</p>	<p>US 25, US 25/70 BUSINESS (NORTH MAIN STREET) TO SR 1143 (BRUSH CREEK ROAD). WIDEN TO MULTI- LANES. <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT</u></p>
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* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 13

U-5971
BUNCOMBE
PROJ.CATEGORY
REGIONAL

US 19 (PATTON AVENUE) AND NC 63 (NEW LEICESTER HIGHWAY). CONSTRUCT INTERSECTION IMPROVEMENTS.

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

U-5972
BUNCOMBE
PROJ.CATEGORY
REGIONAL

NC 63 (NEW LEICESTER HIGHWAY), US 19/23 (PATTON AVENUE) TO NEWFOUND ROAD. CONSTRUCT ACCESS MANAGEMENT IMPROVEMENTS.

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

U-5973
BUNCOMBE
PROJ.CATEGORY
REGIONAL

US 19 BUSINESS (WEAVERVILLE HIGHWAY) AND SR 1740 (NEW STOCK ROAD). CONSTRUCT INTERSECTION IMPROVEMENTS.

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

U-5978
BURKE
PROJ.CATEGORY
REGIONAL

NC 181, SR 1440 TO SR 1419. WIDEN TO 3-LANES.

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

U-6046
BUNCOMBE
PROJ.CATEGORY
DIVISION

NC 81 (SWANNANOVA RIVER ROAD), US 70 (TUNNEL ROAD) TO US 74 (SOUTH TUNNEL ROAD). UPGRADE ROADWAY.

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

U-6047
BUNCOMBE
PROJ.CATEGORY
DIVISION

NC 112 (SARDIS ROAD/SANDHILL ROAD), NC 191 (BREVARD ROAD) TO US 19/23 (SMOKEY PARK HIGHWAY). WIDEN ROADWAY.

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

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 13

* U-6053	NEW ROUTE, CONSTRUCT ACCESS ROAD TO AVADIM	CONSTRUCTION	FY 2017 -	<u>\$1,000,000</u>	(APD)
BUNCOMBE	TECHNOLOGIES FACILITY NEAR THE INTERSECTION			\$1,000,000	
PROJ.CATEGORY	OF I-40 AND SR 2500 (NORTH BLUE RIDGE ROAD).				
EXEMPT	<u>ADD ECONOMIC DEVELOPMENT PROJECT.</u>				

DIVISION 14

R-2822B	NC 143, WEST BUFFALO CREEK TO NC 143 BUSINESS
GRAHAM	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
PROJ.CATEGORY	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
DIVISION	<u>PROJECT</u>

R-4751 SWAIN	US 19, SR 1152 (HUGHES BRANCH ROAD) IN BRYSON CITY TO SR 1195 (US 19A). MODERNIZE ROADWAY.
PROJ.CATEGORY	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
REGIONAL	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
	<u>PROJECT</u>

R-5803	US 74, END OF DIVIDED HIGHWAY IN CHEROKEE
CHEROKEE	COUNTY TO BEGINNING OF DIVIDED HIGHWAY IN
MACON	ALMOND. CONSTRUCT 5 FEET WIDE PAVED
SWAIN	SHOULDERS FOR ENTIRE LENGTH, CONSTRUCT
PROJ.CATEGORY	TRUCK CLIMBING LANES NEAR MILEMARKER 48, AND
REGIONAL	CONSTRUCT AUXILIARY LANES AT THE
	CHEROKEE/MACON COUNTY LINE.
	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
	<u>PROJECT</u>

R-5838	NC 108, I-26 TO US 176. WIDEN ROADWAY.
POLK	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
PROJ.CATEGORY	<u>STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI</u>
DIVISION	<u>PROJECT</u>

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 14

R-5839 NC 28 (FONTANA ROAD), NC 143 TO US 129. UPGRADE
GRAHAM ROADWAY.
SWAIN PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
DIVISION PROJECT

R-5840 NC 9, US 74 TO NC 108. ADD PAVED SHOULDERS.
POLK PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
DIVISION PROJECT

R-5841 NC 107, NC 281 TO SHOAL CREEK AT END OF
JACKSON CLIMBING LANE. WIDEN PAVEMENT TO 24 FEET WITH
PROJ.CATEGORY 5 FEET PAVED SHOULDERS.
DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

R-5843 SR 1321 (BRYSON WALK), SR 1336 (DEPOT STREET),
SWAIN SR 1323 (SLOPE STREET) TO SR 1336 (DEEP CREEK
PROJ.CATEGORY ROAD). IMPROVE INTERSECTIONS.
DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-4712 US 23 BUSINESS (SOUTH MAIN STREET), SR 1164
HAYWOOD (HYATT CREEK ROAD) TO US 276 (PIGEON STREET).
PROJ.CATEGORY WIDEN TO MULTI-LANES.
DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

U-6048 US 19, US 23, SR 1836 (CHESTNUT MOUNTAIN ROAD)
BUNCOMBE TO SR 1200 (WIGGINS ROAD). UPGRADE ROADWAY.
HAYWOOD PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
PROJ.CATEGORY STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
DIVISION PROJECT

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HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 14

U-6049 NC 225 (SOUTH MAIN STREET), SOUTH MAIN STREET
 HENDERSON AT SOUTH KING STREET TO US 176. WIDEN BRIDGE
 PROJ.CATEGORY 143 TO 5-LANES.
 DIVISION PROGRAMMED FOR PLANNING AND ENVIRONMENTAL
STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI
PROJECT

STIP MODIFICATIONS

DIVISION 1

R-4467 PERQUIMANS PROJ.CATEGORY REGIONAL	US 17 BUSINESS/ NC 37, EAST OF PERQUIMANS RIVER BRIDGE TO NC 37 IN HERTFORD. REPLACE BRIDGE 710008. <u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 18</u> <u>TO CONVERT PROJECT TO DESIGN BUILD CONTRACT.</u>	RIGHT-OF-WAY	FY 2018 -	\$900,000	(T)
		UTILITIES	FY 2018 -	\$130,000	(T)
		CONSTRUCTION	FY 2018 -	\$6,000,000	(T)
			FY 2019 -	\$6,000,000	(T)
			FY 2020 -	\$6,000,000	(T)
				\$19,030,000	

DIVISION 4

* C-5616 EDGEcombe NASH PROJ.CATEGORY EXEMPT	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND AIR QUALITY IN THE ROCKY MOUNT MPO. <u>ADD ENGINEERING AND RIGHT-OF-WAY IN FY 17 NOT</u> <u>PREVIOUSLY PROGRAMMED, AT REQUEST OF</u> <u>TRANSPORTATION PLANNING BRANCH.</u>	ENGINEERING	FY 2017 -	\$200,000	(CMAQ)
			FY 2017 -	\$50,000	(L)
		RIGHT-OF-WAY	FY 2017 -	\$123,000	(CMAQ)
			FY 2017 -	\$31,000	(L)
		CONSTRUCTION	FY 2017 -	\$542,000	(CMAQ)
			FY 2017 -	\$136,000	(L)
				\$1,082,000	

DIVISION 5

B-5322 PERSON PROJ.CATEGORY HWY FUNDS	SR 1343 (JOHN BREWER ROAD), REPLACE BRIDGE 720051 OVER RICHLAND CREEK. <u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE</u> <u>ENVIRONMENTAL DOCUMENT, DELAY RIGHT-OF-WAY</u> <u>FROM FY 17 TO FY 18 AND CONSTRUCTION FROM FY</u> <u>18 TO FY 19</u>	RIGHT-OF-WAY	FY 2018 -	\$135,000	(HFB)
		CONSTRUCTION	FY 2019 -	\$1,350,000	(HFB)
				\$1,485,000	

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 5

* C-5604	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	ENGINEERING	FY 2017 -	\$126,000	(CMAQ)
FRANKLIN	AIR QUALITY IN THE CAPITAL AREA MPO.		FY 2017 -	\$32,000	(L)
GRANVILLE	<u>ADD ENGINEERING AND RIGHT-OF-WAY IN FY 17 NOT</u>	RIGHT-OF-WAY	FY 2017 -	\$752,000	(CMAQ)
JOHNSTON	<u>PREVIOUSLY PROGRAMMED, AT REQUEST OF</u>		FY 2017 -	\$188,000	(L)
WAKE	<u>TRANSPORTATION PLANNING BRANCH.</u>	CONSTRUCTION	FY 2017 -	\$10,027,000	(CMAQ)
PROJ.CATEGORY			FY 2017 -	\$2,507,000	(L)
EXEMPT				\$13,632,000	

* C-5605	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	ENGINEERING	FY 2017 -	\$17,000	(CMAQ)
CHATHAM	AIR QUALITY IN THE DURHAM / CHAPEL HILL /		FY 2017 -	\$4,000	(L)
DURHAM	CARRBORO MPO.	RIGHT-OF-WAY	FY 2017 -	\$6,000	(CMAQ)
ORANGE	<u>ADD ENGINEERING, RIGHT-OF-WAY, AND</u>		FY 2017 -	\$1,000	(L)
PROJ.CATEGORY	<u>IMPLEMENTATION IN FY 17 NOT PREVIOUSLY</u>	CONSTRUCTION	FY 2017 -	\$190,000	(CMAQ)
EXEMPT	<u>PROGRAMMED, AT REQUEST OF TRANSPORTATION</u>		FY 2017 -	\$48,000	(L)
	<u>PLANNING BRANCH.</u>	IMPLEMENTATIO	FY 2017 -	\$2,240,000	(CMAQ)
			FY 2017 -	\$560,000	(L)
				\$3,066,000	

* C-5610	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	ENGINEERING	FY 2017 -	\$36,000	(CMAQ)
FRANKLIN	AIR QUALITY IN THE KERR-TAR RPO.		FY 2017 -	\$9,000	(L)
GRANVILLE	<u>ADD ENGINEERING AND RIGHT-OF-WAY IN FY 17 NOT</u>	RIGHT-OF-WAY	FY 2017 -	\$20,000	(CMAQ)
PERSON	<u>PREVIOUSLY PROGRAMMED, AT REQUEST OF</u>		FY 2017 -	\$5,000	(L)
PROJ.CATEGORY	<u>TRANSPORTATION PLANNING BRANCH.</u>	CONSTRUCTION	FY 2017 -	\$995,000	(CMAQ)
EXEMPT			FY 2017 -	\$249,000	(L)
				\$1,314,000	

U-5749	NC 55 BYPASS, NC 55 (EAST WILLIAMS STREET) IN	RIGHT-OF-WAY	FY 2017 -	\$45,000	(T)
WAKE	HOLLY SPRINGS. INTERSECTION IMPROVEMENTS.	CONSTRUCTION	FY 2017 -	\$1,260,000	(T)
PROJ.CATEGORY	<u>ACCELERATE CONSTRUCTION FROM FY 18 TO FY 17</u>			\$1,305,000	
REGIONAL	<u>AT THE REQUEST OF THE DIVISION OFFICE.</u>				

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 7

C-5179	SR 1750 (NORTH ESTES DRIVE)-	RIGHT-OF-WAY	FY 2017 -	\$240,000	(CMAQ)
ORANGE			FY 2017 -	\$60,000	(L)
PROJ.CATEGORY	NC 86 (MARTIN LUTHER KING, JR. BOULEVARD) TO	CONSTRUCTION	FY 2017 -	\$1,630,000	(CMAQ)
EXEMPT	CASWELL DRIVE IN CHAPEL HILL. CONSTRUCT FIVE		FY 2017 -	\$408,000	(L)
	FOOT SIDEWALKS AND FIVE FOOT BIKE LANES.			\$2,338,000	
	NC 86 (MARTIN LUTHER KING, JR. BOULEVARD) TO				
	ELLIOTT ROAD IN CHAPEL HILL. CONSTRUCT TEN				
	FOOT MULTIUSE PATH.				
	NC 86 (MARTIN LUTHER KING, JR. BOULEVARD) IN				
	CHAPEL HILL. INTERSECTION IMPROVEMENTS.				
	<u>REVISE SCOPE TO INCLUDE INTERSECTION</u>				
	<u>IMPROVEMENTS, AND DELAY RIGHT-OF-WAY FROM</u>				
	<u>FY 16 TO FY 17 TO REFLECT CURRENT TOWN</u>				
	<u>DELIVERY SCHEDULE.</u>				
* C-5602	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	IMPLEMENTATIO	FY 2017 -	\$84,000	(CMAQ)
GUILFORD	AIR QUALITY IN THE BURLINGTON-GRAHAM MPO.		FY 2017 -	\$21,000	(L)
ORANGE	<u>ADD IMPLEMENTATION AND OPERATIONS IN FY 17</u>	OPERATIONS	FY 2017 -	\$80,000	(CMAQ)
PROJ.CATEGORY	<u>NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF</u>		FY 2017 -	\$20,000	(L)
EXEMPT	<u>TRANSPORTATION PLANNING BRANCH.</u>			\$205,000	
* C-5607	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	CONSTRUCTION	FY 2017 -	\$396,000	(CMAQ)
GUILFORD	AIR QUALITY IN THE GREENSBORO URBAN AREA MPO.		FY 2017 -	\$99,000	(L)
PROJ.CATEGORY	<u>ADD IMPLEMENTATION IN FY 17 NOT PREVIOUSLY</u>	IMPLEMENTATIO	FY 2017 -	\$3,271,000	(CMAQ)
EXEMPT	<u>PROGRAMMED, AT REQUEST OF TRANSPORTATION</u>		FY 2017 -	\$818,000	(L)
	<u>PLANNING BRANCH.</u>			\$4,584,000	
* EB-5518	LATHAM PARK GREENWAY, BATTLEGROUND AVENUE	RIGHT-OF-WAY	FY 2017 -	\$20,000	(TAP)
GUILFORD	TO MENDENHALL STREET IN GREENSBORO. REMOVE	CONSTRUCTION	FY 2017 -	\$350,000	(TAP)
PROJ.CATEGORY	THROUGH LANE ON HILL STREET AND CONSTRUCT			\$370,000	
TRANSITION	MULTIUSE PATH.				
	<u>ADD RIGHT-OF-WAY IN FY 17 AND CONSTRUCTION IN</u>				
	<u>FY 17 NOT PREVIOUSLY PROGRAMMED AT THE</u>				
	<u>REQUEST OF THE MPO.</u>				

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 8

* C-5618	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	CONSTRUCTION	FY 2017 -	\$4,000	(CMAQ)
CHATHAM	AIR QUALITY IN THE TRIANGLE AREA RPO.		FY 2017 -	\$1,000	(L)
ORANGE	<u>ADD IMPLEMENTATION AND OPERATIONS IN FY 17</u>	IMPLEMENTATIO	FY 2017 -	\$180,000	(CMAQ)
PROJ.CATEGORY	<u>NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF</u>		FY 2017 -	\$45,000	(L)
EXEMPT	<u>TRANSPORTATION PLANNING BRANCH.</u>	OPERATIONS	FY 2017 -	\$250,000	(CMAQ)
			FY 2017 -	\$62,000	(L)
				\$542,000	

DIVISION 9

* C-5609	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	CONSTRUCTION	FY 2017 -	\$1,239,000	(CMAQ)
DAVIDSON	AIR QUALITY IN THE HIGH POINT MPO.		FY 2017 -	\$310,000	(L)
FORSYTH	<u>ADD IMPLEMENTATION AND OPERATIONS IN FY 17</u>	IMPLEMENTATIO	FY 2017 -	\$459,000	(CMAQ)
GUILFORD	<u>NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF</u>		FY 2017 -	\$115,000	(L)
PROJ.CATEGORY	<u>TRANSPORTATION PLANNING BRANCH.</u>	OPERATIONS	FY 2017 -	\$780,000	(CMAQ)
EXEMPT			FY 2017 -	\$195,000	(L)
				\$3,098,000	

* C-5620	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	CONSTRUCTION	FY 2017 -	\$3,359,000	(CMAQ)
DAVIDSON	AIR QUALITY IN THE WINSTON-SALEM URBAN AREA		FY 2017 -	\$840,000	(L)
DAVIE	MPO.	IMPLEMENTATIO	FY 2017 -	\$372,000	(CMAQ)
FORSYTH	<u>ADD IMPLEMENTATION IN FY 17 NOT PREVIOUSLY</u>		FY 2017 -	\$93,000	(L)
PROJ.CATEGORY	<u>PROGRAMMED, AT REQUEST OF TRANSPORTATION</u>			\$4,664,000	
EXEMPT	<u>PLANNING BRANCH.</u>				

I-5740A	I-85, REHABILITATE BRIDGE 280181 AND BRIDGE	CONSTRUCTION	FY 2017 -	\$1,100,000	(NHPIM)
DAVIDSON	280182.			\$1,100,000	
PROJ.CATEGORY	<u>CREATE NEW PROJECT BREAK FOR SEPARATE</u>				
STATEWIDE	<u>LETTING OF BRIDGE WORK, AT REQUEST OF</u>				
	<u>DIVISION.</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, February 02, 2017

HIGHWAY PROGRAM STIP MODIFICATIONS

DIVISION 9

* I-5880	I-40 / US 311, NC 109 (THOMASVILLE ROAD) /	RIGHT-OF-WAY	FY 2020 -	\$1,500,000	(NHP)
FORSYTH	CLEMMONSVILLE ROAD SPLIT-DIAMOND	UTILITIES	FY 2020 -	\$200,000	(NHP)
PROJ.CATEGORY	INTERCHANGE IN WINSTON-SALEM. CONVERT HALF	CONSTRUCTION	FY 2022 -	\$6,150,000	(NHP)
REGIONAL	DIAMOND INTERCHANGE AT NC 109 TO FULL		FY 2023 -	\$6,150,000	(NHP)
	DIAMOND, AND REMOVE CONNECTOR ROADS AND			\$14,000,000	
	HALF DIAMOND INTERCHANGE AT CLEMMONSVILLE				
	ROAD				
	<u><i>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS: DELAY CONSTRUCTION FROM FY 21 TO FY 22 TO ALLOW ADDITIONAL TIME FOR RIGHT OF WAY AND TO ASSIST IN BALANCING FUNDS.</i></u>				

DIVISION 10

* C-5603	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	ENGINEERING	FY 2017 -	\$138,000	(CMAQ)
CABARRUS	AIR QUALITY IN THE CABARRUS-ROWAN MPO.		FY 2017 -	\$35,000	(L)
ROWAN	<u><i>ADD ENGINEERING AND RIGHT-OF-WAY IN FY 17 NOT</i></u>	RIGHT-OF-WAY	FY 2017 -	\$150,000	(CMAQ)
PROJ.CATEGORY	<u><i>PREVIOUSLY PROGRAMMED, AT REQUEST OF</i></u>		FY 2017 -	\$38,000	(L)
EXEMPT	<u><i>TRANSPORTATION PLANNING BRANCH.</i></u>	CONSTRUCTION	FY 2017 -	\$2,863,000	(CMAQ)
			FY 2017 -	\$716,000	(L)
				\$3,940,000	

U-5114	HUNTERSVILLE, INTERSECTION OF US 21 AND GILEAD	CONSTRUCTION	FY 2019 -	\$3,850,000	(BA)
MECKLENBURG	ROAD IN HUNTERSVILLE. CONSTRUCT		FY 2019 -	\$6,650,000	(T)
PROJ.CATEGORY	INTERSECTION IMPROVEMENTS, INCLUDING BICYCLE			\$10,500,000	
TRANSITION	AND PEDESTRIAN ACCOMMODATIONS.				
	<u><i>PROJECT IS BEING COMBINED WITH I-5714. TO ALIGN SCHEDULES, DELAY CONSTRUCTION FROM FY 18 TO FY 19</i></u>				

* U-5805	SR 1009 (MONROE ROAD), INTERSECTION OF SR 1009	RIGHT-OF-WAY	FY 2019 -	\$750,000	(T)
MECKLENBURG	(MONROE ROAD) AND RAMA ROAD/IDLEWILD ROAD.	CONSTRUCTION	FY 2021 -	\$2,650,000	(T)
PROJ.CATEGORY	CONSTRUCT INTERSECTION IMPROVEMENTS.			\$3,400,000	
DIVISION	<u><i>ADD RIGHT-OF-WAY IN FY 19 NOT PREVIOUSLY PROGRAMMED.</i></u>				

DIVISION 12

* C-5606	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	ENGINEERING	FY 2017 -	\$175,000	(CMAQ)
CLEVELAND	AIR QUALITY IN THE GASTON-CLEVELAND-LINCOLN		FY 2017 -	\$44,000	(L)
GASTON	MPO.	RIGHT-OF-WAY	FY 2017 -	\$27,000	(CMAQ)
LINCOLN	<u><i>ADD ENGINEERING, RIGHT-OF-WAY,</i></u>		FY 2017 -	\$7,000	(L)
PROJ.CATEGORY	<u><i>IMPLEMENTATION, AND OPERATIONS IN FY 17 NOT</i></u>	CONSTRUCTION	FY 2017 -	\$2,497,000	(CMAQ)
EXEMPT	<u><i>PREVIOUSLY PROGRAMMED, AT REQUEST OF</i></u>		FY 2017 -	\$624,000	(L)
	<u><i>TRANSPORTATION PLANNING BRANCH.</i></u>	IMPLEMENTATIO	FY 2017 -	\$71,000	(CMAQ)
			FY 2017 -	\$18,000	(L)
		OPERATIONS	FY 2017 -	\$71,000	(CMAQ)
			FY 2017 -	\$18,000	(L)
				\$3,552,000	

* INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM STIP MODIFICATIONS

STATEWIDE

* C-5600	VARIOUS, STATEWIDE CMAQ PROJECTS TO IMPROVE	ENGINEERING	FY 2017 -	\$3,405,000	(CMAQ)
STATEWIDE	AIR QUALITY WITHIN NONATTAINMENT AND		FY 2017 -	\$851,000	(S(M))
PROJ.CATEGORY	MAINTENANCE AREAS.	RIGHT-OF-WAY	FY 2017 -	\$1,989,000	(CMAQ)
EXEMPT	<u>ADD ENGINEERING, RIGHT OF WAY, AND</u>		FY 2017 -	\$497,000	(S(M))
	<u>IMPLEMENTATION IN FY 17 NOT PREVIOUSLY</u>	CONSTRUCTION	FY 2017 -	\$23,127,000	(CMAQ)
	<u>PROGRAMMED, AT REQUEST OF TRANSPORTATION</u>		FY 2017 -	\$5,782,000	(S(M))
	<u>PLANNING BRANCH.</u>	IMPLEMENTATIO	FY 2017 -	\$2,400,000	(CMAQ)
			FY 2017 -	\$600,000	(S(M))
				\$38,651,000	
* C-5601	VARIOUS, CMAQ PROJECTS TO IMPROVE AIR QUALITY	OTHER	FY 2017 -	\$4,494,000	(CMAQ)
STATEWIDE	ACROSS MULTIPLE NONATTAINMENT AND		FY 2017 -	\$1,124,000	(L)
PROJ.CATEGORY	MAINTENANCE AREAS.			\$5,618,000	
EXEMPT	<u>ADD OTHER-CATEGORY FUNDING IN FY 17 NOT</u>				
	<u>PREVIOUSLY PROGRAMMED, AT REQUEST OF</u>				
	<u>TRANSPORTATION PLANNING BRANCH.</u>				

STIP DELETIONS

DIVISION 10

* EB-5780	CHARLOTTE, MALLARD CREEK GREENWAY	RIGHT-OF-WAY	FY 2017 -	\$51,000	(STBGDA)
MECKLENBURG	CONNECTOR TO CATS PARK AND RIDE IN		FY 2017 -	\$13,000	(L)
PROJ.CATEGORY	CHARLOTTE. CONSTRUCT GREENWAY.	CONSTRUCTION	FY 2017 -	\$81,000	(STBGDA)
DIVISION	<u>DELETE AT THE REQUEST OF MPO.</u>		FY 2017 -	\$20,000	(L)
				\$165,000	

ITEM N SUMMARY

ADDITION S	224	PROJECTS	\$9,595,000
MODIFICATION S	22	PROJECTS	
DELETION S	1	PROJECTS	\$165,000
	247	PROJECTS	\$9,430,000

* INDICATES FEDERAL AMENDMENT

Thursday, February 02, 2017

NCDOT February 2, 2017 Board of Transportation Agenda

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

Statewide

North Carolina Department of
Information Technology

This Interagency Agreement is to establish a management system between the Department of Information Technology and NCDOT regarding the identification, delivery, utilization, and classification of all data files and web services ("Data Files") supplied to the State Government Data Analytics Center. The Data Files are for the purpose of supporting the publicly available Governmental Budget Transparency Online initiative.

North Carolina Department of
Revenue

This Interagency Agreement is to provide the North Carolina Department of Revenue (NCDOR) access to products and services under the NCDOT's Information Technology Service Management (ITSM) contract with Service Now/Carahsoft to implement and use ITSM. The NCDOR will use the pricing for products and services outlined in the NCDOT's ITSM contract. The NCDOR shall provide payment for one hundred percent (100%) of the cost of the products and services use under the NCDOT's ITSM contract. The estimated amount is \$450,000.

Division 1

Eastern Federal Lands Highway
Division (EFLHD)
Dare County
Hyde County
F-5702
44973

This Project consists of resurfacing of parking areas on Hatteras Island at the Graveyard of the Atlantic Museum, construction for dock improvements, and purchase of a passenger ferry if recommended by the NCDOT feasibility study to improve public transportation on Ocracoke Island, funded by \$5,470,288 in Federal Lands Access Program (FLAP) funds. The Department shall provide the non-federal match of \$1,284,841.90 and all cost that exceeds the total estimated Project cost of \$6,755,129.90.

Division 2

Pamlico County Water System
Pamlico County
B-4598
38426.3.1

This Project consists of replacement of Bridge 16 over Mason Creek on SR 1324 (Florence Road). At the request of the County the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate County-owned water lines and for the installation of owner supplied fire hydrants. The County shall reimburse the Department 100% of the actual cost of said betterment work only. The estimated reimbursement from the County is \$4,000.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 3

North Carolina Ports Authority
New Hanover County
46393.1.9

This Agreement covers the initiation of a Feasibility Study to investigate the costs and impacts of improvements at the Port of Wilmington. This Study will accommodate increased rail traffic due to the construction of the Queen City Express Intermodal Service and the Central Carolina Connector (CCX) intermodal facility in Rocky Mount. The Feasibility Study will be prepared by the Department, with input from the Authority and other stakeholders. The Authority will participate in the cost of the Study in the amount of \$50,000. The estimated cost of the study is \$250,000.

Division 4

Carolina Coastal Railway, Inc.
(CLNA)
Nash County
8000.3.3.13

This Agreement covers the approval of State Freight Rail and Rail Crossing Safety Improvement (FRRCSI) funds to assist CLNA with the construction of a 4,200 foot siding around milepost ABA 131.2, which will allow the building of 90-car unit trains for Perdue Feed Mill in Nashville. CLNA will perform the work. The Department will participate in the total cost of the project up to \$150,000. The estimated cost of the project is \$513,056.

Division 5

Town of Fuquay Varina
Wake County
50138.3.94

This Project consists of the construction of turn lanes at the intersection of SR 1301 (Sunset Lake Road) at SR 1393 (Bass Lake Road/Hilltop Needmore Road). The estimated cost of the work is \$505,000. The Department shall participate in the costs up to \$505,000. The Municipality will participate in actual costs that exceed \$505,000, up to an amount of \$150,000.

CSX Transportation (CSXT)
Wake County
44403

This Agreement provides for the sale of CSXT property located at the Department's Capital Yard maintenance facility and Rail Division offices at 862 Capital Boulevard, Raleigh, NC. The sale shall be by Quitclaim Deed from CSXT to the State. This conveyance shall be in conjunction with the Capital Yard Lead Track Project being undertaken by both Parties and shall not otherwise result in cost to the Department. The sale shall only occur upon completion and acceptance of the Capital Yard Lead Track Project, scheduled for June 2018.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 6

City of Fayetteville
Cumberland County
U-5528 FD
50078.3.6

This Project consists of the construction of a greenway that will connect at River Trail to Linear Park in Fayetteville. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of approved eligible costs from the Transportation Alternatives Program funds allocation, not to exceed \$161,392. The Municipality will be responsible for providing the 20% (\$40,348) non-federal match for the funds authorized and all costs that exceed the total available funding.

