

MEETING AGENDA

Monthly Meeting of the North Carolina Board of Transportation

O. Henry Hotel, Caldwell Room 624 Green Valley Road, Greensboro, NC 27408

Location: O. Henry Hotel, Caldwell Room

August 1-3, 2017

Please note the change in meeting location:
O. Henry Hotel, Caldwell Room
624 Green Valley Road, Greensboro, NC 27408

Tuesday, August 1, 2017

4:30PM - 5:00PM

Road, Bridge & Ferry Naming Committee	Hawkins Brown Room
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Wednesday, August 2, 2017

8:00AM - 4:00PM

Board of Transportation Members will tour the City of High Point, Pomona Quarry, Piedmont Triad International Airport, and Honda Aircraft.

Presentations at the Piedmont Triad International Airport include:

Public Private Contract Review - Beau Memory, NCTA Executive Director and Jim Taylor, Mercator Advisors PTI Update - Kevin Baker, Executive Director

Introduction to HAECO – Richard Kendall, Chief Executive Officer

NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

9:00AM

Thursday, August 3, 2017

Call to Order
 Ethics Declaration
 Approval of June 29, 2017 Board Meeting Minutes
 Road and Bridge Naming Honorary Designation
 Secretary's Remarks
 Chairman Fox Chairman Fox Secretary Trogdon

INFORMATION AND DELEGATED AUTHORITY

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

MPO/RPO Update (Burlington, Greensboro, High Point, & Winston-Salem)

Name to Manual Mallette, Transportation
Planner / BGMPO Administrator
Mary Kay Abuziater, TAC Chair
Adam Fischer, Greensboro DOT Transportation Director
Tyler Meyer, Planning Manager & TCC Chair
Mark McDonald, Transportation Director
Greg Venable, Transportation Planning Administrator
Toneq' McCullough, Director of Transportation
Fred Haith, Planning Development Coordinator
Larry Williams, TAC Chair

PART Organization Scott Rhine, Executive Director

North Carolina Mega Site Corridor Jed McMillan, Piedmont Triad Partnership

Product Evaluation Program Awareness Chairman Fox

Cash Balance Update Chairman Fox

Freight Plan Chairman Fox

ACTION Chairman Fox

2018-2027 State Transportation Improvement Program (STIP)

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
th Carolina Highway Trust Funds

(Item K) North Carolina Highway Trust Funds (Item M) Funds for Specific Federal-Aid Projects

(Item N) TIP Amendments

(Item O) Municipal and Special Agreements

(Item R) Right of Way Resolutions and Ordinances

(Item T) Comprehensive Transportation Plans for Mutual Adoption by the Board of Transportation

Other Business

Adjourn

PROJECTS LIST NORTH CAROLINA BOARD OF TRANSPORTATION RALEIGH, NORTH CAROLINA

August 2 - 3, 2017

Delegated /	AuthoritySecretary Trogdon
(Item C)	Award of Highway Construction Contracts from July 2017 Letting
(Item D)	Award of Contracts to Private Firms for Engineering Services
(Item E)	Funds for Secondary Road Improvement Projects – Highway Fund and Highway Trust Fund
(Item H)	Funds for Division-wide Small Construction, Statewide Contingency, Public Access, and Economic Development
(Item L)	Funds for Specific Spot Safety Improvement Projects
Action	
(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 now replaces Item J)
(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
(Item \/)	(No Item this month)

NCDOT Board of Transportation Agenda

ITEM C

July 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.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00004

C204024 45877.3.1 NHPIM-0795(6) WAYNE I-5935

PROPOSAL LENGTH 13.500 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-795 FROM US-70 TO THE WILSON COUNTY LINE.

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

FY-2019..09% OF BID

RPN 002 2 BIDDER(S) DBE GOAL 8.00 %

ESTIMATE 10,236,473.82

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DATE AVAILABLE AUG 28 2017 FINAL COMPLETION AUG 31 2018

BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC 9,236,216.02 -9.8

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00004

C204041 53026.3.1 NHPIM-0095(031) JOHNSTON I-5786

PROPOSAL LENGTH 7.284 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURES.

LOCATION I-95 FROM SOUTH OF SR-1001 (LIZZIE MILL RD) TO THE WILSON COUNTY LINE JUST NORTH

OF NC-222.

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

FY-2019..36% OF BID FY-2020..22% OF BID FY-2021..03% OF BID

RPN 003 3 BIDDER(S) DBE GOAL 7.00 %

ESTIMATE 48,393,625.11

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DATE AVAILABLE AUG 28 2017

INTER COMPLETION SEP 01 2020 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR

PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION FEB 28 2021

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00004

C203931 53045.3.1 NHPIM-0095(036) NORTHAMPTON, HALIFAX I-5839

PROPOSAL LENGTH 9.419 MILES

TYPE OF WORK PAVEMENT AND BRIDGE REHABILITATION.

LOCATION I-95 FROM MM 172 (CHOCKOYOTTE CREEK) TO MM 182 (VIRGINIA STATE LINE).

EST CONST PROGRESS.... FY-2018..87% OF BID

FY-2019..13% OF BID

RPN 004 2 BIDDER(S) DBE GOAL 8.00 %

ESTIMATE 15,903,097.32

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DATE AVAILABLE AUG 28 2017

INTER COMPLETION OCT 01 2018 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR

PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION MAR 30 2019

\$ TOTALS % DIFF

ADAMS CONSTRUCTION COMPANY ROANOKE, VA 16,791,786.95 +5.6
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC 17,812,020.26 +12.0

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017

DIVISION 00004

C204047 33753.3.1, 45623.3.1, 45624.3.1 STATE FUNDED HALIFAX, NASH B-4537, B-5668, B-5669

PROPOSAL LENGTH 0.230 MILES

TYPE OF WORK EXPRESS DESIGN BUILD.

LOCATION REPLACEMENT OF ONE BRIDGE IN HALIFAX COUNTY AND TWO BRIDGES IN NASH

COUNTY.

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

FY-2019..06% OF BID

RPN 013 4 BIDDER(S) MBE GOAL 1.00 % WBE GOAL 4.00%

ESTIMATE 3,206,880.00

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DATE AVAILABLE AUG 28 2017 FINAL COMPLETION SEP 30 2018

\$ TOTALS	% DIFF
S T WOOTEN CORPORATION WILSON, NC 2,453,850.00	-23.5
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC 2,914,500.00	-9.1
T. A. LOVING COMPANY GOLDSBORO, NC 3,477,700.00	+8.4
PALMETTO INFRASTRUCTURE INC GREENVILLE, SC 3,646,720.00	+13.7

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017

DIVISION 00005

C203958 46041.3.1 STATE FUNDED PERSON B-5327

PROPOSAL LENGTH 0.149 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

LOCATION BRIDGE #49 OVER SOUTH HYCO CREEK ON SR-1300 (CONCORD CHURCH RD).

EST CONST PROGRESS.... FY-2018..100% OF BID

RPN 005 3 BIDDER(S) MBE GOAL 2.00 % WBE GOAL 3.00%

ESTIMATE 1,668,098.41

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DATE AVAILABLE AUG 28 2017

INTER COMPLETION JUN 15 2018 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR

PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION DEC 12 2018

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017

DIVISION 00006

C203988 46046.3.1 BRZ-1005(33) COLUMBUS B-5332

PROPOSAL LENGTH 0.085 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

LOCATION BRIDGE #130 OVER CEDAR CREEK ON SR-1005 (PEACOCK ROAD).

EST CONST PROGRESS.... FY-2018..100% OF BID

RPN 006 10 BIDDER(S) DBE GOAL 5.00 %

ESTIMATE 608,421.25

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DATE AVAILABLE AUG 28 2017 THRU MAR 15 2018

INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT

VEGETATION ESTABLISHMENT 150 AFTER START DATE

FINAL COMPLETION 330 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
THE TARA GROUP OF LUMBERTON INC LUMBERTON, NC	520,434.05	-14.5
S & C CONSTRUCTION LLC WILMINGTON, NC	559,583.51	-8.0
SANFORD CONTRACTORS INC LEMON SPRINGS, NC	576,150.00	-5.3
DANE CONSTRUCTION, INC. MOORESVILLE, NC	620,193.90	+1.9
SMITH-ROWE, LLC MOUNT AIRY, NC	628,122.00	+3.2
S T WOOTEN CORPORATION WILSON, NC	657,009.10	+8.0
CIVIL WORKS CONTRACTING WILMINGTON, NC	672,223.00	+10.5
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION COMPANY	710,431.90	+16.8
DELLINGER, INC. MONROE, NC	719,682.63	+18.3
PALMETTO INFRASTRUCTURE INC GREENVILLE, SC	787,751.00	+29.5

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00006

C204048 17BP.6.R.106 STATE FUNDED ROBESON

PROPOSAL LENGTH 0.221 MILES

TYPE OF WORK EXPRESS DESIGN BUILD.

LOCATION REPLACEMENT OF 3 BRIDGES IN ROBESON COUNTY.

EST CONST PROGRESS.... FY-2018..83% OF BID

FY-2019..17% OF BID

RPN 014 3 BIDDER(S) MBE GOAL 1.00 % WBE GOAL 4.00%

ESTIMATE 2,727,783.00

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DATE AVAILABLE AUG 28 2017 FINAL COMPLETION AUG 31 2018

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017

DIVISION 00006

C204049 17BP.6.R.107 STATE FUNDED BLADEN, ROBESON

PROPOSAL LENGTH 0.224 MILES

TYPE OF WORK EXPRESS DESIGN BUILD.

LOCATION REPLACEMENT OF 2 BRIDGES IN ROBESON COUNTY AND 1 BRIDGE IN BLADEN COUNTY.

EST CONST PROGRESS.... FY-2018..83% OF BID FY-2019..17% OF BID

RPN 015 3 BIDDER(S) MBE GOAL 1.00 % WBE GOAL 4.00%

ESTIMATE 2,609,664.00

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DATE AVAILABLE AUG 28 2017 FINAL COMPLETION AUG 31 2018

HIGHWAY LETTING NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00006

C204050 17BP.6.R.108 STATE FUNDED HARNETT

PROPOSAL LENGTH 0.281 MILES

TYPE OF WORK EXPRESS DESIGN BUILD.

LOCATION REPLACEMENT OF 3 BRIDGES IN HARNETT COUNTY.

EST CONST PROGRESS.... FY-2018..100% OF BID

RPN 016 3 BIDDER(S) MBE GOAL 1.00 % WBE GOAL 4.00%

ESTIMATE 2,894,386.00

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DATE AVAILABLE AUG 28 2017
FINAL COMPLETION JUN 30 2018

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00007

C204025 45907.3.1 NHPIM-0040(066) ALAMANCE, ORANGE I-5954

PROPOSAL LENGTH 7.855 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-40/I-85 FROM EAST OF NC-54 IN GRAHAM IN ALAMANCE COUNTY TO WEST OF SR-1114

(BUCKHORN RD) IN ORANGE COUNTY.

EST CONST PROGRESS.... FY-2018..80% OF BID

FY-2019..20% OF BID

RPN 007 1 BIDDER(S) DBE GOAL 6.00 %

ESTIMATE 9,073,447.56

DATE AVAILABLE AUG 28 2017 THRU APR 01 2018 FINAL COMPLETION 455 DAY(S) AFTER START DATE

\$ TOTALS % DIFF

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APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION GREENSBORO, NC 9,699,053.68 +6.9

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00007

C204026 45909.3.1 NHPIM-0040(067) GUILFORD, ALAMANCE I-5956

PROPOSAL LENGTH 4.147 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-40/I-85 FROM EAST OF SR-3056 (ROCK CREEK DAIRY RD) TO WEST OF SR-1226

(UNIVERSITY DR).

EST CONST PROGRESS.... FY-2018..100% OF BID

RPN 008 2 BIDDER(S) DBE GOAL 6.00 %

ESTIMATE 4,732,876.23

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DATE AVAILABLE AUG 28 2017
FINAL COMPLETION JUL 01 2018

\$ TOTALS % DIFF

APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION GREENSBORO, NC 4,067,357.08 -14.1 SHARPE BROTHERS A DIV OF VECELLIO & GROGAN, INC. GREENSBORO, I 6,478,976.58 +36.9

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00007

C203946 46062.3.1 STATE FUNDED ORANGE B-5348

PROPOSAL LENGTH 0.066 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

LOCATION BRIDGE #85 OVER PHIL'S CREEK ON SR-1005 (OLD GREENSBORO ROAD).

EST CONST PROGRESS.... FY-2018..100% OF BID

RPN 009 7 BIDDER(S) MBE GOAL 1.00 % WBE GOAL 3.00%

ESTIMATE 998,915.08

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DATE AVAILABLE OCT 01 2017 THRU MAR 15 2018

INTER COMPLETION COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT

VEGETATION ESTABLISHMENT 150 AFTER START DATE

FINAL COMPLETION 330 DAY(S) AFTER START DATE

	\$ TOTALS	% DIFF
DANE CONSTRUCTION, INC. MOORESVILLE, NC	984,596.98	-1.4
SMITH-ROWE, LLC MOUNT AIRY, NC	1,014,745.25	+1.6
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	1,031,332.36	+3.2
S T WOOTEN CORPORATION WILSON, NC	1,072,985.58	+7.4
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION COMPANY	1,073,525.33	+7.5
BURLEIGH CONSTRUCTION COMPANY INC CONCORD, VA	1,303,280.26	+30.5
ENGLISH CONSTRUCTION CO INC LYNCHBURG, VA	1,362,648.50	+36.4

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00007

C203974 50455.3.1 NHPP-0040(024) GUILFORD I-5812

PROPOSAL LENGTH 7.200 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-40/85 FROM EAST OF SR-4240 TO EAST OF SR-3056.

EST CONST PROGRESS.... FY-2018..87% OF BID

FY-2019..13% OF BID

RPN 010 2 BIDDER(S) DBE GOAL 7.00 %

ESTIMATE 7,711,487.45

DATE AVAILABLE AUG 28 2017 FINAL COMPLETION OCT 01 2018

\$ TOTALS % DIFF

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ITEM C

APAC - ATLANTIC, INC. THOMPSON ARTHUR DIVISION GREENSBORO, NC 8,506,519.41 +10.3 SHARPE BROTHERS A DIV OF VECELLIO & GROGAN, INC. GREENSBORO, I 9,364,738.50 +21.4

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00007

C204045 53056.3.3 NHPIM-0085(034) GUILFORD I-5852B

PROPOSAL LENGTH 3.900 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-73 FROM 0.7 MILES SOUTH OF I-40 TO 0.73 MILES SOUTH OF SR-2085 IN GREENSBORO.

EST CONST PROGRESS.... FY-2018..89% OF BID FY-2019..11% OF BID

RPN 011 4 BIDDER(S) DBE GOAL 6.00 %

ESTIMATE 5,938,600.47

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DATE AVAILABLE AUG 28 2017 FINAL COMPLETION SEP 15 2018

	\$ TOTALS	% DIFF
TRIANGLE GRADING & PAVING INC BURLINGTON, NC	5,464,750.19	-8.0
PENHALL COMPANY LOS ANGELES, CA	6,329,675.26	+6.6
INTERSTATE IMPROVEMENT, INC. FARIBAULT, MN	6,588,891.13	+11.0
DIAMOND SURFACE, INC. ROGERS, MN	8,326,464.92	+40.2

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00008

C204044 2018CPT.08.01.10191, 2018CPT.08.01.20191 STATE FUNDED CHATHAM

PROPOSAL LENGTH 35.276 MILES

TYPE OF WORK MILLING, RESURFACING & SHOULDER RECONSTRUCTION.

LOCATION 5 SECTIONS OF US-15/501, 1 SECTION OF US-64, AND 9 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..91% OF BID FY-2019..09% OF BID

RPN 012 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 4.00%

ESTIMATE 12,780,552.72

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DATE AVAILABLE AUG 28 2017 FINAL COMPLETION AUG 30 2018

\$ TOTALS % DIFF S T WOOTEN CORPORATION WILSON, NC 12,312,281.27 -3.7

RILEY PAVING INC CARTHAGE, NC 14,351,899.24 +12.3

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

RALEIGH N.C. JULY 18, 2017 DIVISION 00009

C203965 34147.3.4 NHIMF-40-3(112)180 DAVIE, FORSYTH I-911A

PROPOSAL LENGTH 3.300 MILES

TYPE OF WORK DESIGN-BUILD.

LOCATION I-40 FROM WEST OF NC-801 IN DAVIE COUNTY TO EAST OF SR-1101 FORSYTH COUNTY.

EST CONST PROGRESS.... FY-2018..12% OF BID

FY-2019..30% OF BID FY-2020..32% OF BID FY-2021..21% OF BID FY-2022..05% OF BID

RPN 017 3 BIDDER(S) DBE GOAL 7.00 %

ESTIMATE 88,285,900.00

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DATE AVAILABLE AUG 28 2017
FINAL COMPLETION NOV 15 2021

THE LANE CONSTRUCTION CORPORATION

	QUAL	ITY ADJUSTED F	RICE RAN	KING		
PROPOSAL	TECH QUALITY SCORE CREDIT %	ACTUAL CONT AMT (PRICE PROP)	ACT % DIFF	QUALITY VALUE	CONT AWARD BASIS (ADJ PRICE)	ADJ % DIFF
FLATIRON CONSTRUCTORS, INC. * IMPROPER PROPOSAL	95.00 16.67 FORM	71,962,779.00	-18.5	11,996,195.26	59,966,583.74	-32.1
* IMPROPOER VENDOR	PQ LABEL/NAME					
UNITED INFRASTRUCTURE	89.00 12.67	70,328,000.00	-20.3	8,910,557.60	61,417,442.40	-30.4
THE LANE CONSTRUCTION	92.50 15.00	76,452,113.00	-13.4	11,467,816.95	64,984,296.05	-26.4

PROPOSAL	PROPOSED COMPLETION DATE	
FLATIRON CONSTRUCTORS, INC. BLYTHE DEVE	DEC 31 2020	
UNITED INFRASTRUCTURE GROUP INC	JAN 27 2021	

ESTIMATE TOTAL		217,770,208.42	
	LETTING TOTAL	202.876.948.97	-6.8

DEC 09 2020

NCDOT August 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

Chief Operating Officer

Division of Planning & Programming Feasibility Studies Unit

Strategic Prioritization Office

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

STATEWIDE

Scope of Work:

Original Engineering Fee:

Previous Supplemental Fee:

Project: W02677 Statistical Analysis of Strategic

Transportation Investments (STI)
P4.0 Statistical Analysis of Strategic

Prioritization

Firm: Cambridge Systematics, Inc., Cambridge, MA

\$500,000.00 \$500,000.00

Supplemental Fee: 1.5 year time extension only

Supplemental Work: Time extension for additional follow-up tasks

based on the Local Input Point process verification analysis and recommendations to help ensure the recommendations are being

implemented and followed through

appropriately to ensure NCDOT is continually

improving the STI Prioritization process

0%

SPSF Utilization:

Chief Engineer

Technical Services

Project Development and Environmental Analysis – Human Environment

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

STATEWIDE

Description of Work: 2017 Traffic Noise Analysis and Air Quality

Analysis Services Statewide LSC

Firm: McCormick Taylor, Inc., Raleigh, NC

Original Engineering Fee: \$200,000.00 Supplemental Fee: \$200,000.00

SPSF Utilization: 0%

Description of Work: 2017 Traffic Noise Analysis and Air Quality

Analysis Services Statewide LSC

Firm: Tech Engineering Group PLLC, Raleigh, NC

Original Engineering Fee: \$200,000.00 Supplemental Fee: \$200,000.00

DBE/MBE/SPSF Utilization: 100%

Geotechnical Engineering

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

STATEWIDE

Description of Work: 2014 Geotechnical LSC

Firm: ECS Southeast LLP, Charlotte, NC

Original Engineering Fee: \$1,000,000.00
Previous Supplemental Fee: \$500,000.00
Supplemental Fee: \$1,000,000.00

SPSF Utilization: 0%

Description of Work: 2014 Geotechnical LSC

Firm: Kleinfelder Inc., Los Angeles, CA

Original Engineering Fee: \$3,000,000.00 Supplemental Fee: \$1,000,000.00

SPSF Utilization: 0%

Photogrammetry

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

Description of Work: 2015 Photogrammetric Mapping Services LSC

Firm: Geodata Corp, Zebulon, NC

Original Engineering Fee: \$500,000.00 Supplemental Fee: \$200,000,00

SPSF Utilization: 100%

Description of Work: 2015 Photogrammetric Mapping Services LSC

Firm: Spatial Data Consultants Inc., High Point, NC

\$500,000.00 Original Engineering Fee: Previous Supplemental Fee: \$200,000.00 Supplemental Fee: \$200,000.00 SPSF Utilization: 100%

Description of Work: 2015 Photogrammetric Mapping Services LSC The Sanborn Map Company Inc., Charlotte, NC Firm:

Original Engineering Fee: \$500,000.00 Supplemental Fee: \$200,000.00

SPSF Utilization: 0%

Description of Work: 2015 Photogrammetric Mapping Services LSC Firm: MA Engineering Consultants Inc., Cary, NC

Original Engineering Fee: \$250,000,00 Previous Supplemental Fee: \$300,000.00 Supplemental Fee: \$200,000.00

DBE/MBE/SPSF Utilization: 100%

Description of Work: 2015 Photogrammetric Mapping Services LSC

Firm: WSP USA Corp, Chicago, IL

Original Engineering Fee: \$250,000,00 Previous Supplemental Fee: \$150,000.00 Supplemental Fee: \$200,000.00

SPSF Utilization: 0%

Description of Work: 2015 Photogrammetric Mapping Services LSC Firm:

Independent Mapping Consultants Inc., Charlotte,

NC

Original Engineering Fee: \$500,000.00 Supplemental Fee: \$200,000.00

SPSF Utilization: 100%

Transportation Program Management

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

STATEWIDE

Project: W02744 STATEWIDE

Statewide Asset Scan and Assessment Scope of Work:

KPMG Corporate Finance, LLC, Austin, Texas

Original Engineering Fee: \$ 470,000.00 Previous Supplemental Fee: \$6,215,000.00 Supplemental Fee: \$ 263,729.00

Supplemental Work: Provide strategic Asset Management program

0%

support to assist the NCDOT asset

management assessment and plan of action to improve NCDOT's asset management focus.

SPSF Utilization:

August 3, 2017

DIVISIONS

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

Divisions 1 - 4, and 6

Description of Work: 2015 Planning and Design LSC

Firm: HDR Engineering Inc. of the Carolinas,

Chicago, IL

Original Engineering Fee: \$3,000,000.00
Previous Supplemental Fee: \$7,000,000.00
Supplemental Fee: \$1,000,000.00

SPSF Utilization: Hinde Engineering Inc.

5% / \$50,000.00

SPSF Utilization: Joyner Keeny PLLC 2% / \$20,000.00

SPSF Utilization: Patriot Transportation Engineering PLLC

4% / \$40,000.00

DBE/WBE/SPSF Utilization: Planning Communities, LLC

3% / \$30,000.00

SPSF Utilization: Ramey Kemp & Associates, Inc.

5% / \$50,000.00

Description of Work: 2015 Planning and Design LSC

Firm: HNTB of North Carolina, PC, Raleigh, NC

Original Engineering Fee: \$3,000,000.00
Previous Supplemental Fee: \$7,000,000.00
Supplemental Fee: \$2,000,000.00

SPSF Utilization: Carolina Land Acquisitions Inc.

5% / \$100,000.00

SPSF Utilization: Environmental Services Inc.

5% / \$100.000.00

DBE/MBE/SPSF Utilization: MA Engineering Consultants Inc.

5% / \$100,000.00 ML Engineering, PLL

DBE/SPSF Utilization: MI Engineering, PLLC

5% / \$100,000.00

Description of Work: 2015 Planning and Design LSC

Firm: Calyx Engineers and Consultants, Raleigh, NC

Original Engineering Fee: \$3,000,000.00
Previous Supplemental Fee: \$3,000,000.00
Supplemental Fee: \$2,000,000.00

SPSF Utilization: 100%

Description of Work: 2015 Planning and Design LSC

Firm: Michael Baker Engineering, Inc., Cary, NC

\$3,000,000.00 Original Engineering Fee: Previous Supplemental Fee: \$7,000,000.00 Supplemental Fee: \$2,000,000.00

SPSF Utilization: Sungate Design Group PA

15% / \$300,000.00 Hinde Engineering Inc. 2% / \$40,000.00

SPSF Utilization: Ramey Kemp & Associates, Inc.

2% / \$40,000.00

Southeastern Right of Way LLC SPSF Utilization:

2% / \$40,000.00

DBE/WBE/SPSF Utilization: Dovetail Cultural Resource Group 1 Inc.

2% / \$40,000.00

2015 Planning and Design LSC Description of Work:

Firm: Rummel Klepper & Kahl LLP, Raleigh, NC

Original Engineering Fee: \$3,000,000.00 Previous Supplemental Fee: \$2,000,000,00 Supplemental Fee: \$2,000,000,00

DBE/WBE/SPSF Utilization: Falcon Engineering Inc.

4% / \$80,000.00

SPSF Utilization: Ramey Kemp & Associates, Inc.

1% / \$20,000.00

DBE/WBE/SPSF Utilization: New South Associates, Inc.