Aberdeen and Rockfish Railroad
(AR)
Cumberland and Hoke Counties
80000.2.3.32

This Agreement covers the approval of State Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds to assist AR with the installation of new crossties between mileposts R 0.0 and R 2.1 in Cumberland County, and milepost ML 28.1 to ML 34.0 in both Cumberland and Hoke Counties. The work will also include the construction of an 800 foot siding at milepost 22.25 in Hoke County. AR will perform the work. The Department will participate in the cost of the project to the extent of 50% or up to \$196,797.25, whichever is less, of the total estimated cost of the project. The estimated cost of the project is \$393,594.50.

Division 7

Town of Chapel Hill
Orange County
C-5179
46240.1.F1
46240.2.F1
46240.3.F1

This Project consists of the construction of sidewalk and bicycle lanes along Estes Drive from Martin Luther King Jr. Boulevard to Caswell Drive and the construction of a multi-use path on the north side of Estes Drive from Martin Luther King Jr. Boulevard through the Estes Drive Elementary site to Elliot Road in Chapel Hill. The Municipality is responsible for all phases of the Project. This Supplemental Agreement is to expand the scope of the Project to include the construction of intersection improvements at Martin Luther King Jr. Boulevard to include additional turn lanes.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 7, cont.

City of Greensboro
Guilford County
U-5532E
46297.3.6

This Project consists of construction and construction administration for the following sidewalks in Greensboro: Big Tree Way, Wendover Avenue to Elkhound Trail; Shelby Drive, Big Tree Way to Edith Lane; Hewitt Street, Norwalk Street to Merritt Drive; and Bridford Parkway and Hornaday Road, Wendover Avenue to existing west of Nicholas Road in Greensboro. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of approved eligible costs from the STP-DA funds allocation, not to exceed \$1,510,476. The Municipality will be responsible for providing the 20% (\$377,619) non-federal match for the funds authorized and all costs that exceed the total available funding.

City of Greensboro
Guilford County
B-5345
46059.3.1

This Project consists of replacement of Bridge No. 456 over Brush Creek on SR 2136 (Fleming Road) in Greensboro. At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$176,860.

Division 8

City of Laurinburg
Scotland County
B-5746
45702.3.1

This Project consists of replacement of Bridge No. 43 over Leith's Creek on SR 1645 (Dixie Guano Road) in Laurinburg. At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$29,976.

Town of Southern Pines
Moore County
B-5758
45714.3.1

This Project consists of the replacement of Bridge No. 13 Over Aberdeen Creek on SR 1102 (Addor Road) in Southern Pines. At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$4,040.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 9

City of Winston-Salem
Forsyth County
45866

This Project consists of relocating existing City traffic signal cabinets in the Downtown area from metal poles to concrete bases in Winston-Salem. The Municipality shall be responsible for all phases of the Project. The Department shall participate in the actual costs of the Project in an amount not to exceed \$250,000. Costs that exceed this amount shall be borne by the Municipality.

Division 10

City of Monroe
Union County
Z-5700JB
44803

This Agreement covers the installation of warning devices and associated roadway safety improvements at the municipal highway-railway grade crossing of Secrest Avenue; Crossing # 631578J, milepost SF-303.07. The Department will coordinate with the railroad for the warning devices, and the municipality will be responsible for the roadway work. The Department will be responsible for 90% of the cost of the work, and the Municipality will be responsible for 10% of the cost of the work. Estimated cost of the work is \$250,000.

City of Charlotte
Mecklenburg County
32213

This Agreement covers the initiation of an Environmental Study for progressing a track realignment of the Aberdeen Carolina & Western Railway in the Municipality. The Municipality shall reimburse the Department 100% of the actual cost of the study. The estimated cost of the study is \$300,000.

Town of Cornelius
Mecklenburg County
EB-5777
46420.2.1
46420.3.1

This Project consists of the construction of a 1.6 mile paved trail from Catawba Avenue to Westmoreland Road. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of approved eligible expenses from STBGDA funds allocation, not to exceed \$1,400,000. The Municipality shall be responsible for providing the 20% (\$350,000) non-federal match and all costs that exceed the total estimated cost of \$1,750,000.

City of Monroe
Union County
U-5703
50129.3.1

This Project consists of reconfiguration of the intersection of Roosevelt Boulevard (US 74) and Rocky River Road (SR 1514) to a superstreet and will include realigning James Hamilton Road to intersect with Rocky River Road (SR 1514) at Myers Road. The Department is responsible for all phases of the Project. The Municipality shall participate in the costs of the project in the amount of \$250,000. The estimated cost of the project is \$2,400,000.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 10, cont.

Town of Harrisburg
Cabarrus County
44833

This Project consists of the realignment of Saddle Creek Court at NC 49 and the installation of a traffic signal at the intersection of NC 49 and Saddle Creek Court. The Department is responsible for all phases of the project. The Municipality shall participate in the project costs in the amount of \$52,000. The estimated cost of the project is \$552,000.

City of Charlotte
Mecklenburg County
I-5405C
45454.1.9
45454.3.10

This Project consists of the implementation of an express bus service and a marketing campaign to mitigate traffic congestion due to I-77 reconstruction. The Charlotte Area Transit Service (CATS) will be responsible for all phases of the project. The total estimated Project cost is \$1,374,000, funded by \$1,099,200 in State Transportation Block Grant (STBG) Funds. The Department shall provide the non-federal match of \$274,800.

City of Charlotte
Mecklenburg County
C-5533
45506.1.F1
45506.2.F1
45506.3.1

This Project consists of the construction of a roundabout at Shopton and Beam Roads. This Supplemental Agreement is to provide an additional \$684,000 in STBGDA funding with the Municipality providing a match of \$171,000. The Agreement will also extend the completion date to 6/11/2019 in lieu of 7/31/2016.

Division 11

City of Lenoir
Caldwell County
R-5745
50200.1.1
50200.3.1

This Project consists of intersection improvements at the intersection of US 64/NC 90/NC 18 (Wilkesboro Boulevard) and US 64/NC 90 (Taylorsville Road) in Lenoir. At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$54,294.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 12

County of Catawba
R-3100 A/B
34522.3.5

This Project consists of NC 16 from north of SR 1814 (Caldwell Road) to SR 1895 (Tower Road), combined with R-3100B; and NC 16 from north of SR 1801 (Claremont Road) to north of SR 1814 (Caldwell Road), combined with R-3100A). At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$1,413,737. This agenda item supersedes the item that was approved by the BOT on January 5, 2017.

City of Newton
Catawba County
R-3100 A/B
34522.3.5

This Project consists of NC 16 from north of SR 1814 (Caldwell Road) to SR 1895 (Tower Road), combined with R-3100B; and NC 16 from north of SR 1801 (Claremont Road) to north of SR 1814 (Caldwell Road), combined with R-3100A). At the request of the Municipality, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$3,765,078.

City of Hickory
Catawba County
B-5549
55047.1.1
55047.2.1
55047.3.1

This Project consists of the replacement of Bridge No. 327 located on Falling Creek Road over Falling Creek in Hickory. This Supplemental Agreement is to provide additional funding in the amount of \$579,200 from Municipal Bridge Program funds. The Municipality shall provide \$144,800 as the non-federal match. This agenda item supersedes the item that was approved by the BOT on August 4, 2016.

Division 13

City of Asheville
Buncombe County
I-5501
46292.3.1

This Project consists of roadway improvements at the I-26/NC 280 Interchange in Asheville. At the request of the Municipality, the Department shall include in the construction contract for the contractor to adjust and relocate the municipal water lines. This Supplemental Agreement is for the Municipality to reimburse the Department an additional \$39,265.90. The Municipality's total participation in the Project is \$342,945.90.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 14

NC Wildlife Resources
Commission
Transylvania County
B-4823
38593.1.2

This Project consists of the replacement of Bridge #12 on Hogsed Creek on SR 1538. The Department agrees to provide \$15,000 to the Commission to be used by the Commission for the Appalachian Elktoe Propagation Program.

NCDOT February 2, 2017 Board of Transportation Agenda

SUMMARY: There are a total of 35 agreements for informational purposes only.

Division 1

Martin County Board of
Education
Martin County
36249.3644

This Project consists of asphalt pavement maintenance at Riverside High School, South Creek High School and Williamston Primary School. The County's original participation amount was \$90,000. This Supplemental Agreement is for the Grading, addition of aggregate base course and paving of the existing bus parking lot at Williamston Primary School. The County shall reimburse the Department one 100% of the actual cost of the work performed by the Department. The estimated reimbursement is \$48,000.

Division 3

Town of Newton Grove
Sampson County
46305.3.23

This Project consists of Landscape planting of plant beds on the Newton Grove Roundabout at US 13, US 701 and US 50. The Department shall develop the landscape design, prepare plans and site and install the plantings. The Municipality shall assume maintenance of the plantings after one year.

Bailey and Associates, Inc.
Onslow County
36249.3720

This Project consists of review and inspection of a traffic signal upgrade at the intersection at NC 24 (West Corbett Avenue) and SR 1514 (Phillips Loop Road). The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

County of Onslow
36249.3722

This Project consists of signal installation at NC 210 and Ridgefield Avenue (non-system) for Onslow County Schools in Sneads Ferry. The Department shall be responsible for all phases of the Project. The County shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement from the County is \$179,186.47.

City of Jacksonville
Onslow County
36249.3721

This Project consists of review and inspection of (11) eleven traffic signal modifications at various intersection within the Municipality. The Municipality shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$20,000.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 3, cont.

Town of Leland
Brunswick County
36249.3724

This Project consists of review and inspection of a traffic signal installation at the intersection at SR 1472 (Village Road) at Northgate Drive (non-system) and Baldwin Drive (non-system) in Leland. The Municipality shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

Town of Wallace
Duplin County
36249.3739

This Project consists of review and inspection of a traffic signal installation at the intersection at NC 41/SR 1163 (North Teachey Road) and NC 41/SR 1173. The Municipality shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$600.

M. M. Fowler, Inc.
New Hanover County
36249.3726

This Project consists of review and inspection of a traffic signal upgrade at the intersection at US 17 Business (Market Street) and 10th Street (non-system). The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

Live Oak Development
Company
New Hanover County
36249.3727

This Project consists of review and inspection of a traffic signal upgrade at the intersection at US 421 (Carolina Beach Road) and SR 1209 (Independence Boulevard). The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$10,000.

City of Wilmington
New Hanover County
36249.3723

This Project consists of review and inspection of a traffic signal upgrade at the intersection at NC 132 (South College Road) at SR 1736 (Pine Valley Drive). The Municipality shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$2,500.

City of Wrightsville Beach
New Hanover County
36249.3735

This Project consists of milling and resurfacing on West Salisbury Street in each of 2 parking areas (identified as North and South). The Municipality shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement from the Municipality is \$42,000.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 3, cont.

New Hanover County
36249.3738

This Project consists of design, fabrication, and installation of a new Welcome to New Hanover County sign on I-40 East of Holly Shelter Road Exit 414. The County shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$3,900.

Division 4

Lidl US, LLC
Wayne County
36249.3728

This Project consists of review and inspection of a traffic signal upgrade at the intersection of SR 1556 (Wayne Memorial Drive). The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

Town of Smithfield
Johnston County
36249.3734

This Project consists of review and inspection of the traffic signal conversions, at various locations, to provide generator power during outages. The Municipality shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$2,500.

Division 5

Mangum Development, LLC
Wake County
36249.3729

This Project consists of the installation of a new traffic signal on Cary Parkway at Proposed Tesoro Site Driveway/Parkway Office Court in Cary. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

Mangum Development, LLC
Wake County
36249.3730

This Project consists of signal upgrades at Kildaire Farm Road at Wake Medical Drive; Kildaire Farm Road at Tryon Road; and Kildaire Farm Road at Advent Court in Cary. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$10,000.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 5, cont.

University Properties II, LLC
Durham County
36249.3706

This Project consists of the installation of a signal at the intersection of SR 1110 (Southwest Durham Drive) and Witherspoon Drive, including signal timing. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

Evolve Companies
Wake County
36249.3731

This Project consists of the signal upgrade at NC 55 and SR 1628 (O'Kelly Chapel Road). The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

Northview Partners, LLC
Wake County
36249.3732

This Project consists of the signal upgrade at the intersection of SR 1010 (TenTen Road) and SR 4070 (Reliance Avenue). The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

First Citizens Bank & Trust
Company
Wake County
36249.3737

This Project consists of the signal upgrade at the intersection of Hammond Road at First Citizens Bank Driveway/proposed overflow parking lot. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

Ashston Woods
Wake County
36249.3740

This Project consists of the signal upgrade at the intersection of SR 1625 (Green Level Church Road) and SR 3127 (McCrimmon Parkway) in Cary. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$5,000.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 6

Aldi, Inc. (Salisbury Division)
Cumberland County
36249.3717

This Project consists of review and inspection of a traffic signal upgrade (or installation) at the intersection of US 401 (Raeford Road) at Gillis Hill Road and Gillis Hill/Rim Road. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$10,000.

CRP-Fayetteville Ramsey, LLC
Cumberland County
36249.3719

This Project consists of review and inspection of a traffic signal upgrade (or installation) at the intersection of US 401 (Ramsey Street) and King's Creek Drive. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$10,000.

City of Fayetteville
Cumberland County
45428.3.2

This Project consists of safety improvements along NC 24/210 (Grove Street) from the Ramsey Street/Green Street intersection to I-95 Business/US 301 Business (Eastern Boulevard) and improvements along I-95 Business /US 301 Business (Eastern Boulevard) from Grove Street to Person Street. The project will include landscape plantings and irrigation system. The Department shall develop the landscape design, prepare plans and site and install the plantings and irrigation system. The Municipality shall reimburse the Department 100% (\$35,000) for the irrigation system installation cost and shall assume maintenance of the plantings after one year.

Town of Angier
Harnett County
46305.3.22

This Project consists of the renovation of existing landscape plantings and the installation of an irrigation system at the intersection NC 55 and NC 210. The Department shall develop the landscape design, prepare plans and site and install the plantings and irrigation system. The Municipality shall reimburse the Department 100% (\$9,750) for the irrigation system installation cost and shall assume maintenance of the plantings after one year.

City of Lumberton
Robeson County
35901.3.2

This Project consists of replacing Bridge 36 on US 301 over I-95, widening US 301 to multi-lanes and installing traffic signals. At the request of the City, landscaping will be included. The Department shall develop the landscape design, prepare plans and site and install the plantings. The Municipality shall assume maintenance of the plantings after one year.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 7

Signature Burlington, LLC
Alamance County
36249.3716

This Project consists of upgrading the existing traffic signal at the intersection of SR 1436 (Garden Road) and Boone Station Drive in Burlington. The upgrades include the installation of pedestrian signals and crosswalks. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement is \$5,000.

City of High Point
Guilford County
M-0503
44559.11

This Project consists of developing a concept plan which engages and builds consensus among a variety of partners and community stakeholders in Guilford County. This Supplemental Agreement is to extend the completion date of the Project to 6/30/2017 in lieu of 12/31/2016.

Capkov Ventures, Inc.
Orange County
36249.3736

This Project consists of traffic signal upgrades at the intersection of SR 1777 (Homestead Road) and SR 1834 (Seawell School Road) in Chapel Hill. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual cost of the work performed by the Department. The estimated reimbursement is \$5,000.

Division 9

Centerlane Innes Street, LLC
Rowan County
36249.3718

This Project consists of the review and inspection of traffic signal plans on US 52 at Newsome Road SR 1006 at Innes Street Market) in Rowan County. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department one 100% of the actual cost of the work performed by the Department. The estimated reimbursement is \$7,500.

Division 10

City of Concord
Cabarrus County
U-5522
55059.1.1
55059.3.1

This Project consists of Intelligent Transportation Systems (ITS) expansion in Concord, including completion of the Transportation Management Center and installation of fiber communications, twenty-two additional traffic cameras and two dynamic message signs and structures. This Supplemental Agreement is to extend the completion date to February 3, 2019 in lieu of June 30, 2014.

NCDOT February 2, 2017 Board of Transportation Agenda

Division 11

Town of Dobson
Surry County
36249.3581

This Agreement is to provide de-icing salt and salt brine solution to the Municipality for the safe and efficient utilization of transportation systems in the Town of Dobson. The Municipality shall reimburse the Department 100% of the actual cost of the de-icing salt and salt brine solution. The estimated reimbursement to the Department is \$84.04 per ton for deicing salt and \$0.80 cents per gallon for the salt brine solution.

Division 12

City of Gastonia
Gaston County
2017CPT.12.28.10361

This Project consists of resurfacing 2 sections of US 29/74 (Franklin Blvd) between SR 1136 (Myrtle School Road) and US 321 and between NC 274 and Thomas St/Belvedere Street; convert existing six-lane cross section to a four-lane with two way left turn lanes and retrofitting and replacement of curb ramps; traffic signals will be adjusted to complete the conversion. The Department is responsible for all phases of the Project. The Municipality shall participate in the project costs in the amount of \$48,056.

Division 13

City of Asheville
Buncombe County
44830

This Project consists of the installation of new sidewalk along US 19/23 from the entrance to McDonalds just west of Acton Circle to tie in with the existing sidewalk at Shell Station. The Department is responsible for all phases of the Project. The Municipality shall assume maintenance of the sidewalk upon completion of the Project.

Division 14

National Park Service/Great
Smoky Mountains National Park
Haywood County
C-5202
46286.1.1

This Project consists of educating visitors to the Great Smoky Mountains National Park about transportation choices and how that affects air quality in Haywood County. This Supplemental Agreement is to extend the project completion date to 12/31/2018 in lieu of 12/31/2017.

NCDOT February 2017 Board of Transportation Agenda

Approval of Municipal Street System Changes

There will be no municipal street system changes presented for approval at the February 2017 Board meeting.

NCDOT February 2017 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
4	Approval of Conveyance of Highway Right of Way Residues	R-6
5	Approval of Conveyance of Surplus Highway Right of Way	R-7
6	Approval of Permanent Utility Easement Assignment	R-8
7	Authorization to Condemn Right of Way for Secondary Road Project	R-9

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 1)

Dare County; I.D. No. B-2500B; Project No. 32635.2.10:
Rodanthe on NC 12 long term improvements, phase II

(Division 6)

Cumberland County; I.D. No. W-5601DE; Project No. 50138.2.110:
SR 1141 (Cumberland Road) from SR 1219 (Ireland Drive) to SR 1149 (Boone Trail);
Safety Improvements

(Division 7)

Rockingham County; I.D. No. B-4807; Project No. 38577.2.1:
Bridge No. 06 over the Haw River on SR 2426 (Cunningham Mill Road)

(Division 9)

Forsyth County; I.D. No. B-5152; Project No. 42313.2.1:
Bridge No. 95 over Blanket Creek on SR 1100

Rowan County; I.D. No. B-4808; Project No. 38578.2.1:
Bridge No. 141 over South Second Creek on SR 1004 (Stokes Ferry Road)

Preliminary Right of Way Plans (continued)

(Division 11)

Watauga County; I.D. No. U-4020; Project No. 35015.2.1:

Boone – US 421 (King Street) from US 221 to US 321 (Hardin Street)

(Division 13)

Yancey County; I.D. No. B-4848; Project No. 38618.2.1:

Bridge No. 03 over Possum Trot Creek on SR 1128

Yancey County; I.D. No. B-5864; Project No. 48058.2.2:

Bridge No. 49 over Browns Creek on NC 80

PRELIMINARY RIGHT OF WAY PLANS

8 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 9)**Project No. 50138.2.40; Forsyth County; I.D. No. W-5601AM:**

Grading, drainage, widening and realignment on SR 2021 (Dobson St. / Kerner Rd.) at SR 2024 (Old Valley School Rd.) in Kernersville with the right of way indicated upon the final plans for said project.

(Division 10)**Project No. 40373.2.D1; Cabarrus County; I.D. No. U-4910A:**

Grading, drainage, paving, widening, signals and structure on SR 1445 (Derita Road) from SR 2894 (Concord Mills Boulevard) to Aviation Boulevard with the right of way indicated upon the final plans for said project.

Project No. 40373.2.F2; Cabarrus County; I.D. No. U-4910B:

Grading, drainage, paving, widening, signals and structure on SR 1445 (Derita Road) from Aviation Boulevard to SR 1394 (Popular Tent Road) with the right of way indicated upon the final plans for said project.

Project No. 50092.2.1; Union County; I.D. No. W-5520:

Grading, drainage, paving, retaining wall and signals on US 74 from 1100 feet West of Indian Trail-Fairview Road to 1200 feet East of Sardis Church Road with the right of way indicated upon the final plans for said project.

(Division 11)**Project No. 46098.2.1; Avery County; I.D. No. B-5383:**

Grading, drainage, structure and signing on Bridge No. 143 over Linville River on SR 1536 with the right of way indicated upon the final plans for said project.

Final Right of Way Plans (continued)

(Division 12)

Project No. 41153.2.FS1; Gaston County; I.D. No. I-5000:

Grading, drainage, paving, signing, lighting, signals and culverts on geometric safety improvements to Interchange on I-85/US 321 with the right of way indicated upon the final plans for said project.

(Division 13)

Project No. 46112.2.1; Rutherford County; I.D. No. B-5397:

Grading, drainage, paving and structure on Bridge No. 51 over Floyds Creek on SR 2213 with the right of way indicated upon the final plans for said project.

Revisions of the Final Right of Way Plans

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

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

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

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

(Division 5)**Project No. 34745.2.8; I.D. No. U-0071; Durham County:**

Final Right of Way plans approved on the minutes of the November 6, 2014 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 7 as presented at the February 2, 2017 Board of Transportation Meeting.

Project No. 42263.2.1; I.D. No. B-5121; Wake County:

Final Right of Way plans approved on the minutes of the June 2, 2016 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 6 as presented at the February 2, 2017 Board of Transportation Meeting.

(Division 11)**Project No. 34342.2.2/6.759003T; I.D. No. R-0529BA; Watauga County:**

Final Right of Way plans approved on the minutes of the July 10, 1998 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 9 as presented at the February 2, 2017 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 5)

Project 35871.2.1, Parcel U-0703 004, Timber Drive East SR 1154

Wake County

Conveyance of an approximate 0.180-acre residue area to the Town of Garner for the appraised value of \$5,000.00.

(Division 8)

Project 34923.2.2, Parcel U-3324 010, SR 1309 (Morganton Road) near US 1

Moore County

Conveyance of an approximate 1.600-acre residue area to Aayushi Patel, the highest bidder after public advertisement, for the high bid amount of \$75,000.00.

(Division 9)

Project 40278.2.1, Parcel U-4909 143, SR 2643 (Union Cross Road) from SR 2691 (Wallburg Road) to SR 2632 (Sedge Garden Road)

Forsyth County

Conveyance of an approximate 0.308-acre residue area to Everett Hiatt and Theresa Hiatt, the highest bidders after public advertisement, for the high bid amount of \$6,500.00.

(Division 10)

Project 6.689004T, Parcel R-0967CC 919, NC 24/27 from East of Big Bear Creek to SR 1963 (St. Martin Road) in Albemarle

Stanly County

Conveyance of an approximate 0.528-acre, residue area to Nicky Wayne Teeter, Gail Teeter Lawhon, and Phillip Luther Teeter, the highest bidders after public advertisement, for the high bid amount of \$3,562.50.

Project 6.689004T, Parcel R-0967CC 036, NC 24/27 from East of Big Bear Creek to SR 1963 (St. Martin Road) in Albemarle

Stanly County

Conveyance of an approximate 0.126-acre, residue area to Nicky Wayne Teeter, Gail Teeter Lawhon, and Phillip Luther Teeter, the highest bidders after public advertisement, for the high bid amount of \$1,100.00.

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 14)

Project 34334.3.1, 208 Reed Drive in Flat Rock

Henderson County

Abandonment of an approximate 0.138-acre permanent easement area to Lois McKinnish for no monetary consideration.

Approval of Permanent Utility Easement Assignment

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

(Division 12)

**Project 8.18229, Parcel 000F, South Battleground Avenue in Number Four Township
Cleveland County**

The Department acquired an approximate 0.360-acre residue area from B. A. Smith and Bessie T. Smith for construction near S. Battleground Avenue. The Public Service Company of North Carolina, Incorporated has requested an approximate 0.190-acre permanent utility easement and an approximate 0.280-acre temporary construction/workspace easement for the installation and maintenance of a gas pipeline. The Department has determined that this conveyance would do minimal damage to the property. The Public Service Company of North Carolina, Incorporated has agreed to the conveyance for \$5,200.00.

Authorization to Condemn Right of Way for Secondary Road Project

The Department has been unsuccessful in acquiring certain right of way for Secondary Roads; and the indemnity bond for the cost of any condemnation proceeding required is being secured in keeping with the Secondary Roads Policy of the Department.

Upon recommendation of the Chief Engineer, the Board finds and hereby authorizes the Right of Way Unit to acquire right of way by condemnation through the Attorney General's office for the following parcel(s):

(Division 14)

CLAIM OF: John W. Dye, Jr.
WBS #: 44170.14
PARCEL #: 004
COUNTY: Macon
SR #: 1139 Sanders Road

CLAIM OF: John W. Dye, Jr.
WBS #: 44170.14
PARCEL #: 005
COUNTY: Macon
SR #: 1139 Sanders Road

CLAIM OF: Daren Sanders
WBS #: 44170.14
PARCEL #: 007
COUNTY: Macon
SR #: 1139 Sanders Road

CLAIM OF: Lisa Ann Metzker
WBS #: 44170.14
PARCEL #: 008
COUNTY: Macon
SR #: 1139 Sanders Road

AUTHORIZATION TO CONDEM RIGHT OF WAY FOR SECONDARY ROAD PROJECT 4 PROJECT(S) \$0.00

R-ITEM SUMMARY	29 PROJECT(S)	TOTAL: \$ 96,362.50
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**NORTH CAROLINA BOARD OF TRANSPORTATION
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS
FISCAL YEAR 2016 - 2017**

There will be no Maintenance Allocation submitted to the Board for approval at the February 2017 Board meeting.

**NORTH CAROLINA BOARD OF TRANSPORTATION
COMPREHENSIVE TRANSPORTATION PLANS FOR MUTUAL ADOPTION BY THE
BOARD OF TRANSPORTATION
FISCAL YEAR 2016 - 2017**

There will be no Comprehensive Transportation Plans for Mutual Adoption submitted to the Board for approval at the February 2017 Board meeting.

NCDOT February 2017 Board of Transportation Agenda

Approval of Mobility Funds for Construction Projects

There will be no mobility funds for construction projects presented for approval at the February 2017 Board meeting.

DBE/MB/WB LETTING SUMMARY**Federal Contract Awards Summary****Oct 2016 let through Jan 2017 let****Federal Fiscal Year 2016/2017**

	Value Of Contract	DBE Goals Set		DBE Participation Submitted		DBE Participation Split			
						MB		WB	
	\$	\$	%	\$	%	\$	%	\$	%
Monthly	55,571,356.90	4,420,855.70	8.0	5,251,378.20	9.4	1,189,688.90	2.1	4,061,689.30	7.3
FY to Date	201,017,565.10	17,941,340.24	8.9	17,087,056.70	8.5	3,731,016.50	1.9	13,356,040.20	6.6

State Contract Awards Summary**Jul 2016 let through Jan 2017 let****State Fiscal Year 2016/2017**

	Value Of Contract	MB Goals Set		MB Participation Submitted		WB Goals Set		WB Participation Submitted	
	\$	\$	%	\$	%	\$	%	\$	%
Monthly	19,359,978.99	650,160.78	3.4	560,573.40	2.9	650,160.78	3.4	597,024.70	3.1
FY to Date	273,125,796.17	7,149,813.69	2.6	6,085,207.90	2.2	10,811,719.31	4.0	13,962,430.10	5.1

Letting Date(s): January 17, 10, 25, 2017

Award Date: Feb 02, 2017

Award Subject to BOT's Approval



February 1, 2017

*Financial Update
As of December 2016*

David Tyeryar, Chief Financial Officer



Financial Update

SFYTD 2017 as compared SFYTD 2016

Dollars in Millions	Month over Month		Year to Date		
	<u>December '16</u>	<u>December '15</u>	<u>December '16</u>	<u>December '15</u>	<u>\$ Change</u>
Collections	\$ 531	\$ 428	\$ 2,830	\$ 2,388	\$ 442
Expenditures	<u>483</u>	<u>413</u>	<u>2,711</u>	<u>2,427</u>	<u>284</u>
Net Change	\$ 48	\$ 15	\$ 119	\$ (39)	\$ 158

	<u>December '16</u>	<u>December '15</u>
Cash Balances:		
Trust Fund	\$ 1,501	\$ 1,260
Highway Fund*	<u>308</u>	<u>42</u>
Totals	<u>\$ 1,809</u>	<u>\$ 1,302</u>

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



Unaudited Financial Report

Transportation

Revenue Summary December 2016

(\$ in Millions)

	December 2016	December 2015	Year Over Year				SFY Budget	
			2016-2017 Actual	2015-2016 Actual	\$	%	Annual Budget	%
State & Federal Collections:								
Highway Fund *	\$ 165.1	\$ 163.1	\$ 1,057.9	\$ 980.4	\$ 77.5	8%	2,048.7	52%
Highway Trust Fund *	119.5	115.1	740.1	697.1	42.9	6%	1,371.3	54%
Total State Funds	284.6	278.2	1,797.9	1,677.5	120.4	7%	\$ 3,420.0	53%
Federal Funds/Participation	63.4	126.8	626.8	617.2	9.6	2%	1,257.7	50%
GARVEE Reimbursement/NCTA	182.9	23.5	405.5	93.4	312.1	-	N/A	N/A
Total	\$ 530.9	\$ 428.4	\$ 2,830.3	\$ 2,388.2	\$ 442.1	19%	\$ 4,677.7	61%
	December 2016	December 2015	Year Over Year				SFY Budget	
			2016-2017 Actual	2015-2016 Actual	\$	%	Annual Budget	%
* Memo								
Highway Fund & Trust Fund Details								
Motor Fuel Taxes	\$ 157.9	\$ 163.4	\$ 974.5	\$ 988.6	\$ (14.1)	-1%	\$ 1,782.8	55%
Highway Use Tax	62.5	58.8	382.8	351.3	31.5	9%	659.8	58%
DMV/Other Revenue	63.2	55.3	435.1	334.5	100.6	30%	974.4	45%
Investment Income	1.1	0.7	5.5	3.1	2.5	80%	3.0	N/A
Total	\$ 284.6	\$ 278.2	\$ 1,797.9	\$ 1,677.5	\$ 120.4	7%	\$ 3,420.0	53%



Expenditure Summary December 2016

(\$ in millions)

			Year Over Year				SFY Annual Budget	
	Dec-16	Dec-15	2016-2017 Actual	2015-2016 Actual	\$	%	2016-2017 Budget	%
State & Federal Funded Programs:								
Construction	\$ 178.9	\$ 179.6	\$ 1,273.4	\$ 1,115.4	\$ 158.0	14%	\$ 2,304.7	55%
Maintenance	89.3	85.7	689.6	643.6	46.0	7%	1,293.0	53%
Public Transportation	14.8	4.3	56.6	45.2	11.4	25%	126.9	45%
Other Modal/Other Programs	0.8	6.8	74.7	68.4	6.3	9%	231.9	32%
Administration	26.1	21.7	72.7	89.2	(16.5)	NA	316.9	23%
Municipal Aid	73.6	73.9	147.2	147.8	(0.6)	0%	147.5	100%
Transfers to Other Agencies	4.0	0.3	22.7	22.7	0.0	NA	47.3	48%
Total Expenditures	\$ 387.5	\$ 372.3	\$ 2,336.8	\$ 2,132.2	\$ 204.6	10%	\$ 4,468.2	52%
GARVEE/NCTA/Special Initiatives	\$ 95.1	\$ 41.1	\$ 373.8	\$ 294.9	\$ 78.9		209.4	

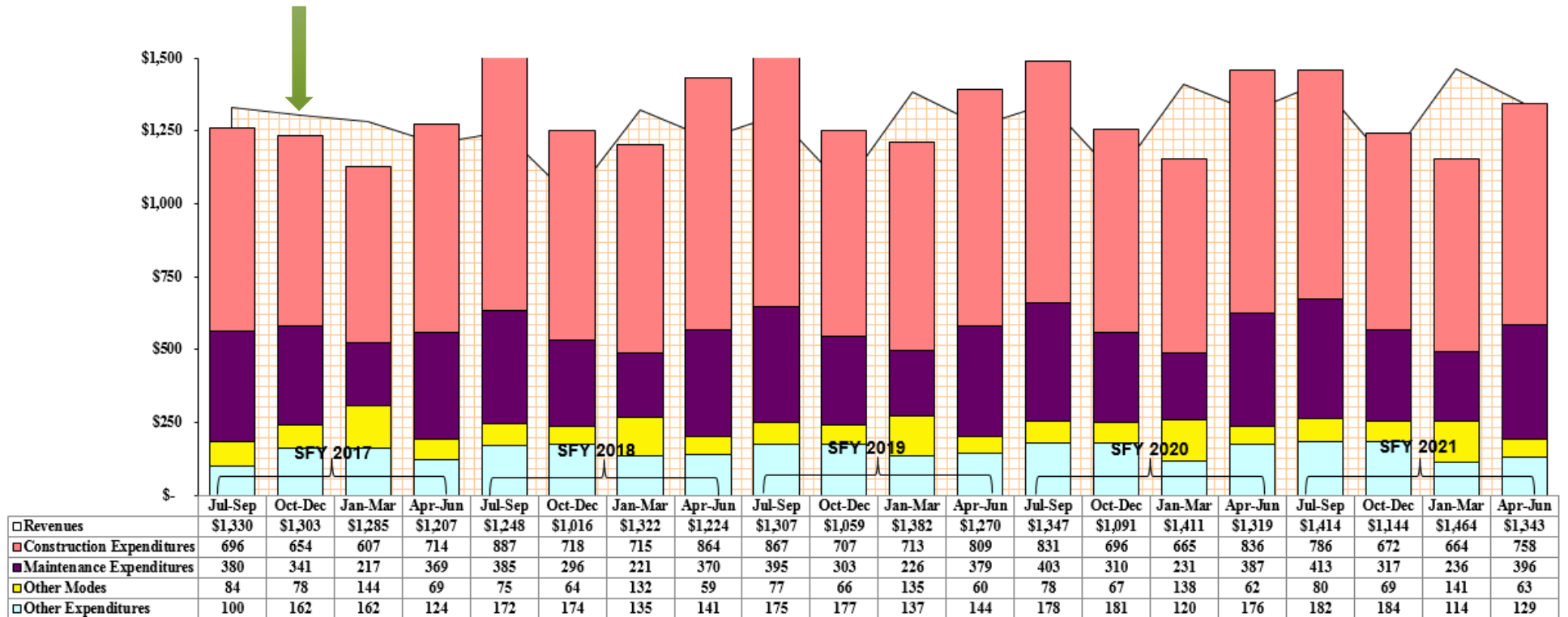


Variances as of December 2016

RECEIPTS		
State & Federal Receipts:	Variance >5%	Reason for Variance
Highway Use Tax	8%	Car sales are up due to buyer incentives.
EXPENDITURES		
State & Federal Funded Programs:		
Other Modal/Other Programs	<18%>	Rail invoices still delayed due to project issues such as multiple utility relocation contracts that have not been invoiced. A number of agreements with short line and industrial partners have been executed late.
Administration	<27%>	Admin is down due to the IT carryforward. FY16 IT carryforward was \$61.4M.

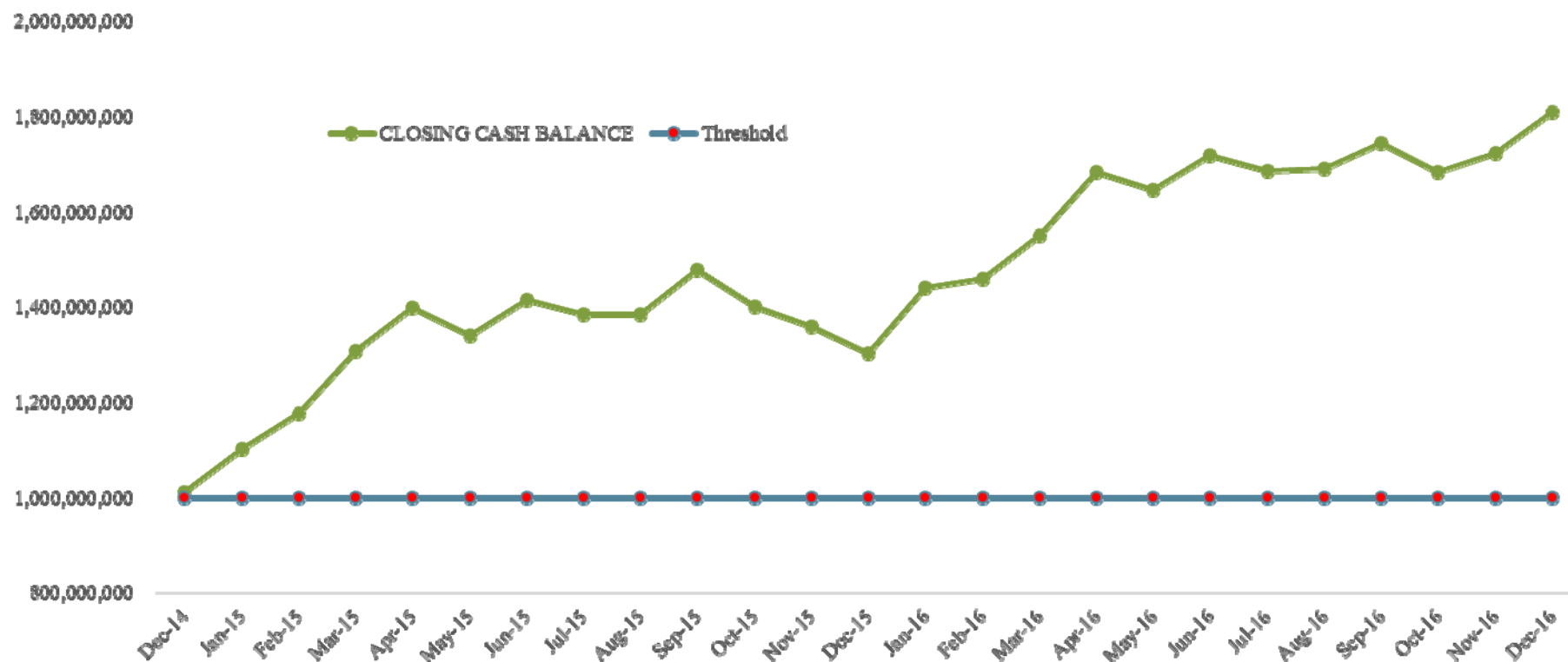


60 Month Revenue & Expenditure Projections as of December 2016



Cash Balance Comparison

*As of December 31, 2014, the Cash Balance was \$1,011 million.
As of December 31, 2016, the Cash Balance had grown by \$798m to \$1,809m*
Monthly Closing Cash Balance

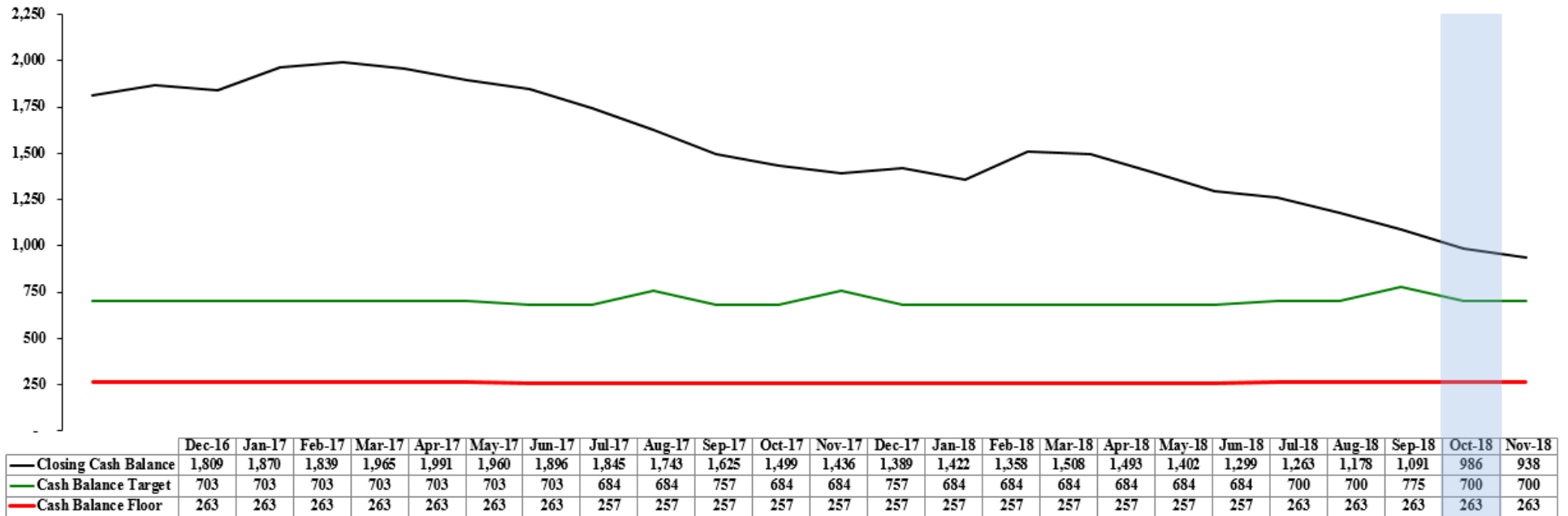


Unaudited Financial Report

Transportation

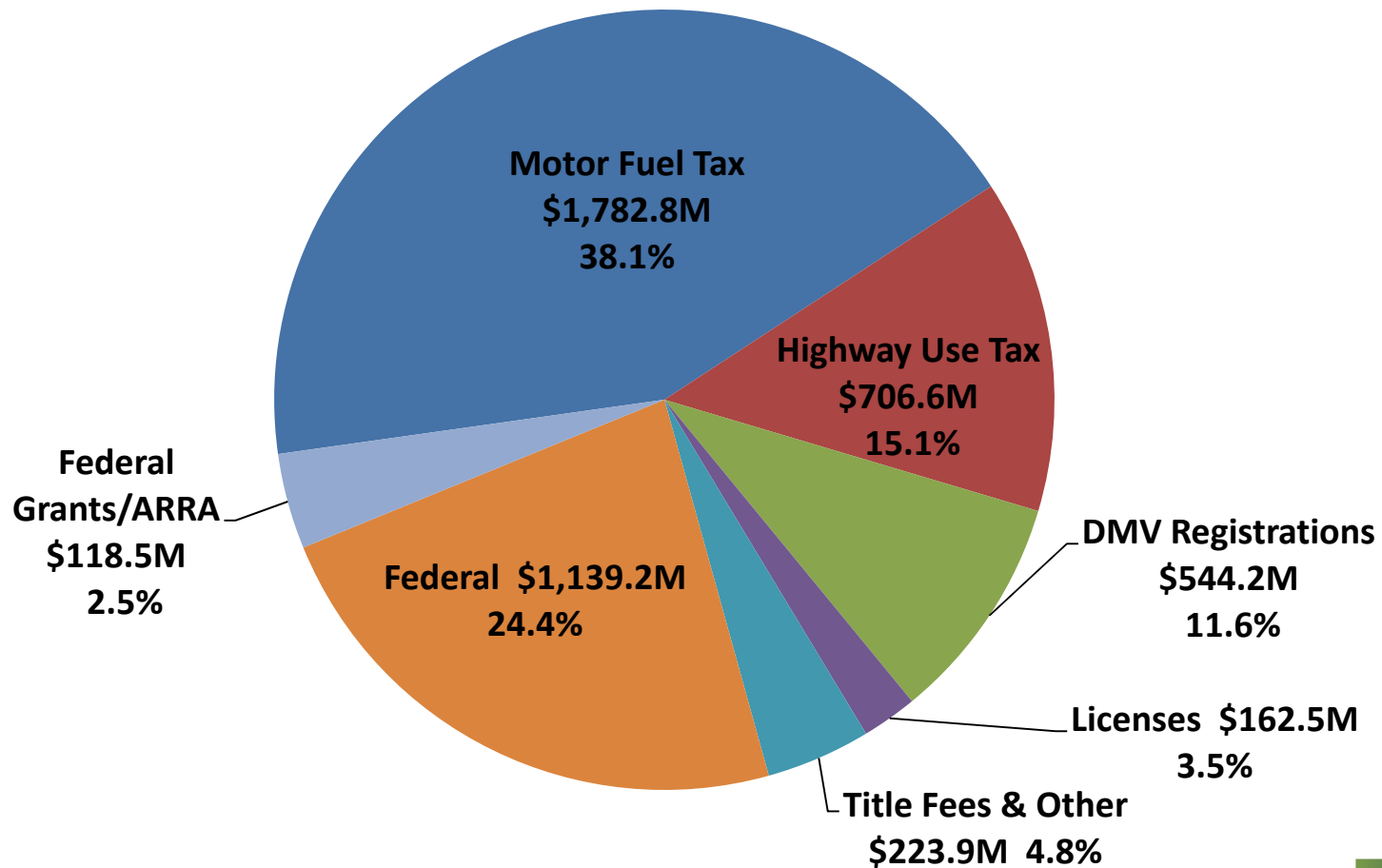
24 Month Cash Model

Cash Projections as of December 2016



NCDOT Revenue Sources

SFY2017 - \$4.7 Billion



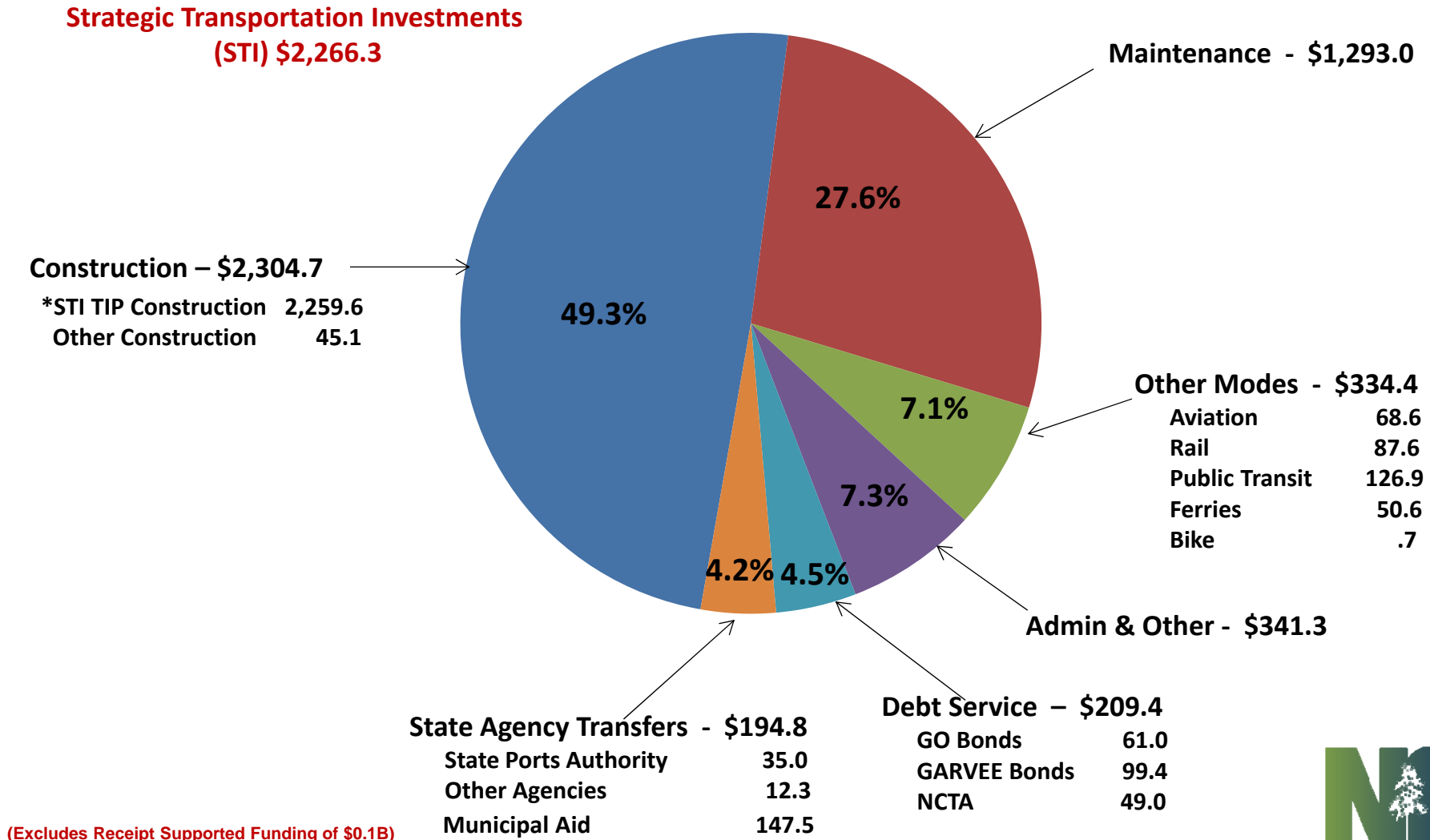
(Excludes Receipt Supported Funding of \$0.1B)



Unaudited Financial Report
Transportation

Uses of 2016-17 NCDOT Appropriations

Total Funding = \$4.7 Billion



(Excludes Receipt Supported Funding of \$0.1B)

(\$ in millions)

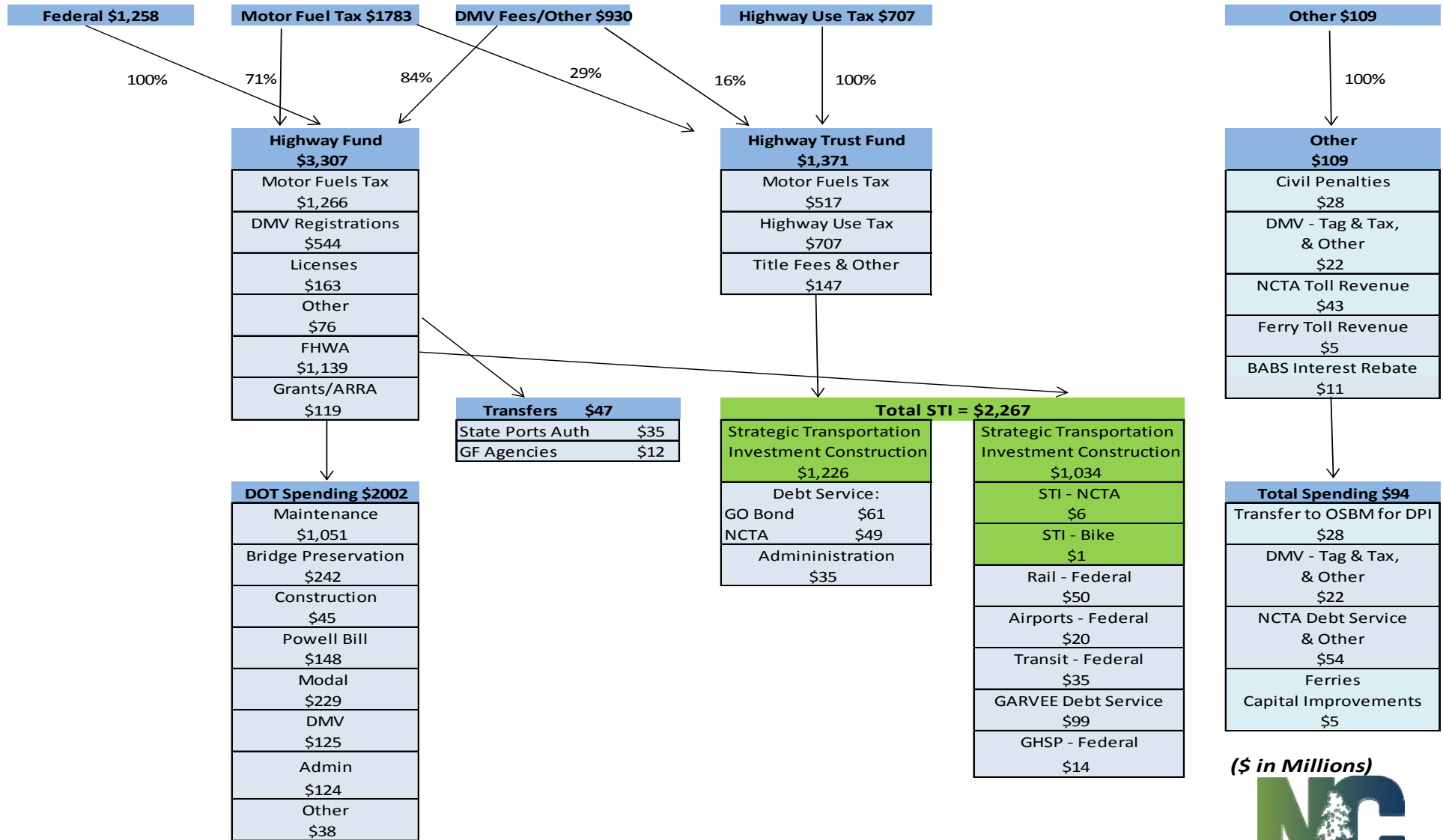


Unaudited Financial Report

Transportation

SFY2017 NCDOT Sources and Uses

Total Funding = \$4.8 Billion



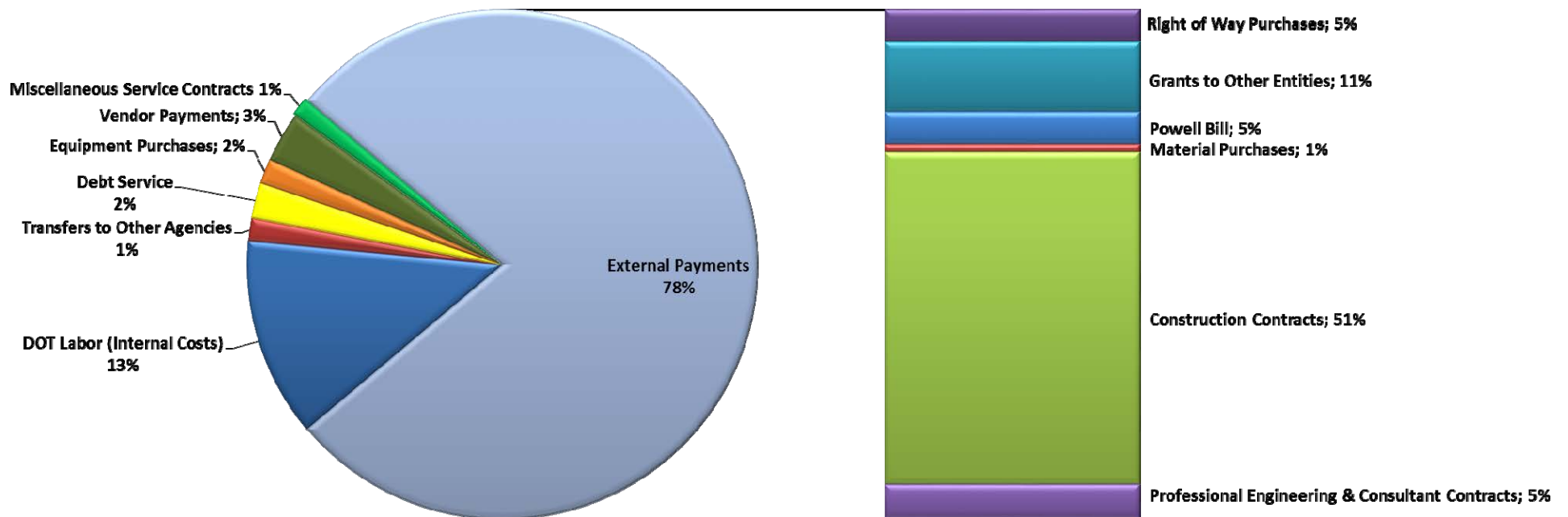
(Includes Receipt Supported Funding of \$0.1B)



Unaudited Financial Report
Transportation

NCDOT Expenditures

SFY2017 as of December 31, 2016





NC Board of Transportation – February 1st, 2017

*Highway Maintenance
Improvement Program*

Randy Finger, PE



Summary of Legislative Mandate

During 2014 Legislative session, NCGA established the Highway Maintenance Improvement Program (Session Law 2014-100, Section 34.11 (a,b))

- Highway Maintenance Improvement Program (HMIP)
 - 3 year improvement schedule for rehabilitation, resurfacing and preservation activities
 - Based on previous FY contract resurfacing and pavement preservation funds
 - Changes made from previous year's plan
 - Posted on the Department's website by April 1st each year



Highway Maintenance Improvement Plan

Includes:

- Year work is to be completed
- Specific roadways in each county
- Type of treatment applied and estimated cost

Plan Year	County	Route	Begin Description	End Description	Length	Budget Group	Treatment	Estimated Cost
FY 2018	Bertie	US 17 Byp	US 13	US 17	6.598	Resurfacing	Mill 1.5" & Replace (B Level) & .75" OGFC	\$ 1,465,000
FY 2019	Bertie	SR 1307	SR 1306	SR 1318	0.880	Resurfacing	Split Seal	\$28,000
FY 2020	Tyrrell	US 64	NC 94	Scuppernong Bridge	0.590	Rehabilitation	Mill 3" & Replace (C Level)	\$200,000

Example



Questions?