1% / \$20,000.00

DBE/MBE/SPSF Utilization: MM/I and Associates, LLC

> 1% / \$20.000.00 CH Engineering PLLC 2% / \$40,000.00

Description of Work: 2015 Planning and Design LSC

Firm: SEPI Engineering & Construction Inc., Raleigh,

NC

Original Engineering Fee: \$3.000.000.00 Previous Supplemental Fee: \$5,000,000.00 Supplemental Fee: \$1,000,000.00

DBE/MBE/SPSF Utilization: Neighborhood Solutions LLC

2% / \$20,000.00

Description of Work: 2015 Planning and Design LSC

STV Engineers, Inc., Charlotte, NC Firm:

Original Engineering Fee: \$3,000,000.00 Previous Supplemental Fee: \$2,000,000.00 Supplemental Fee: \$1,000,000.00

SPSF Utilization: Calyx Engineers & Consultants

20% / \$200,000.00

DBE/WBE/SPSF Utilization: Falcon Engineering Inc.

5% / \$50,000.00

SPSF Utilization:

DBE/WBE/SPSF Utilization:

Description of Work: 2015 Planning and Design LSC

Firm: Summit Design and Engineering Services,

PLLC, Hillsborough, NC

Original Engineering Fee: \$3,000,000.00
Previous Supplemental Fee: \$3,000,000.00
Supplemental Fee: \$1,000,000.00

SPSF Utilization: 100%

Description of Work: 2015 Planning and Design LSC

Firm: VHB Engineering NC PC, Watertown, MA

Original Engineering Fee: \$3,000,000.00
Previous Supplemental Fee: \$2,000,000.00
Supplemental Fee: \$2,000,000.00

SPSF Utilization: Commonwealth Heritage Group Inc.

1% / \$20,000.00

DBE/WBE/SPSF Utilization: Falcon Engineering Inc.

3% / \$60,000.00 MI Engineering, PLLC 5% / \$100,000.00

SPSF Utilization: Calyx Engineers and Consultants

6% / \$120,000.00

SPSF Utilization: Sungate Design Group PA

5% / \$100,000.00 TGS Engineers 6% / \$120,000.00

Description of Work: 2015 Planning and Design LSC

Firm: Wetherill Engineering, Inc., Raleigh, NC

Original Engineering Fee: \$3,000,000.00
Previous Supplemental Fee: \$6,000,000.00
Supplemental Fee: \$1,000,000.00

DBE/WBE/SPSF Utilization: 100%

STATEWIDE

DBE/SPSF Utilization:

SPSF Utilization:

Description of Work: 2014-2016 CEI LSC

Firm: Rummel, Klepper & Kahl LLP, Raleigh, NC

Original Engineering Fee: \$10,000,000.00
Previous Supplemental Fee: \$22,500,000.00
Supplemental Fee: \$1,500,000.00

SPSF Utilization: F&ME Consultants, Inc.

5% / \$75,000.00

DBE/WBE/SPSF Utilization: OLH Inc.

5% / \$75,000.00

Description of Work: 2014-2016 CEI LSC

Firm: SEPI Engineering & Construction Inc., Raleigh, NC

Original Engineering Fee: \$10,000,000.00
Previous Supplemental Fee: \$20,000,000.00
Supplemental Fee: \$3,000,000.00

SPSF Utilization: 0%

Field Support

Utilities

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

STATEWIDE

Description of Work:

Firm:

Utilities Coordination
TELICS, Pineville, NC

Original Engineering Fee: \$500,000.00 Supplemental Fee: \$100,000.00

SPSF Utilization: 0%

Deputy Chief Engineer

Materials and Tests 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 private firms for inspection, testing, and analysis of materials and pavements on an as needed basis for various federal-aid and state funded projects to support the Materials and Tests Unit. These contracts will expire 2 years after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Imaginative Services Group LLC, Fayetteville,

GA

Maximum Engineering Fee: \$60,000.00

SPSF Utilization: 0%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Corrpro Companies, Inc., Weymouth, MA

Maximum Engineering Fee: \$150,000.00

SPSF Utilization: 0%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Brannan Inspection Services Inc., Selma, NC

Maximum Engineering Fee: \$850,000.00

SPSF Utilization: 0%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: HRV Conformance Verification Associates

Inc., Moon Township, PA

Maximum Engineering Fee: \$750,000.00

DBE, WBE, SPSF Utilization: 100%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Geosyntec Consultants of NC PC, Boca

Raton, FL

Maximum Engineering Fee: \$775,000.00

DBE/MBE/SPSF Utilization: Trimat Materials Testing, Inc.

25% / \$193,750.00

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Volkert, Inc., Birmingham, AL

Maximum Engineering Fee: \$3,500,000.00 DBE/WBE/SPSF Utilization: CECS, LLP

5% / \$175,000.00

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: S&ME Inc, Raleigh, NC

Maximum Engineering Fee: \$8,000,000.00

SPSF Utilization: The Transtec Group Inc.

2% / \$160,000.00

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Greenman-Pedersen, Inc., Scranton, PA

\$150,000.00

SPSF Utilization: 0%

Maximum Engineering Fee:

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: KTA-Tator, Inc., Pittsburgh, PA

Maximum Engineering Fee: \$325,000.00

SPSF Utilization: 0%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: TRC Engineers, Inc., Pittsburgh, PA

Maximum Engineering Fee: \$3,300,000.00

SPSF Utilization: 0%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: A1 Consulting Group, Inc., Morrisville, NC

Maximum Engineering Fee: \$150,000.00

DBE/MBE/SPSF Utilization: 100%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: ICA Engineering Inc., Raleigh, NC

\$1,400,000.00

SPSF Utilization: 0%

Maximum Engineering Fee:

Maximum Engineering Fee:

SPSF Utilization:

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: DRMP, Inc., Charlotte, NC

\$1,750,000.00

0%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Applied Pavement Technology, Inc., Urbana,

IL

Maximum Engineering Fee: \$300,000.00

SPSF Utilization: 100%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: AMEC Foster Wheeler Environment &

Infrastructure, Inc., Durham, NC

Maximum Engineering Fee: \$475,000.00

SPSF Utilization:

Description of Work: Inspection, Testing, and Analysis of Materials

0%

and Pavements

Firm: Trimat Materials Testing, Inc., Raleigh, NC

Maximum Engineering Fee: \$150,000.00

DBE/MBE/SPSF Utilization: 100%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: KPR Engineering, PLLC, Raleigh, NC

Maximum Engineering Fee: \$1,500,000.00

SPSF Utilization: 100%

or ounization.

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Rummel Klepper & Kahl LLP, Raleigh, NC

Maximum Engineering Fee: \$1,100,000.00

SPSF Utilization: F&ME Consultants, Inc. 10% / \$110,000.00

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: ESP Associates, P.A., Charlotte, NC

Maximum Engineering Fee: \$1,500,000.00

SPSF Utilization: Parrish and Partners of North Carolina, PLLC

5% / \$75,000.00

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Summit Design and Engineering Services,

PLLC, Hillsborough, NC

Maximum Engineering Fee: \$1,400,000.00

SPSF Utilization: 100%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: ECS Southeast LLP, Charlotte, NC

Maximum Engineering Fee: \$1,600,000.00

DBE/MBE/SPSF Utilization: Capstone Civil Engineering Inc.

10% / \$160,000.00 The Transtec Group Inc.

SPSF Utilization: The Transtec Group In

1% / \$16,000.00

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Terracon Consultants. Inc., Raleigh, NC

Maximum Engineering Fee: \$500,000.00

DBE/WBE/ SPSF Utilization: Wetherill Engineering, Inc.

5% / \$25,000.00

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Pennoni Associates Inc., Philadelphia, PA

\$875,000.00

0%

SPSF Utilization:

Maximum Engineering Fee:

Maximum Engineering Fee:

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: Kleinfelder Inc., Los Angeles, CA

Maximum Engineering Fee: \$750,000.00

SPSF Utilization: 0%

Description of Work: Inspection, Testing, and Analysis of Materials

and Pavements

Firm: DOT Quality Services, Inc., Chicago, IL

\$150,000.00

SPSF Utilization: 100%

Operations Program Management – Transportation Asset Analytics

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 for 2017 Staff Full-Time Equivalents (FTE) On-site for GIS/Engineering Technician and GIS Analyst on an as needed basis for various federal-aid and state funded projects to support the Transportation Asset Analytics Unit. This contract will expire one (1) year; with three (3) one-year extensions possible after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing a private firm in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

Description of Work: 2017 Staff Full-Time Equivalents (FTE) On-

site for GIS/Engineering Technician and GIS

Analyst

Firm: Timmons Group Inc., Raleigh, NC

Maximum Engineering Fee: \$1,000,000.00

SPSF Utilization: 0%

Turnpike Authority

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 General Professional and Engineering Services on an as needed basis for various projects to support the Turnpike Authority. These contracts will expire three years after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

Description of Work: On-Call General Professional and

Engineering Services for oversight of Public Private Partnership and other Innovatively

Delivered Projects

Firm: RS & H Architects-Engineers-Planners, Inc.,

Charlotte, NC

Maximum Engineering Fee: \$2,000,000.00

SPSF Utilization: CALYX Engineers and Consultants

5% / \$100,000.00

SPSF Utilization: Forge Communications LLC

5% / \$100,000.00

NCDOT AUGUST 2017 BOARD OF TRANSPORTATION AGENDA Secondary Road Improvement Projects (Highway and Trust Funds)

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

Div / County	SR No. / Road Name	Description	Amount
Div 1	SR 1170	GDB&P	
Martin	Dallas Mobley Rd	Increase & close	\$10,765.63
	,	1C.058041	

Deletions:

Div / County	SR No. / Road Name	Description	Amount
Div 9 Rowan	SR 2120 Long Ferry Rd	Widening ROW & Utility conflicts	(\$149,114.80)
Div 13	Austin Drive	9C.080125 Upgrade to minimum standards	
Burke		Funded by alternate source 13C.012155	(\$24,971.00)
Div 14 Henderson	SR 1580 Lanning Rd	GDB&P ROW unavailable 14C.045157	(\$9,807.00)

Item E Summary:

0	Projects to Establish Funds	\$0.00
1	Projects to Increase Funds	\$0.00
0	Projects to Increase and Close	\$10,765.63
3	Projects Deletions	(\$183,829.80)

NCDOT August 2017 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 2 Pitt	51391	0.16	Wheaton Village Subdivision Wheaton village Drive, SR 2443 Ext.	2/28/17
Pitt	51392	0.16	Northside Commercial Center North Drive	5/10/17
Division 3 New Hanover	51393	0.12	Natures Walk Subdivision Lord Drive, SR 1908 Ext.	6/15/17
Pender	51394	0.16 0.13	Snug Harbor Subdivision Jamaica Drive, SR 1645 Ext. Mary Ann Drive	5/5/17
Division 5			W	- (00 (1-
Wake	51395	1.45	Yates Store Road	5/22/17
Wake	51396	0.42	Heron Point Subdivision Edgewater Drive	5/22/17
Wake	51415	1.53	Wendell Falls Subdivision Wendell Falls Parkway	2/3/17
Division 6 Harnett	51397	0.32	Oxford Woods Subdivision Oxford Woods Drive	6/8/17
Division 7 Alamance	51398	0.22	Apple Orchard Subdivision Apple Orchard Drive	5/1/17
Guilford	51399	0.21 0.06 0.10	Summerwind Subdivision Citron Drive Summer Breeze Court Summer Wind Court	11/2/16
Guilford	51400	0.06 0.11 0.36	Old Moore's Mill Subdivision Holly Glen Drive, SR 4848 Ext. Moore's Mill Court Moore's Mill Road	5/3/16
Guilford	51401	0.28 0.12	Harvest Ridge Subdivision Autumn Harvest Drive, SR 4632 Ext. Winnow Court	4/28/16

NCDOT August 2017 Board of Transportation Agenda

Road Additions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 7 Guilford	51402	0.08	Foxbury Subdivision Fox Terrier Drive	2/10/17
Guilford	51403	0.15	Fox Glen Subdivision Grey Fox Road, SR 3850 Ext.	4/24/17
Guilford	51404	0.45 0.05 0.05 0.05	Apple Grove at Arbor Run Subdivision Apple Grove Road, SR 4611 Ext. Nebbiolo Court Malbec Court Carignan Court	5/15/17
Division 12 Catawba	51405	0.72 0.23 0.27	Bakers Mountain Estate Subdivision Dwayne Starnes Road, SR 2914 Ext. Horse Rock Road Baker Barn Road	5/23/17
Iredell	51406	0.22 0.72	Fleetwood Road, SR 1364 Ext. Aviation Drive, SR 2790 Ext.	
Iredell	51407	0.04 0.04 0.03 0.07	The Point Subdivision Marbury Court Conway Court Waterhouse Court Kingsbury Court	4/12/17
Lincoln	51408	0.30 0.25	Verdict Ridge Subdivision Pine Valley Drive Augusta National Drive	4/1/17
Lincoln	51409	0.07	Stillwater Subdivision Cross Creek Court	2/24/17
Lincoln	51410	0.30 0.08	Donaphan Hills Court Wolf Road Penn Road	2/23/17
Lincoln	51411	0.04	Airlie Park Subdivision Rufus Road, SR 1387 Ext.	4/28/17

NCDOT August 2017 Board of Transportation Agenda

Deletions:

County	Pet. No.	Length (Miles)	Description	Date of Report
Division 12 Iredell	51412	0.16	Portion of SR 1364 Fleetwood Road	7/7/17
Iredell	51413	0.22	Portion of SR 1379 Airport Road	7/7/17
Lincoln	51414	0.60	Portion of SR 1387 Rufus Road	6/7/17

Summary: Number of Roads Petitioned for Addition – 37

Number of Roads Petitioned for Abandonment – 3

Corrections:

Division 6 – Harnett County Petition 51379 should add Pedley Place for 0.10 miles.

Division 8 – Hoke County Petition 51001 extended SR 1257. It should have been listed as SR 1267.

Division 9 – Forsyth County Petition 51374 Abandoned SR 1147. It should have been listed as SR 1167.

NCDOT AUGUST 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	Туре	Amount
Div 6 Bladen	Repave airport terminal building parking lot at Bladen County/Elizabethtown Airport	Contingency	\$35,000.00
	WBS 36244.4.7.1	TOTAL	\$35,000.00
Div 7 Guilford	City of High Point – WBS 43250 was established (05/11) to install pedestrian improvements on US-311 Business (Main St)	Contingency	\$100,000.00
	at Lexington Ave Increase funds	TOTAL	\$100,000.00
Div 7 Orange	Overlay and restripe a section of westbound I-40 at the US-15-501 interchange to provide for two through lanes in this area to match the typical section in Orange County WBS 47490	Contingency	\$250,000.00
Div 10 Mecklenburg	City of Charlotte – WBS 44829 was established (08/16) for the realignment of John Kirk Rd from NC-49 to Mallard Creek Church Rd	Contingency	\$250,000.00
	Increase funds	TOTAL	\$250,000.00
Div 12 Catawba	City of Newton - WBS 45970.3.1 was established (02/17) as Local Match for streetscape project (EB-5825) for the construction of West A street bike and pedestrian improvements Decrease funds and transfer to WBS 45970.1.1	Contingency	(\$250,000.00)
	Local Match for streetscape project (EB-5825) for the construction of West A street bike and pedestrian improvements	Contingency	\$250,000.00
	Transfer funds from WBS 45970.3.1	TOTAL	\$0.00

August 3, 2017 Page 1 of 2

NCDOT AUGUST 2017 BOARD OF TRANSPORTATION AGENDA

Funds Request

Division-wide Small Construction, Statewide Contingency, Public Access, Economic Development

Summary:

Number of Divisions 4 Number of Projects 5

Small Construction Commitment \$0.00
Industrial Access Commitment \$0.00
Contingency Commitment \$635,000.00
Economic Development \$0.00

TOTAL \$635,000.00

August 3, 2017 Page 2 of 2

Highway Division #	5310 – Elderly & Disabled	i	Estimated Cos	•
9	18-ED-918 The Workshop of Davidson Amendment will use Capital funds to continue purchasing transit services for developmentally disabled clients in Davidson County who require transportation to vocational training, employment, and compensatory educational opportunities. The services will be purchased from the Davidson County Transportation System. (Went to BOT March 2017 for 100,000 Total: 80 Fed/10 State/10 Local)	\$ \$ \$	Capit 160,000 128,000 16,000 16,000	al Total Federal State Local

Item I - 1, 1 Project, Total Federal/State Funds \$144,000

MODIFICATIONS to the Transit 2016-2025 STIP

STIP#	Transit Partner	DESCRIPTION	match	FUND	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)
TQ-6957	Chalotte Area Transit System	Operating projects for enhanced Mobility of Seniors and Individuals with disabilities	FEDP	5310	327	305	314	323			
			Local	L	327	305	314	323			
TQ-7009	Chalotte Area Transit System	Administrative oversight for Enhanced Mobility of Seniors and Individuals with disabilities	FEDP	5310	161	34	35	36			
TQ-6957	Chalotte Area Transit System	Enhanced Mobility of Seniors and Individuals with disabilities	FEDP	5310	1,119	678	699	720			
			Local	L	280	170	175	180			
TO-4705	City of Asheville (ART)	Asheville Redefines Transit. Transit Operations. Update funding amounts for FY 2016, 2017, 2018 and 2019. Add federal and local funding for FY 2020. Add SMAP funding for FY 2016-2020.	FUZ	5307	600	600	600	600			
			Local	L	600	600	600	600			
			SMAP	S	654	765	765	765			
TP-5113	City of Asheville (ART)	Asheville Redefines Transit. Planning Assistance. Increase federal funding amount.		FMPL	60	60	60	60	60	60	
TD-5282	City of Asheville (ART)	Asheville Redefines Transit. Transit Station Renovation. Shift this project to FY 2018 to allow more time for planning and design		FBUS		484					
				Local		517					
TQ-7010	City of Asheville (ART)	Asheville Redefines Transit. 5310 Administrative Oversight. Modify funding amounts for FY 2019		FEPD			30				
TQ-6186	City of Asheville (ART)	Asheville Redefines Transit. 5310 Traditional Projects. Modify funding amounts for FY 2019		FEPD			200				
				Local			50				
TQ-6187	City of Asheville (ART)	Asheville Redefines Transit. 5310 Other Projects. Modify funding amounts for FY 2019.		FEPD			94				
				Local			94				
TG-6183B	City of Asheville (ART)	Asheville Redefines Transit. Transit Preventative Maintenance. Add "and routine capital" to the description. Add funding for FY 2020.		FUZ				800			
				Local				200			
TM-5138	City of Asheville (ART)	Buncombe County-Black Mountain Trailblazer Service. Operating Assistance. Add JARC funding for FY 2018. Modify funding type. Modify counties served (remove Henderson) and Divisions served (remove Division 14).		FUZ 5307		83					
				Local		83					
TM-5137	City of Asheville (ART)	City of Asheville Black Mountain Transit Service. Jobs Access Reverse Commute Operating		FUZ 5307		105					

		Assistance. Add funding for FY									
		2018.		Local		105					
TM-5315	City of Asheville (ART)	ART Limited Sunday Service on Nine Routes Operating Assistance (JARC Funding). Add funding for FY 2018		FUZ 5307		187					
				Local		187					
TM-5163	City of Asheville (ART)	City of Asheville Administrative Oversight of JARC projects in the Asheville Urbanized Area (JARC Funding) Add funding for FY 2018.		FUZ 5307		49					
	Winston Salem										
TG-5241	Transit	Preventive Maintenance	FUZ	5307	4054	2100					
			Local	L	1013	525					
ADMINIS	TRATIVE MODIFIC	CATIONS to the Transit 2016-202	25 STIP						,		
STIP#	Transit Partner	DESCRIPTION	match	FUND	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)
TG-6180	Winston Salem Transit	Routine Capital Projects	FUZ	5307	746	520					
			Local	L	186	130					
	Winston Salem										
TO-5126	Transit	Operating Assistance	FUZ	5307	1406	906	906	906	906	906	
		,	Local	L	1406	906	906	906	906	906	
DEL ETIC	ONS to the Transit	2016-2025 STIP									
STIP#	Transit Partner	DESCRIPTION	match	FUND	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)
TM-5006	City of Asheville (ART)	Asheville Redefines Transit. Transit Operations. Delete federal and local funding for JARC projects starting in FY 2018. JARC funding to be programmed under separate projects going forward.	match	JARC	(000)	153	153	153	153	153	(000)
				Local		153	153	153	153	153	
TD-5282	City of Asheville (ART)	Asheville Redefines Transit. Transit Station Renovation. Shift this project to FY 2018 to allow		FBUS	484						

Asheville Redefines Transit. Routine Capital-Bus Stop Shelters, Benches, Shop Equipment, Spare Parts, Engines, FUZ 80 80 80 80 80 Farebox, Service Vehicles, Etc. Delete funding starting in FY 2018. Project TG-6183B to include ART transit routine capital projects going forward. 20 20 20

517

Item I-1A, 18 Projects, Total Federal/State funds \$27,497,000

Local

TG-4704

(ART)

City of Asheville

more time for planning and

design

NCDOT August 2017 Board of Transportation Agenda Rail Program						
Town/County Division	Project Description	Estimated Cost				
Division 7 Orange County 80000.2.2.5	The Rail Division requests partial reallocation of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds from Project Graphite (due to a change in industry commitment) to improvements for the at-grade crossing 735 145T (SR 1120-Mount Willing Road) in Efland. FRRCSI funding will supplement the exisitng HSIP funding awarded to the project. The Department will be responsible for the construction of the project. The total estimated cost to the Department is \$150,000. FRRCSI ID: F14235	\$150,000				

ITEM I-2 SUMMARY – 1 PROJECT – \$150,000 (TOTAL FEDERAL AND STATE)

NCDOT August 2017 Board of Transportation Agenda

Division of Bicycle and Pedestrian Transportation

Town/County Division

Project Description

Estimated Cost

There will be no items presented for approval at the August 3, 2017 Board of Transportation meeting.

ITEM I-3 SUMMARY - NO PROJECTS

NCDOT August 2017 Board of Transportation Agenda

Aviation Division

Town/County Division

Project Description

Estimated Cost

There will be no items presented for approval at the August 3, 2017 Board of Transportation meeting.