Prioritization 5.0 Update

Sarah E. Lee

Strategic Prioritization Office (SPOT)

February 1, 2017



Today's Roadmap

1. Recent Workgroup Meetings

- **Consensus Recommendations**
- **Continuing Discussions**

2. Future Meeting Topics

P5.0 Workgroup Meetings

Kickoff meeting on October 3rd

Meet ~ twice a month

Held 8 meetings to date (half of schedule complete)

Last update to Board in December

P5.0 Workgroup Meetings

Consensus recommendations to date:

- P5.0 Schedule
- Committed Projects
- Statewide Mobility Corridor Cap
- Continued use of Scaling
- Projects to Evaluate in P5.0
- Continued use of Peak ADT
- Continued use of Workgroup goals as used in P4.0

Projects to Evaluate in P5.0

Carryover Projects

Projects that automatically carry over from P4.0 for evaluation in P5.0

- Programmed in the Final 2018-2027 STIP, but not considered a Committed project
- Sibling of a programmed project
- The project has a NEPA document completed within the last 10 years or the NEPA document was actively being worked on

Projects to Evaluate in P5.0

Project Submittals

MPOs and RPOs:

- Base of 12 submittals, plus:
 - One additional submittal for every 50,000 in population
 - One additional submittal for every 500 centerline miles

Divisions:

- 14 submittals each

Above applies to each mode

P5.0 Workgroup Meetings

Other discussions to date:

- Continuing to improve MPO/RPO/Division coordination
- Results of Draft STIP based on P4.0

Continuing Discussions:

- Normalization
- Projects that benefit multiple modes
- Public Transportation scoring
- Rail scoring
- Reprioritization of Committed Projects

Future Meeting Topics

Future Meeting Topics:

- Local Input Point Process Verification (Cambridge)
- Geographic distribution of projects
- Non-Highway Mode Criteria, Measures, and Weights
- Highway Mode Criteria, Measures, and Weights
- Modernization projects
- Future interstates

Contact Information

STRATEGIC TRANSPORTATION INVESTMENTS

Smart decisions to keep North Carolina moving.

David Wasserman, P.E.
Prioritization Office (SPOT) /
STIP Western Region
Manager
(919) 707-4743
dswasserman@ncdot.gov

Sarah E. Lee
Prioritization Office
(SPOT)
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Prioritization Office
(SPOT)
(919) 707-4646
jschronce@ncdot.gov

<https://www.ncdot.gov/sti>





Board of Transportation, February 1, 2017

Product Evaluation Program Awareness

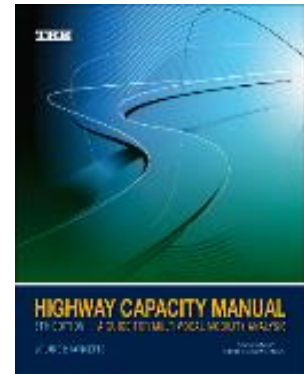
Natalie Roskam, PE, CPM



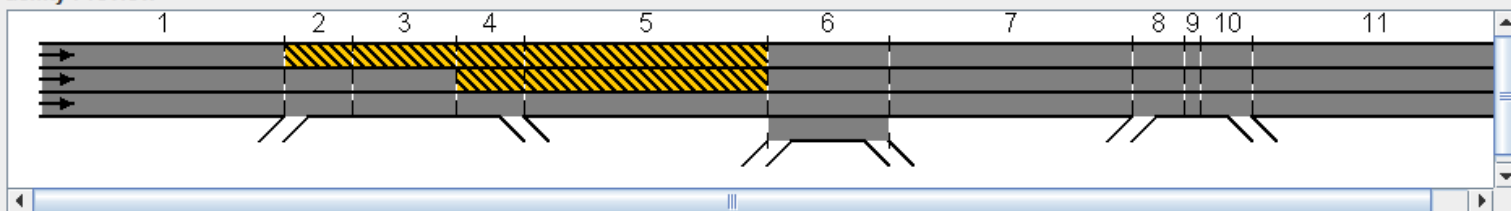
Technology Highlight (Approved)

FREEVAL - WZ

- FREEVAL-WZ is a planning analysis tool used to quantify work zone impacts to freeways.
- Enhanced through NCDOT Research Project 2015-09 to incorporate the Highway Capacity Manual, 6th ed., with Kittelson & Associates and Institute for Transportation Research and Education (ITRE) at NCSU.
- Allows queuing analysis over time (24 hours in 15 minute increments) and space (up to 15 miles).
- FREEVAL-WZ allows our engineers to:
 - Compare Work Zone Scenarios
 - Identify Diversion Targets
 - Optimize Lane Closures - When and How Long
 - Calculate Traffic Volumes, Average Travel Time, and User Costs
 - Analyze Incident Management and Weather Impacts
 - Create Public Outreach Materials



Facility Preview



Step 1: Global Inputs

Step 2: AADT Inputs

Step 3: Daily Facility Inputs

Step 4: Advanced Facility Inputs

Step 5: Work Zone Inputs

Compare

Work Zones

Add

WZ Scenario - New Work Zone (10)

Remove

Time Period

Start Time:

10:00 (1)

End Time:

10:00 (96)

Segments

Start:

2

End:

5

Work Zone Parameters

WZ Type/Severity:

1 Lane Closure

Area Type:

Urban

Lateral Distance (ft.):

2

Barrier Type:

Plastic Drum

Work Zone Speed Limit:

55

☒ Enable Custom/Advanced Input
 ☐ Use HCM FFS Prediction Model (Lane Closures Only)

Work Zone Segment Inputs

Work Zone Option	Seg. 1	Seg. 2	Seg. 3	Seg. 4	Seg. 5	Seg. 6	Seg. 7	Seg. 8	Seg. 9
Work Zone Active	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lane Closure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Closed Lanes		1	1	2	2				
Cross Over	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Number of Lanes									
Cross Over Speed Limit									
Shoulder Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Use Custom Capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Custom Capacity (veh/ln)									
Crossover CAF		1.0	1.0	1.0	1.0				
Final WZ Capacity (veh/ln)		1937	1937	1565	1565				
Work Zone Speed Limit (mph)		55	55	55	55				
Work Zone FFS (mph)		55	55	55	55				
Override Work Zone FFS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
User Specified WZ FFS (mph)				50	50				



FREEVAL-WZ Report

Summary Output

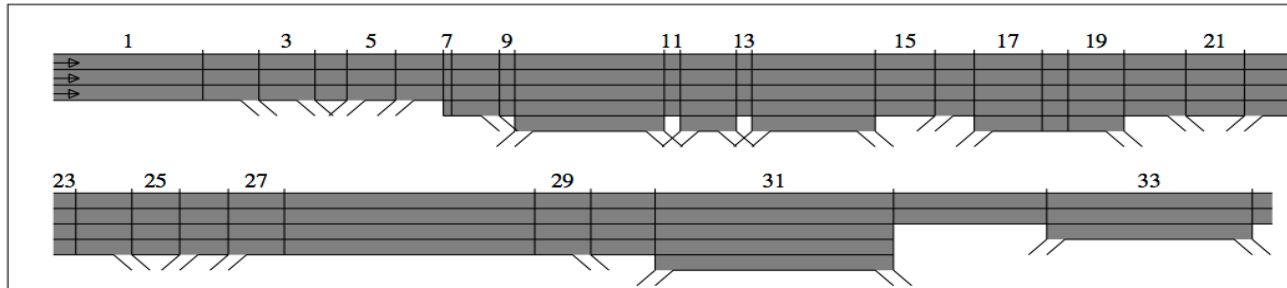
Project: I-40 Case Study

Facility Length: 12.5 miles (34 segments)

Analyst: ITRE

Analysis Period: 14:00pm - 6:00am (64 time periods)

Scenario: Base Year



Performance Measure	Base Scenario	WZ Scenario 1	WZ Scenario 2	WZ Scenario 3
	I-40 EB	WZ1: 8PM	WZ2: 9PM	WZ3: 10PM
Average Travel Time (min)	26.45	34.93	27.32	26.47
VHT (travel / interval (hrs))	15,205	20,176	15,714	15,213
VHD (delay / interval (hrs))	9,097	14,068	9,606	9,105
Space Mean Speed (mph)	28.2	21.2	27.2	28.1
Reported Density (pc/mi/ln)	20.3	27.1	21.1	20.4
Max D/C	1.21	1.49	1.32	1.21
Max V/C	0.97	0.97	0.97	0.97
User Cost (\$)	463,195.50	716,306.88	489,092.81	463,596.81
Max Hourly User Cost (\$)	147,699.03	147,699.03	147,699.03	147,699.03
Work Zone Summary				
WZ Name	-	WZ1: 8PM	WZ2: 9PM	WZ3: 10PM
Time Active	-	20:00-0:00	21:00-1:00	22:00-2:00
Segments Active	-	32	32	32
Severity	-	1 lane closure	1 lane closure	1 lane closure
WZ Speed Limit	-	55	55	55
Area Type	-	Urban	Urban	Urban
Barrier Type	-	Soft Barrier	Soft Barrier	Concrete
Lateral Distance	-	2.00 ft	2.00 ft	2.00 ft



FREEVAL-WZ Report


Summary Output

Project: I-40 Case Study**Facility Length:** 12.5 miles (34 segments)**Analyst:** ITRE**Analysis Period:** 14:00pm - 6:00am (64 time periods)

Performance Measure: Average Travel Time (Minutes)

Base Scenario	WZ Scenario 1	WZ Scenario 2	WZ Scenario 3
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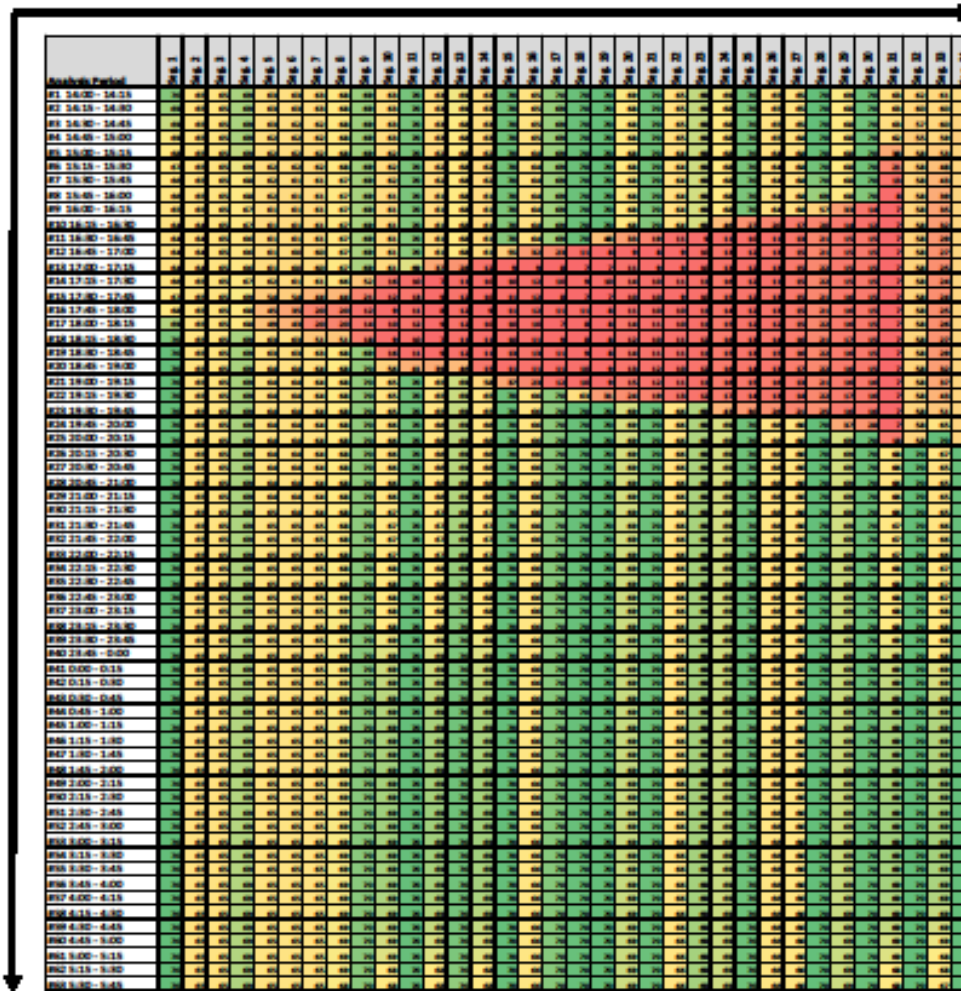
Night-Time Lane Closure Volume Sensitivity

Distance

I-40 East

Time

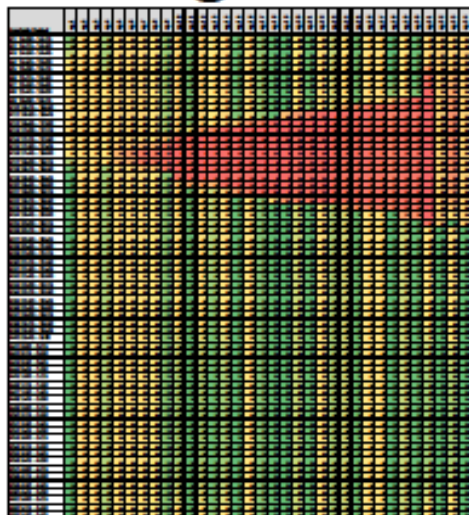
2 p.m.
to
6 a.m.



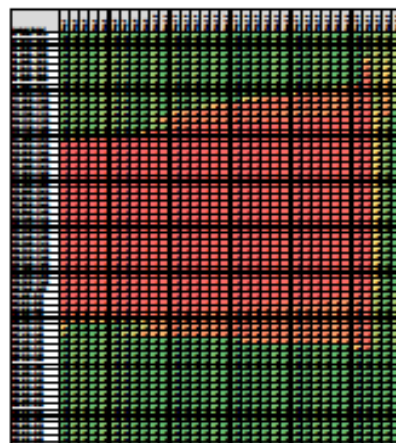
- 70-80 MPH
- 60-70 MPH
- 50-60 MPH
- 40-50 MPH
- 30-40 MPH
- 20-30 MPH
- 10-20 MPH
- 0-10 MPH

M2-47

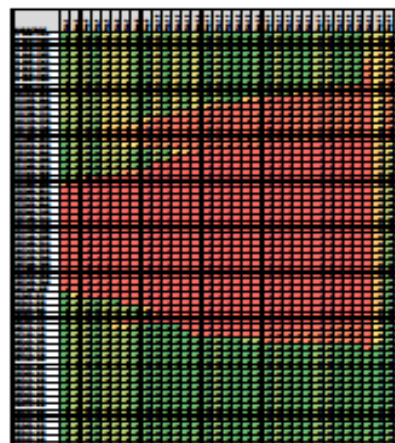
Night-Time Lane Closure Volume Sensitivity



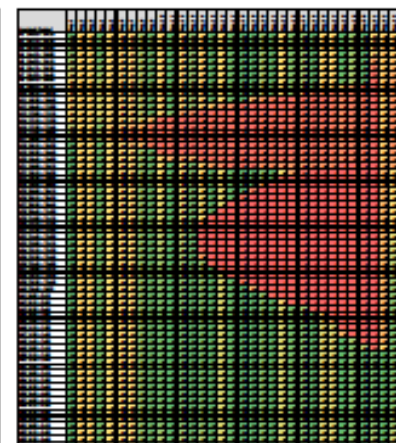
Base Case
– No Work Zone



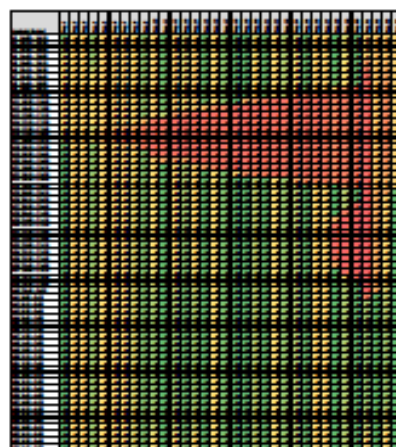
5PM Lane Closure



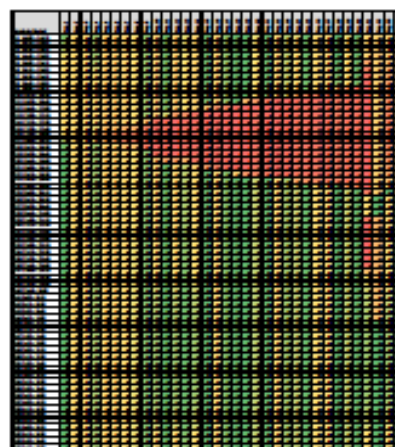
6PM Lane Closure



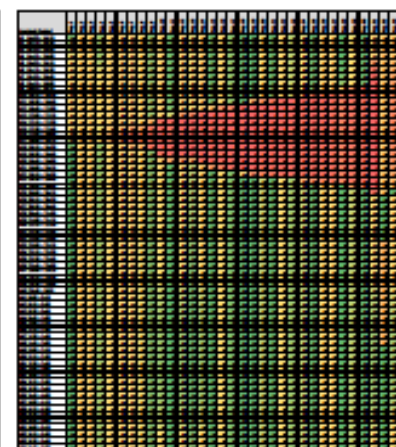
7PM Lane Closure



8PM Lane Closure



9PM Lane Closure



10PM Lane Closure

Product Highlight (Under Evaluation)

Calciment

- Calciment is powder that is a byproduct of lime production that contains both free calcium oxide and pozzolans.
- It is used for subgrade stabilization, full depth reclamation, modifying and drying soils.
- Calciment provides more time for mixing, spreading and compaction than Portland cement, has a lower carbon footprint than lime or cement, contains 100% recycled material, and is more economical than lime or cement.
- LEED certified product and approved in 8 other DOTs and a Turnpike Authority.
- 50% savings vs. Cut and Fill and
25% savings vs. Lime or Portland Cement.



Unified Group Symbol	GW	GP	GM	GC	SW	SP	SM	SC	ML	CL	OL	MH	CH	OH	PT
AASHTO Group Classification	A-1-a	A-1-a	A-1-b	A-1-b	A-1-b	A-1-b or A-3	A-2-4 Or A-2-5	A-2-6 Or A-2-7	A-4	A-6	A-4	A-5	A-7-6	A-7-5	A-8
			Calciment®												
							Lime						Lime		
	Portland Cement										Portland Cement				



Product Highlight (Under Evaluation)

Calciment

1. *Calciment is transported to the job site in a pneumatic tanker.*



2. *Then transferred to a spreader truck.*



3. *Calciment, water and soil are mixed using a reclaimer.*



4. *After mixing, a drum roller or sheep foot compacts the pulverized mix.*



5. *Compacted material is then graded to a final crown, profile and cross slope.*



6. *Surface is ready for a final smooth roll and seal.*



Product Highlight (Under Evaluation)

Calciment

Airports

O-Hare - IL



Piedmont Triad
- NC



Richmond
Airport - VA



Building Pad Parking Lot

Volvo Plant -
SC



Ikea - OH



Amazon
Distribution -
MD



Wal-Mart - VA



Roads

I-81 - VA



I-79 - PA



Pennsylvania
Turnpike



I-90 - OH



I-69 - IN





HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 01-04-2017 TIME: 10:30 AM – 12:00 PM LOCATION: 150

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

AGENDA TOPICS

1. APPROVAL OF DECEMBER MINUTES	
DISCUSSION SUMMARY	Motion to approve made by Board Member Palermo, seconded by Board Member Brown.
ACTIONS TAKEN	Motion to approve minutes as written passed unanimously.

2. SONAR TECHNOLOGY – KEITH HONEYCUTT, PE, PLS	
DISCUSSION SUMMARY	<p>NCDOT's Location and Surveys Unit is utilizing sonar technology to identify and map the location and depth of underwater features. This technology has allowed the Department to map ferry channels before and after major storm events. The Southdock (Ocracoke Island) Ferry Channel and Basin were mapped before and after Hurricane Matthew. Utilization of the technology in this application helps identify dredging areas. Mapping has also been performed on the Morehead Port and Gallant's Chanel for ship passage. Sonar surveys are regularly performed at the Bonner Bridge / Oregon Inlet.</p> <p>The sonar technology is also being utilized on STIP projects over or adjacent to bodies of water. The Lake Lure Dam was surveyed for a STIP project, where the technology identified features of the dam. The sonar technology was also used for the Mid-Currituck bridge project to identify submerged aquatic vegetation for permitting purposes. Sonar technology was utilized on a bridge replacement project, STIP Project R-2577, Belews Lake in Forsyth County. The use of the technology on this project identified an unknown equalizer pipe that crossed under the roadway.</p> <p>The Department's use of sonar technology has increased from 532 acres surveyed in 2013 to 1,832 acres surveyed in 2016. Edgetech is the manufacturer of the Department's SONAR equipment.</p>
ACTIONS TAKEN	

HIGHWAYS COMMITTEE MEETING MINUTES

3. WORK ZONE SAFETY AWARENESS CAMPAIGN – JONATHAN BANDY	
DISCUSSION SUMMARY	<p>In 2016, NCDOT conducted a Work Zone Safety Awareness Campaign with the goals of reducing work zone injuries and fatalities and educating motorists about the dangers of speeding and distracted driving through work zones. From 2011-2015, 88 people have died in work zones and more than 18,024 crashes have occurred. In 2015, 19 people were killed in North Carolina work zones, including three workers and 16 motorists.</p> <p>The Work Zone Safety Awareness Campaign performed outreach through earned media initiatives, in-house marketing initiatives, and external marketing initiatives. Earned media initiatives included Governor McCrory's proclamation of April as Work Zone Safety Awareness Month. April 11th – 15th was Work Zone Safety Awareness week, which included a kickoff event in Raleigh, a media event in Greensboro, and a summit in Raleigh. The estimated value of the media coverage of these events is \$77,154.49. In addition to these efforts, NCDOT utilized in-house marketing initiatives by adding updates to the web page, posting messages on the NCDOT's main Facebook page and the Governor's Highway Safety Program's Facebook page. More than 161,000 people have been exposed to the work zone safety message from these posts.</p> <p>For the external marketing initiatives, NCDOT selected the counties to focus the work zone safety messages including Mecklenburg, Wake, Cabarrus, Guilford, Iredell, Forsyth, Durham, Cumberland, Buncombe, Watauga, Randolph, New Hanover, Wayne, Orange, Robeson, Caldwell, Union, Dare, Pitt and Henderson. NCDOT posted advertisements on Facebook which had 108,000 visits to the webpage, for an estimated 5.5 million impressions. NCDOT posted advertisements on Pandora, which has both audio and visual components. The Pandora ads received 3.9 million impressions. More than 2,520 public service announcements aired between April and November through traffic sponsorships on terrestrial radio, which targeted the five markets of Asheville, Charlotte, Fayetteville, Greensboro and Raleigh. These ads aired multiple times with the potential of the message being received four times for each person in the target counties. Mobile billboard advertisements were also utilized in Asheville, Charlotte, Raleigh, Wilmington, Durham, Fayetteville and Elizabeth City, creating 622,300 impressions weekly for over 12 weeks. Traditional billboards located in Cabarrus, Mecklenburg, Iredell, Guilford, Wake and Durham counties created 833,680 impressions weekly for 12 weeks. The out-of-house marketing initiatives cost was \$234,218.75, for an estimated total of 23,855,980 impressions (\$0.009 per impression).</p> <p>NCDOT will analyze statistics of 2016 traffic crashes and fatalities in work zones to help determine the proper messaging for work zone safety awareness efforts moving forward.</p>
ACTIONS TAKEN	

HIGHWAYS COMMITTEE MEETING MINUTES

4. MAINTENANCE OPERATIONS AND PERFORMANCE ANALYSIS REPORT (MOPAR) – KRISTIN BARNES	
DISCUSSION SUMMARY	<p>NCDOT, Division of Highways has developed a strategic asset management vision which will be accomplished by the current and newly implemented Improvement Plans. The plans enable stakeholders know goals/targets and track accomplishments. The establishment of the Bridge Maintenance Improvement Plan and Routine Maintenance Improvement Plan are being refined with further input from Division Staff. Along with developing the plans, refining condition assessments/inspections and developing metrics to measure effectiveness and efficiencies is critical and being refined as well. Objectives of the plan include: identify specific work and production, determine recommended funding levels, develop staffing needs, demonstrate accomplishments and communicate with stakeholders. Plans are developed in the divisions, creating accountability to statewide goals and targets, determined by the Chief Engineer. The plans drive recommended funding levels. The 2016 Maintenance Operations Performance Analysis Report (MOPAR) was presented to the JLTOC on January 6, 2017.</p>
ACTIONS TAKEN	



HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION FEBRUARY 1, 2017

TIME: 1:30 PM – 3:00 PM

LOCATION: 150

TOPIC	PRESENTER	TIME
Hampstead Bypass & Median Project	Karen Collette, PE	20 min
Light Detection and Ranging (LIDAR)	Brian Flippin, PE, PLS	20 min
Bridge Maintenance Improvement Plan (BMIP)	Greg Perfetti, PE	20 min
Other Discussion	Jake Alexander	30 min



Board of Transportation Highways Committee

February 1, 2017

Bridge Maintenance Improvement Plan (BMIP)

Greg Perfetti, PE

Director of Field Support



Why Implement BMIP ?