ITEM I-4 SUMMARY - NO PROJECTS

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Camden/ Pasquotank Cos. Div. 1 U-5942 REGIONAL	WBS 45861.1.1 Elizabeth City Signal System. Initial funds are requested for preliminary engineering.	\$460,000.00
Currituck Co. Div. 1 R-2576 STATEWIDE/ DIVISION	WBS 34470.2.1 Mid-Currituck Bridge from Coinjock to Corolla. \$7,012,410.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Funds are requested for advanced acquisition of Specific Parcel 903 (Property of CS Land Holdings, LLC) for \$500,000.00 using Division Tier funding. This project has previously been identified as a Trust Fund Intrastate System project.	\$500,000.00
Dare Co. Div. 1 R-5738 DIVISION	WBS 50196.2.2 SR 1208 (West Kitty Hawk Road) from SR 1210 (Bob Perry Road) to Ivy Lane. Initial funds are requested for utilities.	\$175,000.00
Dare Co. Div. 1 R-5738 DIVISION	WBS 50196.2.1 SR 1208 (West Kitty Hawk Road) from SR 1210 (Bob Perry Road) to Ivy Lane. Initial funds are requested for full right of way.	\$25,000.00
Martin Co. Div. 1 R-5810 DIVISION	WBS 46978.1.1 US 17 from SR1119 (Ralph Taylor Road) to SR 1205 (Holly Creek Road). Initial funds are requested for preliminary engineering.	\$500,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Northampton Co. Div. 1 R-2582A DIVISION	WBS 34472.2.4 US 158 from I-95 / NC 46 in Roanoke Rapids to SR 1312 (St. John Church Road) in Northampton County. Initial funds are requested for full right of way.	\$13,990,000.00
Carteret Co. Div. 2 R-5816 REGIONAL	WBS 46988.1.1 NC 58 (West Fort Macon) at Atlantic Beach Causeway. Initial funds are requested for preliminary engineering.	\$100,000.00
Carteret Co. Div. 2 R-5852 REGIONAL	WBS 47540.1.1 NC 58 (Emerald Drive) at Bouge Inlet Drive. Initial funds are requested for preliminary engineering.	\$300,000.00
Carteret Co. Div. 2 R-5858 STATEWIDE	WBS 47546.1.1 US 17 at NC 58. Initial funds are requested for preliminary engineering.	\$200,000.00
Carteret Co. Div. 2 U-6058 REGIONAL	WBS 47482.1.1 US 70 (Live Oak Street) at NC 101. Initial funds are requested for preliminary engineering.	\$300,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Craven Co. Div. 2 F-5000 REGIONAL	WBS 41146.3.2 Cherry Branch Visitor's Center replacement. \$2,025,000.00 has previously been approved for construction. Additional funds are requested due to change orders during construction. This is a Strategic Transportation Investments Transition project.	\$160,000.00
Craven Co. Div. 2 R-2513A DIVISION	WBS 35497.1.3 US 17 from NC 43 to SR 1438 (Spruill Town Road). \$750,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete the final plans.	\$800,000.00
Greene/ Lenoir Cos. Div. 2 R-5814 DIVISION	WBS 46985.1.1 US 258 from SR 1101 (Browntown Road) to SR 2010 (C.F. Harvey Parkway). Initial funds are requested for preliminary engineering.	\$2,000,000.00
Pitt Co. Div. 2 U-5875 DIVISION	WBS 44677.1.1 SR 1203 (Allen Street) from SR 1467 (Stantonsburg Road) to US 13 (Dickinson Avenue Extension). \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$700,000.00
Pitt Co. Div. 2 U-5919 DIVISION	WBS 44641.2.1 SR 1126 (Boyd Street) from NC 11 to Railroad Street. Initial funds are requested for full right of way and utilities.	\$20,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Pitt Co. Div. 2 U-5953 REGIONAL	WBS 46894.1.1 NC 102 at Ayden Elementary School. Initial funds are requested for preliminary engineering.	\$100,000.00
Brunswick Co. Div. 3 R-3432(L) DIVISION	WBS 35501.3.2 Landscape development along SR 1163 (Old Georgetown Rd. Extension) from SR 1184 (Ocean Isle Beach Rd.) to NC 179. Initial funds are requested for construction. This is a Strategic Transportation Investments Transition project.	\$55,000.00
Brunswick Co. Div. 3 U-5788 DIVISION	WBS 44360.1.1 US 17 Business (Main Street) at Wall Street / Shallotte Avenue. \$750,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$250,000.00
New Hanover Co. Div. 3 U-4902D STATEWIDE	WBS 40238.1.4 US 17 Business (Market Street) from Lendire Road to SR 2734 (Marsh Oaks Drive). \$500,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$2,000,000.00
New Hanover Co. Div. 3 U-5790 DIVISION	WBS 44362.1.2 US 421 (Carolina Beach Road) from NC 132 (South College Road) to Sanders Road. \$500,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$1,000,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Onslow Co. Div. 3 TD-4904 DIVISION	WBS 47405.3.1 Jacksonville Transit Onslow County facility. Initial funds are requested for construction.	\$755,000.00
Jacksonville/ Onslow Co. Div. 3 U-5508 STATEWIDE	WBS 50015.1.2 NC 24 (Lejeune Boulevard) at NC 53 (Western Boulevard). \$540,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$50,000.00
Onslow Co. Div. 3 U-5719 STATEWIDE	WBS 50117.1.2 US 258 (Richlands Highway) at SR 1219 (Blue Creek Road)/ SR 1396 (Ridge Road). \$550,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$25,000.00
Onslow Co. Div. 3 U-5719 STATEWIDE	WBS 50117.3.1 US 258 (Richlands Highway) at SR 1219 (Blue Creek Road)/ SR 1396 (Ridge Road). Initial funds are requested for construction.	\$1,350,000.00
Onslow Co. Div. 3 U-5735 REGIONAL	WBS 54025.1.1 US 17 (Wilmington Highway) at SR 1130 (Old Maple Hurst Road). Construct interchange. \$600,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$800,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Onslow Co. Div. 3 U-5736 REGIONAL	WBS 54026.1.1 NC 53 (Western Boulevard) from US 17 (Marine Boulevard) to NC 24 (Lejuene Boulevard). \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$1,000,000.00
Onslow Co. Div. 3 U-5739 REGIONAL	WBS 54028.1.1 US 258 (Richlands Highway) from SR 1212 (Pony Farm Road) to NC 53 (Burgaw Highway). \$1,270,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$230,000.00
Onslow Co. Div. 3 U-5741 REGIONAL	WBS 54030.1.1 NC 24 (Lejuene Boulevard) from NC 24 Business (Johnson Boulevard) to the Jacksonville Urban Area Boundary. \$750,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$1,750,000.00
Onslow Co. Div. 3 U-5791 DIVISION	WBS 44363.1.1 SR 2714 (Jacksonville Parkway) from NC 53 (Western Boulevard) to US 17 (New Bern Highway). \$750,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$1,000,000.00
Pender Co. Div. 3 R-5701 REGIONAL	WBS 46373.1.1 NC 53 at US 117 Business (Walker/Wilmington Street). \$400,000.00 has previously been approved for preliminary engineering. Additional funds are requested for design work.	\$600,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Sampson Co. Div. 3 R-2303D STATEWIDE	WBS 34416.2.5 NC 24 from SR 1303 (Mitchell Loop Road) to US 421 - 701/ SR 1296 (Sunset Avenue). \$17,800.000.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This project has previously been identified as a Trust Fund Intrastate System project. This is a Strategic Transportation Investments Transition project.	\$120,000.00
Wake Co. Div. 5 TD-4912 DIVISION	WBS 54006.3.3 (New Hope Road) in Raleigh. Initial funds are requested for construction of a transit transfer facility.	\$88,000.00
Wake Co. Div. 5 TD-5272 DIVISION	WBS 54010.3.1 South Wilmington Street at Pecan Road in Raleigh. Initial funds are requested for construction of an off-street transit transfer facility.	\$88,000.00
Columbus Co. Div. 6 R-5797 REGIONAL	WBS 44997.1.1 US 74 at SR 1506 (Boardman Road). Initial funds are requested for preliminary engineering.	\$1,500,000.00
Fayetteville/ Cumberland Co. Div. 6 U-2519CB STATEWIDE	WBS 34817.2.8 Fayetteville Outer Loop from south of SR 1400 (Cliffdale Road) to east of SR 1415 (Clearwater Road). \$31,508,896.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This project has previously been identified as a Trust Funds Urban Loop project. This is a Strategic Transportation Investments Transition project.	\$325,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Robeson Co. Div. 6 R-4428 REGIONAL	WBS 38914.1.2 NC 711 from SR 1340 (Odom Street/Philadelphus Road) to SR 1557 (Redmond Road). Initial funds are requested for preliminary engineering.	\$900,000.00
Caswell Co. Div. 7 R-5822 REGIONAL	WBS 47094.1.1 NC 86 from US 158 to Virginia State Line. Initial funds are requested for preliminary engineering.	\$100,000.00
Rockingham Co. Div. 7 R-2413CA STATEWIDE	WBS 34429.3.S9 US 220 / Future I-73 at NC 68. Convert at-grade intersection to interchange. \$10,620,000.00 has previously been approved for construction. Additional funds are requested to cover contract costs.	\$3,000,000.00
Forsyth Co. Div. 9 AV-5738 DIVISION	WBS 46332.2.1 Smith Reynolds Airport (INT). Acquire land and clear terrain obstructions east of runway 15-33 to drain and grade material in place. Initial funds are requested for full right of way and utilities.	\$172,000.00
Forsyth Co. Div. 9 R-2247D REGIONAL	WBS 34409.2.10 Winston-Salem Northern Beltway (Western Section), north of SR 1348 (Robinhood Road - Meadowlark Drive) to NC 67. \$7,543,277.00 has previously been approved for appraisal and acquisition of specific parcels. Additional funds are requested for maintenance and equipment rental costs. This project has previously been identified as a Trust Fund Urban Loop project.	\$400,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Winston- Salem/ Forsyth Co. Div. 9 U-2579 STATEWIDE	WBS 34839.1.1 The Winston-Salem Northern Beltway (Eastern Section) from US 52 to US 311. \$19,188,564.00 has previously been approved for preliminary engineering. Additional funds are requested to complete the final plans. This project has previously been identified as a Trust Fund Urban Loop project.	\$500,000.00
Winston- Salem/ Forsyth Co. Div. 9 U-2579AB REGIONAL	WBS 34839.2.4 Winston-Salem Northern Beltway Eastern Section (Future I-74) from I-40 to I-40 Business / US 421. \$29,770,663.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are requested for advanced acquisition of Specific Parcel 907 (Property of Ronald and Donna Weavil) for \$268,913.00. This project has previously been identified as a Trust Fund Urban Loop project.	\$268,913.00
Rowan Co. Div. 9 B-5769 DIVISION	WBS 45725.2.1 Replace Bridge #200 over Town Creek on SR 2539 (Peach Orchard Road). Initial funds are requested for full right of way and utilities.	\$200,000.00
Mecklenburg Co. Div. 10 P-5705B DIVISION	WBS 44475.1.2 Charlotte Gateway Station. \$3,100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$2,500,000.00
Mecklenburg Co. Div. 10 U-5804B DIVISION	WBS 44376.2.2 SR 3448 (South Trade Street) from Four Mile Creek to Weddington Road. \$100,000.00 has previously been approved for full right of way. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$120,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Lincoln/ Mecklenburg Cos. Divs. 10/12 R-5721 REGIONAL	WBS 50215.1.1 NC 73 from NC 16 Business in Lincoln County to SR 5544 (West Catawba Avenue) in Mecklenburg County. \$500,000.00 has previously been approved for preliminary engineering. Additional funds are requested to continue with ongoing project development work.	\$750,000.00
Caldwell/ Watauga Cos. Div. 11 R-2237C STATEWIDE	WBS 34402.3.7 US 321 from south of SR 1500 (Blackberry Road) to US 221 at Blowing Rock. \$71,256,360.00 has previously been approved for construction. Additional funds are requested to cover contract costs. This project has previously been identified as a Trust Fund Intrastate System project. This is a Strategic Transportation Investments transition.	\$10,000,000.00
Caldwell Co. Div. 11 U-5776 REGIONAL	WBS 50187.1.1 Granite Falls - at intersection of SR 1106 (Duke Street) and US 321A. Realign intersection. \$295,863.00 has previously been approved for preliminary engineering. Additional funds are requested to complete the final plans.	\$200,000.00
Statewide Div. 12 M-0488A REGIONAL	WBS 46404.1.14 Shelby Bypass - Map Act Lawsuit. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$125,000.00
Burke Co. Div. 13 I-5009 REGIONAL	WBS 41824.1.1 I-40 and US 64 (Burkemont Road). \$405,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$140,000.00

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Burke Co. Div. 13 U-5836 REGIONAL/ DIVISION	WBS 50228.1.1 NC 181 from SR 1414 (St. Mary's Church Road) to Morganton Extra Territorial Jurisdiction. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget using Regional Tier funding.	\$120,000.00
Cherokee Co. Div. 14 R-5527B DIVISION	WBS 44097.3.D4 New route from the US 74/19/129, SR 1366 intersection, east to the Eastern Band Cherokee Indians tribal boundary in Cherokee County. \$6,771,016.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$2,100,000.00
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). \$628,393.00 has previously been approved for preliminary engineering. Additional funds are requested to complete the final plans.	\$250,000.00
Clay Co. Div. 14 R-5742 DIVISION	WBS 46325.1.D1 NC 175 from Georgia State Line to US 64, upgrade roadway. \$738,893.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$120,000.00
Jackson Co. Div. 14 R-5000 DIVISION	WBS 41156.3.1 New location connector from NC 116 to NC 107 in Webster. \$18,529,043.00 has previously been approved for construction. Additional funds are requested for contract administration costs. This project has previously been identified as a Trust Fund Specific State Funds for Construction project.	\$300,000.00

Town/ County Division PROJ. CATEGORY	Project Description	n	Estimated Cost
Macon Co. Div. 14 R-5734A DIVISION	WBS 50192.2.1 US 23/ US 441 from US 64 to SR 1 SR 1152 (Belden Circle). Initial funds of way and utilities.		\$530,000.00
Polk Co. Div. 14 R-5756 DIVISION	WBS 46441.3.1 Realignment of SR 1326 (Pea Ridge Road and construction of a roundab US 74. \$1,600,000.00 has previously that have or will exceed the previously	out at the intersection with busly been approved for eded to cover expenditures	\$205,000.00
Statewide M-0194 STATEWIDE	WBS 34263.1.1 Feasibility Studies by Division of Pl \$28,300,381.00 has previously bee studies. Additional funds are required previously been identified as a T Funds for Construction project.	n approved for feasibility ested. This project has	\$5,000,000.00
Statewide M-0392 STATEWIDE/ REGIONAL/ DIVISION	WBS 40290.1.2 Hydraulics and preliminary engine projects. \$729,436.00 has previous preliminary engineering. Additional design of stormwater measures associated Edgecombe County using 40% State Regional (\$225,000.00) / 30% Diffunding.	usly been approved for funds are requested for ociated with Princeville and ewide (\$300,000.00) / 30%	\$750,000.00
STATEWIDE S	TRATEGIC TRANSPORTATION	11 PROJECTS	\$22,570,000.00
REGIONAL ST	RATEGIC TRANSPORTATION	20 PROJECTS	\$10,183,913.00
DIVISION STR	ATEGIC TRANSPORTATION	25 PROJECTS	\$27,943,000.00

STRATEGIC TRANSPORTATION INVESTMENTS	59 PROJECTS	\$62,066,913.00
TRAINSFORTATION INVESTIGENTS		
REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$120,000.00
STATEWIDE/REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$750,000.00
STATEWIDE/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$500,000.00

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

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wayne Co. Div. 4 SS-4904EI	WBS 47613.3.1 NC 222 at NC 581. Initial construction funds are needed for intersection improvements including all-way stop, islands, signing, and advance flashers installation. File 04-17-45927C	\$127,801.00
Wake Co. Div. 5 SS-4905DO	WBS 44902.3.1 SR 1390 (Optimist Farm Road) near Talicud Trail. \$22,500.00 in construction funds has previously been approved for dynamic curve warning system installation. Additional funds are needed due to an increase in construction costs. File 05-16-0729-1	\$11,000.00
Apex/ Wake Co. Div. 5 SS-4905FB	WBS 47614.3.1 SR 1162 (Apex Barbecue Road) over Beaver Creek at Bridge #362. Initial construction funds are needed for guardrail installation. File 05-17-7260C	\$20,000.00
Hoffman/ Richmond Co. Div. 8 SS-4908BG	WBS 44953.3.1 US 1 south of SR 1475 in Hoffman. \$67,500.00 in construction funds has previously been approved for superelevation improvements. Additional funds are needed due to an increase in construction costs. File 08-16-2100-1	\$25,500.00
Statesville/ Iredell Co. Div. 12 SS-4912BH	WBS 44279.3.1 SR 2321 (Broad Street) at Elm Street. \$16,000.00 in construction funds has previously been approved for median crossover removal. Scope needs to be revised to left turn lane installation. Additional funds are needed due to the scope change. File 12-14-206-1	\$59,000.00

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

Town/ **Estimated Project** County Description Cost Division PROJ. CATEGORY Buncombe WBS 44879.3.1 \$87,000.00 Co. NC 151 from SR 3452 to Railroad Bridge #292 just south of US 19-23. \$108,000.00 in construction funds has previously Div. 13 SS-4913CG been approved for centerline rumble strips and pavement marking improvements. Additional funds are needed due to an increase in construction costs.

File 13-16-213-1

ITEM L SUMMARY 6 PROJECTS \$330,301.00

Division 1

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Bertie Co. SS-4901BA DIVISION	47436.1.1, HSIP-1100(037) SR 1100 (Ghent Street / Grabtown Road) between SR 1106 and US 13; SR 1500 (Woodard Road) between US 13 and SR 1529; SR 1106 (St. Francis Road) between US 13 and SR 1100; SR 1101 (Madre Road) between SR 1100 and NC 308. Funds are needed for preliminary engineering.	\$15,000.00 Cost \$13,500.00 Fed. \$1,500.00 State
Dare Co. SS-4901BB STATEWIDE	47437.1.1, HSIP-0158(066) US 158 (Croatan Highway) at SR 1206 (Kitty Hawk Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

Division 2

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Beaufort Co. W-5702G REGIONAL	44848.1.7, HSIP-0264(064) US 264 between 1,600 feet west and 2,400 feet east of SR 1327 (Neck Road) near Beaufort County Community College. Funds are needed for preliminary engineering.	\$75,000.00 Cost \$67,500.00 Fed. \$7,500.00 State
Craven Co. SS-4902CM DIVISION	47438.1.1, HSIP-1232(006) SR 1232 (Asbury Road) between SR 1001 and NC 55. Funds are needed for preliminary engineering.	\$20,000.00 Cost \$18,000.00 Fed. \$2,000.00 State
Lenoir Co. SS-4902CN DIVISION	47439.1.1, HSIP-1838(005) SR 1838 (Vernon Avenue) at McLewean Street. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Pitt Co. W-5702H REGIONAL	44848.1.8, HSIP-0013(066) US 13/NC 11 between the Carolina Coastal Rail crossing 0.1 mile south of Moye Boulevard and NC 43 (Fifth Street). Funds are needed for preliminary engineering.	\$100,000.00 Cost \$90,000.00 Fed. \$10,000.00 State

Division 3

Enhancement

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Brunswick Co. E-5501 DIVISION	55065.1.F1, STPE-000S(744) Freedom Roads - NC Department of Cultural Resources for multiple counties. \$24,000.00 has previously been approved for preliminary engineering. Additional funds are requested to cover costs of consultant contracts. This is a Strategic Transportation Investments Transition project.	\$16,000.00 Cost \$12,000.00 Fed. \$4,000.00 Other
	Urban	
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). \$500,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work.	\$500,000.00 Cost \$400,000.00 Fed. \$100,000.00 State
Carolina Beach/ New Hanover Co. U-5534E DIVISION	44096.3.6, STPDA-0308(008) Carolina Beach Island Greenway and Harper Avenue bike lanes. Construction funds are needed for bike lanes.	\$151,590.00 Cost \$121,272.00 Fed. \$30,318.00 Local
Wilmington/ New Hanover Co. U-5534G DIVISION	44096.1.F8, STPDA-0332(048) Hooker Road from Wrightsville Avenue to Mallard Drive / Rose Avenue intersection. \$60,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work.	\$25,000.00 Cost \$20,000.00 Fed. \$5,000.00 State

Division 3 (Continued)

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wilmington/ New Hanover Co. U-5534H DIVISION	44096.1.F9, STPDA-0332(049) Hinton Avenue from River to the Sea Bikeway to Greenville Avenue. \$60,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work.	\$25,000.00 Cost \$20,000.00 Fed. \$5,000.00 Local
Carolina Beach/ New Hanover Co. U-5534L DIVISION	44096.3.13, STPDA-0332(054) Carolina Beach Island Greenway - Greenville Avenue to Alabama Avenue. Construction funds are needed for sidewalk improvements.	\$483,485.00 Cost \$386,788.00 Fed. \$96,697.00 Local
New Hanover Co. U-5710 STATEWIDE	50115.1.FS1, NHPP-0074(159) US 74 (Eastwood Road) at SR 1409 (Military Cutoff Road) intersection. \$700,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work.	\$1,000,000.00 Cost \$800,000.00 Fed. \$200,000.00 State
New Hanover Co. U-5731 STATEWIDE	54022.1.1, NHP-0074(190) US 74 at US 17 / US 421, construct a fly-over and free flow ramp at interchange. \$700,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work.	\$800,000.00 Cost \$640,000.00 Fed. \$160,000.00 State

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

Division 3 (Continued)

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
New Hanover Co. U-5792 DIVISION	54038.1.FD1, NHP-0074(171) US 74 (Martin Luther King, Jr. Parkway) at US 117 / NC 132 (College Road). \$500,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work.	\$1,000,000.00 Cost \$800,000.00 Fed. \$200,000.00 State
Onslow Co. U-4906 DIVISION	40255.1.1, STP-1308(012) SR 1308 (Gum Branch Road) from west of SR 1313 (Mills Field Road) to east of SR 1324 (Ramsey Road). \$1,639,708.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work. This is a Strategic Transportation Investments Transition project.	\$1,000,000.00 Cost \$800,000.00 Fed. \$200,000.00 State
Jacksonville/ Onslow Co. U-5319 DIVISION	45433.2.1, HPPSTP-1308(013) Intersection of SR 1308 (Gum Branch Road) and SR 1470 (Western Boulevard). Funds are needed for full right of way and utilities. This is a Strategic Transportation Investments Transition project.	\$1,800,000.00 Cost \$1,440,000.00 Fed. \$360,000.00 State
	Safety	
Brunswick Co. SS-4903DC DIVISION	47440.1.1, HSIP-1137(011) SR 1137 (Boones Neck Road) and SR 1141 (Kirby Road). Funds are needed for preliminary engineering.	\$2,500.00 Cost \$2,250.00 Fed. \$250.00 State

Division 3 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
New Hanover Co. SS-4903DD STATEWIDE	47441.1.1, HSIP-1209(009) SR 1209 and US 117 (Shipyard Boulevard). Funds are needed for preliminary engineering.	\$4,813.00 Cost \$4,331.00 Fed. \$482.00 State
New Hanover Co. SS-4903DE REGIONAL	47443.1.1, HSIP-0074(205) US 74 (Eastwood Road) at SR 1409 (Military Cutoff Road). Funds are needed for preliminary engineering.	\$5,625.00 Cost \$5,062.00 Fed. \$563.00 State
Onslow Co. W-5203X STATEWIDE	45333.3.24, HSIP-0017(138) US 17 (New Bern Highway) and SR 1407 (Wolf Swamp Road) and SR 1326 (Drummer Kellum Road). Funds are needed for construction for safety improvements.	\$2,200,000.00 Cost \$1,980,000.00 Fed. \$220,000.00 State
Onslow Co. W-5601A DIVISION	50138.2.2, HSIP-1316(020) SR 1316 (Rhodestown Road) from SR 2054 (Cross Creek Drive) to Holly Grove Court. Funds are needed for full right of way and utilities.	\$145,000.00 Cost \$130,500.00 Fed. \$14,500.00 State

Division 3 (Continued)

High Priority

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Jacksonville/ Onslow Co. U-5319 DIVISION	45433.1.1, HPPSTP-1308(013) SR 1308 (Gum Branch Road) and SR 1470 (Western Boulevard). \$1,208,062.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$300,000.00) as design is complete. This is a Strategic Transportation Investments Transition project.	-\$300,000.00 Cost -\$240,000.00 Fed. -\$60,000.00 State
	Rural	
Statewide R-5783A DIVISION	44913.3.2, TAP-0332(131) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of <5000. \$206,071.00 has previously been approved for construction. Additional funds are needed to install or upgrade ADA Ramps.	\$550,000.00 Cost \$440,000.00 Fed. \$110,000.00 State
Statewide R-5783B DIVISION	44913.3.3, TAP-0332(132) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of >5000. \$394,752.00 has previously been approved for construction. Additional funds are needed to install or upgrade ADA Ramps.	\$465,000.00 Cost \$372,000.00 Fed. \$93,000.00 State

Division 4

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wayne Co.	47444.1.1, HSIP-0070(213)	\$10,000.00 Cc	ed.
SS-4904EH	US 70 at Crossover east of SR 1326 (Claridge Nursery Road).	\$9,000.00 Fe	
STATEWIDE	Funds are needed for preliminary engineering.	\$1,000.00 Sta	
Wayne Co.	47613.1.1, HSIP-0222(007)	\$4,199.00 Cc	ed.
SS-4904EI	NC 222 at NC 581. Funds are needed for preliminary	\$3,779.00 Fe	
REGIONAL	engineering.	\$420.00 Sta	

Division 5

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Louisburg/ Franklin Co. C-5527 EXEMPT	51041.3.3, CMS-0514(004) SR 1229 (South Main Street) from the existing sidewalk to NC 56 West. Funds are needed for construction for a sidewalk.	\$577,859.00 Cost \$462,287.00 Fed. \$115,572.00 Local
Louisburg/ Franklin Co. C-5568 EXEMPT	50105.3.1, CMS-0514(005) Construct sidewalks at various locations. Construction funds are needed for sidewalks.	\$185,000.00 Cost \$148,000.00 Fed. \$37,000.00 Local
	Urban	
Durham Co. U-5968 REGIONAL	45982.1.1, STBG-0505(084) Upgrade ITS Signal System. Funds are needed for preliminary engineering.	\$3,994,000.00 Cost \$3,145,674.00 Fed. \$801,196.00 State \$47,130.00 Local
Wake Co. U-5118OA EXEMPT	43279.1.36, STPDA-0520(059) Wake Forest Road / Blount Street / Person Street (Hoke to Wake Forest) and Wake Forest Road. Funds are needed for preliminary engineering.	\$3,500.00 Cost \$2,520.00 Fed. \$980.00 Local

Division 5 (Continued)

Urban

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wake Co. U-5927A DIVISION	44796.1.2, STPDA-2768(003) SR 2768 / SR 5056 (North Judd Parkway North East) from SR 3736 (Old Honeycutt Road) to North of Intersection of SR 5056 (North Judd Parkway North East) and SR 1402 (East Broad Street). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$3,650.00 Fed. \$1,350.00 Local
	Safety	
Durham Co. SS-4905EZ REGIONAL	47451.1.1, HSIP-0098(034) NC 98 at Adams Street and NC 98 at Woodcrest Street. Funds are needed for preliminary engineering.	\$35,000.00 Cost \$31,500.00 Fed. \$3,500.00 State
Durham Co. SS-4905FA REGIONAL	47452.1.1, HSIP-0054(029) NC 54 at NC 751. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Wake Co. SS-4905ET DIVISION	47445.1.1, HSIP-2000(012) SR 2000 (Wake Forest Road) at Navaho Drive. Funds are needed for preliminary engineering.	\$3,500.00 Cost \$3,150.00 Fed. \$350.00 State

Division 5 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Wake Co. SS-4905EU REGIONAL	47446.1.1, HSIP-0401(287) US 401 / NC 42 / NC 55 (Main Street) at Hampton Square / Sunset Plaza. Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State
Wake Co.	47447.1.1, HSIP-2041(003)	\$3,500.00 Cost
SS-4905EV	SR 2041 (Spring Forest Road) at SR 2042 (Fox Road). Funds	\$3,150.00 Fed.
DIVISION	are needed for preliminary engineering.	\$350.00 State
Wake Co.	47448.1.1, HSIP-1379(004)	\$3,000.00 Cost
SS-4905EW	SR 1379 (Penny Road) at SR 1382 (Olde South Road). Funds	\$2,700.00 Fed.
DIVISION	are needed for preliminary engineering.	\$300.00 State
Wake Co.	47449.1.1, HSIP-1613(010)	\$3,500.00 Cost
SS-4905EX	SR 1613 (Davis Drive) at SR 1635 (McCrimmon Parkway).	\$3,150.00 Fed.
DIVISION	Funds are needed for preliminary engineering.	\$350.00 State