Dedicated Bridge Program funding for bridge replacements

Plan for multiple budget cycles

HMIP format working well

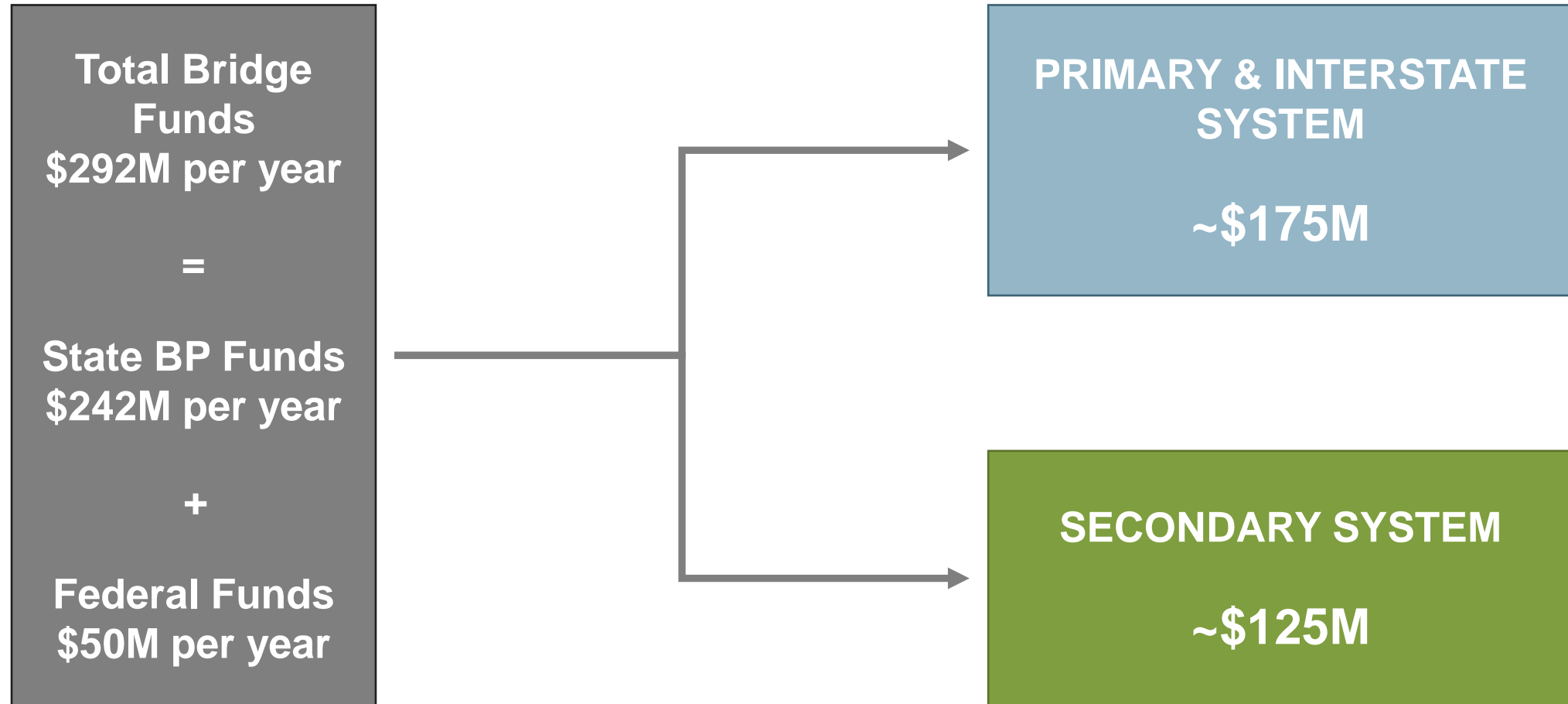
Documents project ownership

Provides ability to react to funding fluctuations

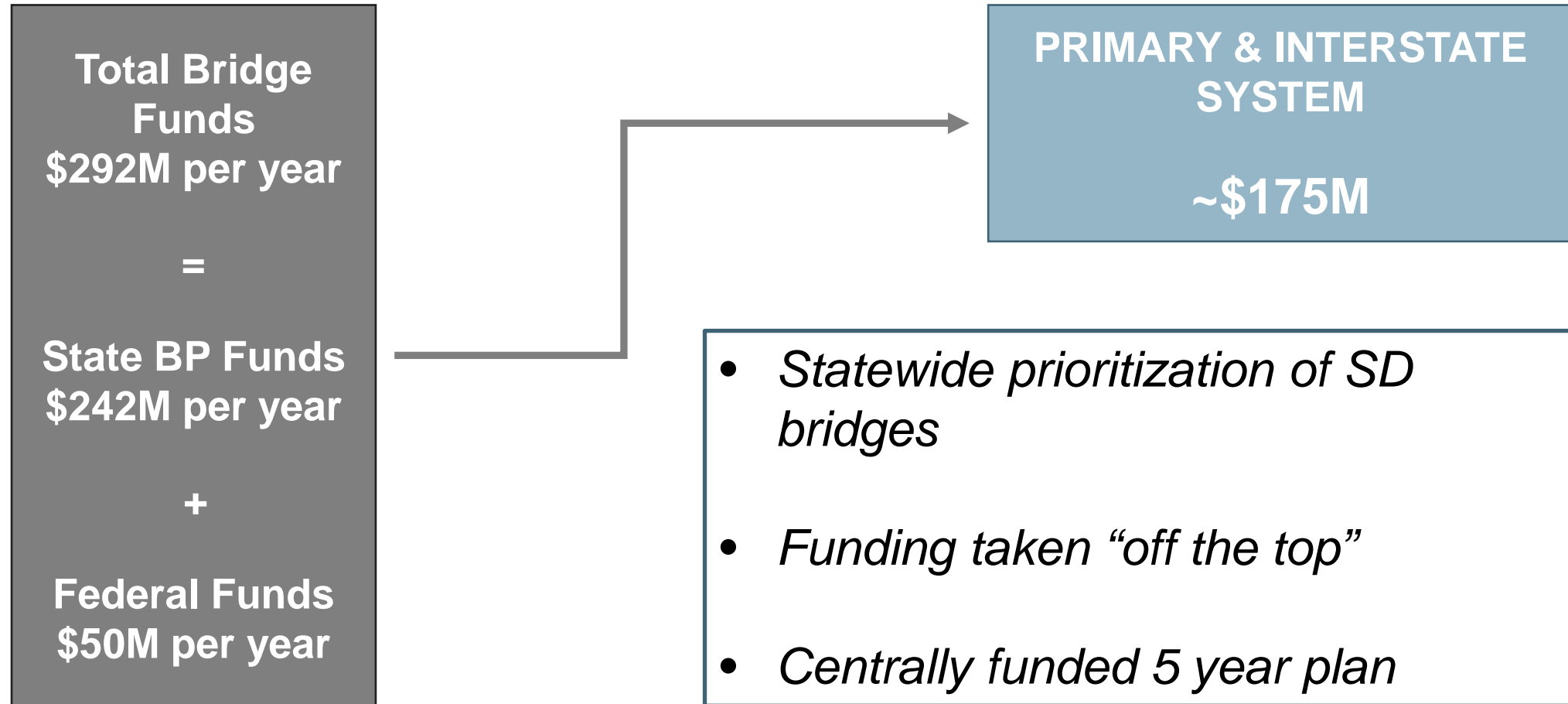
BMIP – Structurally Deficient Goals

	<i>Current</i>	<i>2030</i>	<i>\$ Need</i>
STATEWIDE	13%	10%	\$300M/year
Interstate	4%	2%	\$175M/year
Primary	9%	6%	
Secondary	17%	15%	\$125M/year

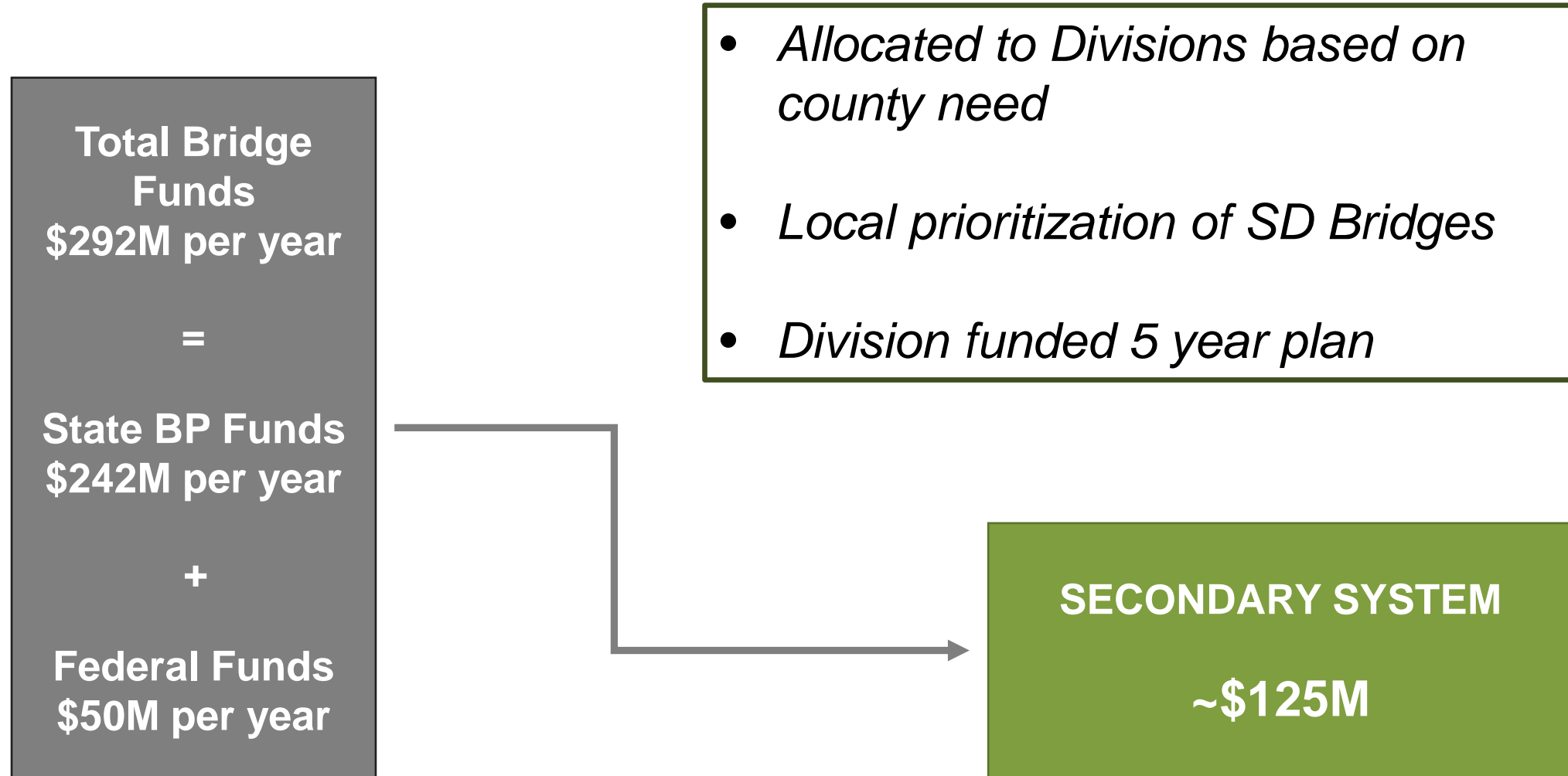
BMIP - Allocation of Funds



BMIP - Primary & Interstate



BMIP - Secondary



Questions?





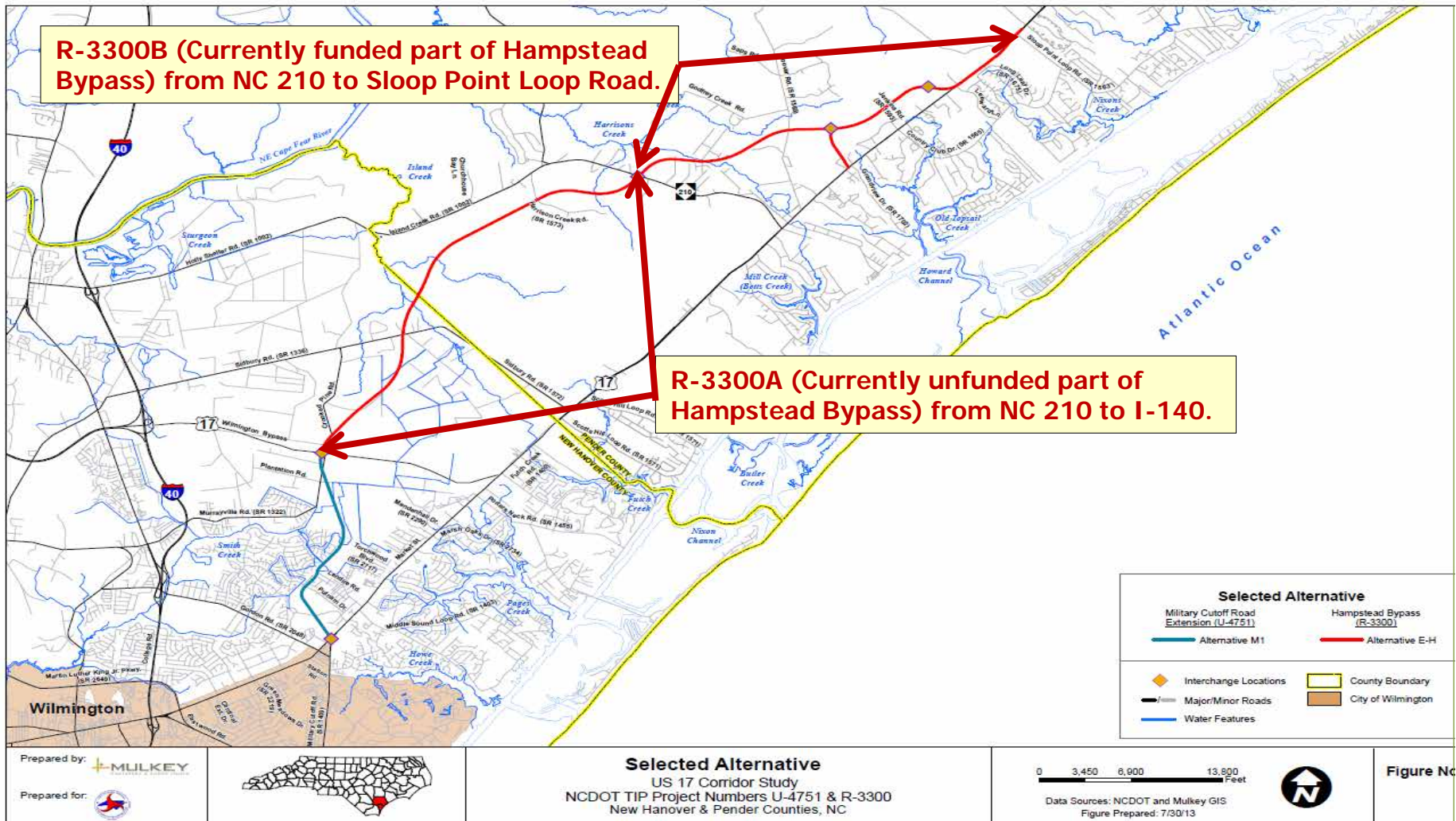
Board of Transportation Highways Committee
February 1, 2017

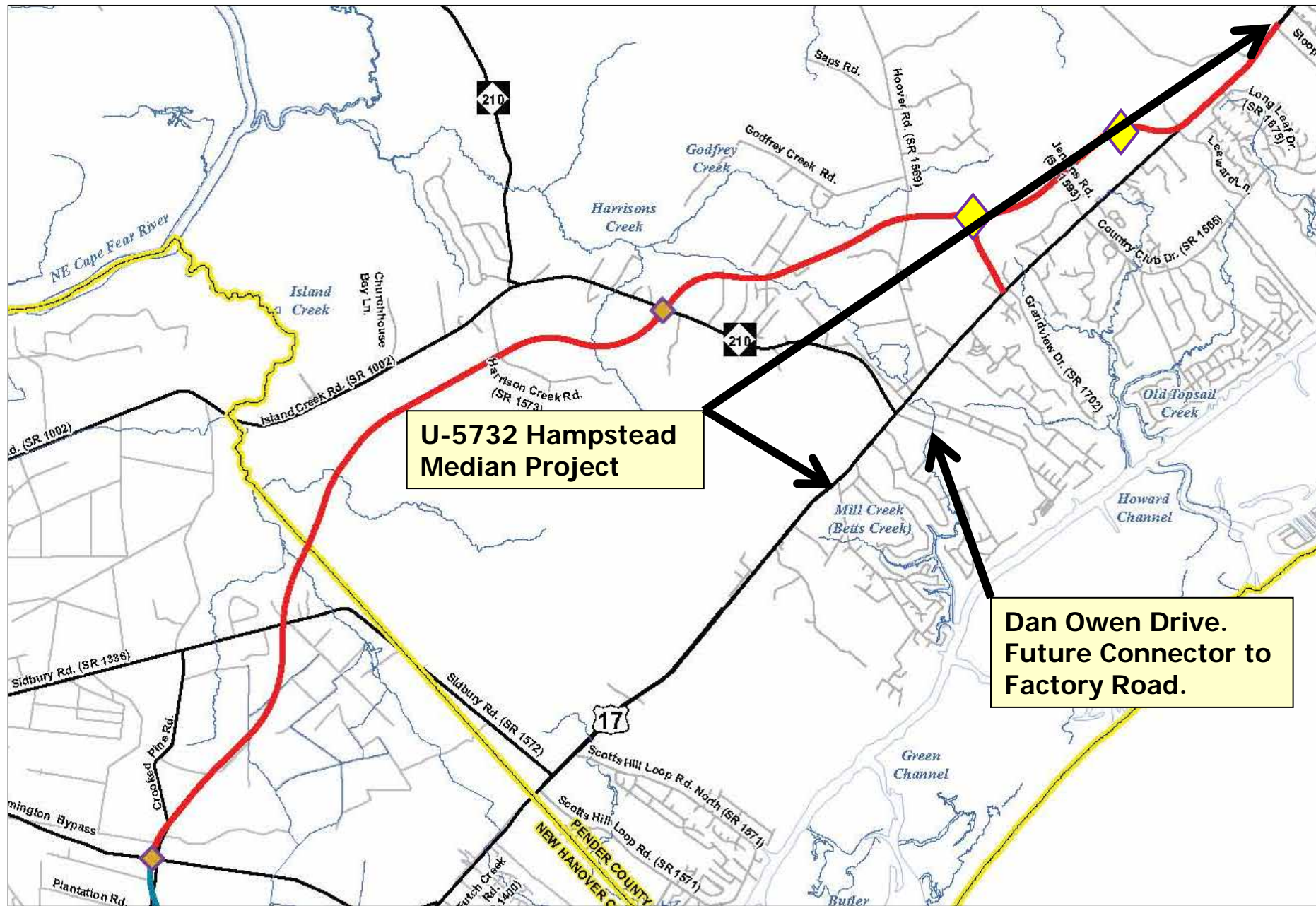
Hampstead Bypass and Median Project

Karen Eason Collette, PE
Division 3 Engineer



Hampstead Bypass: Let Date Fall 2020





Project Overview

- **US 17 Hampstead Bypass - R-3300B**
 - Let Date: Fall 2020 (NC 210 to US 17 North of Hampstead)
 - Four and six-lane divided roadway on mostly new location
 - Full control of access
- **Median Project - U-5732**
 - Hampstead Median Project has been combined with the Hampstead Bypass accelerating the Completion Date.
 - Median Project limits are from Washington Acres to Sloop Point Loop Road.
- **Dan Owen Drive**
 - Constructing new connector road from Dan Owen Drive to Factory Road.
 - Alleviate traffic away from intersection for safety reasons while median is being constructed.
- **Design Engineer: Stantec**

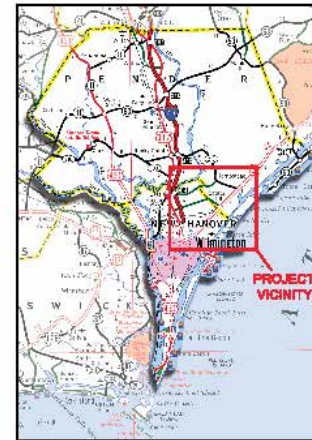
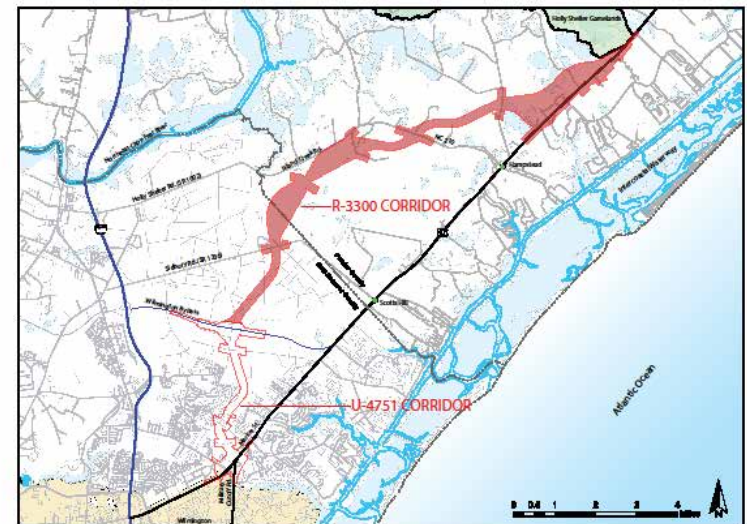


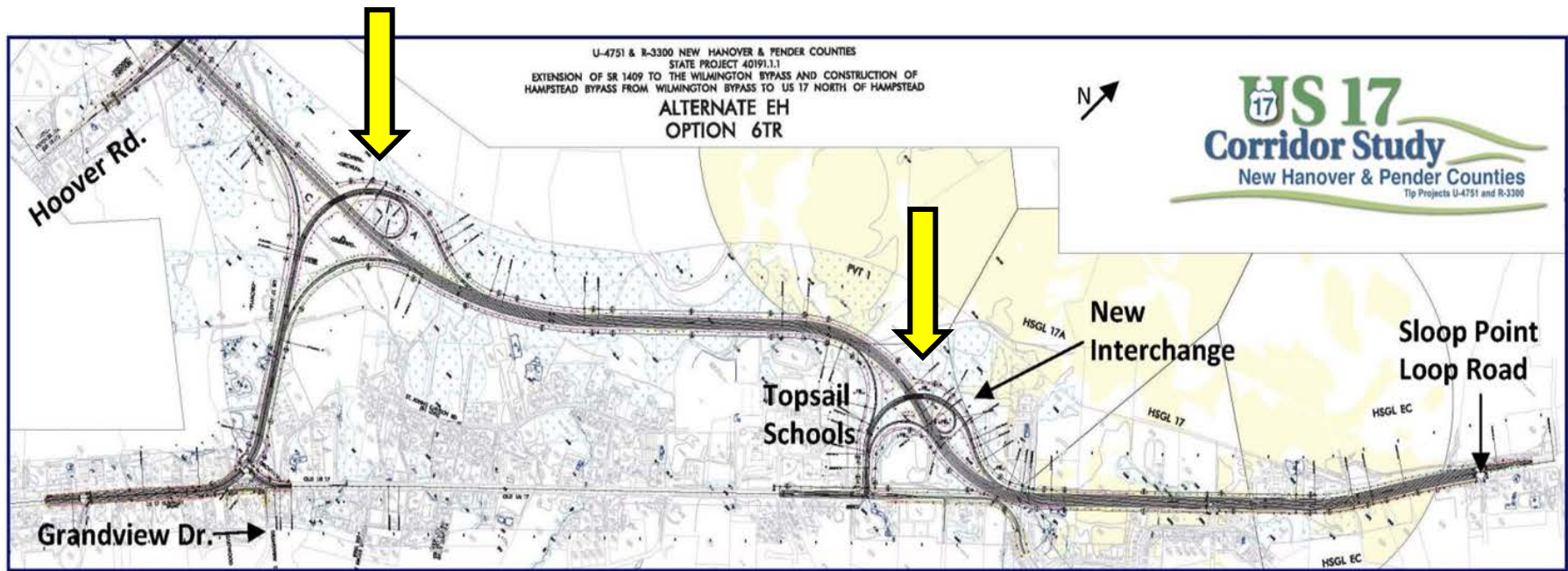
Figure 1
PROJECT VICINITY
US 17 Corridor Study
NCDOT TIP Nos. U-4751 and R-3300
New Hanover and Pender Counties



North Carolina
Department of Transportation



New Interchange to Address Citizens' Concerns



Note: Interchanges and lane configuration are subject to change based on new traffic forecasting and final design.



Project Status

- **R-3300B Hampstead Bypass, NC 210 to US 17 North of Hampstead**
 - **R-3300B Right-of-Way - SFY 2018**
 - **R-3300B Utilities - SFY 2018, 2019 and 2020**
 - **R-3300B Construction – Let Date: 2020. Construction to begin in 2021 from NC 210 to US 17 North of Hampstead.**

- **U-5732 Hampstead Corridor Improvements - 25% revised plans incorporating comments to be submitted for approval once missing areas are completed (survey and design).**
 - **Utility Coordination and Right of Way Acquisition are not under contract to date.**
 - **The R-3300B Project may be accelerated to go ahead of the Median Project to get two lanes of the Bypass opened for use as a detour during the corridor project construction.**

- **Dan Owen Drive - 65% revised plans to be submitted as soon as additional surveys and design on Factory Road are complete.**



US 17 Corridor Looking North past Dan Owen Drive



US 17 Corridor Looking South from Factory Road



Dan Owen Drive – Connector to Factory Road



Dan Owen Drive – Connector to Factory Road



Hampstead Bypass R-3300B



Questions?





Board of Transportation Highways Committee
February 1, 2017



LIDAR

Brian N. Flippin, PE, PLS
Location & Surveys Unit



What is Lidar?