Division 5 (Continued)

Safety

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Wake Co. SS-4905EY DIVISION	47450.1.1, HSIP-1101(016) SR 1101 (Piney Grove Wilbon Road) at SR 1100 (Wagstaff Road). Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Fed.
Wake Co. SS-4905FB DIVISION	47614.1.1, HSIP-1162(008) Install approach and departure bridge guardrail at Bridge #362 over Beaver Creek on SR 1162. Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	
Wake Co. W-5601CR REGIONAL	50138.3.97, HSIP-0070(194) US 70 Business at SR 2555 (Raynor Road / Auburn-Knightdale Road). Funds are needed for construction for safety improvements.	\$430,000.00 \$387,000.00 \$43,000.00	Cost Fed. State
	Rail Program		
Wake Co. M-0509 EXEMPT	46962.3.1, RR-0505(083) CSX Railroad, extend Capital Yard Lead Tracks in Raleigh. Funds are needed for construction for lead tracks.	\$3,758,781.00 \$3,007,025.00 \$751,756.00	

Division 5 (Continued)

Bicycle and Pedestrian

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Apex/ Wake Co. U-5530AC DIVISION	44111.1.19, TAPDA-0501(047) SR 1157 (James Street) to Downtown Apex. Funds are needed for preliminary engineering.	\$7,000.00 Cost \$4,900.00 Fed. \$2,100.00 Local

Division 6

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Cumberland Co. I-5788A STATEWIDE	53028.3.2, NHPIM-0095(050) I-95 additional bridge repairs from Mile Marker 53 to the Harnett / Johnston County Line Mile Marker 78. Funds are needed for construction for bridge repairs.	\$2,000,000.00 Cost \$1,600,000.00 Fed. \$400,000.00 State
Robeson Co. I-5850A STATEWIDE	53055.1.2, NHPIM-0095(051) I-95 from North of US 301 Mile Marker 22 to Cumberland County Line Mile Marker 40. Funds are needed for preliminary engineering.	\$200,000.00 Cost \$160,000.00 Fed. \$40,000.00 State
Robeson Co. I-5850A STATEWIDE	53055.3.2, NHPIM-0095(051) I-95 from North of US 301 Mile Marker 22 to Cumberland County Line Mile Marker 40. Construction funds are needed for bridge rehabilitation.	\$5,000,000.00 Cost \$4,000,000.00 Fed. \$1,000,000.00 State
Robeson Co. I-5850B STATEWIDE	53055.3.1, NHPIM-0095(049) I-95 from north of US 301 Mile Marker 22 to Cumberland County Line Mile Marker 40. \$5,000,000.00 has previously been approved for construction. Funds need to be decreased (\$5,000,000.00). Funds are being requested under WBS 53055.3.2.	-\$5,000,000.00 Cost -\$4,000,000.00 Fed. -\$1,000,000.00 State
Robeson Co. I-5938 STATEWIDE	45881.3.1, NHPIM-0074(202) I-74 from NC 710 to NC 41. \$5,000,000.00 has previously been approved for construction. Funds need to be decreased (\$5,000,000.00). Funds are being requested under WBS 45881.3.2	-\$5,000,000.00 Cost -\$4,000,000.00 Fed. -\$1,000,000.00 State

Division 6 (Continued)

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Robeson Co. I-5938A STATEWIDE	45881.1.2, NHPIM-0074(206) I-74 / NC 710 / NC 41. Funds are needed for preliminary engineering.	\$200,000.00 Cost \$160,000.00 Fed. \$40,000.00 State
Robeson Co. I-5938A STATEWIDE	45881.3.2, NHPIM-0074(206) I-74 / NC 710 / NC 41. Construction funds are needed for bridge rehabilitation.	\$5,000,000.00 Cost \$4,000,000.00 Fed. \$1,000,000.00 State
	Surface Transportation	
Cumberland Co. R-4436FD STATEWIDE	34625.2.70, STP-0295(004) NC 295 within the interchange with NC 24 / 87 and NC 210 and interchange in Cumberland County. \$250,000.00 has previously been approved for construction. Additional construction funds are requested for a filtration basin as a stormwater retrofit for water quality improvement.	\$120,000.00 Cost \$96,000.00 Fed. \$24,000.00 State
Safety		
Bladen Co. W-5706C REGIONAL	44852.1.3, HSIP-0041(110) NC 41 at NC 410. \$340,000.00 has previously been approved for preliminary engineering. Additional funds are needed for plans.	\$160,000.00 Cost \$144,000.00 Fed. \$16,000.00 State

Division 6 (Continued)

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Cumberland Co. SS-4906DC STATEWIDE	47453.1.1, HSIP-0295(005) NC 295 and US 13 from 850 feet west of US 301 (Dunn Road) to 950 feet east of SR 1933 (Pembroke Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
	Rail Program	
Cumberland Co. Z-5400Fl DIVISION	43600.3.58, RR-1168(005) Railway-Highway Grade Crossing Safety Project. SR 1168 (Whitfield Street) at CSX Transportation Tracks; Crossing #629 886P in Fayetteville. \$382,424.00 has previously been approved for construction. Additional funds are requested to complete installation of crossing flashers and gates.	\$125,000.00 Cost \$112,500.00 Fed. \$12,500.00 State
Robeson Co. Z-5400FP DIVISION	43600.3.95, RR-000S(870) Railway-Highway Grade Crossing Safety Project at multiple crossings along CSX Corridor at Malloy Street at Crossing #630 952W, First Street at Crossing #630 976K in Maxton and NC 72 (Roberts Avenue) at Crossing #623 950R in Lumberton. Construction funds are needed to install crossing flashers and gates.	\$1,221,000.00 Cost \$1,098,900.00 Fed. \$122,100.00 State
	Rural	
Statewide R-5786A DIVISION	44916.3.2, TAP-0620(035) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of >5000. \$298,750.00 has previously been approved for construction. Additional funds are needed for the upgrade or installation of ADA ramps.	\$147,690.00 Cost \$118,152.00 Fed. \$29,538.00 State

Division 6 (Continued)

Rural

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Statewide R-5786A DIVISION	44916.3.3, TAP-0620(036) ADA (Americans with Disabilities Act) Curb Ramps at various locations (Bladen, Columbus, Robeson) with a population of <5000. \$301,850.00 has previously been approved for construction. Additional funds are needed for the installation or upgrade of ADA ramps.	\$526,550.00 Cost \$421,240.00 Fed. \$105,310.00 State
Statewide R-5786B DIVISION	44916.3.4, TAP-0620(037) ADA (Americans with Disabilities Act) Curb Ramps at various locations (Cumberland, Harnett) with a population of >5000. \$130,650.00 has previously been approved for construction. Additional funds are needed for the upgrade or installation of ADA ramps.	\$290,436.00 Cost \$232,348.00 Fed. \$58,088.00 State
Statewide R-5786B DIVISION	44916.3.5, TAP-0620(038) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of <5000. \$56,850.00 has previously been approved for construction. Additional funds are needed for the upgrade or installation of ADA ramps.	\$37,300.00 Cost \$29,840.00 Fed. \$7,460.00 State

Division 7

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Guilford Co. C-5555E EXEMPT	45540.2.6, CMS-1546(021) Construct sidewalks at SR 1546 (College Road) and SR 2179 (New Garden Road). Funds are needed for full right of way and utilities.	\$145,369.00 Cost \$116,295.00 Fed. \$29,074.00 Local
	Urban	
Alamance Co. U-6015 DIVISION	47160.1.1, STBG-0701(036) Upgrade various Burlington-Graham Signal Systems. Funds are needed for preliminary engineering.	\$2,200,000.00 Cost \$1,629,760.00 Fed. \$388,080.00 State \$182,160.00 Local
	Bridge	
Rockingham Co. B-4964 DIVISION	40242.3.1, BRSTP-2600(001) Replace Bridge #85 over Norfolk Southern Railroad on SR 2600 (Mizpah Church Road). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published June 6, 2017.	\$1,700,000.00 Cost \$1,360,000.00 Fed. \$340,000.00 State
	Safety	
Guilford Co. SS-4907BZ DIVISION	47454.1.1, HSIP-1113(012) SR 1113 (Kivett Road) at SR 1129 (Groometown Road). Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State

Division 7 (Continued)

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Guilford Co. SS-4907CA REGIONAL	47455.1.1, HSIP-0070(211) US 70 (Burlington Road) at SR 4760 (Golf House Road West) east of Sedalia. Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State
Rockingham Co. W-5707G REGIONAL	44853.1.7, HSIP-0158(067) US 158 at SR 2351 (Witty Road) west of Reidsville. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
	Rural	
Alamance Co. R-5787A DIVISION	44917.3.2, TAP-0708(083) ADA (Americans with Disabilities Act) Curb Ramps at various locations (Divisionwide) with a population of <5000. \$317,000.00 has previously been approved for construction. Additional funds are needed to install or upgrade ADA Ramps.	\$143,000.00 Cost \$114,400.00 Fed. \$28,600.00 State
Alamance Co. R-5787B DIVISION	44917.3.3, TAP-0708(084) ADA (Americans with Disabilities Act) Curb Ramps at various locations (District 1) with a population of >5000. \$303,340.00 has previously been approved for construction. Additional funds are needed to install or upgrade ADA Ramps.	\$619,000.00 Cost \$495,200.00 Fed. \$123,800.00 State
Alamance Co. R-5787C DIVISION	44917.3.4, TAP-0708(085) ADA (Americans with Disabilities Act) Curb Ramps at various locations (District 2) with a population of >5000. \$261,000.00 has previously been approved for construction. Additional funds are needed to install or upgrade ADA Ramps.	\$210,000.00 Cost \$168,000.00 Fed. \$42,000.00 State

Division 7 (Continued)

Rural

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Alamance Co. R-5787D DIVISION	44917.3.5, TAP-0708(086) ADA (Americans with Disabilities Act) Curb Ramps at various locations (District 3) with a population of >5000. \$244,076.00 has previously been approved for construction. Additional funds are needed to install or upgrade ADA Ramps.	\$390,000.00 Cost \$312,000.00 Fed. \$78,000.00 State
	Bicycle and Pedestrian	
Greensboro/ Guilford Co. EL-5101DM DIVISION	41823.3.20, STPDA-0708(043) Holts Chapel Road / Lowdermilk Street Sidewalk. Construction funds are needed for roadway upgrade design.	\$3,500,000.00 Cost \$2,800,000.00 Fed. \$700,000.00 Local
Orange Co. EB-5721 DIVISION	50417.1.1, TAP-0708(107) Orange County Bicycle Route 1 from Cleland Drive to Willow Drive in Chapel Hill. Funds are needed for preliminary engineering.	\$89,000.00 Cost \$71,200.00 Fed. \$17,800.00 Local

Division 8

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Hoke Co. W-5708A REGIONAL	44854.1.1, HSIP-0015(055) US 15 / 501 at SR 1225 (Ashemont Road). \$195,000.00 has previously been approved for preliminary engineering. Additional funds are requested to complete design work.	' '	ost ed. ate
Moore Co. W-5601FH REGIONAL	50138.3.165, HSIP-0005(803) NC 5 from SR 1103 (Sand Pit Road) to just past Habitat For Humanity. Funds are needed for construction for safety improvements.	\$384,000.00 Cc \$345,600.00 Fe \$38,400.00 Sta	
Moore Co. W-5601FI REGIONAL	50138.3.166, HSIP-0005(804) NC 5 at SR 1115 (Linden Road). Funds are needed for construction for safety improvements.	' '	ost ed. ate
Richmond Co. SS-4908BO REGIONAL	47456.1.1, HSIP-0074(204) US 74 Business at SR 1665 (Gene Burrel Drive) and US 74 Business at Raleigh Street. Funds are needed for preliminary engineering.	\$3,500.00 Co \$3,150.00 Fe \$350.00 Sta	

Division 8 (Continued)

Rural

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Divisionwide R-5788D DIVISION	44918.3.5, TAP-0801(016) ADA (Americans with Disabilities Act) Ramps at various locations with a population >5000. Funds are needed for construction for upgrade or installation of ADA ramps.	\$440,305.00 Cost \$352,244.00 Fed. \$88,061.00 State

Division 9

Congestion Mitigation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Salisbury/ Rowan Co. C-4908E EXEMPT	44008.3.9, CMS-0914(020) Sidewalks along Bringle Ferry Road from Long Street to Newsome Road. Construction funds are needed for sidewalks.	\$298,650.00 Cost \$238,920.00 Fed. \$59,730.00 Local	
Safety			
Lexington/ Davidson Co. SS-4909CA REGIONAL	47457.1.1, HSIP-0008(016) NC 8 (Cotton Grove Road) at SR 1266 (Owens Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State	

Division 10

Interstate

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Mecklenburg Co. I-5714 STATEWIDE	50127.2.1, NHPP-077-1(219)23 I-77 and SR 2136 (Gilead Road) interchange. Funds are needed for full right of way and utilities.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State	
	Congestion Mitigation		
Mecklenburg Co. C-5537 EXEMPT	51007.3.1, CMS-1003(119) Barton Creek Greenway connecting Mallard Creek Greenway north of Tryon Street to JW Clay Boulevard. Funds are needed for construction for a greenway.	\$909,600.00 Cost \$727,680.00 Fed. \$181,920.00 Local	
	Urban		
Indian Trail/ Union Co. U-5987 DIVISION	45966.1.1, STBGDA-1001(078) Unionville-Indian Trail Road and Sardis Road. Funds are needed for preliminary engineering.	\$30,000.00 Cost \$22,500.00 Fed. \$7,500.00 Local	
Bridge			
Cabarrus Co. B-5793 DIVISION	45747.2.1, BRZ-2443(001) Replace Bridge #201 over Little Buffalo Creek on SR 2443. Funds are needed for full right of way and utilities.	\$110,000.00 Cost \$88,000.00 Fed. \$22,000.00 State	

Division 10 (Continued)

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Union Co. B-5801 DIVISION	45755.2.1, BRZ-2166(001) Replace Bridge #163 over Pole Cat Creek on SR 2166. Funds are needed for full right of way and utilities.	\$175,000.00 Cost \$140,000.00 Fed. \$35,000.00 State
	Safety	
Cabarrus Co. SS-4910CY DIVISION	47461.1.1, HSIP-1431(003) SR 1431 (Weddington Road) from approximately Bennington Drive to Lexington Drive in Concord. Funds are needed for preliminary engineering.	\$15,000.00 Cost \$13,500.00 Fed. \$1,500.00 State
Cabarrus Co. W-5601IM REGIONAL	50138.3.248, HSIP-0073(047) NC 73 and SR 1602 (Jim Johnson Road). Construction funds are needed for safety improvements.	\$400,000.00 Cost \$360,000.00 Fed. \$40,000.00 State
Cabarrus Co. W-5710M REGIONAL	44856.3.13, HSIP-0003(103) NC 3 from SR 2635 (Old Airport / Union Street) to NC 73 (Corban Street). Construction funds are needed for safety improvements.	\$135,000.00 Cost \$121,500.00 Fed. \$13,500.00 State

Division 10 (Continued)

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Cabarrus Co. W-5710N REGIONAL	44856.3.14, HSIP-0049(037) NC 49 from SR 2421 (North Drive) in Cabarrus County through Stanly County to the Rowan County Line. Construction funds are needed for safety improvements.	\$450,000.00 \$405,000.00 \$45,000.00	Cost Fed. State
Charlotte/ Mecklenburg Co. SS-4910CZ DIVISION	47462.1.1, HSIP-2620(001) SR 2620 (Reagan Drive) and Tom Hunter Road in Charlotte. Funds are needed for preliminary engineering.	\$5,000.00 \$4,500.00 \$500.00	
Mecklenburg Co. W-5601AD DIVISION	50138.3.31, HSIP-3128(002) SR 3128 (Lawyers Road) at SR 3135 (Lebanon / Wilson Grove Road) in Mint Hill. \$530,000.00 has previously been approved for construction. Additional funds are needed for concrete islands and left turn lanes.	\$50,000.00 \$45,000.00 \$5,000.00	Cost Fed. State
Stanly Co. W-5601IN REGIONAL	50138.2.249, HSIP-0024(079) NC 24 / 27 / 73 from Spaulding Street to SR 1783 (Henson Street). Funds are needed for full right of way and utilities.	\$60,000.00 \$54,000.00 \$6,000.00	Cost Fed. State

Division 10 (Continued)

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Union Co. SS-4910CV DIVISION	47458.1.1, HSIP-1367(005) SR 1367 (Unionville-Indian Trail Road) at the eastern intersection of SR 1508 (Poplin Road). Funds are needed for preliminary engineering.	\$10,000.00 \$9,000.00 \$1,000.00	Fed.
Union Co. SS-4910CX DIVISION	47460.1.1, HSIP-1627(017) SR 1627 (New Salem Road) and SR 1631 (Lawyers Road). Funds are needed for preliminary engineering.	\$25,000.00 \$22,500.00 \$2,500.00	Fed.

Division 11

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Surry Co. SS-4911AX REGIONAL	47464.1.1, HSIP-0601(026) US 601 at SR 2221 (Rockford Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Watauga Co. SS-4911AW DIVISION	47463.1.1, HSIP-1163(013) SR 1163 at Stadium Drive. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

Division 12

Surface Transportation

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost	
Iredell Co. R-4436LE STATEWIDE	34625.2.71, STP-1229(022) I-77 median at the crossing of Patterson Creek in Iredell County. Funds are needed for construction for two (2) stormwater BMP's (Best Management Practice), a bio-filtration conveyance and a dry detention basin.	' '	ost ed. ate
	Safety		
Conover/ Catawba Co. SS-4912CC REGIONAL	47467.1.1, HSIP-0070(212) US 70 / US 321 Business at SR 1163 (Boundary Street) in Conover. Funds are needed for preliminary engineering.	\$7,000.00 Co \$6,300.00 Fe \$700.00 Sta	
Gaston Co. SS-4912CD REGIONAL	47468.1.1, HSIP-0029(067) US 29 / US 74 / NC 274 Franklin Boulevard at US 321 southbound Couplet Chester Street. Funds are needed for preliminary engineering.	' '	ost ed. ate
Gastonia/ Gaston Co. SS-4912CE REGIONAL	47470.1.1, HSIP-0274(009) NC 274 at NC 275 / SR 1312 (Oates Road). Funds are needed for preliminary engineering.	¥-,	ost ed. ate

Division 12 (Continued)

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Gastonia/ Gaston Co. SS-4912CG DIVISION	47473.1.1, HSIP-2200(003) SR 2200 (Cox Road) at Aberdeen Boulevard. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State
Gaston Co. W-5601R REGIONAL	50138.3.19, HSIP-0274(008) NC 274 from SR 1443 (Dameron Road) to SR 1405 (Ramseur Road). Funds are needed for construction for safety improvements.	\$66,000.00 Cost \$59,400.00 Fed. \$6,600.00 State
Lincoln Co. W-5601Q REGIONAL	50138.2.18, HSIP-0016(060) NC 16 Business at SR 1394 (North Pilot Knob Road) and SR 1393 (Hagers Ferry Road) at SR 1394 (North Pilot Knob Road). Funds are needed for full right of way and utilities.	\$600,000.00 Cost \$540,000.00 Fed. \$60,000.00 State
	Rural	
Statewide R-5792A DIVISION	44922.3.2, TAP-1229(018) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of >5000. \$186,006.00 has previously been approved for construction. Additional funds are needed for construction to install or upgrade ADA Ramps.	\$250,000.00 Cost \$200,000.00 Fed. \$50,000.00 State
Statewide R-5792A DIVISION	44922.3.3, TAP-1229(019) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of >5000. \$140,859.00 has previously been approved for construction. Additional funds are needed for construction to install or upgrade ADA Ramps.	\$250,000.00 Cost \$200,000.00 Fed. \$50,000.00 State

Division 12 (Continued)

Rural

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Statewide R-5792B DIVISION	44922.3.4, TAP-1229(020) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of <5000. \$141,277.00 has previously been approved for construction. Additional funds are needed for construction to install or upgrade ADA Ramps.	\$250,000.00 Cost \$200,000.00 Fed. \$50,000.00 State
Statewide R-5792B DIVISION	44922.3.5, TAP-1229(021) ADA (Americans with Disabilities Act) Curb Ramps at various locations with a population of >5000. \$194,827.00 has previously been approved for construction. Additional funds are needed for construction to install or upgrade ADA Ramps.	\$250,000.00 Cost \$200,000.00 Fed. \$50,000.00 State
	Bicycle and Pedestrian	
Gaston Co. EB-5534 DIVISION	50049.3.1, STPEB-1227(012) Catawba Creek Greenway extension from Ferguson Park to Downtown. Funds are needed for construction for a greenway.	\$410,000.00 Cost \$328,000.00 Fed. \$82,000.00 State

Division 13

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Asheville/ Buncombe Co. SS-4913CN REGIONAL	47340.1.1, HSIP-074A(007) US 74A / SR 3238 (Fairview Road) from Bleacher Boulevard to NC 81 in Asheville. Funds are needed for preliminary engineering.	\$25,000.00 Cost \$22,500.00 Fed. \$2,500.00 State
Buncombe Co. SS-4913CP DIVISION	47488.1.1, HSIP-2032(002) SR 2032 (New Haw Creek Road) from SR 2236 (New Haw Creek Road) to the Antioch Christian Church in Asheville. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Buncombe Co. SS-4913CR DIVISION	47475.1.1, HSIP-1477(002) SR 1477 (Riverside Drive) at SR 1348 (Pearson Bridge Road). Funds are needed for preliminary engineering.	\$7,000.00 Cost \$6,300.00 Fed. \$700.00 State
Burke Co. W-5713M DIVISION	44861.3.13, HSIP-1922(003) SR 1922 (Enola Road) from SR 1940 to SR 1922 near Morganton. Funds are needed for construction for safety improvements.	\$490,000.00 Cost \$441,000.00 Fed. \$49,000.00 State
Mitchell Co. SS-4913CQ REGIONAL	47474.1.1, HSIP-0197(011) NC 197 from SR 1312 (Old Brummett Creek) to SR 1349 (Pigeon Roost Road) near Bakersville. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State

Division 14

Bridge

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Macon Co. B-4775 DIVISION	38546.2.1, BRZ-1309(008) Replace Bridge #17 over Wayah Creek on SR 1309. Funds are needed for full right of way and utilities.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State
	Safety	
Haywood Co. W-5714C DIVISION	44862.1.3, HSIP-1116(013) SR 1116 (Edwards Cove Road) from SR 1111 to US 276 near Waynesville. Funds are needed for preliminary engineering.	\$8,000.00 Cost \$7,200.00 Fed. \$800.00 State
Henderson Co. SS-4914DE DIVISION	47476.1.1, HSIP-1127(017) SR 1127 (Crab Creek Road) from Transylvania County to SR 1123 near Hendersonville. Funds are needed for preliminary engineering.	\$4,000.00 Cost \$3,600.00 Fed. \$400.00 State
Henderson Co. SS-4914DF DIVISION	47477.1.1, HSIP-1328(010) SR 1328 (Turnpike Road) / SR 1322 (Holly Springs Road) from SR 1325 (Turnpike Road) to SR 1316 (Ray Hill Road). Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,500.00 Fed. \$500.00 State

Division 14 (Continued)

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Henderson Co. SS-4914DG REGIONAL	47478.1.1, HSIP-0064(192) Various intersections along US 64 and US 25 Business. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Henderson Co. SS-4914DH REGIONAL	47480.1.1, HSIP-0176(013) US 176 (Spartanburg Highway) from SR 1764 (S. Grove Street) S. Charleston Lane to SR 1722 (Old Spartanburg Road) in Hendersonville. Funds are needed for preliminary engineering.	\$15,000.00 Cost \$13,500.00 Fed. \$1,500.00 State
Swain Co. W-5714D DIVISION	44862.1.4, HSIP-1311(018) SR 1311 (Buckner Branch Road) from SR 1312 (Mineral Springs Road) to SR 1320 (Old US 19) near Bryson City. Funds are needed for preliminary engineering.	\$8,000.00 Cost \$7,200.00 Fed. \$800.00 State
Transylvania Co. SS-4914DI REGIONAL	47481.1.1, HSIP-0064(193) US 64 (Rosman Highway) from 0.18 mile northeast of SR 1160 (Tom Rogers Road) to SR 1208 (Glazener Road) near Brevard. Funds are needed for preliminary engineering.	\$4,000.00 Cost \$3,600.00 Fed. \$400.00 State

Division 14 (Continued)

Bicycle and Pedestrian

Town/ County/PROJ CATEGORY	Project Description	Estimated Cost
Polk Co.	50436.3.1, TAP-1137(010)	\$150,000.00 Cost
EB-5759	SR 1137 (Peniel Road) from SR 1553 (Walker Road) to	\$120,000.00 Fed.
DIVISION	Wheeler Street in Columbus. Construction funds are needed for construction of sidewalk.	\$30,000.00 Local

ITEM M SUMMARY - 121 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$40,286,252.00

HIGHWAY PROGRAM

STIP MODIFICATIONS

DIVISION 3	
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U-5319	SR 1308 (GUM BRANCH ROAD), SR 1470 (WESTERN	RIGHT-OF-WAY	FY 2017 -	\$1,865,000	(STBG)
ONSLOW	BOULEVARD) IN JACKSONVILLE. IMPROVE	CONSTRUCTION	FY 2020 -	\$2,950,000	(STBG)
PROJ.CATEGORY	INTERSECTION.			\$4,815,000	

TRANSITION ACCELERATE RIGHT-OF-WAY FROM FY 18 TO FY 17.