- Light Detection and Ranging (National Geodetic Survey)
- Uses light wavelengths to calculate distance – Time of Flight
- 1960's Apollo Space Program

L&S Lidar Equipment



- Leica Scanstation P-40
- Time of Flight
- 1,000,000 - One Million measurements per second
- 3D Measurement Accuracy: 3mm @ 50 m
- 6mm @ 100 m
- Range: 270m

L&S Lidar Equipment



L&S Lidar Software



GEOPAK Civil Engineering Suite V8i



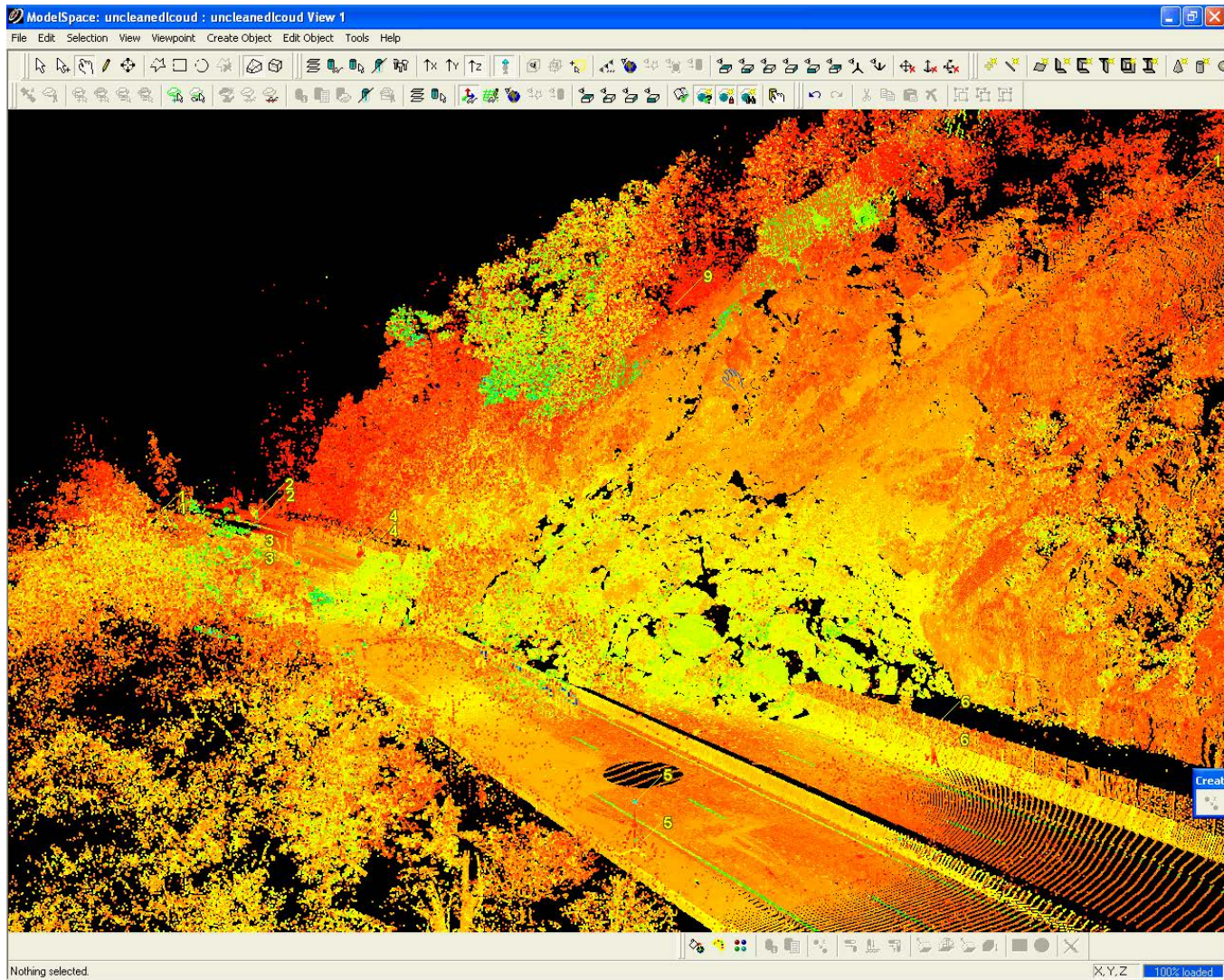
Leica Cyclone
3D Point Cloud Processing



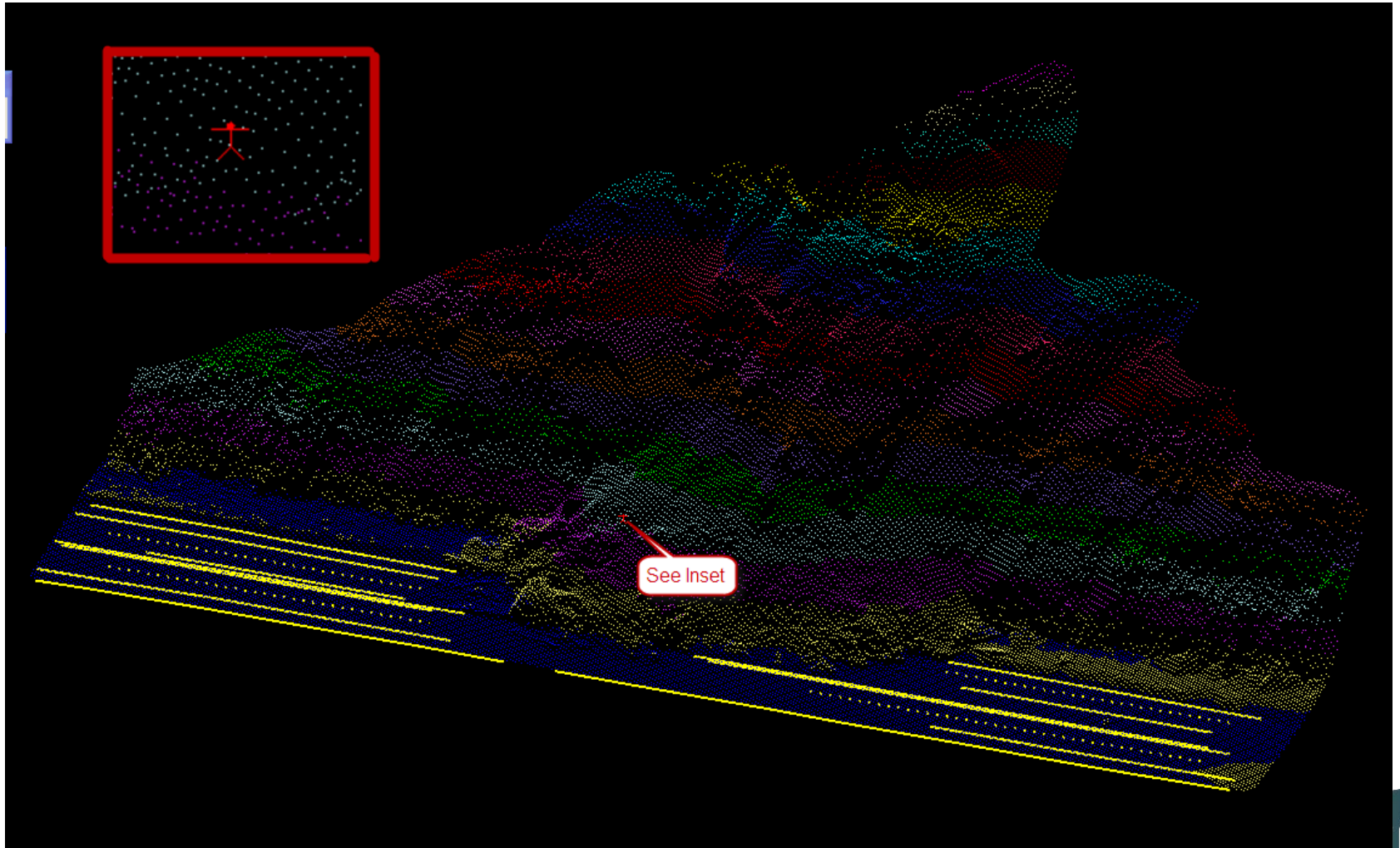
How is L&S Lidar Used?



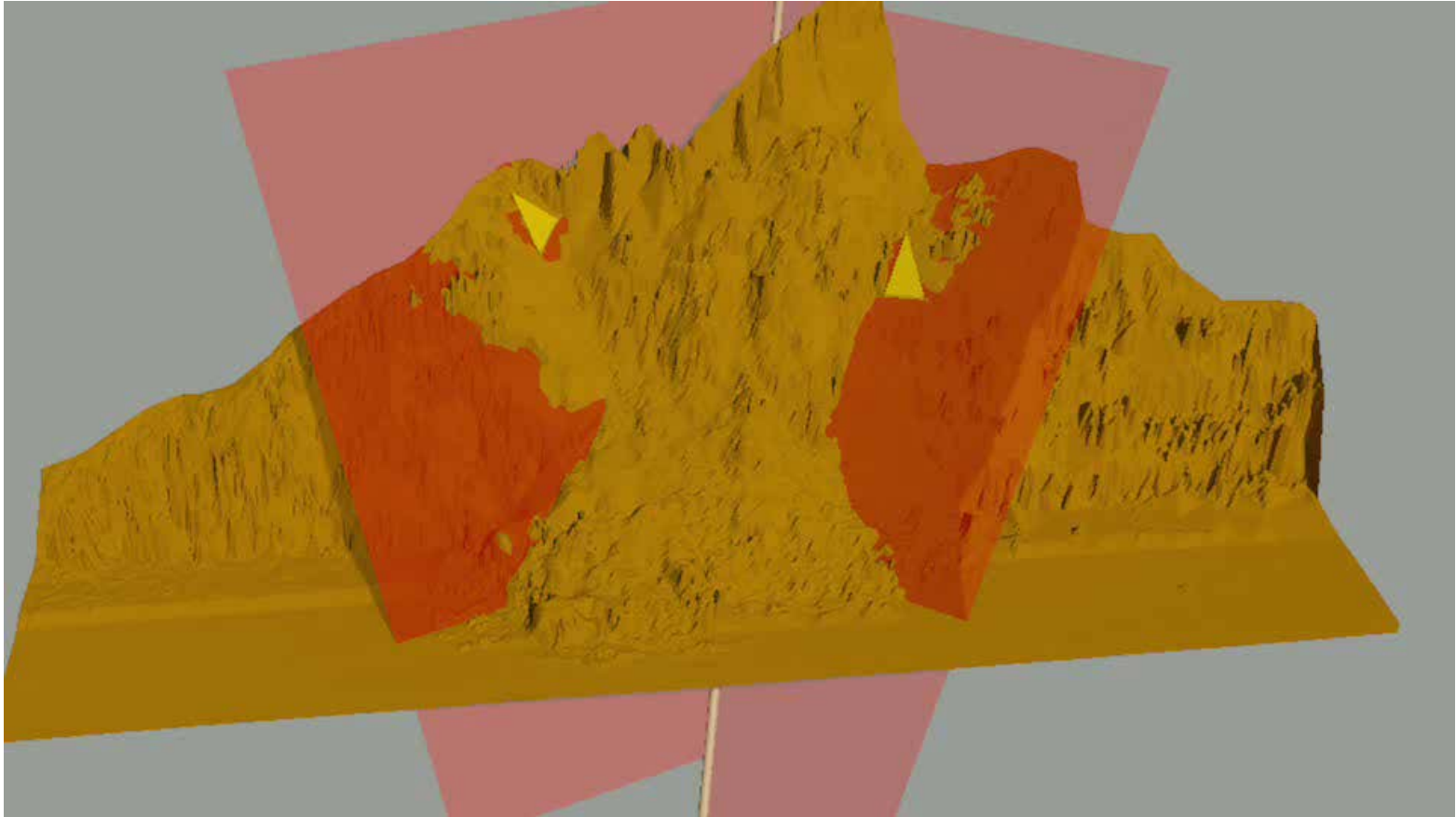
I-40 Rockslide MM 2



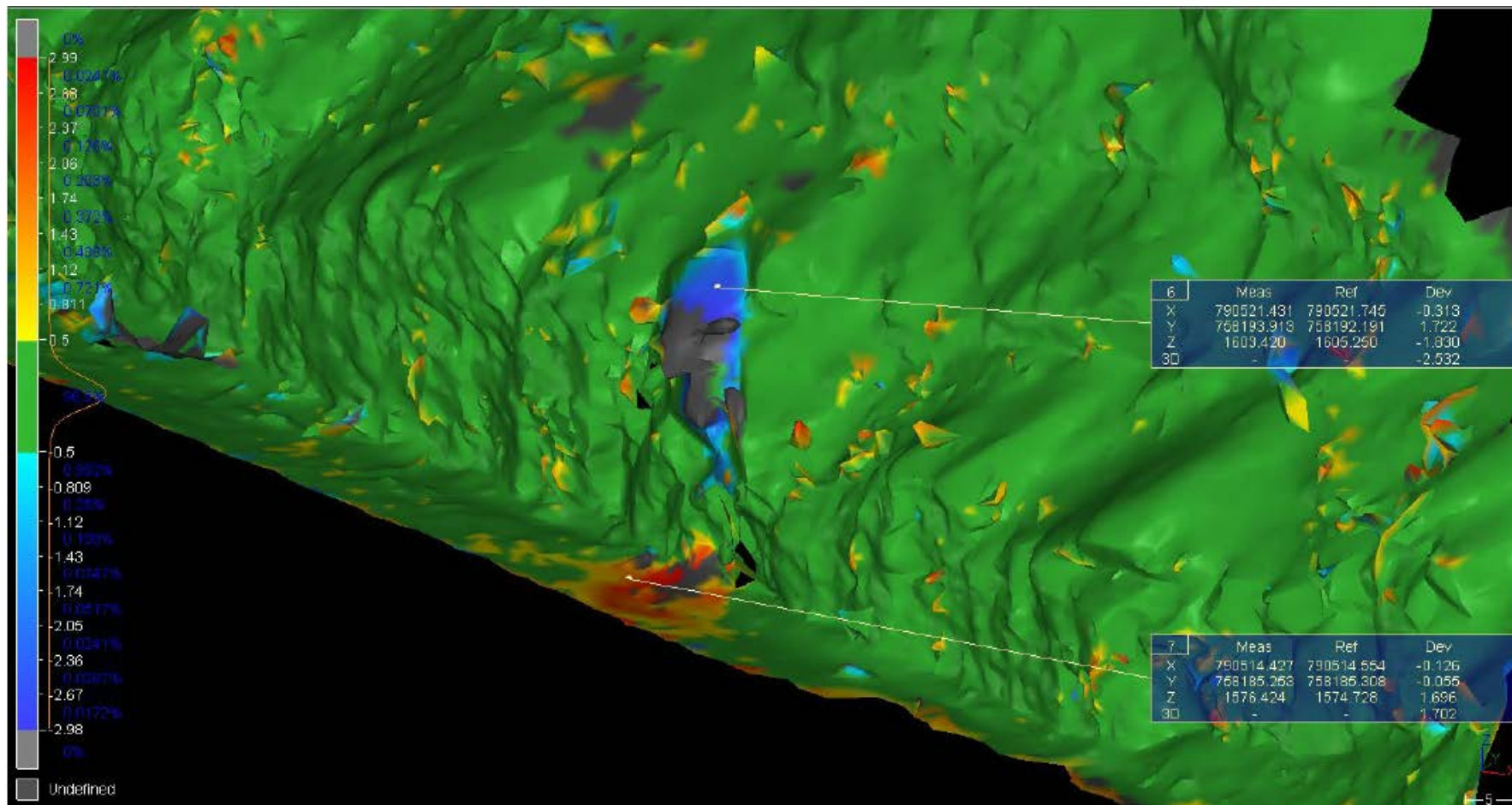
Microstation Deliverable



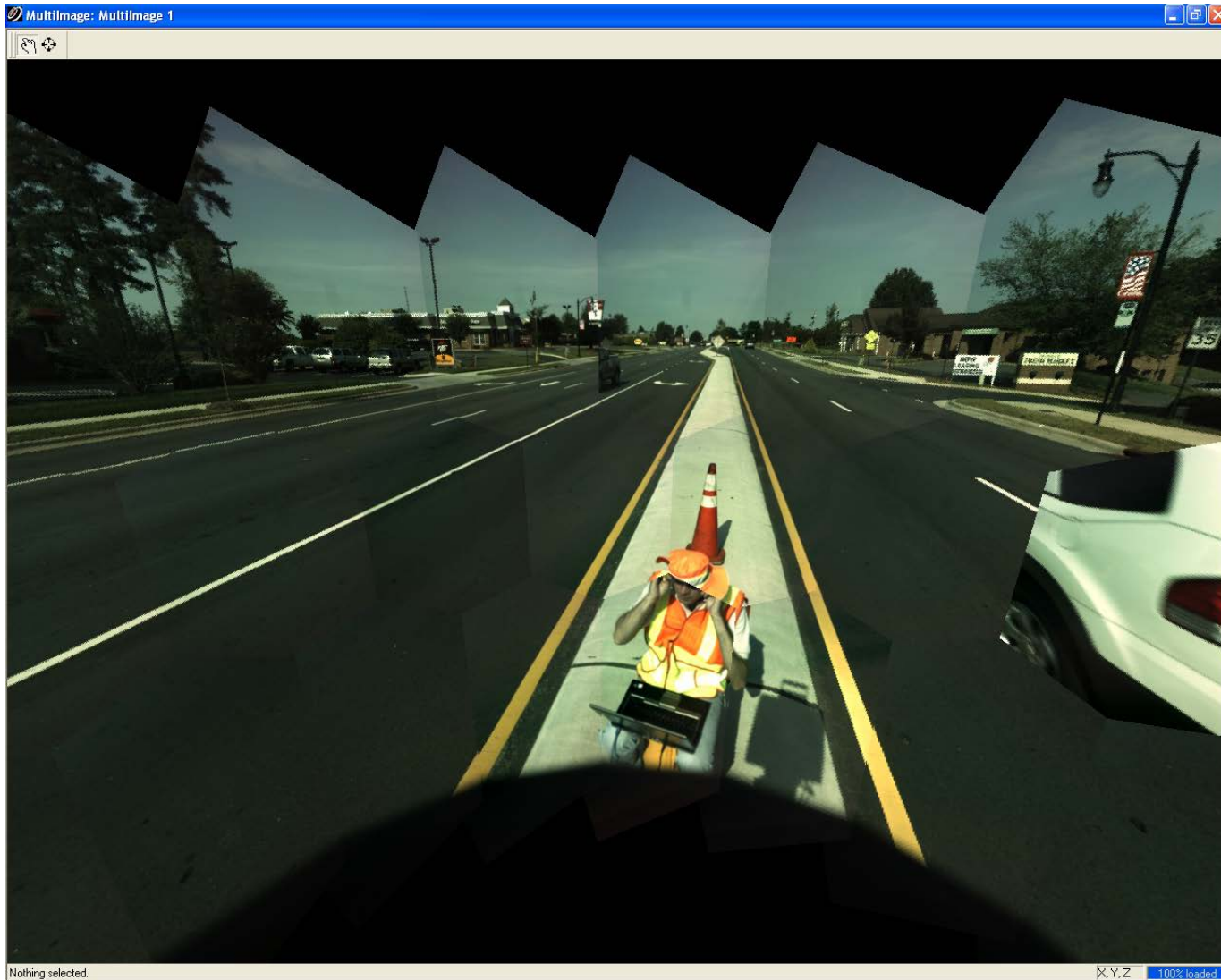
Visualization 3D Video







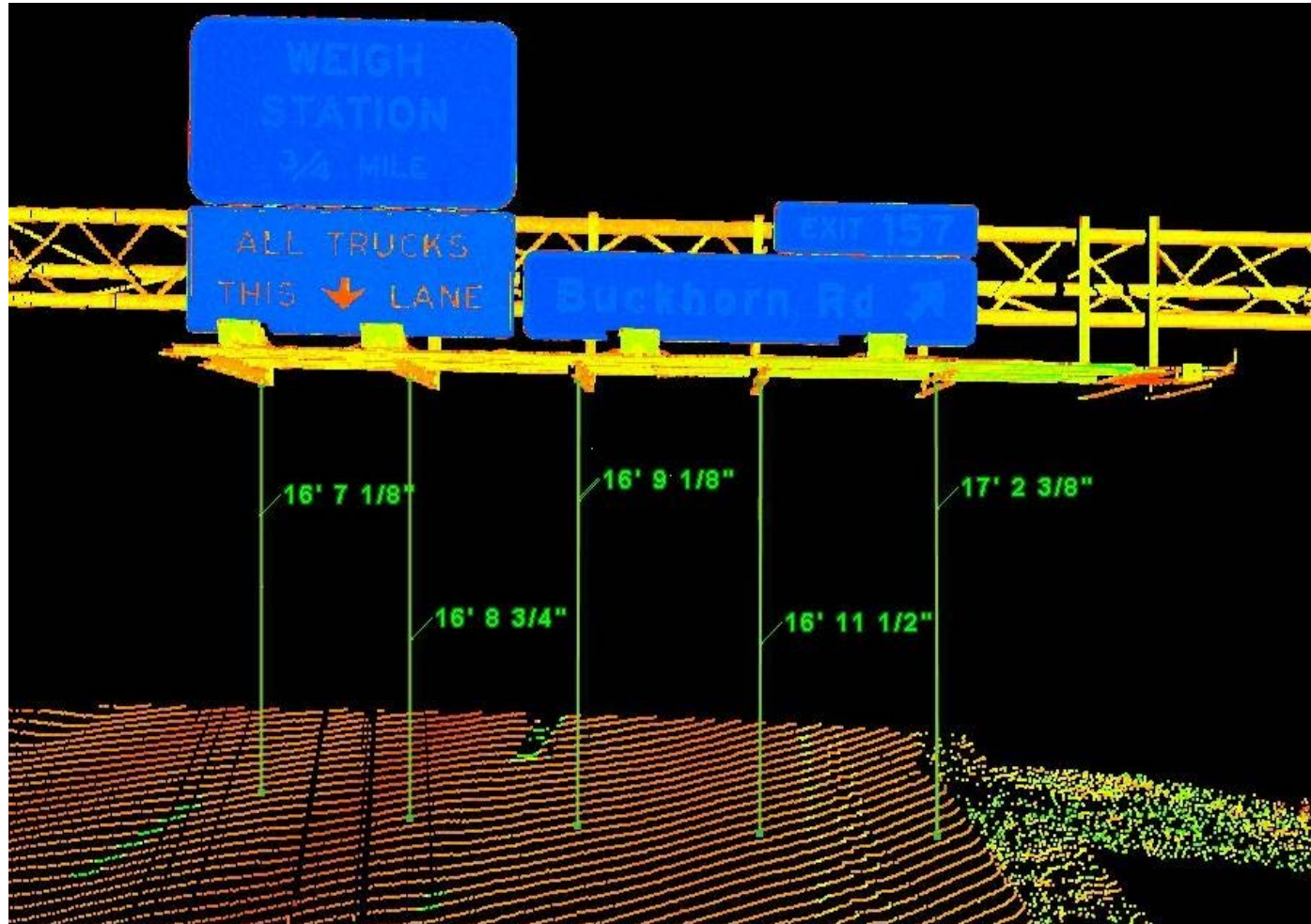
Pavement DTMs for Design and Analysis



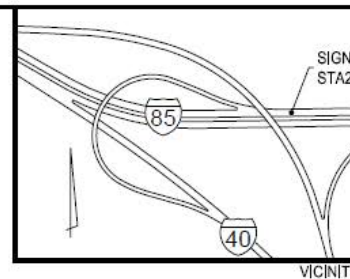




Structures: Signs and Bridges



SIGN DIMENSIONS - STATION 26B



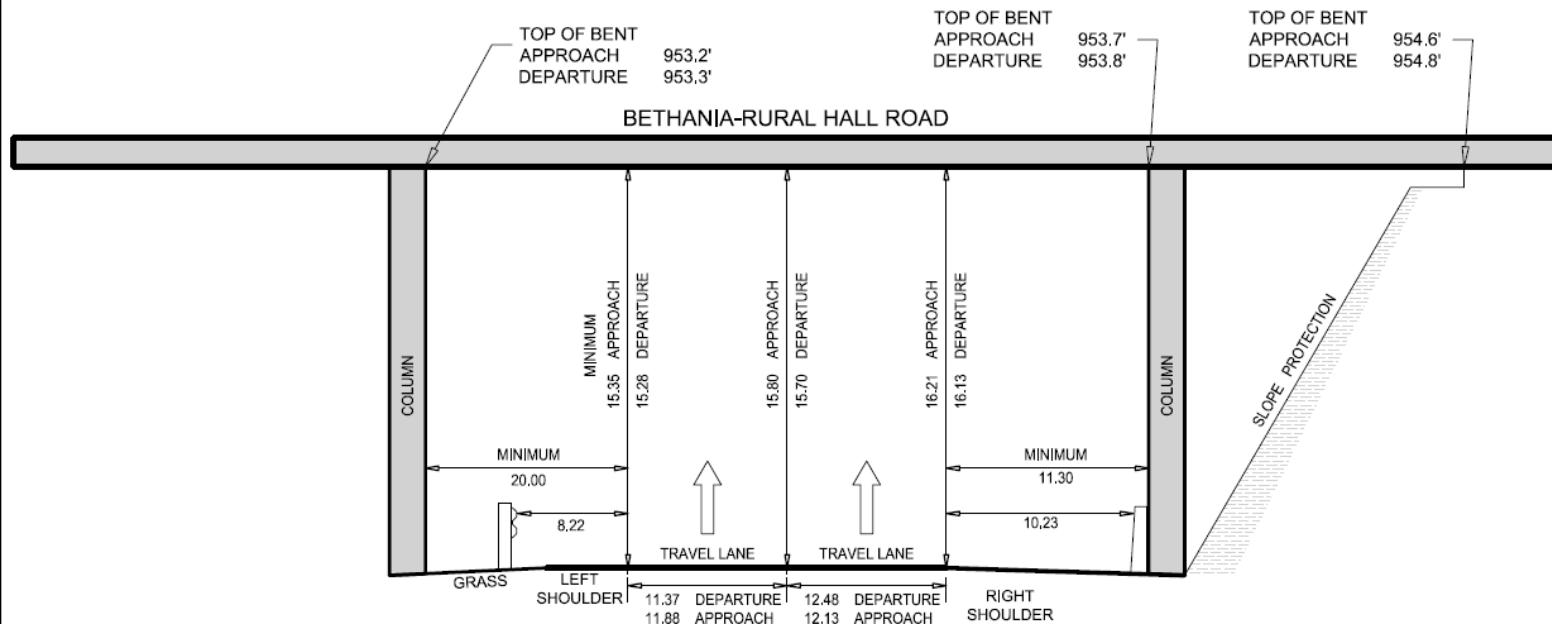
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PROJECT NUMBER:	I85MM164-TS-ESP
DRAWN BY:	CBD
CHECKED BY:	DBH
DATE:	03/22/2016
NOTE: DIMENSIONS OBTAINED FROM STATIC SCAN DATA COLLECTED ON 02/29-03/04/2016.	



ESP Associates, P.A.
P.O. Box 7030 3475 Lakemont Blvd.
Charlotte, NC 28241 Fort Mill, SC 29708
704-583-4949 (NC)
803-802-2440 (SC)
www.espassociates.com



BRIDGE CLEARANCE



US 52 NORTH BOUND
- SECTION VIEW LOOKING NORTHWEST -
 (NOT TO SCALE)



ESP Associates, P.A.
 P.O. Box 7030 3475 Lakemont Blvd.
 Charlotte, NC 28241 Fort Mill, SC 29708
 704-583-4949 (NC)
 803-802-2440 (SC)
www.espassociates.com

PROJECT NAME:	R2247EB
PROJECT NUMBER:	CT23.855
DRAWN BY:	LJJ
CHECKED BY:	DBH
DATE:	07/17/2015
NOTE: DIMENSIONS OBTAINED FROM MOBILE SCAN DATA COLLECTED ON 06/23/2015	



Buildings

T.I.P. U-4438, PASQUOTANK COUNTY (ELIZABETH CITY) / CAMDEN COUNTY



For eastern section of the APE see Figure 2.

Surveyed June 27 and August 2, 2007, NCDOT Historic Architecture

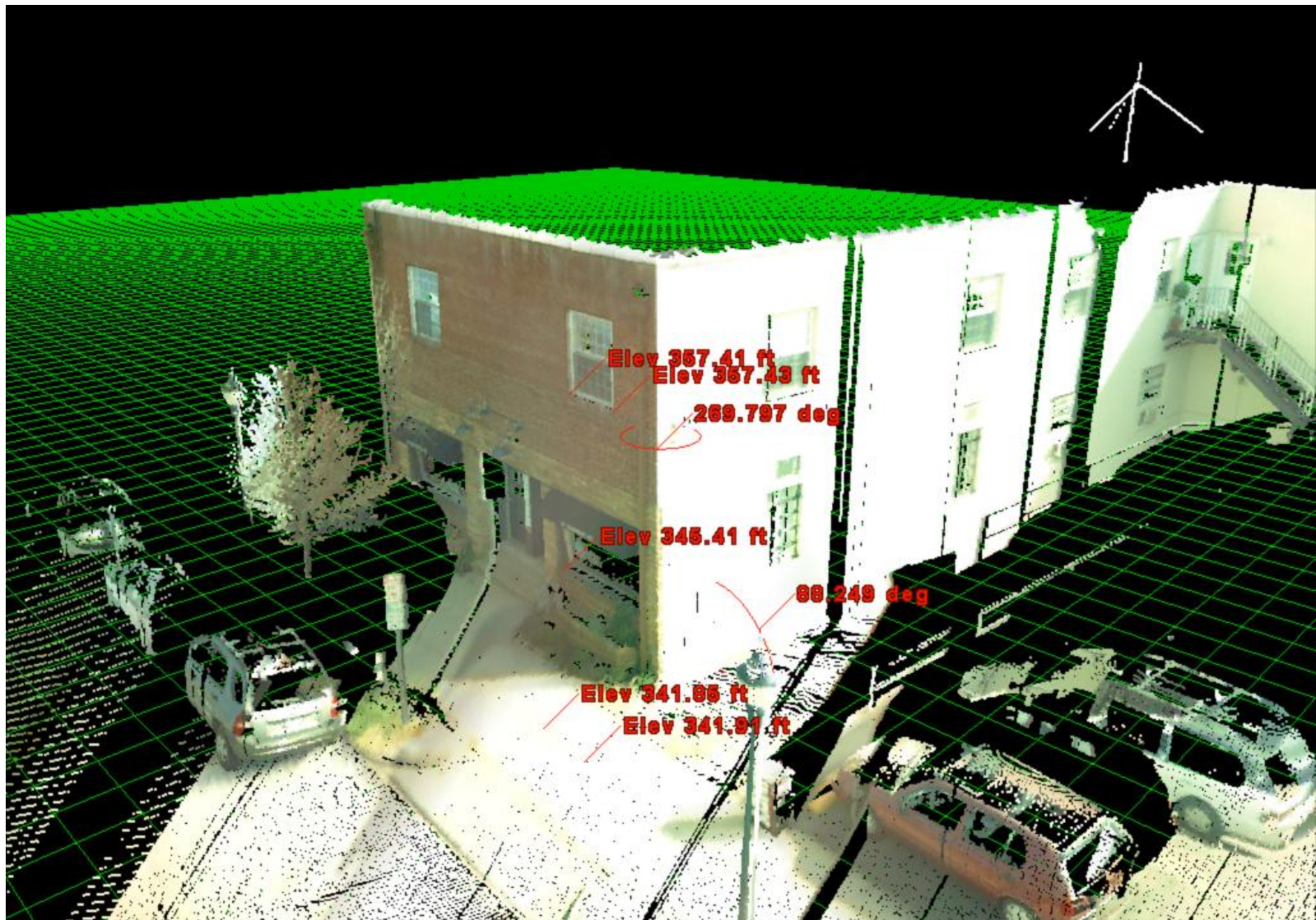
Base map: Pasquotank County GIS, 2008 – Elizabeth City Maps 13 and 14.