DIVISION 9

* U-2579C	FUTURE I-74, WINSTON-SALEM NORTHERN BELTWAY,	CONSTRUCTION	FY 2018 -	\$15,375,000	(NHP)
FORSYTH	EASTERN SECTION, US 158 TO US 311		FY 2019 -	\$15,375,000	(NHP)
PROJ.CATEGORY	GARVEE FUNDING REMOVED FROM CONSTRUCTION		FY 2020 -	\$15,375,000	(NHP)
REGIONAL	PHASE; TRADITIONAL FEDERAL FUNDING TO BE		FY 2021 -	\$15,375,000	(NHP)
	USED (CONSTRUCTION SCHEDULE REMAINS THE	GARVEE RIGHT-O	FY 2018 -	\$558,000	(NHP)
	SAME).		FY 2019 -	\$558,000	(NHP)
			FY 2020 -	\$558,000	(NHP)
			FY 2021 -	\$558,000	(NHP)
			FY 2022 -	\$558,000	(NHP)
			FY 2023 -	\$558,000	(NHP)
			FY 2024 -	\$558,000	(NHP)
			FY 2025 -	\$558,000	(NHP)
			FY 2026 -	\$558,000	(NHP)
			FY 2027 -	\$558,000	(NHP)
			POST YR-	\$1,674,000	(NHP)
				\$68,754,000	

DIVISION 10

SDA)
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* P-5705BB	CHARLOTTE, CHARLOTTE GATEWAY STATION -	CONSTRUCTION	FY 2018 -	\$5,000,000	(DP)
MECKLENBURG	PLATFORM AND CANOPY		FY 2018 -	\$4,800,000	(STBGDA)
PROJ.CATEGORY	BREAK PROJECT P-5705 B INTO SEGMENTS BA, BB,		FY 2018 -	\$1,200,000	(S(M))
REGIONAL	BC FOR CONSTRUCTION.			\$11,000,000	

^{*} INDICATES FEDERAL AMENDMENT

HIGHWAY PROGRAM

STIP MODIFICATIONS

* P-5705BC
MECKLENBURG
PROJ.CATEGORY

DIVISION 10

CHARLOTTE, CHARLOTTE GATEWAY STATION -STATION AND PASSENGER SERVICE RELOCATION BREAK PROJECT P-5705 B INTO SEGMENTS BA, BB, CONSTRUCTION FY 2019 -\$8,200,000 (STBGDA) FY 2019 - \$2,050,000 (S(M))

\$10,250,000

REGIONAL

BC FOR CONSTRUCTION.

U-5112 STALLINGS, SR 1364 (PLEASANT PLAINS ROAD) AT SR

CONSTRUCTION FY 2018 -\$500,000 (HSIP) 1357 (POTTERS ROAD) IN STALLINGS. CONSTRUCT FY 2018 -\$1,600,000 (STBGDA)

UNION PROJ.CATEGORY **TRANSITION**

INTERSECTION IMPROVEMENTS INCLUDING LEFT TURN LANES AND MODIFICATION OF TRAFFIC SIGNAL.

FY 2018 -\$400,000 (L)

\$2,500,000

TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY

CONSTRUCTION FROM FY 17 TO FY 18

DIVISION 12

EXEMPT

* C-5623 CRAMER MOUNTAIN ROAD, BALTIMORE DRIVE TO SOUTH NEW HOPE ROAD. CONSTRUCT SIDEWALK. GASTON PROJ.CATEGORY

TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17 AND CONSTRUCTION FROM FY 17 TO FY 18 AT

REQUEST OF MUNICIPALITY

RIGHT-OF-WAY FY 2017 -\$5,000 (CMAQ)

FY 2017 -\$2,000 (L) CONSTRUCTION FY 2018 -\$360,000 (CMAQ)

FY 2018 -\$110,000 (L)

\$477,000

DIVISION 14

PROJ.CATEGORY

DIVISION

PENIEL ROAD, WALKER ROAD TO WHEELER ROAD. EB-5759 POLK CONSTRUCT SIDEWALK.

TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18

AND CONSTRUCTION FROM FY 17 TO FY 18

RIGHT-OF-WAY FY 2018 -\$60,000 (TAP) FY 2018 -\$15,000 (L)

CONSTRUCTION FY 2018 -\$120,000 (TAP)

FY 2018 -\$30,000 (L) \$225,000

ITEM N SUMMARY

MODIFICATIONS 8 PROJECTS

SUMMARY: There are a total of 25 agreements for approval by the Board of Transportation.

Division 1

North Carolina Department of Environmental Quality Dare (NCDEQ) Dare County B-2900 32635.3.5

This Project consists of dredging the navigation channel at Oregon Inlet to remediate the accumulated sand to achieve 12' depth west of construction adjacent to bents 27 to 32 in accordance with Navigation Aids 19 to 21A, at the Herbert C. Bonner Bridge. NCDEQ, at the request of the Department, has agreed to have the required dredging performed by the US Army Corps of Engineers subject to reimbursement by the Department. The Department will participate in the cost of dredging in the amount of \$300,000.

Division 2

City of Greenville County of Pitt U-5606 45834.1 45834.3 This Project consists of improvements on SR 1598 (Dickinson Avenue) from NC 11 to SR 1610 (Reade Circle). The Department shall prepare the environmental and/or planning document, plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, betterments to be included will be the streetscape design, lighting design, and construction from 14th Street to Columbia Avenue and 9th Street to Reade Circle. The Municipality shall reimburse the Department 100% of the actual cost of the betterments. The estimated reimbursement is \$1,623,090.

Town of Beaufort Carteret County M-0492V 44527.1.23

This Project consists of the development of a Comprehensive Bicycle and Pedestrian Plan for the Town of Beaufort. The Department will be responsible for all phases of the Project. The Municipality shall provide a local match of \$4,000 for the \$36,000 in State and SPR funding. This Agreement supersedes the prior board approval on May 4, 2017.

Division 3

City of Wilmington New Hanover County U-4751 40191.3.2 This Project consists of construction on SR 1409 (Military Cutoff Road Extension) from SR 1409 to US 17. The Department shall prepare plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipallyowned utilities. At the request of the Municipality, betterments to be included will be construction of sidewalk along Military Cutoff Road Extension from SR 1409 to US 17. The Municipality shall reimburse the Department 50% of the actual cost of the betterments. The estimated reimbursement is \$60,471.

Division 3, cont.

County of New Hanover U-4751 40191.3.2 This Project with the County consists of construction on SR 1409 (Military Cutoff Road Extension) from SR 1409 to US 17. The Department shall prepare the Project plans and specifications, construct the Project, and acquire any needed right of way. The County shall relocate and adjust any utilities. At the request of the County, betterments to be included will be construction of sidewalk and a Multi-Use Pathway along Military Cutoff Road Extension from SR 1409 to US 17. The County shall reimburse the Department 40% of the actual cost of the betterments. The estimated reimbursement is \$250,445.

Division 5

Town of Apex Wake County U-5118AE 47379.1.30 47379.2.30 47379.3.30 This Project consists of improvements at the intersections of NC 55 and Olive Chapel Road on Apex Peakway. The Municipality is responsible for all phases of the work. This Supplemental Agreement is to increase funding for the Project. The Department agrees to reimburse the Municipality an additional \$302,500 of STP-DA funds. The Municipality will provide an additional \$302,500 (50%) as their local match and all costs which exceed the total available funding.

NC State University Wake County EA-5100PA 41821.3.35 This Project consists of construction of the Upper Walnut Creek Greenway Connector Trail and the Middle Walnut Creek Greenway Connector Trail via a tunnel under Lake Wheeler Road. The Municipality is responsible for all phases of the work. This Supplemental Agreement is to increase funding for the Project. The Department agrees to reimburse the Agency an additional \$4,500 of Transportation Enhancement funds. The Agency will provide an additional \$4,500 (50%) as their local match and all costs which exceed the total available funding.

City of Durham Durham County C-5572 46401.3.F1 This Project consists of construction of Phase II of the Northern Section of the North/South Greenway Trail from Westover Park to Broad Street near Stadium Drive in Durham. This Supplemental Agreement is to increase funding participation with STBG-DA funds. The Department's original participation was \$1,440,240 in CMAQ funds. The Department agrees to reimburse the Municipality an additional \$383,670 in STBG-DA funds. The Municipality's original participation was \$360,060. The Municipality will provide \$95,918 (20%) as their additional local match and all costs which exceed the total available funding.

Division 5, cont.

City of Raleigh Wake County U-5118 OA 42379.3.36 2018CPT.05.19.20921.1 This Project consists of resurfacing, restriping, and signal modifications to implement an addition for bike lanes on Blount Street, Person Street and Hoke Road to Wake Forest Road. This Supplemental Agreement is to apply the State Resurfacing funding for 1 ½" mill and resurface on SR 2026 (Wake Forest Road) from Edenton Street to Capital Blvd, SR 3670 (Blount St) from Edenton Street to Delway Street and SR 2900 (Delway Street) from Blount Street to Wake Forest Road in the amount of \$575,000.

City of Durham Durham County C-5605 I 43725.1.8 43725.3.10 This Project consists of approximately 7 miles of signed and marked neighborhood bike routes in central Durham. The Municipality is responsible for all phases of the work. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$505,498. The Municipality shall provide the 20% non-federal match (\$126,375) and all costs that exceed the total available funding.

Division 6

City of Fayetteville Cumberland County 47429 This Project consists of the installation of a traffic signal and associated intersection improvements at the intersection of Strickland Bridge Road and Fisher Road. The Department shall be responsible for all phases of the Project. The Department shall participate in the actual construction costs of the Project in an amount not to exceed \$475,000 from Contingency funds. The estimated reimbursement from the Municipality is \$75,000. The estimated Project costs are \$550,000. Costs which exceed this amount shall be borne by the Municipality.

CSX Transportation, Inc. (CSXT) Robeson County P-4900 41099.1.S3

This Rail Easement Agreement conveys, from the Department to CSXT, an easement in perpetuity for property owned by the Department. The property will be used by CSXT to construct a new second main line track connection from CSXT's "A Line" (milepost A-240.15) and tying into the "SE Line" (milepost SE-287.66), in the vicinity of the Town of Pembroke.

Division 7

NC A&T State University Guilford County M-0460GA 50084.1.10 This Project is to provide a National Summer Transportation Institute curriculum for high school students in future transportation careers. This Supplemental Agreement is to increase the Department's financial participation in the program. The Department's original participation was \$60,000. The Department agrees to reimburse the University an additional \$7,441.48.

Division 10

Mecklenburg County C-5225B 45441.3.2

City of Concord Cabarrus County EB-5732 51055.1.1 51055.3.1

City of Charlotte Mecklenburg County U-5762 50175.3.1

City of Concord Cabarrus County C-4918A 44018.3.3 This Project consists of the construction of Phase IIB of the Toby Creek Greenway between West Rocky River Road and Blue Rock Road. The County is responsible for all phases of the Project. The Department shall pay 70% of approved eligible costs from CMAQ funds, not to exceed \$840,000. The County will be responsible for providing the 30% (\$360,000) non-federal match for the CMAQ funds authorized and all costs that exceed the total available funding.

This Project consists of the construction of sidewalk on both sides of Bruton Smith Boulevard (SR 2894) from US 29 to Gateway Lane in Concord. The Department is responsible for all phases of the project. The estimated cost of the project is \$6,000,000. The Department shall participate in 80% costs in an amount not to exceed \$4,800,000 from TAP funds. The Municipality shall provide the 20% non-federal match in the amount of \$1,200,000 and all costs that exceed the total available funding.

This Project consists of modifications and construction of additional lanes at the intersection of Steele Creek Road (NC 160) and Hamilton Road (SR 1106) in Charlotte. The Municipality will be responsible for removing an existing traffic signal and installing a new traffic signal as part of the Project. The Department shall participate in the actual costs of the Municipality's design and construction costs in an amount not to exceed \$84,000.

This Project consists of the construction of turn lanes at Poplar Tent Road (SR 1934) and US 29 in Concord. This Supplemental Agreement increases funding and extends the completion date of the project. The Department has agreed to reimburse the Municipality eighty percent (80%) of eligible expenses up to the maximum amount of \$1,442,586 in Congestion Mitigation and Air Quality (CMAQ) funding. The Municipality will provide \$360,646 (20%) as their local match. Once the CMAQ funds and the local match have been exhausted, the Department shall pay the remaining expenses up to \$1,000,000 of State funds. The Municipality shall be responsible for all costs that exceed the total estimated funding of \$2,803,232. The completion date for the Project will be extended to December 31, 2018 in lieu of December 31, 2017.

Division 10, con't.

City of Charlotte Mecklenburg County C-5613BA – 43735.3.5 C-5613BB – 43735.3.7 C-5613BD – 43735.3.8 C-5613BE – 43735.3.9 This Project consists of the installation of fiber cable, communication devices and traffic management cameras including full integration of devices and/or cameras within the Charlotte Traffic Management Center (CTMC) on Harris Boulevard; Wilkinson Boulevard, Steele Creek Road Arrowood Road, and Mallard Creek Road. The Municipality is responsible for all phases of the Project. The Department shall pay 80% of approved eligible costs from CMAQ funds, not to exceed \$1,580,000. The Municipality will be responsible for providing the 20% (\$420,000) non-federal match for the CMAQ funds authorized and all costs that exceed the total available funding.

Town of Matthews Town of Mint Hill Mecklenburg County U-5115 42377.3.1 This Project consists of the construction of a roundabout at the intersection of Matthews-Mint Hill Road (NC 51) and Idlewild Road (SR 3143/SR 3174) in Mecklenburg County. This Supplemental Agreement is to increase funding for the Project. The Department's original allocation was \$1,300,000 in STP-DA funding. The Department shall allocate an additional \$460,000 (80%) for a total of \$1,760,000 in STP-DA funding. Matthews and Mint Hill's original participation was \$325,000. The Municipalities will each provide an additional 10% (\$57,500) for a total of \$440,000 as their local match. The Department shall be responsible for costs that exceed the total available funding.

City of Concord Cabarrus County U-5806 44378.3.1 This Project consists of intersection improvements at SR 2894 (Concord Mills Boulevard) and Entrance No. 1 Kings Grant Pavilion. The Department shall prepare the planning document, Project plans and specifications, acquire any needed right of way, relocate and adjust utilities and construct the Project. The Municipality shall participate in 20% of the actual costs of the Project. The estimated cost of the Project is \$9,900,000. The estimated cost to the Municipality is \$1,980,000. This agenda item supersedes the item that was approved by the BOT on June 1, 2017.

Division 12

City of Hickory Catawba County EB-5750 50427.3.1 This Project consists of construction of a multi-use path, lighting, landscaping, and interpretive features along Main Street from 9th Street NW to 7th Avenue NE. The Department reserves the right to determine the items that are eligible for participation as the project is designed, in consultation with FHWA. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of approved eligible costs from STBGDA funds allocation, in an amount not to exceed \$3,600,000 and 80% of approved eligible costs from TAP funds allocation, in an amount not to exceed \$7,680,000 for a total maximum reimbursement of \$11,280,000. The Municipality will be responsible for providing the 20% (\$2,820,000) non-federal match for the federal funds authorized and all costs that exceed the total available funding.

County of Alexander Alexander County 80000.3.1.12 This Rail Agreement includes the approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds to assist the County with the construction of approximately 2,000 feet of track off the Alexander Railroad mainline to serve Borealis Compounds in Taylorsville. The County will perform the work. The Department will participate in the cost of the project up to \$175,000. The total estimated cost of the project is \$500,000.

City of Gastonia Gaston County C-4934 44034.1.1 44034.2.1 44034.3.1 This Project consists of traffic lane widening from a fourlane section to a five-lane section of New Hope Road (NC 279) from Burtonwood Drive to Garrison Boulevard (SR 2466). This Supplemental Agreement allows an additional \$425,000 in CMAQ funding to be used towards the costs of construction and inspection, with the Municipality providing the non-federal match of \$106,250 and all costs that exceed the total available funding of \$4,808,131.

Division 14

Town of Waynesville Haywood County EB-5859 47315.1.1 47315.3.1 This Project consists of pedestrian improvements along SR 1173 (Plott Creek Road/Hazelwood Avenue) from the Richland Creek Bridge to Will Hyatt Road. The Department is responsible for all phases of the project. The Municipality shall participate in 20% (\$25,000) of the project costs in the and all costs that exceed the total estimated cost of \$125,000.

Division 14, con't.

Graham County U-5866 46390.3.1 This Project consists of a new route from US 129 to Robbinsville High School/Middle School Campus including sidewalk and a bridge over the Cheoah River. The Department shall prepare the environmental and/or planning document, plans and specifications, construct the project, and acquire any needed right of way. The County shall relocate and adjust any utilities. At the request of the County, the Department shall include in its contract the construction of sidewalk on or along US 129 and on the new route. The County shall reimburse the Department 20% of the actual cost of the work. The estimated reimbursement is \$11,224.

SUMMARY: There are a total of 28 agreements for informational purposes only.

Division 3

S and F1 Properties, LLC New Hanover County 36249.3805 This Project consists of the installation of a right turn deceleration lane for the Fasul Storage Facility. The Department shall be responsible for all phases of the Project. The Developer will reimburse \$29,707.50 to the Department for the work.

County of New Hanover

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

Town of Sunset Beach Brunswick County 2018CPT.03.03.10101 This Project consists of the widening to construct bike lanes on NC 170 Business from Queen Anne Road to the Roundabout at the intersection of SR 1172 (Sunset Boulevard S.), Sunset Boulevard N. and Shoreline Drive E. The Department shall be responsible for all phases of the Project. The Municipality shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement is \$289,188.

Division 4

City of Rocky Mount Nash County 80040 This Project consists of the construction of sidewalk along Hazelwood Drive and W. Raleigh Boulevard (NC 97) with a pedestrian refuge island on W. Raleigh Boulevard (NC 97) at Ravenwood Drive in the City of Rocky Mount. The Municipality shall be responsible for all phases of the Project. The Department shall participate in actual costs in an amount not to exceed \$70,000. Costs which exceed this amount shall be borne by the Municipality.

Town of Eureka Wayne County 44914.3.2

This Project consists of the construction of ADA acceptable ramps on State Routes NC 222 and SR 1058/SR 1520 and NC 222 and SR 1526. The Department is responsible for all phases of the Project. The Municipality shall assume maintenance upon Project completion.

Division 4, con't.

Town of Nashville Nash County 44914.3.4 This Project consists of the construction of ADA acceptable ramps on State Routes NC 58 and Green Street, Washington Street and Lumber Street and NC 58 and Walking Trail. The Department is responsible for all phases of the Project. The Municipality shall assume maintenance upon Project completion.

Town of Spring Hope Nash County 44914.3.8 This Project consists of the construction of ADA acceptable ramps on State Routes at various locations in the Municipality. The Department is responsible for all phases of the Project. The Municipality shall assume maintenance upon Project completion.

Town of Roanoke Rapids Halifax County 44914.3.5 This Project consists of the construction of ADA acceptable ramps on State Routes at various locations in the Municipality. The Department is responsible for all phases of the Project. The Municipality shall assume maintenance upon Project completion.

E & F Properties Inc. Johnston County U-3334B 34929.3.3 This Project consists of the addition of a left turn lane, bulb out and signal modification to service parcel 20 on SR 1923 (Booker Dairy Road extension) from SR 1003 (Buffalo Road) to US 301 (Brightleaf Boulevard). The Developer shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement is \$130,000.

Division 5

City of Durham Durham County SR-5001C 40924.3.4 This Project consists of construction of sidewalk to serve Fayetteville Street Elementary School between Cornwallis Road and Homeland Avenue in Durham. This Supplemental Agreement is extend the completion date for the Project to 12/31/2018 in lieu of 4/15/2016.

CalAtlantic Homes Wake County 36249.3804 This Project consists of the traffic signal installation on SW Cary Parkway at West High Street. 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 all work performed by the Department. The estimated cost is \$7,500.

Division 5, con't.

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

Town of Zebulon Wake County

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

Martin Marietta Materials, Inc. Wake County 36249.3811

This Project consists of modifying traffic signals at the intersections of Westgate Drive and Westgate Park Drive and Westgate Drive and Ebenezer Church Road. 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 all work performed by the Department. The estimated reimbursement is \$5,000.

Division 6

City of Fayetteville Cumberland County W-5514(L) 44102.3.1 This Project consists of the construction of median and revised traffic signals at signalized intersections from SR 1007 (Owen Drive) from Walter Reid Road to US 301/Business 95. 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% (\$84,755) for the irrigation system installation cost and shall assume maintenance of the plantings after one year.

City of Fayetteville Cumberland County W-5206AM(L) 45336.3.42 This Project consists of landscaping from NC 24/NC 87 from Winston Avenue to Martin Luther King Westbound Ramps; and NC 24/NC 210 (Rowan Street) between Ray Avenue and Ramsey Street. 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% for the irrigation system installation. The estimated reimbursement is \$45,950.

Division 6, con't.

City of Fayetteville Cumberland County W-5601AG(L) 50138.3.250 This Project consists of the construction of median with directional crossovers/bulb out (for U-turns), mid-block pedestrian crosswalks with refuge islands and flashing beacons, and sidewalk, from NC 53 (Cedar Creek Road) from west of I-95 to east of I-95. 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% for the irrigation system installation. The estimated reimbursement is \$28,020.

Town of Hope Mills Cumberland County

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

North Carolina Department of Natural and Cultural Resources, Division of Parks and Recreation Harnett County 36249.3806 This Project consists of the replacement of a 36 inch pipe culvert in Raven Rock State Park. The Department shall be responsible for all phases of the Project. The Agency shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement is \$11,000.

Division 8

Village of Pinehurst Moore County 36249.3810 This Project consists of furnishing and installing emergency vehicle preemption signals at the intersection of NC 5 and Monticello Drive, NC 5 and Morganton Road, NC 211 and Page Road, and NC 211 and Murdocksville Road in the Village of Pinehurst. The Municipality shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated reimbursement is \$32,000.

Division 9

City of Salisbury Rowan County C-4908E 44008.3.9 This Project consists of the construction of sidewalks on Bringle Ferry Road from Long Street to Newsome Road in Rowan County. This Supplemental Agreement is to extend the completion date of the Project to three years from the date of construction funding authorization, in lieu of 8/31/2015.

Division 9, con't.

Town of Mocksville Davie County 36249.3808 This Project consists of upgrading the traffic signal at US 158/Depot Street to a mast arm installation and relocating the traffic signal cabinet. The Municipality will reimburse \$57,500 to the Department for the work.

Village of Bermuda Run Davie County 36249.3812 This Project consists of revising the signal plan for the intersection of US 158-NC 801 due to speed limit change. The Municipality shall reimburse the Department 100% of the actual cost of all work performed by the Department costs. The estimated reimbursement is \$1,000.

Division 10

County of Mecklenburg C-5537 51007.1.1 51007.3.1 This Project consists of constructing approximately a half mile greenway connecting Mallard Creek Greenway north of Tryon Street to JW Clay Boulevard in Mecklenburg County. This Supplemental Agreement is to extend the completion date for the Project to July 31, 2019 in lieu of November 30, 2013.

Town of Waxhaw Union County 36249.3809

This Project consists of the modification of an existing traffic signal at the intersection of Providence Road South (NC 16) and Kensington Drive (SR 1305)/Cuthbertson Road (SR 1321). The Department will review the traffic signal plans and inspect the traffic signal installation. The Municipality shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated reimbursement is \$5,000.

City of Charlotte Mecklenburg County W-5710F 44856.1.6

This Project consists of the installation of a traffic signal at the intersection of Rea Road (SR 3624) and Old Providence Road in Charlotte. The Municipality will design the traffic signal. The Department shall pay the Municipality up to \$5,000 for the traffic signal design work.

Division 13

CIP Construction Company Buncombe County 36249.3598 This Project consists of the installation of a new traffic signal on US 26 (Hendersonville Road) and Ascot Point Circle in Buncombe County. The Developer will be responsible for preparing the project plans and traffic signal design. The Department shall be responsible for the review and inspection of the traffic signal design and for the construction of the Project. The Developer will reimburse the Department \$90,000 for the work.

Division 14

Town of Lake Santeetlah Graham County 36249.3807 This Project consists of an asphalt surface treatment (AST) overlay for 3.3 miles on various streets in the Town. The Municipality shall reimburse the Department 100% of the actual cost of the Department's work. The estimated reimbursement is \$54,205.

NCDOT August 2017 Board of Transportation Agenda Approval of Municipal Street System Changes

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

NCDOT August 2017 Board of Transportation Agenda

No.		Enacted Page No.
1	Preliminary Right of Way Plans	R-1 & R-2
2	Final Right of Way Plans	R-3
3	Revisions of Final Right of Way Plans	R-4
4	Approval of Conveyance of Highway Right of Way Residues	R-5
5	Approval of Conveyance of Surplus Highway Right of Way	R-6
6	Approval of Revision in Control of Access	R-7
7	Approval of Permanent Utility Easement Assignment	R-8
8	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 2)

Beaufort County; I.D. No. B-5618; Project No. 45573.2.1:

Bridge No. 315 over Durham Creek on SR 1949

Beaufort County; I.D. No. B-5620; Project No. 45575.2.1:

Bridge No. 30 over Campbell Creek on NC 33

(Division 3)

Onslow County; I.D. No. U-4906; Project No. 40255.2.2:

Gum Branch Road (SR 1308) widening from West of Mills Field Road (SR 1313) to East of Ramsey Road (SR 1324)

Onslow County; I.D. No. U-5319; Project No. 45433.2.1:

SR 1308 (Gum Branch Road) and SR 1470 (Western Boulevard) in Jacksonville

(Division 4)

Nash County; I.D. No. B-4668; Project No. 45623.2.1:

Bridge No. 103 over a tributary of Turkey Creek on SR 1105 (Old Middlesex Road)

Halifax County; I.D. No. B-4537; Project No. 33753.2.1:

Bridge No. 127 over Jacket Swamp on SR 1002

Preliminary Right of Way Plans (continued)

(Division 4) (continued)

Nash County; I.D. No. B-5669; Project No. 45624.2.1:

Bridge No. 143 over Stoney Creek on SR 1302 (Vick Road)

(Division 5)

Wake County; I.D. No. Y-4805F; Project No. 80000.2.3.4:

Crossing Closure of SR 2513 (Fayetteville Street) (Crossing No. 465 681P, RR MP #220.90) in Knightdale and associated improvements on SR 2233 (Smithfield Road) and SR 5270 (First Avenue)

Durham County; I.D. No. U-5745; Project No. 50166.2.1:

NC 751 (Hope Valley Road) at SR 1183 (University Drive) intersection in Durham

Granville County; I.D. No. B-5677; Project No. 45632.2.1:

Bridge No. 42 over Ledge Creek on SR 1724

(Division 6)

Cumberland County; I.D. No. W-5706B; Project No. 44852.2.2:

US 401 (Ramsey Street) at SR 2523 (Bienville Drive)

(Division 7)

Alamance County; I.D. No. B-5346; Project No. 46060.2.1:

Bridge No. 3 over a creek on SR 1529

Rockingham County; I.D. No. R-5704; Project No. 46376.2.1:

NC 87 at SR 1998 (Wentworth Street) / SR 1001 (Sandy Cross Road)

Orange County; I.D. No. U-5854; Project No. 46382.2.1:

SR 1008 (Mt. Carmel Church Road) at SR 1913 (Bennett Road) in Chapel Hill

Alamance County; I.D. No. U-5752; Project No. 51077.2.1:

US 70 (S. Church Street) at St. Marks Church Road in Burlington

Orange County; I.D. No. U-5846; Project No. 50236.2.1:

SR 1772 (Greensboro Street) at SR 1780 (Estes Drive) in Carrboro

Alamance County; I.D. No. U-5843; Project No. 50233.2.1:

US 70 (Church Street) at SR 1817 (Graham-Hopedale Road) in Burlington

(Division 10)

Stanly County; I.D. No. B-5800; Project No. 45754.2.1:

Bridge No. 160 over Ramsey Branch Road on SR 1253

(Division 13)

Rutherford County; I.D. No. U-5833; Project No. 45754.2.1:

SR 2241 (Oak Street) from SR 2159 (Pine Ridge Road) to US 74

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 4)

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

Grading, drainage, paving and structure on Bridge No. 32 over Hannah Creek on SR 1185 with the right of way indicated upon the final plans for said project.

Project No. 39930.2.2; Edgecombe County; I.D. No. U-4762:

Grading, drainage, paving, widening and signals on SR 1250 (Springfield Road) from US 64 Alternate to SR 1243 (Leggett Road) with the right of way indicated upon the final plans for said project.

(Division 7)

Project No. 40242.2.1; Rockingham County; I.D. No. B-4964:

Grading, drainage, paving and structure on Bridge No. 85 over Norfolk Southern Railroad on SR 2600 (Mizpah Church Road) 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) 9 & 25 as presented at the August 3, 2017 Board of Transportation Meeting.

(Division 7)

Project No. 34900.2.FR4; I.D. No. U-3109A; Alamance County:

Final Right of Way plans approved on the minutes of the May 4, 2017 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 5 & 22 as presented at the August 3, 2017 Board of Transportation Meeting.

(Division 12)

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

Final Right of Way plans approved on the minutes of the May 4, 2017 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 20 – 23 and 35 - 42 as presented at the August 3, 2017 Board of Transportation Meeting.

Approval of conveyance of Highway Right of Way Residues

It is hereby resolved, based upon the recommendation of the Manager of the Right of

Way Unit, that the following highway right of way conveyances are approved:

(Division 8)

Project 8.1520103, Parcel R-0942A 007, US 15/501 North of US 64 Bypass Chatham County

Conveyance of an approximate 0.450-acre, landlocked residue area to Chatham Park Investors LLC for the appraised value of \$1,250.00.

(Division 10)

Project 8.27209, Park Road in Charlotte

Mecklenburg County

Conveyance of an approximate 0.138-acre residue area to the City of Charlotte for the appraised value of \$3,450.00.

Project 8.U671619, Parcel R-2123AC and R-2123AD 105, Charlotte Outer Loop from South of NC 218 to North of NC 51

Mecklenburg County

Conveyance of an approximate 1.022-acre residue area to Steven Douglas Haggard, the highest bidders after public advertisement, for the high bid amount of \$8,000.00.

Project 6.804816, Parcel U-2009A 095, Westside Bypass from South of I-85 to NC 73

Mecklenburg County

Conveyance of an approximate 0.449-acre residue area to Paul Thomas Salisbury and wife, Kimberly Salisbury; the highest bidders after public advertisement, for the high bid amount of \$2,100.00.

(Division 12)

Project 34522.2.FR4, Parcel R-3100B 033, NC 16 North of SR 1801 (Claremont Road) and North of SR 1814 (Caldwell Road)

Catawba County

Conveyance of an approximate 0.481-acre residue area to Betty W. Sherrill as part settlement for the appraised value of \$1,200.00.

(Division 14)

Project 45393.2.2, Parcel R-5207A 046, SR 1006 (Howard Gap Road) from US 64 to Bridge No. 20

Henderson County

Conveyance of an approximate 0.911-acre residue area to Robert Cole Church, the highest bidder after public advertisement, for the high bid amount of \$3,601.00.

Project 38506.2.1, Parcel B-4733 006, Bridge No. 11 over Chatuge Lake on NC 175 Clay County

Conveyance of an approximate 0.210-acre residue area to Kristen Moore Love, the highest bidder after public advertisement, for the high bid amount of \$15,170.00.

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 3)

Project 8.12251002, Parcel U-2734 004, 028, 029, and 031, SR 1409 (Military Cutoff Road) from Drysdale Drive to US 17 (Market Street) **New Hanover County**

Conveyance of an approximate 0.130-acre surplus right of way area to Arboretum West, LLC for the enhancement value of \$17,750.00.

(Division 5)

Project 9.8052033, SR 4746 (Centennial Parkway) near Bender Street and Dorsett Drive

Wake County

Abandonment of an approximate 0.742-acre permanent easement area to The State of North Carolina on behalf of North Carolina State University for no monetary consideration.

Project 34503.2.1, Parcel R-2809B 907 (1), Retail Drive near NC 98 (Wake Forest Bypass) at the US 1 Interchange **Wake County**

Conveyance of an approximate 0.633-acre surplus right of way area to MREA Wake Forest, LLC for the enhancement value of \$293,050.00.

Project 34503.2.1, Parcel R-2809B 907 (2), Retail Drive near NC 98 (Wake Forest Bypass) at the US 1 Interchange Wake County

Conveyance of an approximate 0.553-acre surplus right of way area to MREA Wake Forest, LLC for the enhancement value of \$255,900.00.

(Division 9)

Project 7476, US 421/Business 40 at First Street Ramp in Winston-Salem Forsyth County

Conveyance of an approximate 0.345-acre surplus right of way area to David Hillman for the enhancement value of \$178,950.00.

Project 8.15257, US 29/52/70 Business I-85 (Future I-285) near SR 3165 (Hargrave Lane) in Lexington **Davidson County**

Conveyance of an approximate 0.185-acre surplus right of way area to Myers Tool and Machine Company, Inc. for the enhancement value of \$5,650.00.

Approval of Revision in Control of Access

It is hereby resolved, based upon the recommendation of the Manager of the Right of

Way Unit that the following highway right of way conveyances are approved:

(Division 5)

Project 8.1484701, Parcel 093B, Ramp B near the Northwest Quadrant of the Interchange at NC 50 and NC 98 **Wake County**

Grant of a revision in the existing control of access to the North Carolina Department of Public Safety on behalf of the North Carolina Highway Patrol for an approximate 190 foot break in Ramp B located in the northwest quadrant of the interchange at NC 50 and NC 98 to provide access to a proposed 340 foot free-standing VIPER communication tower, 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 5)

Project 42263.2.1, Parcel B-5121 039, Near Bridge 227 on US-70/US 401/NC 50 over Peace Street Wake County

The Department acquired an approximate 0.664-acre residue area Anderson Sanitary Maintenance Products, Inc., f/k/a The James H. Anderson Co. for construction near Peace Street. Duke Energy Progress, LLC has requested an approximate 0.010 permanent utility easement for the relocation, installation, and maintenance of an electric utility pole. The Department has determined that this conveyance would do minimal damage to the property. Duke Energy Progress, LLC has agreed to the conveyance for no monetary consideration.

(Division 10)

Project 34813.2.3, Parcel U-2510A 024, Near Providence Road South in Sandy Ridge Union County

The Department acquired an approximate 0.920-acre residue area from J. Bruce King, II and wife, Ernestine M. King for construction near Providence Road South. Union Electric Membership Corporation has requested an approximate 0.554-acre permanent utility easement for the installation and maintenance of electric utility poles. The Department has determined that this conveyance would do minimal damage to the property. Union Electric Membership Corporation has agreed to the conveyance for no monetary consideration.

NCDOT August 2017 Board of Transportation Agenda

R-9

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 1)

CLAIM OF: George A. Meads Heirs

Project # : 6.112182 PARCEL #: 002

COUNTY: Pasquotank

SR#: 1111 Harvest Point Road

(Division 11)

CLAIM OF: Fanny L. Teague Heirs

WBS #: 11C.095110 PARCEL #: 008 COUNTY: Watauga

SR #: 1526A Sampson Road

CLAIM OF: Donnie H. Chapman Heirs

WBS #: 11C.095110 PARCEL #: 009 COUNTY: Watauga

SR #: 1526A Sampson Road

AUTHORIZATION TO CONDEM RIGHT OF WAY FOR SECONDARY ROAD PROJECT 2 PROJECT(S) \$0.00

TOTAL: \$ 786,071.00

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

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

August 3, 2017 Page 1 of 1

July 17, 2017

MEMORANDUM TO: Board of Transportation

FROM: Transportation Planning Branch

SUBJECT: Submission of the Durham-Chapel Hill-Carrboro Metropolitan Planning

Organization Comprehensive Transportation Plan for Mutual Adoption by

the Board of Transportation

The Transportation Planning Branch has worked cooperatively with the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO) on the development of a Comprehensive Transportation Plan (CTP). Based on DCHC's feedback, the maps are modified from typical CTP templates in order to clearly show the transportation proposals for the area. The plan was adopted by the DCHC MPO on May 10, 2017.

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

https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study_id=Durham-Chapel Hill-Carrboro

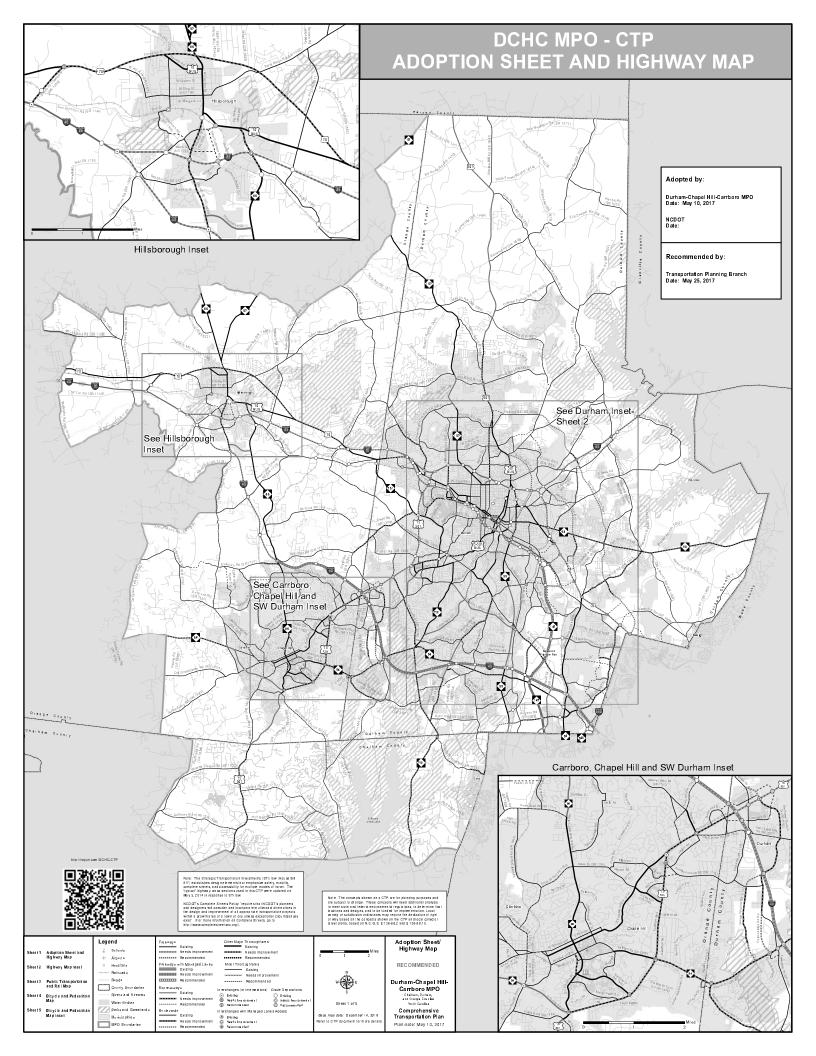
The Transportation Planning Branch recommends the mutual adoption of the DCHC MPO Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of May 25, 2017.

Sincerely,

Jamal Alavi, P.E.

Manager, Transportation Planning Branch

Attachment



July 17, 2017

MEMORANDUM TO: Board of Transportation

FROM: Transportation Planning Branch

SUBJECT: Submission of the Hoke County Comprehensive Transportation Plan for

Mutual Adoption by the Board of Transportation

The Transportation Planning Branch has worked cooperatively with Hoke County on the development of a Comprehensive Transportation Plan (CTP). The plan was adopted by Hoke County on May 1, 2017. It was endorsed by the Lumber River RPO on May 22, 2017.

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

https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study_id=Hoke County

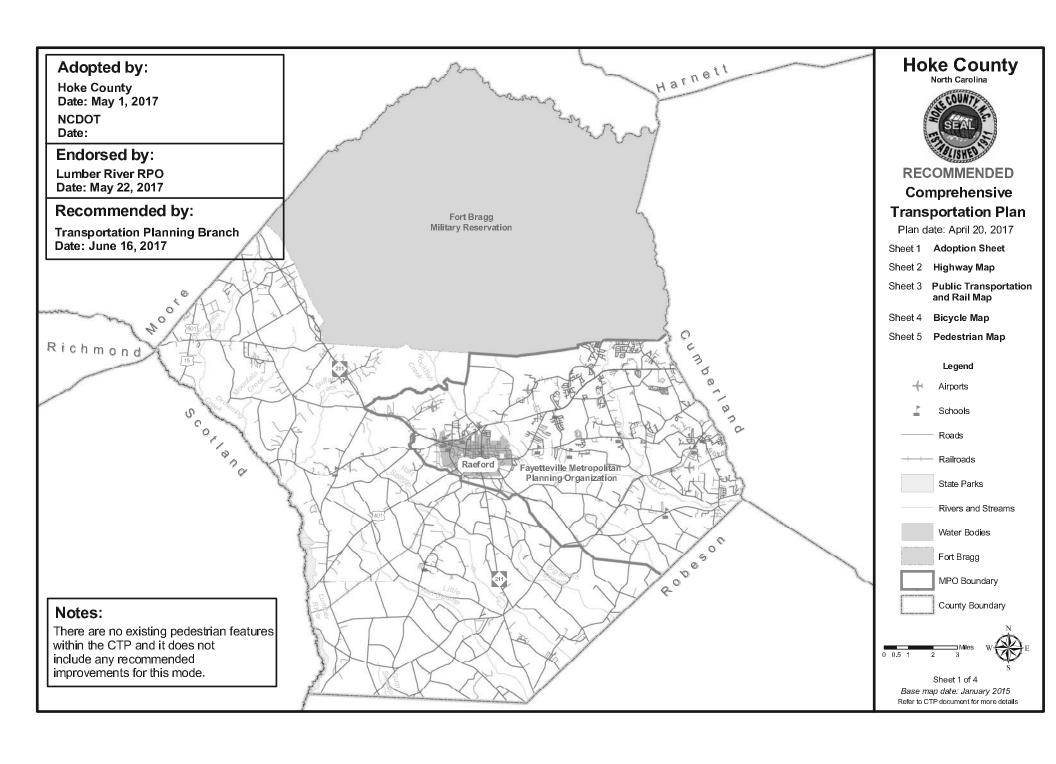
The Transportation Planning Branch recommends the mutual adoption of the Hoke County Comprehensive Transportation Plan as shown on the attached map, with a recommendation date of June 16, 2017.

Sincerely,

Jamal Alavi, P.E.

Manager, Transportation Planning Branch

Attachment



NORTH CAROLINA BOARD OF TRANSPORTATION

There will be no Item V submitted to the Board for approval at the August 2017 Board meeting.

August 3, 2017 Page 1 of 1

PRIORITIZATION 5.0 SCORING FOR ALL MODES

(WITH CRITERIA DEFINITIONS)
RECOMMENDED BY THE P5.0 WORKGROUP JUNE 1, 2017

Objective: The Board of Transportation approves the following P5.0 Workgroup recommendations in accordance with the Strategic Transportation Investments law.

Highway Scoring

Funding	oring	Local Input			
Category	Quantitative Data	Division	MPO/RPO		
	0 41 0004	Input	Input		
Statewide Mobility	 Congestion = 30% Measurement of the traffic volume (accounting for seasonal traffic) on the roadway compared to the existing capacity of the roadway, weighted by the traffic volume (accounting for seasonal traffic) along the roadway. Benefit/Cost = 25% Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost. Freight = 25% Measurement of truck volume and truck percentage of total traffic on the roadway, and the degree the project is helping to complete a future interstate corridor (if applicable). Safety = 10% Measurement of the existing severity, frequency, and rate of crashes along the roadway and the safety benefits the project is expected to provide over 10 years. Economic Competitiveness = 10% Measurement of the estimated percent change in economic activity within the county and the percent change in the number of long term jobs that the project is expected to provide over 10 years. Total = 100% 				
Regional Impact	 Congestion = 20% Measurement of the traffic volume (accounting for seasonal traffic) on the roadway compared to the existing capacity of the roadway, weighted by the traffic volume (accounting for seasonal traffic) along the roadway. Benefit/Cost = 20% Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost. Safety = 10% Measurement of the existing severity, frequency, and rate of crashes along the roadway and the safety benefits the project is expected to provide over 10 years. Accessibility/Connectivity = 10% Measurement of county economic distress indicators and the degree the project upgrades mobility of the roadway, with the goal of improving access to opportunity in rural and less-affluent areas and improving interconnectivity of the transportation network. Freight = 10% Measurement of truck volume and truck percentage of total traffic on the roadway, and the degree the project is helping to complete a future interstate corridor (if applicable). Total = 70% 	15%	15%		

Division Needs	 Congestion = 15% Measurement of the traffic volume (accounting for seasonal traffic) on the roadway compared to the existing capacity of the roadway. Benefit/Cost = 15% Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost. Safety = 10% Measurement of the existing severity, frequency, and rate of crashes along the roadway and the safety benefits the project is expected to provide over 10 years. Accessibility/Connectivity = 5 % Measurement of county economic distress indicators and the degree the project upgrades mobility of the roadway, with the goal of improving access to opportunity in rural and less-affluent areas and improving interconnectivity of the transportation network. Freight = 5% Measurement of truck volume and truck percentage of total traffic on the roadway, and the degree the project is helping to complete a future interstate corridor (if applicable). Total = 50% 	25%	25%
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Note: Regions and/or Divisions may approve different criteria and weights for their respective areas.

Aviation Scoring

Funding			Local Input			
Category	Quantitative Data	Division Input	MPO/RPO Input			
Statewide Mobility	 NCDOA Project Rating = 40% Scores projects based on project categories within the NC Airports System Plan, developed by the NCDOT Division of Aviation (DOA). Points are assigned based on priority and need of the project Non-State Contribution Index = 30% Measurement of the project's federal, local, or private funding contributions compared to the requested state funds. Benefit/Cost = 20% Measurement of the project's total economic contribution compared to the cost of the project to NCDOT. FAA ACIP Rating = 10% Scores projects based on ratings within the Federal Aviation Administration (FAA) Airport Capital Improvement Plan (ACIP). Ratings are based on critical airport development and capital needs for the National Airspace System (NAS). Total = 100% 					
Regional Impact	 NCDOA Project Rating = 30% Scores projects based on project categories within the NC Airports System Plan, developed by the NCDOT Division of Aviation (DOA). Points are assigned based on priority and need of the project. Non-State Contribution Index = 20% Measurement of the project's federal, local, or private funding contributions compared to the requested state funds. Benefit/Cost = 15% Measurement of the project's total economic contribution compared to the cost of the project to NCDOT. FAA ACIP Rating = 5% Scores projects based on ratings within the Federal Aviation Administration (FAA) Airport Capital Improvement Plan (ACIP). Ratings are based on critical airport development and capital needs for the National Airspace System (NAS). Total = 70% 	15%	15%			
Division Needs	 NCDOA Project Rating = 25% Scores projects based on project categories within the NC Airports System Plan, developed by the NCDOT Division of Aviation (DOA). Points are assigned based on priority and need of the project. Benefit/Cost = 10% Measurement of the project's total economic contribution compared to the cost of the project to NCDOT. FAA ACIP Rating = 10% Scores projects based on ratings within the Federal Aviation Administration (FAA) Airport Capital Improvement Plan (ACIP). Ratings are based on critical airport development and capital needs for the National Airspace System (NAS). Non-State Contribution Index = 5% Measurement of the project's federal, local, or private funding contributions compared to the requested state funds. Total = 50% 	25%	25%			

Bicycle & Pedestrian Scoring

Funding		Loca	l Input
_	Quantitative Data	Division	MPO/RPO
Category		Input	Input
	 Safety = 15% Measurement of the number of bicycle and pedestrian crashes, speed limit of the roadway, severity of the crashes, and safety benefit the project is expected to provide. Access = 10% 		
	 Measurement of the quantity and significance of destinations near the project as well as the distance to the primary destination. 		
	Demand/Density = 10%		
Division Needs	Measurement of the population and employment density within a walkable or bikeable distance of the project.	25%	25%
	Connectivity = 10%		
	Measurement of the degree of separation between the project and the roadway, connectivity to a similar or better project type, and whether the project includes or connects to a national, state, or regional bicycle route. Cont Effectiveness		
	Cost Effectiveness = 5%		
	 Measurement of total Safety, Access, Demand/Density, and Connectivity criteria scores compared to the cost of the project to NCDOT. 		
	Total = 50%		

Ferry Scoring

Eundina		Loca	l Input	
Funding Category	Quantitative Data	Division	MPO/RPO	
Category		Input	Input	
Regional Impact	 Capacity/Congestion = 20% Measurement of the number of vehicles left behind at each departure compared to the total number of vehicles loaded and carried by the route. Asset Condition = 15% Measurement of the asset condition rating by the NCDOT Ferry Division. Asset Efficiency = 15% Measurement of the cost effectiveness of continued maintenance of the asset compared to replacement of the asset. Benefits = 10% Measurement of the monetized value of the number of hours saved by utilizing the ferry route instead of taking the shortest alternative roadway route. Accessibility/Connectivity = 10% Measurement of the number of jobs, services, and other points of interest near the project. Total = 70% 	15%	15%	
Division Needs	 Asset Condition = 15% Measurement of the asset condition rating by the NCDOT Ferry Division. Asset Efficiency = 15% Measurement of the cost effectiveness of continued maintenance of the asset compared to replacement of the asset. Benefits = 10% Measurement of the monetized value of the number of hours saved by utilizing the ferry route instead of taking the shortest alternative roadway route. Accessibility/Connectivity = 10% Measurement of the number of jobs, services, and other points of interest near the project. Total = 50% 	25%	25%	

Public Transportation Scoring (Mobility / Route-Specific)

Funding		Local Input			
Category	Quantitative Data	Division	MPO/RPO		
Category		Input	Input		
Regional Impact	 Cost Effectiveness = 25% Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project). Demand/Density = 20% Measurement of the total trips along the project route in 10 years compared to the service area population for the project route. Impact = 15% Measurement of the trips generated and relieved by the project in 10 years. Efficiency = 10% Measurement of the total trips along the project route in 10 years compared to the total revenue seat hours of the project route in 10 years. Total = 70% 	15%	15%		
Division Needs	 Cost Effectiveness = 20% Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project). Impact = 10% Measurement of the trips generated and relieved by the project in 10 years. Demand/Density = 10% Measurement of the total trips along the project route in 10 years compared to the service area population for the project route. Efficiency = 10% Measurement of the total trips along the project route in 10 years compared to the total revenue seat hours of the project route in 10 years. Total = 50% 	25%	25%		