Not to scale.

Recorded properties are numbered (see attached inventory for additional information). Properties indicated in red are evaluated for inclusion in the Elizabeth City and Northside Historic Districts (see attached report). Existing National Register boundaries are shown in light blue, the proposed district expansion boundaries in darker blue.

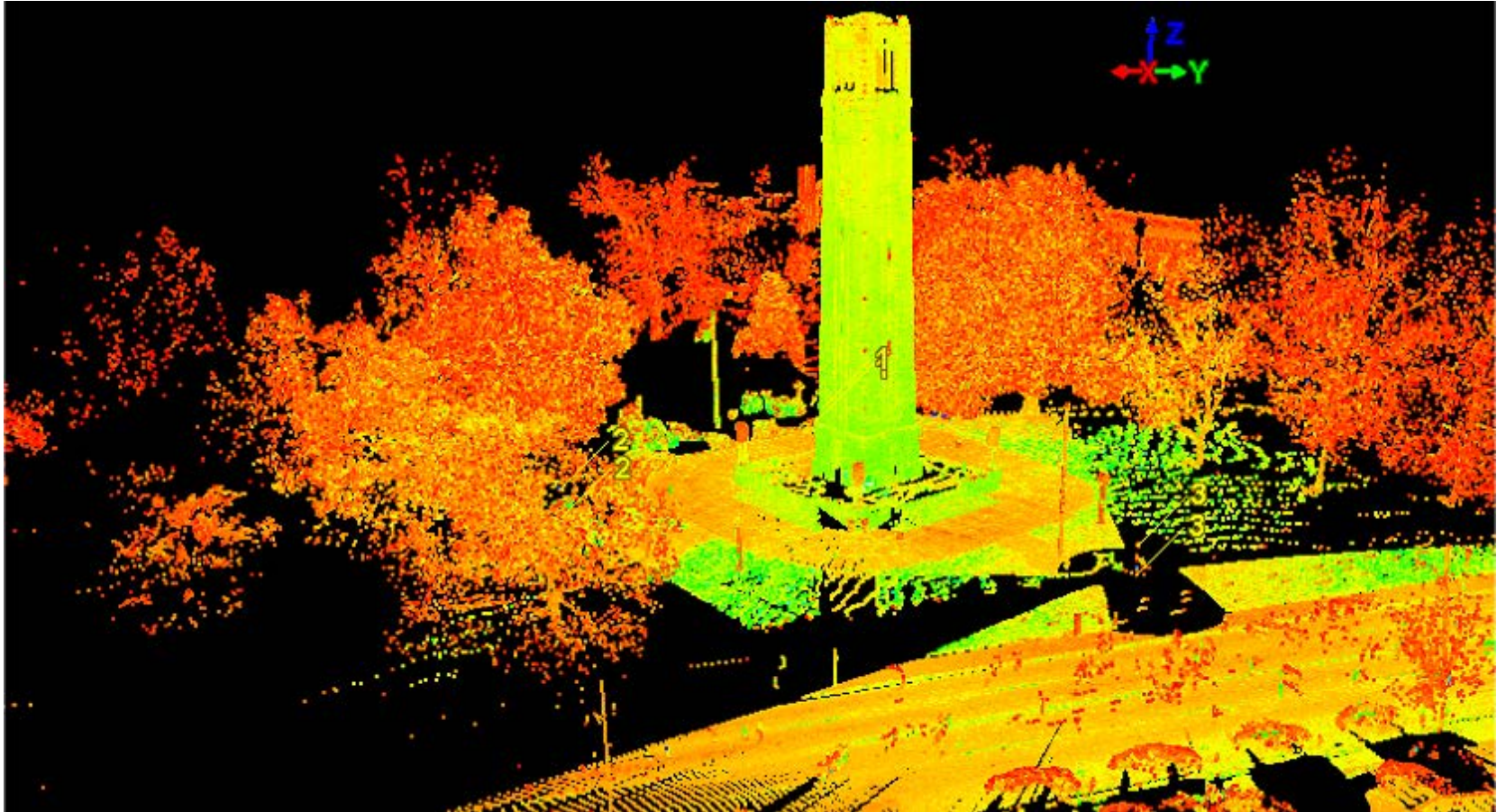








NCSU Bell Tower



NCSU Bell Tower



Mobile Terrestrial Lidar



Mobile Lidar



I-77 Charlotte Mobile Lidar



How Much Scanning Have we Done?

- 10,000 Acres of Highway Mapped with Lidar since 2014
- 1,000s Sign Scans and Bridge Clearances Measured
- Multiple Grant and Research projects through ITRE
- Multiple Safety Improvement Scans
- Utilizing Consultants for \$6,700,000 of work since 2014

Questions?





Transportation

MULTIMODAL COMMITTEE MEETING MINUTES

DATE: 01/04/2017 **TIME:** 10:30am **LOCATION:** EIC

MEETING CALLED BY	Malcolm Fearing
BOARD ATTENDEES	Malcolm Fearing, Tracy Dodson, Cheryl McQueary, Jeff Sheehan, Lou Wetmore, Sandra Fountain, Robbie Collins, Ned Curran

AGENDA TOPICS

1. DECEMBER MINUTES APPROVAL – MALCOLM FEARING	
DISCUSSION SUMMARY	Approval of December Minutes.
ACTIONS TAKEN	Motion to approve was made by Lou Wetmore and seconded by Sandra Fountain. Motion was approved.

2. FUNDING ITEMS –PUBLIC TRANSPORTATION DIVISION & RAIL DIVISION	
DISCUSSION SUMMARY	Information was presented by Debbie Collins and Paul Worley for the Committee's approval.
ACTIONS TAKEN	Motion to approve all items was made by Cheryl McQueary and seconded by Sandra Fountain. Motion was approved.

3. TRANSIT UPDATE – STERLING BAKER	
DISCUSSION SUMMARY	Mr. Baker reported that Mr. Weatherly retired on December 31, 2016 and he would be representing staff until there is a new Deputy Secretary in place. No major items to discuss.
ACTIONS TAKEN	Informational

MULTIMODAL COMMITTEE MEETING MINUTES

4. PUBLIC TRANSPORTATION UPDATE – DEBBIE COLLINS

DISCUSSION SUMMARY	Ms. Collins reported that as of November 2016, 1800 people are still displaced following Hurricane Matthew. There was a 2% decrease in ridership, which is believed to be due to fewer days of operations. On their Public Transportation Division's Scorecard Ms. Collins reported a score of 96.6% and stated that for 2018 they are considering adding some new areas for measurement.
ACTIONS TAKEN	Informational

5. RAIL – PAUL WORLEY

DISCUSSION SUMMARY	<p>Mr. Worley reported that the "last mile" project is on-going. The project incorporates several modes allowing a transfer pass that will allow access to several local destinations.</p> <p>The Kannapolis depot installed bicycle "lids" which allow a passenger to arrive at the depot by bicycle, secure it and retrieve the bicycle upon their return. These lids are painted like locomotives.</p> <p>CSX updates: Preliminary engineering and environmental studies are underway, hoping for a 2018 opening date.</p>
ACTIONS TAKEN	Informational

6. BICYCLE AND PEDESTRIAN – ED JOHNSON

DISCUSSION SUMMARY	Mr. Johnson reported that there were no new items to discuss.
ACTIONS TAKEN	Informational

MULTIMODAL COMMITTEE MEETING MINUTES

7. AVIATION – BOBBY WALSTON

DISCUSSION SUMMARY	<p>Drones are still one of the Aviation Division's main focus areas. They have been coordinating closely with the FAA to ensure information on regulations and requirements is disseminated as much as possible. They are utilizing Facebook, Twitter, and You Tube videos through the Aviation website.</p> <p>Mr. Walston also reported that shortly before Christmas a drone was found on a runway at Winston-Salem. The FAA is investigating.</p> <p>At the end of December Wake County will be performing a UAS integration exercise to develop plans for public safety and emergency air space control.</p>
ACTIONS TAKEN	Informational

8. FERRY – ED GOODWIN

DISCUSSION SUMMARY	<p>Mr. Goodwin reported that on New Year's Eve night the M/V Stanford White collided with a private sport fishing vessel in the Hatteras Channel. No one was hurt, standard protocols were followed and all drug and alcohol tests were clear for all parties. There was no damage to the ferry, but the private vessel suffered a significant amount of damage and the Coast Guard is investigating the incident.</p> <p>Challenges with the Purchasing Order/Invoicing processes were discussed. Cheryl McQueary offered to place the topic on an upcoming agenda of the FAST committee.</p>
ACTIONS TAKEN	Informational

MULTIMODAL COMMITTEE MEETING MINUTES

9. PIEDMONT IMPROVEMENT PROGRAM UPDATE – PAUL WORLEY	
DISCUSSION SUMMARY	<p>Mr. Worley presented the committee with the progress of the Piedmont Improvement Program highlighting the timelines and funding.</p> <p>The CSX was discussed and Cheryl McQueary offered congratulations to Mr. Worley and his team on receiving the Order of the Long Leaf Pine award for all their work on the CSX project.</p>
ACTIONS TAKEN	Informational

Meeting adjourned at 11:16



MULTIMODAL COMMITTEE AGENDA

BOARD OF TRANSPORTATION FEBRUARY 1, 2017

TIME: 1:30pm

LOCATION: EIC

TOPIC	PRESENTER	TIME
Call to Order	Chairman Perkins	1:30
Approval of Minutes	Chairman Perkins	1:30-1:35
Funding Items (PTD, Rail, Aviation)	Transit Directors	1:35-1:40
Transit Update	Sterling Baker	1:40-1:45
Public Transportation Update	Debbie Collins	1:45-1:50
Rail Update	Paul Worley	1:50-1:55
Bicycle and Pedestrian Update	Ed Johnson	1:55-2:05
Ferry Update	Ed Goodwin	2:05-2:15
Aviation Update	Bobby Walston	2:15-2:25
Division of Aviation Quarterly Briefing	Bobby Walston	2:25-3:00
Adjourn	Chairman Perkins	3:00



February 2, 2017

Division of Aviation Quarterly Briefing

Bobby Walston, Director



Division of Aviation
2016 Safety Preservation & Maintenance Program



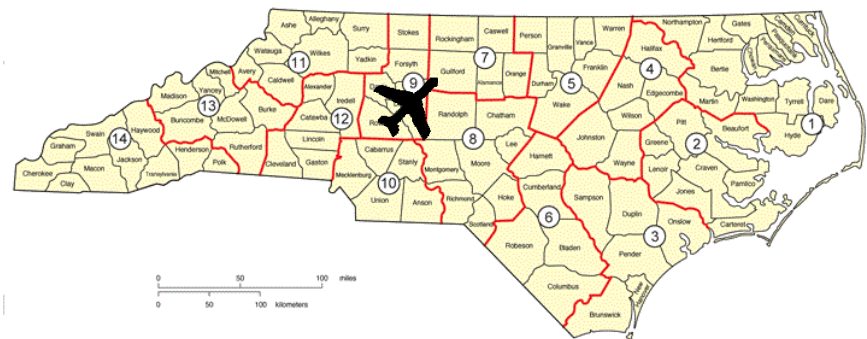
2016 Safety Preservation & Maintenance Program

Davidson County Airport (EXX)



- Runway, Taxiway & Apron Crack Sealing
- Marking Cleaning & New Application
- Rehab of Existing Rotating Beacon & Equipment Shed
- Total Project Costs: \$54,866.28

Davidson County – Division 9



- 5,004' x 100' Runway
- Provides Access to Historic Lexington, NC and Famous BBQ



*2016 Safety Preservation & Maintenance
Program
Davidson County Airport (EXX)*



Before



Before/After



*2016 Safety Preservation & Maintenance
Program
Davidson County Airport (EXX)*



Before



After



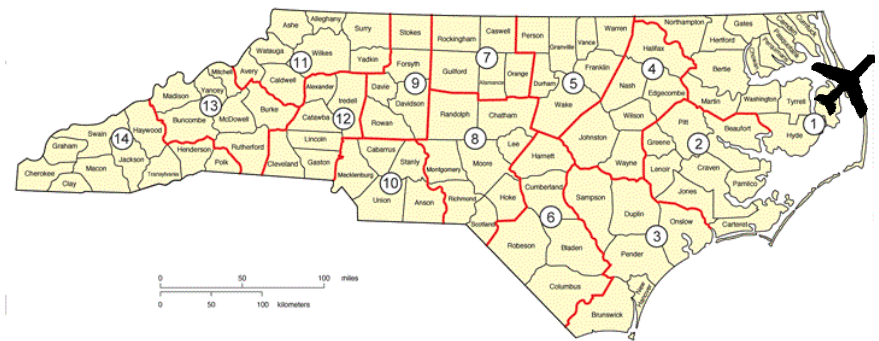
2016 Safety Preservation & Maintenance Program

First Flight Airport (FFA)



- Runway, Taxiway Stub & Apron Rejuvenation
- New Markings
- Runway Re-Designation
- Pilot's Lounge Safety Improvements & Maintenance
- Total Project Costs: \$99,757.59

Dare County – Division 1



- 3,000' x 60' Runway
- Provides Access to Outer Banks and Wright Brothers National Memorial
- US National Park Service Airport



2016 Safety Preservation & Maintenance Program First Flight Airport (FFA)



Before



After



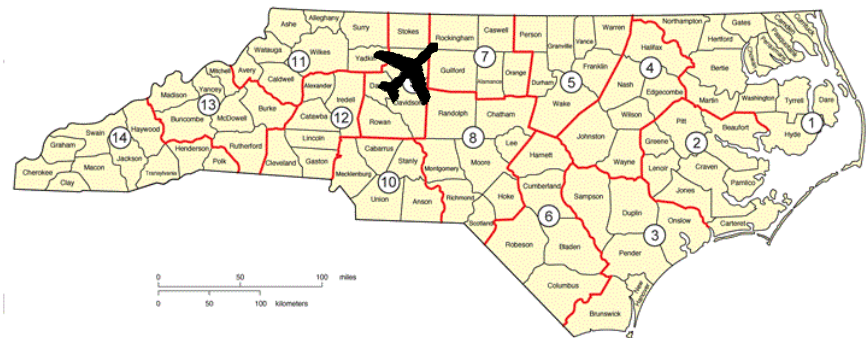
2016 Safety Preservation & Maintenance Program

Smith Reynolds Airport (INT)



- Runway Crack Sealing & Coal Tar Application
- Marking Cleaning & New Application
- Total Project Costs: \$39,533.67

Forsyth County – Division 9



- 6,655' x 150' Runway 15/33
- 3,938' x 150' Runway 4/22
- Provides Access to Winston-Salem Area
- Significant Corporate/Charter Activity for Nearby Employer Executives



2016 Safety Preservation & Maintenance Program Smith Reynolds Airport (INT)



Before



2016 Safety Preservation & Maintenance Program Smith Reynolds Airport (INT)



After



2016 Safety Preservation & Maintenance Program

Johnston Regional Airport (JNX)



- Runway Rejuvenation of Runway, Taxiways and Aprons
- New Markings Throughout Airfield
- Total Project Costs: \$296,315.42

Johnston County – Division 4



- 5,500' x 100' Runway 3/21
- Reliever Airport to RDU; provides access to Smithfield Area
- Significant Corporate/Charter Activity and FBO Operation



2016 Safety Preservation & Maintenance Program Johnston Regional Airport (JNX)



Before



2016 Safety Preservation & Maintenance Program Johnston Regional Airport (JNX)



After



*2016 Safety Preservation & Maintenance
Program
Johnston Regional Airport (JNX)*



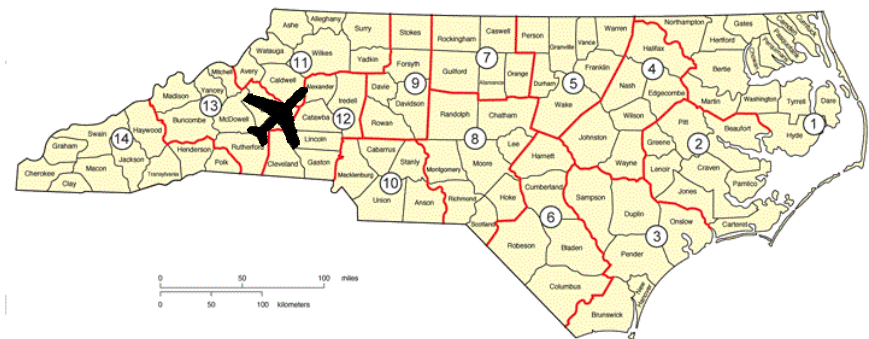
2016 Safety Preservation & Maintenance Program

Foothills Regional Airport (MRN)



- Pavement Rejuvenation of Runway and Taxiways
- New Markings, Windsock and Segmented Circle Improvements, Safety Improvements on Apron
- Total Project Costs: \$128,094.31

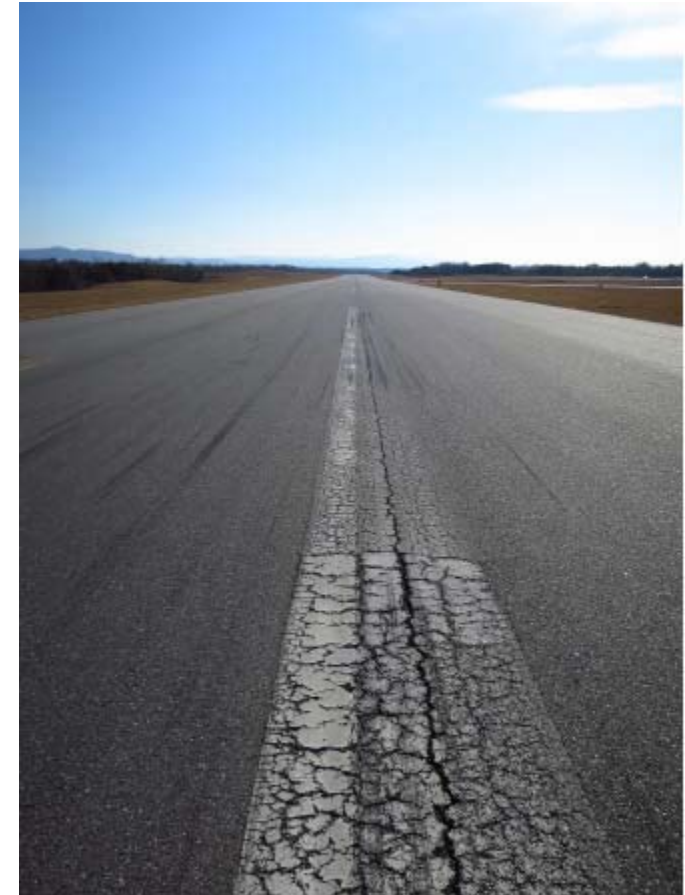
Burke County – Division 13



- 5,500' x 75' Runway 3/21
- Located Between Hickory, Lenoir and Morganton Areas
- Easy Access to Rhodhiss Lake, Blowing Rock, Boone and Banner Elk



*2016 Safety Preservation & Maintenance
Program
Foothills Regional Airport (MRN)*



Before



Transportation

2016 Safety Preservation & Maintenance Program Foothills Regional Airport (MRN)



After



*2016 Safety Preservation & Maintenance
Program
Foothills Regional Airport (MRN)*



2016 Safety Preservation & Maintenance Program

Cape Fear Regional Jetport (SUT)



- Rehabilitation (Coating) of Existing Rotating Beacon Tower
- Additional Rehabilitation (Coating) of Existing AWOS and Windsock Towers
- Total Project Costs: \$19,265.70

Brunswick County – Division 3



- 5,505' x 100' Runway 5/23
- Provides Year-Round Tourist Access to Brunswick County Islands
- Significant Corporate/Charter Activity and FBO Operation



*2016 Safety Preservation & Maintenance
Program
Cape Fear Regional Jetport (SUT)*



Before



Transportation

*2016 Safety Preservation & Maintenance
Program
Cape Fear Regional Jetport (SUT)*



After



Transportation

2016 Safety Preservation & Maintenance Program

Lumberton Regional Airport (LBT)



- Pavement Rejuvenation of Runway; Including Asphalt Patch
- New Markings and Crack Sealing Operation
- Total Project Costs: \$330,910.39

Robeson County – Division 6



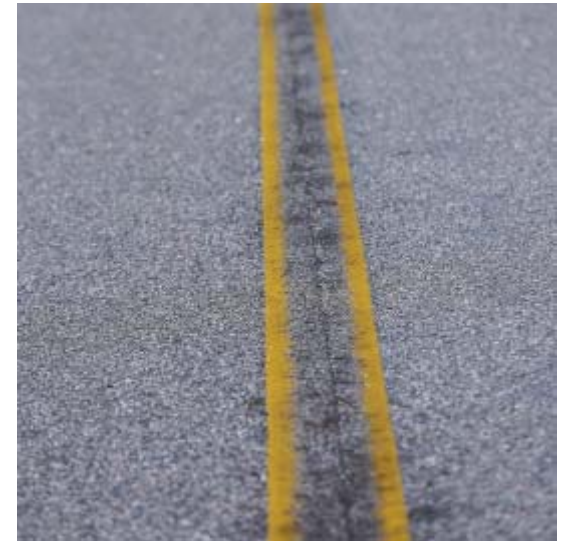
- 5,502' x 150' Runway 5/23
- 5,003' x 75' Runway 13/31
- Located Near NC/SC State Line, Close Proximity to I-95
- Access to Lumberton Area, Equidistant to Fayetteville, NC and Florence, SC



2016 Safety Preservation & Maintenance Program Lumberton Regional Airport (LBT)



Before



Transportation

*2016 Safety Preservation & Maintenance
Program
Lumberton Regional Airport (LBT)*



After



Transportation

*2016 Safety Preservation & Maintenance
Program
Lumberton Regional Airport (LBT)*



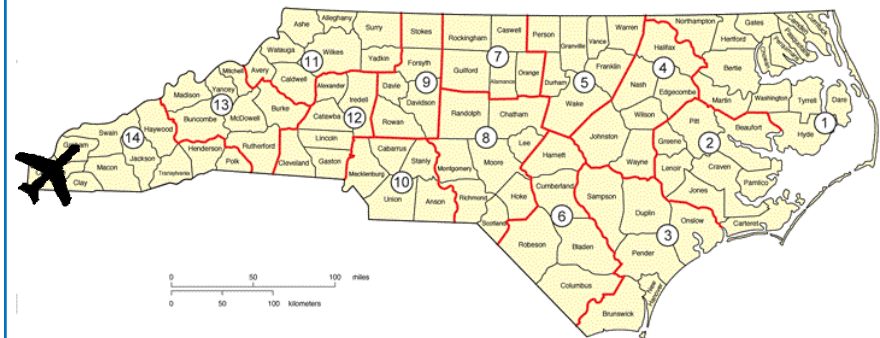
2016 Safety Preservation & Maintenance Program

Western Carolina Regional Airport (RHP)



- Pavement Rejuvenation of Runway and Taxiways
- New Markings, Edges of Runway Scraped (“Peeled Back”) – Improves Safety & Drainage
- Total Project Costs: \$102,199.67

Cherokee County – Division 14



- 5,500' x 100' Runway 8/26
- Located in Far Western Portion of State
- Access to Murphy and Cherokee County Attractions (Casino, Hiwassee Lake, Etc.)



*2016 Safety Preservation & Maintenance
Program
Western Carolina Regional Airport (RHP)*



Before



Transportation

*2016 Safety Preservation & Maintenance
Program
Western Carolina Regional Airport (RHP)*



After



Transportation

*2016 Safety Preservation & Maintenance
Program
Western Carolina Regional Airport (RHP)*



Transportation

Thank you



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

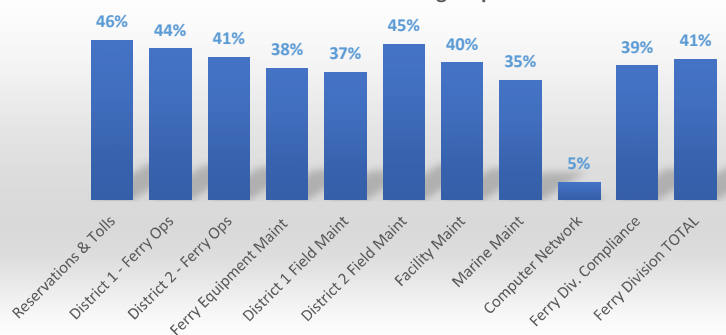
Ridership (Vehicles)

Ferry Routes	CY16 NOV	CY15 NOV	DELTA	FY17 YTD	FY16 YTD	DELTA
Currituck - Knotts Island	1,347	1,275	5.6%	8,411	9,346	-10.0%
Hatteras - South Dock	11,532	10,971	5.1%	131,791	138,164	-4.6%
Swan Quarter - Ocracoke	2,304	1,899	21.3%	16,518	17,321	-4.6%
Cedar Island - Ocracoke	2,496	2,457	1.6%	23,795	24,747	-3.8%
Aurora - Bayview	4,165	3,981	4.6%	21,477	21,161	1.5%
Cherry Branch - Minnesott	15,531	14,448	7.5%	85,806	84,418	1.6%
South Port - Fort Fisher	12,109	11,621	4.2%	95,444	93,531	2.0%
Emergency Ferry Rt.	N/A	N/A	N/A	N/A	N/A	N/A
Monthly Total	49,484	46,652	6.1%	383,242	388,688	-1.4%
Schedule Maintained	98.2%	98.2%	0.0%	95.8%	94.6%	1.3%

Budget (Operations & Maintenance)

Departments	FY2017 Spending Plan	FY17 Expenditures through NOV 2016
Reservations & Tolls	\$ 560,435.00	\$ 259,667.34
District 1 - Ferry Ops	\$ 11,206,342.00	\$ 4,911,337.31
District 2 - Ferry Ops	\$ 8,755,690.00	\$ 3,607,034.82
Ferry Equipment Maint	\$ 13,365,661.00	\$ 5,099,022.91
District 1 Field Maint	\$ 589,121.00	\$ 218,017.72
District 2 Field Maint	\$ 495,918.00	\$ 223,140.91
Facility Maint	\$ 492,364.00	\$ 195,393.05
Marine Maint	\$ 1,205,432.00	\$ 418,386.15
Computer Network	\$ 3,757.00	\$ 191.07
Ferry Div. Compliance	\$ 1,650,280.00	\$ 642,161.61
Ferry Division TOTAL	\$ 38,325,000.00	\$ 15,574,352.89

Percent of Planned Budget Spent



Status of Capital Reserves Funds

Routes	WBS	WBS Balance as of	NOV 2016
FER Sys Cptl All Routes	16SP.501.1	\$	111,776.00
FER D1 Currituck-Knotts Island Cap Reserve	16SP.511.1	\$	24,990.65
FER D1 Hatteras Inlet Cap Reserve	16SP.512.1	\$	178,580.71
FER D1 Swan Quarter - Ocracoke Island Cap Reserve	16SP.513.1	\$	1,466,559.90
FER D1 Ocracoke Island of OI-Cedar Island Cap Reserve	16SP.514.1	\$	1,348,973.18
FER D2 Pamlico River Route Cap Reserve	16SP.521.1	\$	27,766.35
FER D2 Cherry Branch - Minnesott Beach Cap Reserve	16SP.522.1	\$	140,182.56
FER D2 Cedar Island of OI - Cedar Island Cap Reserve	16SP.523.1	\$	1,348,973.19
FER D3 South Port - Fort Fisher Cap Reserve	16SP.531.1	\$	3,003,235.73
FER Shipyard Capital Reserve	16SP.43	\$	1,438,394.38
Total		\$	9,089,432.65

Updates or Comments

1. Swan Quarter OPS building replacment 90% complete.
2. Cherry Branch OPS building replacment 70% complete.
3. Contracts for contruction of passenger ferry to be let in March.
4. Contracts for terminal improvements for passenger ferry to be let in March.