Public Transportation Scoring (Demand-Response)

	portation Scoring (Demand-Response)	Loca	l Input	
Funding Category	Quantitative Data	Division	MPO/RPO	
Category		Input	Input	
Regional Impact	 Cost Effectiveness = 25% Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project). Demand/Density = 20% Measurement of the total operating hours of the system in 10 years compared to the service area population for the system. Efficiency = 15% Measurement of the number of vehicles in maximum service by the system compared to the total number of vehicles in the fleet (utilization ratio). Impact = 10% Measurement of the trips generated by the project in 10 years. Total = 70% 	15%	15%	
Division Needs	 Total = 70% Cost Effectiveness = 15% Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project). Demand/Density = 15% Measurement of the total operating hours of the system in 10 years compared to the service area population for the system. Efficiency = 10% Measurement of the number of vehicles in maximum service by the system compared to the total number of vehicles in the fleet (utilization ratio). Impact = 10% Measurement of the trips generated by the project in 10 years. Total = 50% 		25%	

Public Transportation Scoring (Facility)

Funding		Loca	l Input	
Category	Quantitative Data	Division	MPO/RPO	
Category		Input	Input	
Regional Impact	 Cost Effectiveness = 25% Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project). Impact = 20% Measurement of the trips generated by the project in 10 years. Efficiency = 15% Measurement of the total trips at the facility with the project in place (passenger facilities), the square footage per employee (administrative facilities), or the number of vehicles per bay (maintenance facilities). Demand/Density = 10% Growth trend of ridership for the system over the previous 5 years. Total = 70% 	15%	15%	
Division Needs	 Cost Effectiveness = 15% Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project). Impact = 15% Measurement of the trips generated by the project in 10 years. Efficiency = 10% Measurement of the total trips at the facility with the project in place (passenger facilities), the square footage per employee (administrative facilities), or the number of vehicles per bay (maintenance facilities). Demand/Density = 10% Growth trend of ridership for the system over the previous 5 years. Total = 50% 	25%	25%	

Rail Scoring Funding			l Input		
Category	Quantitative Data	Division	MPO/RPO		
Category		Input	Input		
Statewide Mobility (Class I Freight Only)	 Benefit-Cost = 35% Measurement of monetized benefits compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost. Safety = 30% Measurement of crash potential at highway/rail crossings, based on the NCDOT Rail Division's Investigative Index. System Opportunities = 15% Measurement of the project's degree of access to industrial/commercial development or nearby points of interest, and the degree of interaction between Rail and other modes. Capacity and Diversion = 10% Measurement of train volume compared to track capacity and the amount of freight and/or passenger volumes diverted off highways by the project. Economic Competitiveness = 10% Measurement of the estimated number of full time jobs created in 20 years. Total = 100% 				
Regional Impact	 Benefit-Cost = 25% Measurement of monetized benefits compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost. Safety = 15% Measurement of crash potential at highway/rail crossings, based on the NCDOT Rail Division's Investigative Index. System Opportunities = 10% Measurement of the project's degree of access to industrial/commercial development or nearby points of interest, and the degree of interaction between Rail and other modes. Capacity and Diversion = 10% Measurement of train volume compared to track capacity and the amount of freight and/or passenger volumes diverted off highways by the project. Economic Competitiveness = 10% Measurement of the estimated number of full time jobs created in 20 years. Total = 70% 	15%	15%		
Division Needs	 System Opportunities = 15% Measurement of the project's degree of access to industrial/commercial development or nearby points of interest, and the degree of interaction between Rail and other modes. Benefit-Cost = 10% Measurement of monetized benefits compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost. Safety = 10% Measurement of crash potential at highway/rail crossings, based on the NCDOT Rail Division's Investigative Index. Capacity and Diversion = 10% Measurement of train volume compared to track capacity and the amount of freight and/or passenger volumes diverted off highways by the project. Economic Competitiveness = 5% Measurement of the estimated number of full time jobs created in 20 years. Total = 50% 	25%	25%		

Note: Passenger Rail only eligible for Regional Impact and Division Needs.

Normalization in P5.0

- Statewide Mobility (only) No normalization, scores are stand-alone for comparison (Highway, Aviation, Freight Rail).
- Regional Impact & Division Needs Allocate funds to Highway and Non-Highway modes based on minimum floor or %s.

Mode	Regional Impact	Division Needs
Highway	90% (minimum) (Region competition)	90% (minimum) (Division competition)
Non-Highway	4% (minimum) (Statewide competition)	4% (minimum) (2% Statewide competition, 2% Division competition)
Flex (All Modes)	6% (Region competition)	6% (Division competition)

Committed Projects - Not subject to re-evaluation in P5.0

Right-of-Way OR Construction date in 2018-2022 based on Final STIP (first 5 years of STIP)

Carryover Projects – 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
- Project has a NEPA document completed within the last 10 years or the NEPA document is actively being worked on

of Project Submittals for Each Mode

MPOs and RPOs

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

Divisions

14 submittals each

All submittals must be coordinated with associated MPOs, RPOs, and Divisions

of Local Input Points for Regional Impact and Division Needs Categories

- # of Points per Area = Base of 1,000 points + 100 additional points for every 50,000 in population
- Maximum 2,500 points per area
- Same allocation of points for Regional Impact and Division Needs categories
- 100 point max per project per category

Cash Flow Projection

DMS Biennial Budget State Fiscal Years (SFY) 2017 / 18 and 2018 / 19

Summary

			SFY 201	2017 / 18			SFY 2018 / 19										
	Quar		C	Quarter #2		Quarter #3	•	Quarter #4	•	Quarter #5	•	Quarter #6	G	Quarter #7	C	Quarter #8	
Line Item*	07	/17 - 09/17	10	0/17 - 12/17	0	1/18 - 03/18	04	4/18 - 06/18	07	7/18 - 09/18	1	0/18 - 12/18	01	/19 - 03/19	04	1/19 - 06/19	Total
Administration																	
Salaries	\$	624,227	\$	624,227	\$	624,227	\$	624,227	\$	642,954	\$	642,954	\$	642,954	\$	642,954	\$ 5,068,724
Operating	\$	86,905	\$	86,905	\$	86,905	\$	86,905	\$	88,131	\$	88,131	\$	88,131	\$	88,131	\$ 700,144
Dynamics CRM Database	\$	85,000	\$	85,000	\$	85,000	\$	85,000	\$	-	\$	-	\$	-	\$	-	\$ 340,000
SPO and legal	\$	37,000	\$	37,000	\$	37,000	\$	37,000	\$	37,740	\$	37,740	\$	37,740	\$	37,740	\$ 298,960
Restoration	\$	7,659,749	\$	7,757,372	\$	13,519,696	\$	6,177,566	\$	8,065,205	\$	13,046,868	\$	8,539,477	\$	6,177,539	\$ 70,943,473
Stewardship	\$	100,000	\$	100,000	\$	100,000	\$	100,000	\$	125,000	\$	125,000	\$	125,000	\$	125,000	\$ 900,000
Planning Framework	\$	63,750	\$	63,750	\$	127,500	\$	127,500	\$	148,750	\$	124,535	\$	68,000	\$	63,750	\$ 787,535

Total (by Quarter)	\$	8,656,631	\$	8,754,254	\$	14,580,328	\$	7,238,198	\$	9,107,780	\$ 14,065,228	\$	9,501,302	\$	7,135,114	\$	79,038,836	ĺ
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Total (Annual) \$ 39,229,412 \$ 39,809,424 \$ 79,038,836

* See individual linetabs for details

Summary

Biennial Total	79,038,836
Planning Framework	\$ 787,535
Stewardship	\$ 900,000
Restoration	\$ 70,943,473
Administration	\$ 6,407,828

Distribution

1% 1% 8%

Administration

Restoration

Stewardship

Planning Framework

Note: Biennial budget reflects operating requirements of Code of Federal Regulations as agreed with the USACE, Wilmington District

Salary and Operating Expenses

DMS Biennial Budget State Fiscal Years (SFY) 2017 / 18 and 2018 / 19

				SFY 20	17	/ 18						SFY 20)18 <i>/</i>	19			
Salary & Operations	G	uarter #1	Q	uarter #2	Q	uarter #3	G	Quarter #4	Q	uarter #5	Q	uarter #6	Q	uarter #7	Q	uarter #8	Total
Salaries	\$	624,227	\$	624,227	\$	624,227	\$	624,227	\$	642,954	\$	642,954	\$	642,954	\$	642,954	\$ 5,068,724
Operations	\$	86,905	\$	86,905	\$	86,905	\$	86,905	\$	88,131	\$	88,131	\$	88,131	\$	88,131	\$ 700,144
Dynamics CRM Database (85%)	\$	85,000	\$	85,000	\$	85,000	\$	85,000	\$	-	\$	-	\$	-	\$	-	\$ 340,000
Salary & Operations Total	\$	796,132	\$	796,132	\$	796,132	\$	796,132	\$	731,085	\$	731,085	\$	731,085	\$	731,085	\$ 6,108,868

				SFY 20	17 /	/ 18						SFY 20)18 /	19			
Supporting Positions	Quarte	er #1	Qu	arter #2	Q	uarter #3	Q	uarter #4	ā	uarter #5	Qi	uarter #6	Qi	uarter #7	ā	uarter #8	Total
State Property Office*	\$ 2	22,000	\$	22,000	\$	22,000	\$	22,000	\$	22,440	\$	22,440	\$	22,440	\$	22,440	\$ 177,760
Legal**	\$ 1	5,000	\$	15,000	\$	15,000	\$	15,000	\$	15,300	\$	15,300	\$	15,300	\$	15,300	\$ 121,200
Supporting Positions Total	\$ 3	37,000	\$	37,000	\$	37,000	\$	37,000	\$	37,740	\$	37,740	\$	37,740	\$	37,740	\$ 298,960

^{*}SPO funding for 85% of one position.

^{**85%} of DMS's share (1/2) for DEQ legal position

Colomy and Onevetina		SFY 20	17 / 18			SFY 20	18 / 19		
Salary and Operating	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
Expenses - Total	\$ 833,132	\$ 833,132	\$ 833,132	\$ 833,132	\$ 768,825	\$ 768,825	\$ 768,825	\$ 768,825	\$ 6,407,828

Restoration Summary

DMS Biennial Budget State Fiscal Years (SFY) 2017 / 18 and 2018 / 19

		SFY 20)17 / 18			SFY 2018 / 19		
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6 Quarter #	Quarter #8	Total
Design-Bid-Build	\$ 76,675	\$ 108,268	\$ 232,366	\$ 833,890	\$ 356,510	\$ 370,281 \$ 188,13	6 \$ -	\$ 2,166,126
Design-Build	\$ -	\$ 622,165	\$ 1,866,494	\$ 311,082	\$ -	\$ - \$ 124,43	3 \$ -	\$ 2,924,174
Full Delivery	\$ 5,767,597	\$ 5,151,226	\$11,338,220	\$ 4,926,513	\$ 7,607,395	\$11,459,217 \$ 8,170,35	1 \$ 5,095,360	\$59,515,880
Monitoring/Maintenance	\$ 115,477	\$ 225,713	\$ 82,616	\$ 106,081	\$ 55,800	\$ 312,370 \$ 56,59	7 \$ 82,179	\$ 1,036,793
Actual cost adjustment for in-lieu payments ¹	\$ 1,700,000	\$ 1,650,000	\$ -	\$ -	\$ 45,500	\$ 905,000 \$	- \$ 1,000,000	\$ 5,300,500
Restoration Summary Total	\$ 7,659,749	\$ 7,757,372	\$13,519,696	\$ 6,177,566	\$ 8,065,205	\$ 13,046,868 \$ 8,539,47	7 \$ 6,177,539	\$70,943,473

Note: Currently, there are 23 active design-bid-build contracts, 1 active Design-Build contracts and 55 active full delivery contracts.

The term **restoration** is used to describe stream and wetland restoration activities, monitoring, maintenance, land, and special studies. Contained under this heading are 79 active contracts that are in design, construction or monitoring in our state's 17 river basins.

¹ These numbers are placeholder estimates to be approved on an individual project basis with the DOT Inspector General's Office. Such costs are associated with NCDOT payments into the Wetlands Restoration Program (WRP) for mitigation associated with multiple TIPs that were constructed between 1999 and 2008. Significant mitigation amounts were accepted by the WRP and paid by the NCDOT before sufficient data was available related to the actual cost of mitigation and agreements were put in place for cost recovery that would not exceed the actual cost of producing the mitigation. Procedures for reconciling such costs are documented through the Inspector General's Office.

Design-Bid-Build Contracts

							SFY	201	7 / 18					SFY	201	8 / 19				_
Current Contrac	ts				Qı	uarter #1	Quarter #	2	Quarter #3	Qı	uarter #4	Quarte	r #5	Quarter #	6	Quarter #7	Qu	arter #8	Total	Coun
Contract Number	Site Name	Division	County	Consultant																1
Contract #D14001i	Mud Lick Crk - Thomas	8	Chatham	Wildlands Engineering, Inc.	\$	10,380	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	\$ 10,380	
Contract #006741	Millstone Creek	8	Randolph	NCSU	\$	4,000	\$ 9,52	8 \$	20,754	\$	20,754	\$	-	\$ 26,2	281	\$ 28,136	\$	-	\$ 109,453	:
Contract #D13022S	Little Pine II	11	Alleghany	Confluence Engineering	\$	33,360	\$ 8,34	0 \$	8,340	\$	20,850	\$ 2	0,850	\$ 8,3	340	\$ -	\$	-	\$ 100,080	
Contract #D16015i	UT West Branch Rocky Riv	10	Mecklenburg	KCI Associates of NC	\$	24,135	\$ 40,40	0 \$	29,272	\$	32,286	\$ 2	5,660	\$ 25,6	60	\$ -	\$	-	\$ 177,413	
	Subto	tal Desig	ın-Bid-Buil	d - Current Contracts	\$	71,875	\$ 58,26	8 \$	58,366	\$	73,890	\$ 4	6,510	\$ 60,2	281	\$ 28,136	\$	_	\$ 397,326	

				SFY 2	017	' / 18						SFY 201	8/	19			1	
Design-Bid-Build - New Contracts to be awarded SFY 2017/18 / SFY 2018/19	Qua	arter #1	qu	arter #2	G	Quarter #3	Q	uarter #4	G	uarter #5	ď	Quarter #6	c	Quarter #7	Qua	arter #8		Total
Design	\$		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Construction	\$	-	\$	50,000	\$	145,000	\$	760,000	\$	310,000	\$	310,000	\$	160,000	\$	-	\$	1,735,000
Acquisition ¹	\$	4,800	\$	-	\$	29,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	33,800
								·		•		·				•		•
Subtotal Design-Bid-Build - New Contracts	\$	4,800	\$	50,000	\$	174,000	\$	760,000	\$	310,000	\$	310,000	\$	160,000	\$	-	\$	1,768,800

		SFY 2	017 / 18			SFY 201	18 / 19		
Design-Bid-Build Total	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
	\$ 76,675.00	\$ 108,268	\$ 232,366	\$ 833,890	\$ 356,510	\$ 370,281	\$ 188,136	\$ -	\$ 2,166,126

Design-Build

						SFY	2017 / 18			SFY 201	18 / 19		
Design-Build - P	ayments for New C	ontracts			Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
Contract Number	Site Name	Division	County	Provider									
Contract #006256	Big Harris	12	Cleveland	Wildlands Engineering, Inc.	\$ -	\$ 622,165	\$ 1,866,494	\$ 311,082	\$ -	\$ -	\$ 124,433	\$ -	\$ 2,924,174
		Total	Design-Bu	ild Current Contracts	\$ -	\$ 622,165	\$ 1,866,494	\$ 311,082	\$ -	\$ -	\$ 124,433	\$ -	\$ 2,924,174

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Full Delivery Contracts

								SFY 20	017/1	18					SFY 201	8 / 19				
Full Delivery - Cu	rrent Contracts				Qu	arter #1	Quar	rter #2	Qua	arter #3	Quarter #	4 (Quarter #5	Qı	uarter #6	Quarter #7	Qua	rter #8	Total	Cour
Contract Number	Site Name	Division	County	Provider																i
Contract #003981	Muddy Run Site	3	Duplin	Environmental Banc & Exchange, LLC	\$	-	\$ 9	91,817	\$	-	\$ -	\$	-	\$	183,635	\$ -	\$	-	\$ 275,452	6
Contract #003989	Devil's Racetrack	4	Johnston	Wildlands Engineering, Inc.	\$	-	\$ 42	20,966	\$	-	\$ -	\$	-	\$	420,966	\$ -	\$	-	\$ 841,932	7
Contract #005012	Bowl Basin	3	Onslow	KCI Associates of NC	\$	-	\$ 2	26,460	\$	-	\$ -	\$	-	\$	26,460	\$ -	\$	-	\$ 52,920	8
Contract #005010	Norman's Pasture	3	Sampson	KCI Associates of NC	\$	-	\$ 6	65,130	\$	-	\$ -	\$	-	\$	65,130	\$ -	\$	-	\$ 130,260	ę
Contract #005787	Norman's Pasture II	3	Sampson	KCI Technologies Environmental Banc &	\$	-	\$	10,558	\$	-	\$ -	\$	-	\$	10,558	\$ -	\$	-	\$ 21,116	10
Contract #005011	Cedar Creek	3	Sampson	Exchange, LLC	\$	-	\$ 9	95,500	\$	-	\$ -	\$	-	\$	95,500	\$ -	\$	-	\$ 191,000	11
Contract #005000	UT to Millers Creek	3	Duplin	Florence and Hutcheson, Inc	\$	-	\$!	50,681	\$	-	\$ -	\$		\$	50,681	\$ -	\$	-	\$ 101,362	12
Contract #004631	Best Site	3	Duplin	Environmental Banc & Exchange, LLC Environmental Banc &	\$	-	\$ 13	34,904	\$	-	\$ -	\$	-	\$	134,904	\$ -	\$	-	\$ 269,808	13
Contract #004632	Muddy Run II Site	3	Duplin	Exchange, LLC	\$	-	\$ 12	27,700	\$	-	\$ -	\$	-	\$	127,700	\$ -	\$	-	\$ 255,400	14
Contract #004954	Foust Creek	7	Alamance	Wildlands Engineering, Inc.	\$	-	\$ 8	89,817	\$	-	\$ -	\$	-	\$	89,817	\$ -	\$	-	\$ 179,634	15
Contract #004949	Agony Acres	7	Guilford	Wildlands Engineering, Inc.	\$	-	\$ 1	13,521	\$	-	\$ -	\$	-	\$	113,521	\$ -	\$	-	\$ 227,042	16
Contract #004951	UT to Cane Creek	7	Alamance	Michael Baker Engineering, Inc	\$	-	\$ 6	66,930	\$	-	\$ -	\$	-	\$	66,930	\$ -	\$	-	\$ 133,860	17
Contract # 005151	Stanleys II	1	Northampton	KCI Associates of NC	\$	-	\$ 2	21,125	\$	-	\$ -	\$	-	\$	21,125	\$ -	\$	-	\$ 42,250	18
Contract #004635	Stanleys Slough	1	Northampton	KCI Associates of NC Albemarle Restorations,	\$	-	\$	78,377	\$	-	\$ -	\$	-	\$	78,377	\$ -	\$	-	\$ 156,754	19
Contract #004628	Hofler Property	1	Gates	LLC	\$	-	\$ 3	30,800	\$	-	\$ -	\$	-	\$	30,800	\$ -	\$	-	\$ 61,600	20
Contract #005790	Abbey Lamm	7	Alamance	Restoration Systems, LLC	\$	-	\$ 3	38,824	\$	-	\$ -	\$	-	\$	38,824	\$ -	\$	-	\$ 77,648	21
Contract #005791	Aycock Springs	7	Alamance	Restoration Systems, LLC Michael Baker Engineering,	\$	-	\$ 2	26,629	\$	-	\$ -	\$	-	\$	26,629	\$ -	\$	-	\$ 53,258	22
Contract #005792	Browns Summit Creek	7	Guilford	Inc	\$	-	\$ 9	99,875	\$	-	\$ -	\$	-	\$	39,950	\$ -	\$	-	\$ 139,825	23
Contract #005793	Maney Farm	8	Chatham	Wildlands Engineering, Inc.	\$	-	\$ 3	35,040	\$	-	\$ -	\$	-	\$	35,040	\$ -	\$	-	\$ 70,080	24
Contract #005794	Candy Creek	7	Guilford	Wildlands Engineering, Inc.	\$	-	\$ 27	76,662	\$	-	\$ -	\$	-	\$	110,665	\$ -	\$	-	\$ 387,327	25
Contract #005795	Holman Mill Tar River Headwater	7	Alamance	Wildlands Engineering, Inc.	\$	-	\$ 2	28,297	\$	-	\$ -	\$	-	\$	28,297	\$ -	\$	-	\$ 56,594	26
Contract #006746	Wetlands	5	Person	Mogensen Mitigation, Inc.	\$	-	\$	15,250	\$	-	\$ -			\$	6,100	\$ -	\$	-	\$ 21,350	27
Contract #006824	Pen Dell	4	Johnston	Water & Land Solutions	\$	174,583	\$ 1	16,389	\$	116,389	\$ -	\$	-	\$	58,194	\$ -	\$	-	\$ 465,555	28
Contract #006825	Edwards-Johnson	4	Johnston	Water & Land Solutions	\$	175,925	\$ 1	17,284	\$	117,284	\$ -	\$	-	\$	58,642	\$ -	\$	-	\$ 469,134	29
Contract #006826	Lake Wendell	4	Johnston	Water & Land Solutions	\$	197,281	\$ 13	31,521	\$	131,521	\$ -	\$	-	\$	65,760	\$ -	\$	-	\$ 526,084	30
Contract #006827	Dry Creek	5	Durham	Wildlands Engineering, Inc. Michael Baker Engineering,	\$	149,400	\$ 44	48,201	\$	597,602	\$ -	\$	448,201	\$	298,801	\$ 298,801	\$	-	\$ 2,241,006	31
Contract #006828	Lochill Farm	7	Orange	Inc.	\$	199,260	\$ 13	32,840	\$	132,840	\$ -	\$	-	\$	66,420	\$ -	\$	-	\$ 531,360	32
Contract #006829	Buckwater	7	Orange	Wildlands Engineering, Inc.	\$	866,737	\$	-	\$	-	\$ -	\$	433,368	\$	216,684	\$ 216,684	\$	-	\$ 1,733,473	33

Full Delivery Contracts (page 2)