Shipyard Capital Reserve Brief

Expenditures	NOV 2016	Cumulative
16SP.43.1	-\$28,678.57	\$264,999.63
Receipts	NOV 2016	Cumulative
16SP.43.2	\$20,965.70	\$1,703,394.01
Commitment Line Items		Value
Dessicant Dryer Package (Air Power)		\$49,215.53
Heavy Duty Mobility Gear - multiple		\$258,032.21
Underground bores-materials (Contracted)		\$13,374.00
Machining tools		\$36,509.55
PSC Operator Control Console (Vessel Lift)		\$93,137.00
Total Commitments		\$450,268.29
Upcoming priorities		Estimate
Water tower restoration		\$500,000.00
Replace 30 year old boiler system		\$100,000.00
Pending Receipts	Amount	



PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT **NCDOT RAIL DIVISION for the Month of NOVEMBER 2016**

Ridership

	FFY17 NOV	FFY16 NOV	Δ	FFY17 YTD	FFY16 YTD	Δ
Carolinian	21,984	24,066	-9%	46,912	51,480	-9%
Piedmont	14,307	15,111	-5%	27,612	29,357	-6%
Total	36,291	39,177	-7%	74,524	80,837	-8%

Number of Trains

Average Number of Passengers per Train

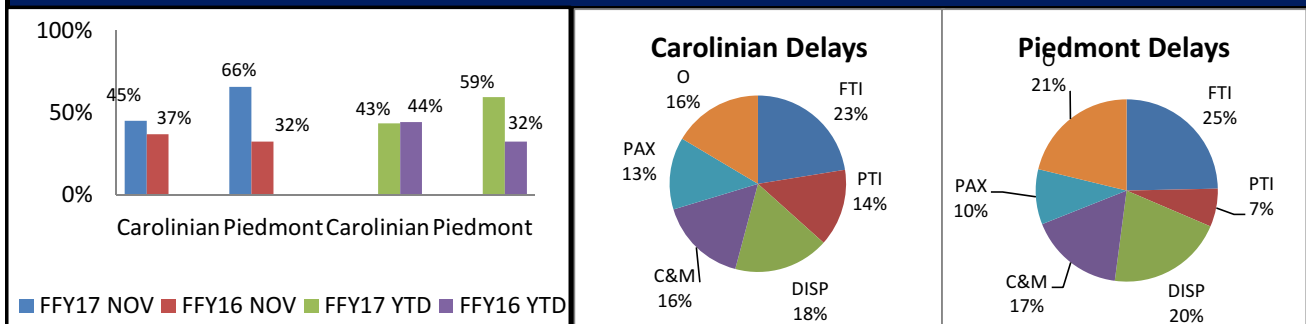
FFY17 NOV	FFY16 NOV	Service	FFY17 NOV	FFY16 NOV	Δ
54	60	Carolinian	407	401	1%
114	118	Piedmont	126	128	-2%

Revenue

	FFY17 NOV	FFY16 NOV	Δ	FFY17 YTD	FFY16 YTD	Δ
Carolinian	\$1,416,078	\$1,542,557	-8%	\$2,796,165	\$3,063,847	-9%
Piedmont	\$310,293	\$329,304	-6%	\$592,144	\$630,562	-6%
Total	\$1,726,371	\$1,871,861	-8%	\$3,388,309	\$3,694,408	-8%
Amenities & Vending	Mo. Surcharge + Vending Income	\$21,254	Mo. Expense	\$3,534	Mo. Surplus	\$17,720

November 2016 service modifications and annulments impacted 8 Piedmont trains and 8 Carolinian trains. On November 7 and 14, Trains 73 and 76 were cancelled, and Trains 74 and 75 operated between Raleigh and Greensboro only due to PIP track work. Also on November 14, Trains 79 and 80 were cancelled due to PIP track work and CSX construction. On November 15, 18, and 19, Trains 79 and 80 operated only between Raleigh and Charlotte due to CSX track work and signal suspension. Additional disruptions for PIP project work will continue to occur as necessary through completion of the project. Average gasoline prices remained low in November 2016.

On-time Performance



*Carolinian and Piedmont delays were 6,830 and 3,600 minutes, respectively. FTI - Freight Train Interference; PTI - Passenger Train Interference; DISP - Dispatch Related; C&M - Construction, Maintenance; PAX - Any Passenger Related; O - All Other Delays (e.g. weather, mechanical). Carolinian trains arriving within 20 minutes and Piedmont trains within 10 minutes of schedule are considered on time.

Overall Customer Satisfaction

	FFY17 OCTOBER	FFY16 YEAR-END	Δ
Carolinian	73%	75%	-2%
Piedmont	94%	90%	4%

*The customer satisfaction index (eCSI) is calculated from rider survey data conducted on line and is for one month prior to the current report month. Overall satisfaction is defined as average scores greater than or equal to 80. Customer satisfaction goals for FFY 2017 were 75% for the Carolinian and 90% for the Piedmont. Overall October eCSI for all Amtrak services was 83%.

North Carolina City Pairs with Largest Ridership

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

*Of the ten city pairs with the highest ridership, from the previous FFY month Greensboro - Raleigh had the largest increase of 11% and New York - Raleigh the largest decrease of 30% for the Carolinian; Greensboro - Raleigh had the largest increase of 8% and High Point - Raleigh the largest decrease of 34% for the Piedmont. Highlights indicate increased ridership from November 2016 for the station pairs.

Carolinian and Piedmont Total Ons-Offs at North Carolina Stations

	FFY17 NOV	FFY16 NOV	Δ
Charlotte	13,923	14,896	-7%
Greensboro	8,659	8,932	-3%
Durham	6,473	7,144	-9%
Salisbury	5,791	5,822	-1%
Raleigh	4,917	5,394	-9%
Cary	4,710	5,110	-8%
High Point	2,267	2,605	-13%
Wilson	2,130	2,455	-13%
Burlington	1,945	2,301	-15%
Kannapolis	1,638	1,873	-13%
Rocky Mount	1,157	1,367	-15%
Selma-Smithfield	550	608	-10%

*The values represent passenger ons and offs at North Carolina stations for only state-supported routes and do not include those of other Amtrak services. The values should not be construed as total ridership.

North Carolina Train Host Association

	FFY17 NOV	FFY16 YTD
Train Host Volunteer Hours	703	1,763

Go. Reconnect.





Public Transportation Division

What's New

The Technical and Executive Committees of the **Strategic Plan** met on January 12, 2017. Acting Secretary Holder welcomed the Executive Committee and thanked them for their commitment to the study. The committees represent different parts of the state as well as diverse organizations and interests to bring the best and brightest ideas to the plan. The conceptual work plan follows.



Grant Review was the focus in January. With a combined capital grant, new funding program and opportunities, PTD is very excited about the projects to be brought to the BOT in March. FTA Region IV recently announced a grant submittal calendar similar to ours so we are grateful we are this far along in the process and will begin to enter grants into FTA's grant making program (TrAMS) upon BOT approval of the projects.

Mission Assignment (MA) invoices for Hurricane Matthew public transportation are being processed. An extension to the period of performance has been requested as temporary housing units have not been established in the critical areas.

PTD is preparing for its May 2017 **Comprehensive Review**. The required documents were submitted in December and training was offered for NCDOT staff (PTD, Office of Civil Rights and Fiscal) on the requirements and focus areas for this year's reviews.

PTD Activities Underway

January 2017 Activities

Training:

- FTA Comprehensive Review
- Legacy Leadership
- PTD FY18 Success Plan

Meetings Attended:

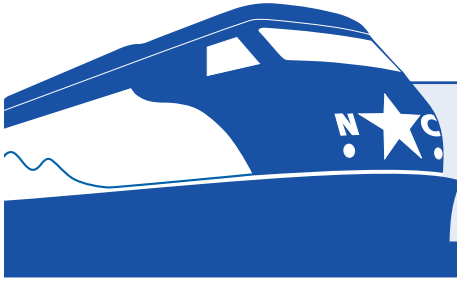
- STI P5
- RPO Quarterly meeting
- Non Emergency Medical Transportation (NEMT)
- TAB Boards
- Strategic Plan Committee Meetings
- Joint Transportation Legislative Oversight Committee (JTLOC)
- Passenger Ferry Team meeting
- FTA Bi Monthly meeting

Upcoming:

- STI P5
- NC Public Transportation Association & NCAMPO
- Transportation Demand Management
- JTLOC

PTD Success Plan Posted

The Plan is available [here online](#) under the Transit Providers tab.



NCDOT Rail Division

The Rail Report



@NC_By_Train

facebook.com/NCByTrain

ncbytrain.org

919-707-4700

February 2017



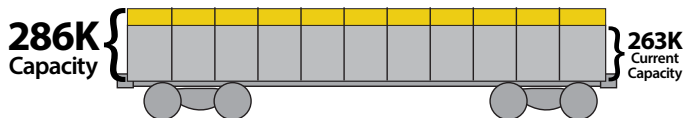
NCDOT officials were joined at the groundbreaking by U.S. Rep. G.K. Butterfield, along with officials from NCVA, Genesee & Wyoming and Nucor Corporation.

North Carolina & Virginia Railroad Improvements to Begin in 2017

The N.C. Department of Transportation hosted a groundbreaking ceremony on Monday, December 12 to kick off construction of significant railway and railroad crossing improvements on the North Carolina & Virginia Railroad (NCVA). The NCVA serves multiple customers and is located in Northampton, Bertie and Hertford counties, as well as Southampton County, Virginia. It interchanges with CSX Transportation Inc. at Boykins, Virginia, and runs 52 miles to its largest customer, the Nucor Steel plate mill at Cofield, NC.

The ceremony, held at Nucor Steel in Hertford County, highlighted how the improvements support industries in the region as well as opening the door to new economic opportunities for the region. Currently, the railroad is operating at 10 mph over much of its line and is only able to load cars to 263,000 pounds gross weight. This project will allow NCVA to ship rail cars loaded to 286,000 pounds gross weight and at faster speeds. Increasing freight rail capacity will help reduce the amount of goods that need to be shipped by truck on U.S. 158 and other area roadways.

The \$11.6 million project is scheduled to be complete by the end of 2019. The NCDOT secured half of the funding through a federal grant from the Transportation Investment Generating Economic Recovery (TIGER) program. The balance of the cost is covered by an investment of \$3 million from NCVA and \$2.8 million in state funds.

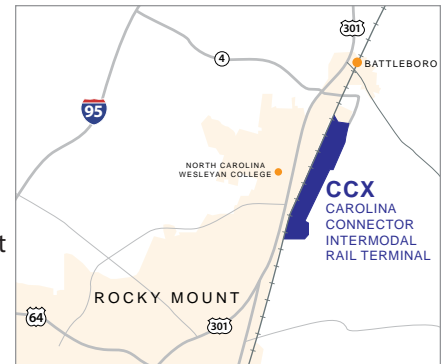


Track improvements allow for rail cars to be loaded to 286,000 pounds rather than the current 263,000 pounds.

Work on CCX Regional Freight Master Plan Underway

The NC Department of Transportation and the Carolinas Gateway Partnership are currently preparing a Carolina Connector Regional Freight Master Plan to help identify transportation needs and guide economic development decisions in areas immediately surrounding the proposed CCX Intermodal Facility in Edgecombe and Nash counties and in areas that can be connected by highway or rail to the facility. CCX provides an opportunity for North Carolina to connect directly with national and international suppliers and markets. As NCDOT evaluated the positive benefits of CSX's decision to construct

CCX, it became apparent that economic impacts for North Carolina can be maximized through comprehensive planning. Based on the anticipated number of lifts with at least an origin or destination in the state, CCX could generate 8,000 to 20,000



jobs through attracted economic development. The study will build from the ongoing Statewide Freight Plan and will help to identify transportation projects for scoring in the next round of prioritization under the Strategic Transportation Investments law. The study will also help to identify other infrastructure and policy issues that need to be addressed to take advantage of the logistics benefits and maximize economic development.

A consultant team consisting of Simpson Engineers and Associates, Dewberry, Cambridge Systematics, Strategic Development Group and TransDevelopment will lead the study. Representatives from the NCDOT Rail Division and Carolinas Gateway Partnership will be supported by an Advisory Group that will include, but not be limited to, CSX, North Carolina Ports, the N.C. Department of Commerce, Economic Development Partnership of North Carolina, NC Department of Agriculture and Consumer Services, metropolitan and regional planning organizations, and industry representatives from retail, distribution, trucking, and manufacturing interests. The project team is currently preparing invitations to the Advisory Group so an initial meeting can be convened in late January. The study will be completed in July 2017. If you have any questions or need additional input, you may call Eddie McFalls, PE, at (919) 707-4727 or email him at ebmcfalls@ncdot.gov.

Grade Crossing Improvements Completed in Fayetteville

The NCDOT Rail and Highway Divisions, along with Aberdeen



& Rockfish Railroad (AR), recently partnered to improve two at-grade railroad crossings on AR's tracks in Fayetteville, NC. The two crossings on Gillespie Street and Cliffdale Road both had old rubber panels that had begun to deteriorate causing a rough ride and were in great need of repair due to the high volume of traffic traveling across the crossings.

The project replaced the existing rubber surfaces with a modular concrete "tub" crossing.

This particular type of crossing is a precast, reinforced concrete surface that eliminates the need for ballast, ties and railroad fasteners, therefore reducing future maintenance costs for the Railroad and creating a smoother ride for the traveling public.

AR contributed labor for the installations while the NCDOT's Division Six provided asphalt for approaches and traffic control during the crossing installations. Rail Division Freight Rail and Rail Crossing Safety Improvement Funding provided \$175,000 for the crossing materials.



Cliffdale Road before (above) and after (below)



Gillespie Road before (above) and after (below)

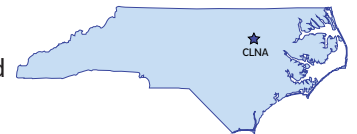


Grade Crossing Improvements completed on the Carolina Coastal Railway

The NCDOT Rail and Highway Divisions, along with Carolina Coastal Railway (CLNA), previously partnered to improve three at-grade crossings on CLNA's tracks in Stantonsburg, Middlesex and Zebulon, NC. In Stantonsburg, the crossing on Carrie Road (Crossing Number 465580D) scored high on the list for needing improvements. The humped crossing's timbers were essentially rotted out, exposing bolts and making it dangerous to the motoring public. In Zebulon, Barbee Street (Crossing Number 465652E) experienced similar deterioration as Carrie Road (Crossing Number 465643F) with the timbers and bolts failing dramatically, as did Stokes Road in Middlesex.

The project replaced the timbers and bolts with rubber rail seal. This crossing material is ideal for the type and volume of traffic on these roads.

CLNA was responsible for the actual installations while NCDOT Divisions Four and Five provided asphalt approaches and any necessary traffic control while the crossing was being repaired. Rail Division Freight Rail and Rail Crossing Safety Improvement Funding provided \$44,400 for the crossing materials.



Carrie Road, Stantonsburg, before (above) and after (below)



Barbee Street, Zebulon, before (above) and after (below)



Stokes Road, Middlesex, before (above) and after (below)





Blue Ridge Southern Railroad Invests in Appalachia

Last December, members of the NCDOT Rail Planning Unit met with representatives of the Blue Ridge Southern Railroad (BLU) to review a recently completed track infrastructure improvement project. Watco Transportation Services purchased the



three branch lines comprising BLU from Norfolk Southern in 2014. Totalling 92 track miles, BLU provides a reliable freight connection to industries west of Asheville. In 2015, the NCDOT Rail Division

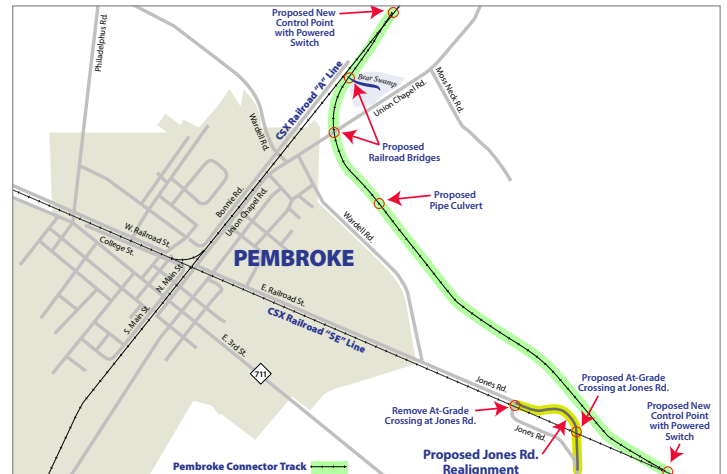
invested more than \$350,000 in matching Freight Rail and Rail Crossing Improvement (FRRCSI) funds to improve four grade-crossing surfaces, replace cross ties and switch ties, and resurface portions of the railroad with ballast. In 2016, NCDOT continued to invest in BLU with more than \$50,000 in matching FRRCSI funds allocated towards improving six bridges, while BLU will invest their own capital in 14 more in the coming years. BLU carries more than 20,000 carloads of freight per year including paper products, chemicals and aggregates.



Pembroke Connector Track Update

A new 2.4-mile railroad connection is being constructed between CSX's main north-south line and the line serving Wilmington industries and the port. The new connection provides direct moves for trains between the north and east and will reduce transit times for shipments to and from Wilmington, including intermodal train moves to and from the new Carolina Connector (CCX) terminal in Rocky Mount.

NCDOT Rail Division is administering the grading contract and overseeing the overall railroad construction. A \$10.2 million contract was awarded in late 2015 to C.M. Lindsay and Sons to perform the roadbed grading and structures. The grading project is on schedule and approximately 65 percent complete. The railroad bridge over Union Chapel Road is well underway with both end abutments and interior bents under construction. The last major work component will be the railroad bridge over Bear Swamp Creek, which will begin construction in March following completion of settlement times for the north and south roadbed approaches.



Railroad Bridge over Union Chapel Road under construction.

CSX will administer the railroad track and signal construction, which is expected to begin in mid-2017. The new connection track is anticipated to be complete and in service by early 2018.

As part of the project, Jones Road is being relocated as depicted on the map to reduce crossing blockages by trains, and improve roadway safety and railroad crossing geometry. This project element is being administered by NCDOT Division 6. The contract was awarded to BMCO and is anticipated to be complete in 2017.



2016 was a busy year for BeRailSafe, NCDOT's rail safety program. The program touched the lives of many North Carolinians through training sessions taught to law enforcement, fire, rescue, EMS and 911 personnel on safety issues during train collisions. The program also reached members of the public through safety fairs, festivals, crossing blitzes, special meetings and other events across the state.

What's Ahead for BeRailSafe in 2017?

BeRailSafe produced a rail safety video that will be viewed by more than 25,000 N.C. law enforcement officers as part of continuing education requirements. The training focuses on three key messages: using the emergency notification sign, enforcing trespassing laws and staying safe when working/responding on or near railroad environments. BeRailSafe also recently completed redesign of the BeRailSafe website which promises to bring new media innovations and a friendlier user interface. Work has already begun with the N.C. Justice Academy to incorporate BeRailSafe rail safety messages within basic law enforcement training and with the Office of State Fire Marshall for basic firefighter education curriculums in North Carolina. BeRailSafe continues to work with N.C. Operation Lifesaver to partner on projects and share information and opportunities.

BeRailSafe 2016 Activity Summary

Reaching the public:

- Delivered safety message to motorists through Crossing Blitzes, including ILCAD (International Level Crossing Awareness Day) event - **3,171**
- Conducted First Responder Training Sessions - **755**
- Spoke at Community Presentations - **357**
- Conducted NCDOT and Right of Entry training workshops - **152**
- Participated in local community fairs and festivals, including NC State Fair's "Safety City" - **30,195**
- Participated and attended conferences



Mr. Moon of the Asheville Tourists signs the BeRailSafe pledge.

Conferences Attended:

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

State employees Now Receive 15 Percent discount on Train Tickets

Riding the train is a great way to save gas and, with free Wi-Fi service, you can be productive while traveling between Raleigh and Charlotte.

Paul Worley, director of the Rail Division, encourages state employees to utilize the state's passenger rail system, NC By Train. It provides six daily passenger trains that serve nine cities in the Piedmont I-85/40 corridor between Raleigh and Charlotte.

State employees should [click here](#) to obtain a 15% fare discount when making reservations and purchasing tickets. Train tickets for business travel can be turned in on your expense voucher.

For information about routes, schedules and fares, visit NCBYTRAIN.org, or call 1-800-BY-TRAIN.



Ridership & Revenue on NC's Amtrak Service – *Nov. 2016 vs. 2015

	RIDERSHIP			REVENUE		
	2016	2015	% +/-	2016	2015	% +/-
<i>Piedmont</i>	14,307	15,111	-7%	\$310,293	\$329,304	-6%
<i>Carolinian</i>	21,984	24,066	-9%	\$1,416,078	\$1,542,557	-8%

703



Hours Volunteered by N.C. Train Hosts in November, supporting NC By Train onboard and at events

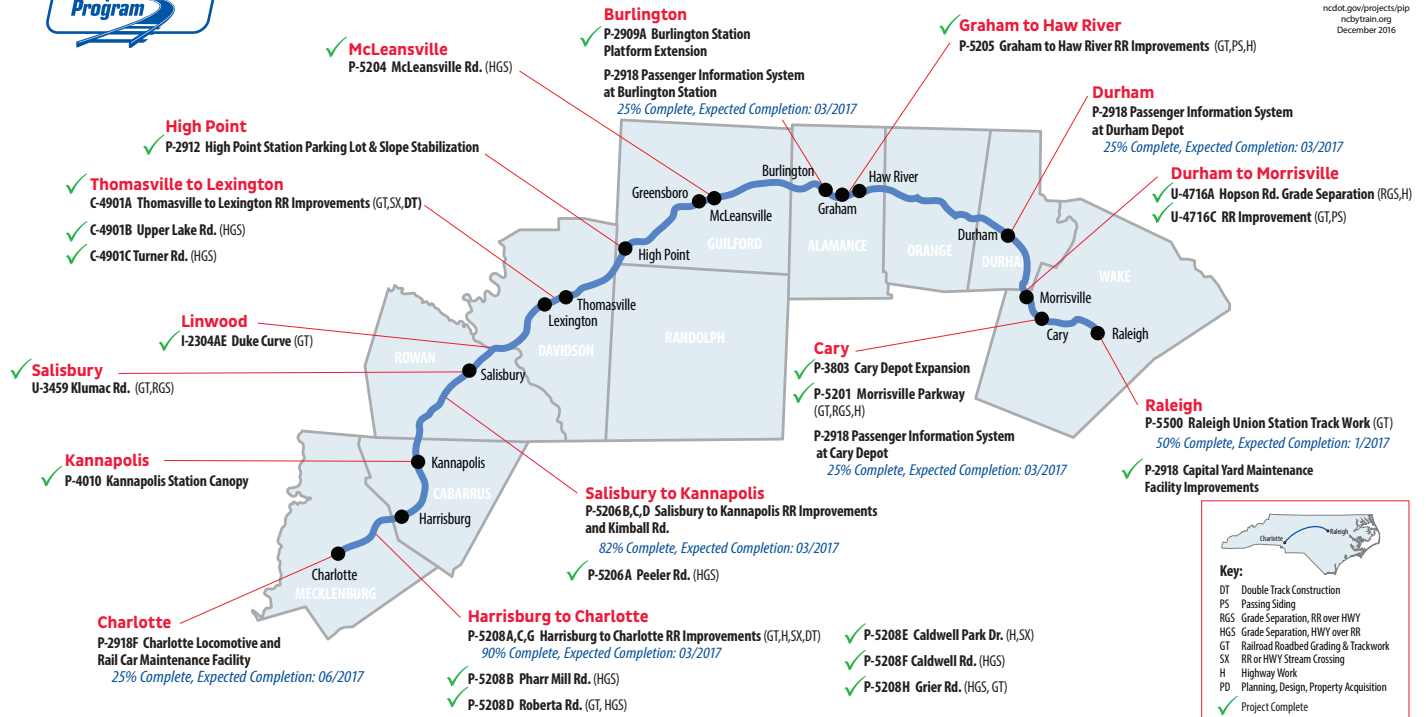
November 2016 service modifications and annulments impacted eight *Piedmont* trains and eight *Carolinian* trains. On November 7 and 14, Trains 73 and 76 were canceled, and Trains 74 and 75 operated between Raleigh and Greensboro only due to PIP track work. Also, on November 14, Trains 79 and 80 were canceled due to PIP track work and CSX construction. On November 15, 18 and 19, Trains 79 and 80 operated only between Raleigh and Charlotte due to CSX track work and signal suspension. Additional disruptions for PIP project work will continue to occur as necessary through completion of the project. Average gasoline prices remained low in November 2016.



Piedmont Improvement Program – December 2016 Status Report



ncdot.gov/projects/pip
ncbytrain.org
December 2016



Note: % is NCDOT Contract Completion percentage

2 Locomotives
90% Complete
Expected Completion Date: 2/2017



NC By Train – Piedmont Equipment ✓ 5 Locomotives ✓ 12 Railcars

2 Cab Control Units
90% Complete
Expected Completion Date: 2/2017
2 Additional Cab Control Units from non-ABRA funding*

Piedmont Improvement Program Milestones

Raleigh – CSX installed the second half of the crossovers at CP Boylan on December 7 and 8. Track construction on the west leg of the wye has also begun in preparation for the cut-in of the new CSX S-line alignment in March.

Spent to Date of \$520M (effective 11/30/2016)

Component	Expenditure
PD&A/ROW	\$55,474,944
Equipment Procurement & Rebuild	\$31,400,114
Stations & Facilities	\$50,985,211
Track & Structures	\$318,037,782
CRISP	\$2,180,376
Program Totals	\$458,078,427

Three new contracts totaling \$50,505 were awarded in December.



Piedmont Improvement Program – Project Photos – December 2016



P-5500 Raleigh Union Station track construction



P-5500 Raleigh Union Station track construction



P-5206 Reid to North Kannapolis, track construction



P-5206 Reid to North Kannapolis, track construction



P-5208 Haydock to Junker, track construction



P-5208 Haydock to Junker, track construction