Contract #006830 Ston Contract #006832 Allian Contract #006897 Lone Contract #006898 Mill I Contract #006997 Fletc Contract #006997 Fletc Contract #006997 Elk E Contract #D06125-B Elk E Contract #002024 Norti Contract #003983 Jacc Contract #003984 Jacc	nt Contracts (continuite Name tony Fork Illiance Headwaters Option A one Hickory Illil Dam Creek arrell Site letcher Site ogan Creek	4 4 11 11	County Johnston Johnston Yadkin	Provider KCI Associates of NC Restoration Systems, LLC	Q \$ \$, , , , , , , , , , , , , , , , , , , ,	Quarter #2 \$ 260,888	<u> </u>	Quarter #3 130,444	Quarter \$	#4	Quarter #5		uarter #6	Qı	uarter #7	Qua	irter #8		Total	Cou
Contract #006830 Ston Contract #006832 Allia Contract #006897 Lone Contract #006898 Mill I Contract #007006 Harr Contract #006997 Fletc Contract #006997 Elk E Contract #D06125-B Elk E Contract #002024 Nort! Contract #003983 Jacc Contract #003984 Jacc Contract #003984	tony Fork Illiance Headwaters Option A one Hickory Illi Dam Creek arrell Site	4 4 11 11	Johnston Johnston Yadkin	KCI Associates of NC Restoration Systems, LLC	Ť		\$ 260,888	\$	130,444	\$. !		¢		¢		¢		_		
Contract #006832 Allian Contract #006897 Lone Contract #006898 Mill I Contract #007006 Harr Contract #006997 Fletc Contract #D06046-A Loga Contract #D06125-B Elk E Contract #002024 North Contract #003983 Jacc Contract #003984 Jacc Contract #003984 Jacc	lliance Headwaters Option A one Hickory lill Dam Creek arrell Site	11	Johnston Yadkin	Restoration Systems, LLC	Ť		\$ 260,888	\$	130,444	\$.	•	œ		¢	İ	œ		<u></u>	i i	
Contract #006897 Lone Contract #006898 Mill I Contract #007006 Harr Contract #006997 Fletc Contract #006997 Elk E Contract #D06125-B Elk E Contract #002024 Norti Contract #003983 Jacc Contract #003984 Jacc	one Hickory lill Dam Creek arrell Site	11	Yadkin		\$	E10 246						\$ -	\$	130,444	Φ	-	Ф		\$	913,108	
Contract #006898 Mill II Contract #007006 Harr Contract #006997 Fletc Contract #D06046-A Loga Contract #D06125-B Elk E Contract #002024 Norti Contract #003983 Jacc Contract #003984 Jacc	lill Dam Creek arrell Site	11		Wildlands Engineering Inc		519,246	\$ 389,435	\$	649,058	\$ 259,	323	\$ -	\$	129,812	\$	-	\$	-	\$	1,947,174	;
Contract #007006 Harri Contract #006997 Fletc Contract #D06046-A Loga Contract #D06125-B Elk E Contract #002024 Nortl Contract #003983 Jaco Contract #003984 Jaco	arrell Site		Yadkin	Wildlands Engineering, Inc.	\$	-	\$ 837,541	\$	628,156	\$. ;	\$ -	\$	628,156	\$	418,771	\$ 2	209,385	\$	2,722,009	;
Contract #006997 Fletc Contract #D06046-A Loga Contract #D06125-B Elk E Contract #002024 Nort Contract #003983 Jacc Contract #003984 Jacc	letcher Site	14		KCI Associates of NC	\$	514,800	\$ -	\$	-	\$. !	\$ -	\$	-	\$	514,800	\$ 6	686,400	\$	1,716,000	;
Contract #D06046-A Loga Contract #D06125-B Elk E Contract #002024 Norti Contract #003983 Jaco Contract #003984 Jaco			Jackson	EW Solutions, LLC	\$	42,367	\$ 169,469	\$	127,101	\$. ;	\$ 127,101	\$	84,734	\$	84,734	\$	-	\$	635,506	;
Contract #006125-B EIk E Contract #002024 Nort Contract #003983 Jaco Contract #003984 Jaco	ogan Creek	14	Henderson	EW Solutions, LLC	\$	798,300	\$ -	\$	598,725	\$. ;	\$ 598,725	\$	399,150	\$	-	\$ 1	199,575	\$	2,594,475	;
Contract #002024 Norti Contract #003983 Jacc Contract #003984 Jacc		14	Jackson	Michael Baker Engineering, Inc Michael Baker Engineering,	\$	-	\$ -	\$	47,403	\$. !	\$ -	\$	-	\$	47,403	\$	-	\$	94,805	4
Contract #003983 Jaco Contract #003984 Jaco	lk Branch	13	Mitchell	Inc	\$	-	\$ 10,000	\$	-	\$	- ;	\$ -	\$	-	\$	-	\$	-	\$	10,000	4
Contract #003984 Jaco	orth Fork Mountain Creek	12	Catawba	Resource Environmental Solutions, LLC	\$	-	\$ -	\$	55,953	\$. !	\$ -	\$	-	\$	55,953	\$	-	\$	111,905	4
	acobs Ladder	9	Rowan	KCI Associates of NC	\$	-	\$ -	\$	69,584	\$. !	\$ -	\$	-	\$	139,167	\$	-	\$	208,751	4
Contract #003991 601	acobs Landing	9	Rowan	KCI Associates of NC Environmental Banc &	\$	-	\$ -	\$	63,849	\$. !	\$ -	\$	-	\$	127,699	\$	-	\$	191,548	4
	01 North II	10	Union	Exchange, LLC	\$	-	\$ -	\$	112,143	\$. !	\$ -	\$	-	\$	-	\$		\$	112,143	4
Contract #003990 Town	own Creek	10	Stanly	Michael Baker Engineering, Inc	\$	-	\$ -	\$	49,840	\$. !	\$ -	\$	-	\$	49,840	\$	-	\$	99,680	4
Contract #003277 UT to	T to Town Creek	10	Stanly	Michael Baker Engineering, Inc Environmental Banc &	\$	-	\$ -	\$	192,090	\$	- ;	\$ -	\$	-	\$	192,090	\$	-	\$	384,180	4
Contract #004644 Pee	ee Dee Stream	10	Union	Exchange, LLC Michael Baker Engineering,	\$	-	\$ -	\$	107,100	\$. !	\$ -	\$	-	\$	107,100	\$	-	\$	214,200	4
Contract #004641 Brow	rown Creek Tributaries	10	Anson	Inc	\$	-	\$ -	\$	140,100	\$	- ;	\$ -	\$	-	\$	140,100	\$	-	\$	280,200	4
Contract #004642 Hope	opewell	8	Randolph	Wildlands Engineering, Inc.	\$	-	\$ 120,810	\$	-	\$	- ;	\$ -	\$	120,810	\$	-	\$		\$	241,620	ę
Contract #002029 Little	ittle Buffalo Creek	10	Cabarrus	Louis Berger Environmental Banc &	\$	-	\$ -	\$	92,550	\$	- ;	\$ -	\$	-	\$	92,550	\$		\$	185,100	ę
Contract #003979 June	unes Branch	14	Jackson	Exchange, LLC Environmental Banc &	\$	-	\$ -	\$	59,850	\$. !	\$ -	\$	-	\$	-	\$	-	\$	59,850	Ę
Contract #004672 Popl	oplin Ridge Site	10	Union	Exchange, LLC	\$	-	\$ -	\$	105,341	\$	- !	\$ -	\$	-	\$	105,341	\$		\$	210,682	Ę
Contract #004673 Nork	orkett Branch	10	Union	Wildlands Engineering, Inc. Environmental Banc &	\$	-	\$ -	\$	165,102	\$	- ;	\$ -	\$	-	\$	165,102	\$	-	\$	330,205	Ę
Contract #004925 601	01 East	10	Union	Exchange, LLC	\$	-	\$ -	\$	64,904	\$. !	\$ -	\$	-	\$	64,904	\$	-	\$	129,809	ţ
	ile Creek	11	Alleghany	Wildlands Engineering, Inc.	\$	168,450	\$ 168,450	\$	84,225	\$. !	\$ -	\$	-	\$	33,690	\$	-	\$	454,815	ţ
Contract #005782 2984	enry Fork (Only Stream is 984)	12	Catawba	Wildlands Engineering, Inc.	\$	-	\$ -	\$	32,488	\$. !	\$ -	\$	-	\$	32,488	\$	-	\$	64,976	ę
Contract #005786 Rose	oses Creek	13	Burke	ICA Engineering, Inc.	\$	-	\$ -	\$	39,990	\$.	\$ -	\$	-	\$	39,990	\$	_	\$	79,980	į
Contract #006402 John	ohn Deere	13	Rutherford	Resource Environmental Solutions, LLC	\$	369,915	\$ 158,535	\$	105,690	\$ 105,	90	\$ -	\$	-	\$	52,845	\$	-	\$	792,675	
Contract #006598 Ceda																					
	edar Branch	8	Randolph	KCI Associates of NC	\$	-	\$ -	\$	270,900	\$ 361,	200	\$ -	\$	-	\$	90,300	\$		\$	722,400	(

Full Delivery Contracts (page 3)

		SFY 2	017 / 18			SFY 201	8 / 19		
Full Delivery - Payments for New Contracts to be Awarded SFY 2017 / 18 / SFY 2018 / 19 (Includes Bank Credit Purchases)		Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
Subtotal Full Delivery - Payments for New Contracts	\$ 1,200,000	\$ 145,000	\$ 6,250,000	\$ 4,200,000	\$ 6,000,000	\$ 7,400,000	\$ 5,100,000	\$ 4,000,000	\$ 34,295,000

		SFY 2	017 / 18			SFY 201	8 / 19		
Full Delivery Total	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
	\$ 5,767,597	\$ 5,151,226	\$ 11,338,220	\$ 4,926,513	\$ 7,607,395	\$ 11,459,217	\$ 8,170,351	\$ 5,095,360	\$ 59,515,880

Monitoring / Maintenance, Repair and Equipment Contracts

Monitoring

								SFY 2	017	/ 18						SFY 201	8 / 19					
Monitoring - Cur	rent Contracts				Qua	arter #1	Qı	uarter #2	Q	uarter #3	Qı	uarter #4	Qua	rter #5	Qu	arter #6	Qua	rter #7	Qu	arter #8	Total	
Contract Number	Site Name	Division	County	Consultant																		l
Contract #005765	Stallings (G)	2	Jones	Robert J. Goldstein & Associates	\$	-	\$	2,785	\$	_	\$	-	\$		\$	2,785	\$	-	\$	2,785	\$ 8,355	6
Contract #004801	Greenbrier Creek	7	Chatham	Axiom Environmental, Inc.	\$	-	\$	-	\$	6,296	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 6,296	6
Contract #004682	Sandy Creek (Charles Williams)	8	Randolph	Sungate Design Group, PA			\$	-	\$	1,680	\$	-	\$	-	\$	18,066	\$	-	\$	12,044	\$ 31,790	6
Contract #005367	Meredell Farm Site	8	Randolph	SEPI Engineering & Construction, Inc.	\$	1,080	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 1,080	64
Contract #005715	Bear Creek (Phillips Tract)	8	Chatham	Axiom Environmental, Inc.	\$	-	\$	5,545	\$	-	\$	2,772	\$	-	\$	5,545	\$	2,272	\$	2,272	\$ 18,406	6
Contact#006604	Heath Dairy	8	Randolph	Mogensen Mitigation, Inc.	\$	3,250	\$	9,750	\$	-	\$	3,250	\$	-	\$	9,750	\$	-	\$	3,250	\$ 29,250	6
Contract #D16025i	Bowman Site	8	Randolph	Carolina Silvics	\$	-	\$	1,397	\$	-	\$	-	\$	-	\$	699	\$	-	\$	-	\$ 2,096	6
Contract #004804	UT to Hauser Creek	9	Davie	Axiom Environmental, Inc.	\$	3,061	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 3,061	68
Contract #006617	Crooked Creek II	10	Union	Wildlands Engineering, Inc.	\$	8,113	\$	14,135	\$	-	\$	-	\$	8,113	\$	14,135	\$	-	\$	8,113	\$ 52,609	69
Contract #006844	Little Pine III	11	Alleghany	Wildlands Engineering, Inc.	\$	-	\$	14,500	\$	-	\$	7,250	\$	-	\$	14,500	\$	-	\$	7,250	\$ 43,500	7(
Contract #006843	Glade Creek II	11	Alleghany	Wildlands Engineering, Inc.			\$	11,700	\$	-	\$	5,850	\$	-	\$	11,700	\$	-	\$	5,850	\$ 35,100	7
Contract #004538	Newfound Creek	13	Buncombe	URS	\$	4,760	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 4,760	7:
Contract #006496	Hogan Creek	11	Surry	Wildlands Engineering, Inc.	\$	-	\$	11,200	\$	-	\$	5,600	\$	-	\$	11,200	\$	-	\$	5,600	\$ 33,600	7:
Contract #005764	Suther	10	Cabarrus	Robert J. Goldstein & Associates	\$	2,112	\$	-	\$	-	\$	6,338	\$	-	\$	-	\$	7,770	\$	-	\$ 16,220	7.
Contract #005717	UT Martin Creek/Martin II	14	Cherokee	Axiom Environmental, Inc.	\$	-	\$	15,477	\$	-	\$	8,027	\$	-	\$	15,477	\$	-	\$	-	\$ 38,981	7
Contract #004391	McKee	10	Cabarrus	Withers and Ravenel	\$	-	\$	4,971	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 4,971	76
Contract #006036	Five Mile Branch	12	Iredell	Arcadis	\$	3,748	\$	-	\$	11,244	\$	3,748	\$	-	\$	3,748	\$	-	\$	-	\$ 22,488	7
Contract #004803	Mill Creek (Formerly Uwharrie Heritage)	8	Randolph	Axiom Environmental, Inc.	\$	6,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 6,000	7
Contract #004661	Big Harris	12	Cleveland	Western Carolina Univ.	\$	6,053	\$	6,053	\$	4,096	\$	4,096	\$	5,537	\$	6,515	\$	6,515	\$	6,515	\$ 45,380	7
		Subtotal	l Monitorin	g - Current Contracts	\$	38,177	\$	97,513	\$	23,316	\$	46,931	\$	13,650	\$	114,120	\$	16,557	\$	53,679	\$ 403,943	

								SFY 2	017 / 18						SFY 20	18 / 19			
Monitoring - New	Contracts to be awarde	d SFY 2	017 / 18 / S	FY 2018 / 19	Qua	arter #1	Quart	er #2	Quarte	r #3	Qua	arter #4	Quarter	# 5	Quarter #6	Quarter	#7	Quarter #8	Total
Monitoring ²	Statewide	Multiple	Statewide	Undetermined	\$	7,000	\$	-	\$	-	\$	1,400	\$ 3	900	\$ 6,000	\$ 40	,000	\$ 28,500	\$ 86,800
																			\$ -
		Subt	otal Monite	oring- New Contracts	\$	7,000	\$		\$	-	\$	1,400	\$ 3	900	\$ 6,000	\$ 40	,000	\$ 28,500	\$ 86,800

			SFY 2	017 / 18			SFY 201	18 / 19		
Monitoring - Total	Q	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
2017 - 2018 DMS Biennial Budget			8 of 15							4/1/2017
	\$	45,177	\$ 97,513	\$ 23,31	6 \$ 48,33	1 \$ 17,550	\$ 120,120	\$ 56,557	\$ 82,179	\$ 490,743

Monitoring / Maintenance, Repair and Equipment Contracts (page 2)

Maintenance, Repair and Equipment

								SFY 2	017 / 18							SFY 201	8/1	19			<u> </u>		_
Maintenance, F	Repair and Equipment - C	urrent Co	ontracts		Qu	arter #1	Quart	ter #2	Quarte	er #3	Qua	rter #4	Q	uarter #5	Qı	uarter #6	Q	uarter #7	Qua	rter #8		Total	
Contract Number	Site Name	Division	County	Consultant																			
Contract #D14004i	Veg Install & Management	Multiple	Statewide	Keller Environmental	\$	2,250	\$	2,250	\$	-	\$	-	\$	2,250	\$	2,250	\$	-	\$	-	\$	9,000	80
Contract #D16005i	InvasiveManagement	Multiple	Statewide	Carolina Silvics	\$	7,750	\$ 1	12,450	\$	9,300	\$	7,750	\$	-	\$	-	\$	-	\$	-	\$	37,250	81
Contract #D16002i	Veg Install & Management	Multiple	Statewide	Bruton Natural Systems	\$	5,300	\$ 1	13,500	\$		\$		\$	11,000	\$	-	\$	-	\$	-	\$	29,800	82
																			Ī				
	Maintenance, Repair and	Equipme	ent - Curre	nt Contracts Subtotal	\$	15,300	\$ 2	28,200	\$	9,300	\$	7,750	\$	13,250	\$	2,250	\$	-	\$	-	\$	76,050	

								SFY 2	017 /	/ 18						SFY 201	8 / 19)			
Maintenance, Rep	pair and Equipment - Ne	w Contr	acts to be	awarded	Qu	arter #1	Qı	uarter #2	Qı	uarter #3	Qu	arter #4	Quarte	r #5	Qi	uarter #6	Qu	arter #7	Quai	rter #8	Total
Maintenance and repair ³	Multiple	Multiple	various	tbd	\$	30,000	\$	40,000	\$	25,000	\$	25,000	\$	-	\$	130,000	\$	-	\$	-	\$ 250,000
Gauges and Equipment ⁴	Multiple	Multiple	various	tbd	\$	-	\$	35,000	\$	-	\$	-	\$	-	\$	35,000	\$	-	\$	-	\$ 70,000
Functional Uplift ⁵	Multiple	Multiple	various	tbd	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$ 2	5,000	\$	25,000	\$	-	\$	-	\$ 150,000
	Maintenance, Repair a	nd Equip	ment - Ne	w Contracts Subtotal	\$	55,000	\$	100,000	\$	50,000	\$	50,000	\$ 2	5,000	\$	190,000	\$	-	\$	-	\$ 470,000

			SF	201	7 / 18			SFY 201	18 / 19		
Maintenance, Repair and Equipment - Total	Quarte	er #1	Quarter #	2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
	\$ 70	0,300	\$ 128,20	0 \$	59,300	\$ 57,750	\$ 38,250	\$ 192,250	\$ -	\$ -	\$ 546,050

		SFY 2	017 / 18			SFY 201	8 / 19		
Monitoring / Maintenance, Repair and	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
Equipment - Total									
' '	\$ 115,477	\$ 225,713	\$ 82,616	\$ 106,081	\$ 55,800	\$ 312,370	\$ 56,557	\$ 82,179	\$ 1,036,793

¹Includes any new or remaining acquisitions requiring DB / DBB implementation.

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²New Monitoring is based on projects currently in design or construction.

³Based on current maintenance cost data

⁴Equipment costs based on maintenance required for existing gauges

⁵Monitoring water quality and biological parameters pre- and post-construction. Determination of thresholds of change.

Summary of Stewardship Costs

DMS Biennial Budget State Fiscal Years (SFY) 2017 / 18 and 2018 / 19

		SFY 20	017 / 18			SFY 20	018 / 19		
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
Stewardship	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 900,000

NOTES:

The budget is based on the number of projects currently in DEQ Stewardship, the number of projects that are expected to be closed out and transferred to DEQ Stewardship in SFY 2017 / 18 and SFY 2018 / 19, and the Standard Operation Procedures agreed to by NCDEQ and NCDOT. Includes Stewardship Manager salary (85%), administration, legal and project monitoring cost.

No stewardship endowment funds are included in this biennial budget. The budget includes funds for annual stewardship activities performed by the DEQ Stewardship Program according to the contract with NCDOT. According to other terms of that contract, DEQ will be developing endowment estimates for mitigation sites during the coming fiscal year. NCDOT and DEQ will evaluate those endowment estimates and may alter the SFY 2017 / 18 budget to pay endowments for some mitigation sites.

No funds are included for stewardship of NCDOT-acquired mitigation sites.

Projects Transferred to Stewardship

Project ID	Project Name	County
92546	601 North Property	Union
	601 West Property	Union
	Adkins Branch (Phase II) (G)	Lenoir
	Allen Tract	Franklin
	Anderson Swamp	Edgecombe
92666	Badin Inn	Stanly
92106	Barnes Creek Grissom	Montgomery
	Barra Farms I	Cumberland
	Beaver Dam-Drowning Creek II (Rankin Tract)	Moore
	Beaverdam Creek	Mecklenburg
	Beaverdam Creek and Trib (Parker Site)	Union
	Big & Little Rock Creek Bruchon	Mitchell
	Big Cedar Creek	Stanly
	Big Pond Bay Gardner	Cumberland
	Bishop Tract-Canal Branch	Anson
	Blockhouse Creek	Polk
	Brown Farm	Durham
	Brown Marsh Swamp	Robeson
	Cane Creek	Person
	Cane Creek (FD)	Rutherford
	Cedar Creek Perry	Franklin
	Chowan River Harrell	Chowan
92205	Collins Site	Orange
92760	Columbus Swamp	Columbus
	Conoconnara Swamp	Halifax
	Crowns West	Onslow
	Crowther North South Yadkin River	Rowan
	Cutawhiskie creek	Hertford
	Daniels Farm #2	Franklin
	Davis Branch	Union
	Davis Tract-Yadkin River	Davie
	Deep - Horse Creek McKean	Moore
	Deep River Jordan	Moore
	Deep River M. Paschal	Moore
	Dog Bite Creek	Mitchell
	Duke Swamp	Gates
	Dutch Buffalo Creek Walker	Cabarrus
	Dutch Buffalo Creek Wickliff	Cabarrus
	Dutch Second Creek Hill	Rowan
	East Buffalo Creek	Graham
	East Tarboro Canal (G)	Edgecombe
	Elk-Shoals-Methodist Camp	Ashe
	Ellington Branch	Warren
92552	Farrar Dairy	Harnett
92558	Fisher River Fisher Peak	Surry

Projects Transferred to Stewardship

Proiect ID	Project Name	County
	Fishing Creek (Capps Tract)	Warren
92038	Fishing Creek Capps Farm	Warren
	Fishing Creek Capps Forest	Warren
	Fishing Creek Edwards 1	Nash
	Fishing Creek Green	Warren
	Fishing Creek Hall	Edgecombe
92022	Fishing Creek IP/Alston	Warren
92044	Fishing Creek Shearin	Warren
92046	Fishing Creek Sturges	Franklin
92146	Flat River-Horton Grove	Durham
92812	Flint Rock Farm #2	Rockingham
	Floogie Site	Bertie
92228	Gatlin Swamp	Martin
854	Glade Creek	Alleghany
92096	Glendon Slate Creek Paschal	Moore
92219	Gray Farm	Iredell
92152	Great Coharie-TNC	Sampson
92124	Green River Boyer	Polk
92125	Green River Ward	Polk
92142	Guthrie Tract-Shelton Creek	Granville
	Harper Tract-Swift Creek	Franklin
	Harrell Site	Edgecombe
	Hitchcock Creek McDonald	Richmond
	Holly Grove	Guilford
	Hyco Lake Bessemer	Caswell
	Jarmans Oak	Onslow
	Johnson Site (Hunting Creek)	Iredell
	Lambert Tract-Uwharrie River Bluff	Montgomery
	Langley Site-Cypress Creek	Franklin
	Len's Knob & Little Mountain	Surry
	Lester Capps Tract-Shocco Creek	Warren
	Lewis Creek	Henderson
	Lewis Tract; Little River	Randolph
	Little River Baker	Randolph
	Little River Cochran	Montgomery
	Little River Farm	Montgomery
	Little River Parker	Randolph
	Little River Walbourn	Randolph
	Little Shocco Creek O'Neal	Franklin
	Little Shocco Creek Speed	Warren
	Little Shocco Creek Tomlinson	Franklin
	Little Shocco Creek Wheless	Franklin
	Little Troublesome	Rockingham
	Little White Oak Creek	Polk
92248	Mark's Creek TESC	Wake

Projects Transferred to Stewardship

Proiect ID	Project Name	County
	Mason Farm	Hyde
	McDonald's Pond	Richmond
	McNair Tract (Turpentine; LLC)-Aycock Creek	Granville
92105	Mill Creek Steele	Surry
	Mocassin Creek (G)	Wake
	Modlin Site	Martin
	Morgan Creek	McDowell
92531	Morgan Creek (French Broad)	Haywood
	Morgan Creek Floodplain	Orange
261	Naked Creek	Wilkes
92089	New Hope Creek Penny	Orange
92090	New Hope Creek Trinity School	Orange
92151	Newton Tract-White Pines	Chatham
	Nicholls Farm (Troublesome Creek)	Bertie
92026	North Fork Upper Tar River Winslow	Granville
92611	North Muddy Creek	McDowell
	North Pacolet Childers	Polk
	Old Cove Tract-Green River-Burdett Property	Polk
	Perry Property (UT to Pembroke)	Chowan
	Pickler's Bluff	Rowan
92518	Pinch Gut Tributary	Stokes
92548	Powell Property	Bertie
	Puzzle Creek	Rutherford
	Rankin Tract	Gaston
	Reedy Creek Johnston	Warren
92134	Roanoke River-IP-Blue Sky Timber Tract 42-14	Halifax
	Roanoke River-IP-Blue Sky Timber Tract 42-15	Halifax
	Rockwell Pastures	Stanly
	Rowan Branch	Sampson
	Sandy Creek Mullen	Franklin
	Sandy Creek Parrish	Franklin
	Scaly Bark Creek Mitigation Site	Stanly
	Sevenmile Creek Camp Chestnut Ridge	Orange
	Sharpe Wetland Preservation	Rockingham
	Shelton Creek Peterson	Granville
	Shelton Creek Slaughter	Granville
	Shelton Creek Thorp/Morton	Granville
	Shelton Creek Tucker-Daniel 1	Granville
	Shelton Creek Tucker-Daniel 2	Granville
	Shocco Creek Alston 1; 2; 3	Franklin
	Shocco Creek D Davis	Warren
	Shocco Creek LLC-Little Shocco Creek	Franklin
	Silver Creek-Conway	Burke
	Simpson Wetland	Beaufort
92130	Skyuka Creek Luthi	Polk

Projects Transferred to Stewardship

	Project Name	County
	Snowbird Tributaries	Graham
92556	Stricker Branch	Cabarrus
92027	Swift/Sandy Creek A&P Timber	Franklin
92051	Swift/Sandy Creek Faulkner	Franklin
92054	Swift/Sandy Creek Young	Franklin
	Tar River Averett	Granville
92033	Tar River B Harris	Granville
	Tar River Betty Crews	Granville
	Tar River Dean	Granville
	Tar River Hodges	Franklin
	Tar River Oakley	Granville
	Tar River Pitts	Granville
	Tar River Pories	Pitt
92073	Tar River Roy Crews	Granville
92075	Tar River Sherman	Granville
92076	Tar River Sherman 2	Granville
92077	Tar River Smitherman	Granville
92524	Thompson's Fork and Tributary	McDowell
	Timberlake (Great Dismal Swamp)	Tyrrell
92528	Tributary to Reedy Fork Creek	Guilford
92347	UT Bear Creek (Weaver/McLeod property) (G)	Chatham
92598	UT to Back Creek	Orange
857	UT to Crab Creek	Alleghany
	UT to Crooked Creek/Speas Property (G)	Franklin
	UT to Goose Creek (Coats)	McDowell
92694	UT to Haw (Beckom)	Alamance
94068	UT To The Lumber River	Robeson
	Uwharrie River Bingham	Montgomery
92109	Uwharrie River Cochran	Montgomery
92110	Uwharrie River Whatley	Randolph
	Wildcat Branch	Lee
92140	William O'Neal Tract-Swift Creek	Franklin
92165	Wimberley Tract-Nat's Creek	Moore
92551	Wolf Pond	Union

CFR Planning Framework

Watershed Planning budgets traditionally focus on finding adequate, cost effective mitigation projects that will provide the optimal environmental returns for the state's mitigation investments. The 2017 / 2018 biennial budget includes funding to complete the River Basin Restoration Priority (RBRP) update process and incorporate improvements to modeling capacity. The Division has improved its River Basin Restoration Priority (RBRP) processes to realize cost efficiencies and to improve the utility of planing products. The updated process emphasizes functional analyses at variable spatial scales and data will be used to further support LWP updates within high impact Cataloging Units based upon TIP prioritization.

In addition to the previously approved CF 02/03 regional plan, DMS has incorporated funding for the development of a regional watershed plan in FB 05 in anticipation of extensive future mitigation needs in this service area.

Current Watershed Plans				SFY 20	17 / 18			SFY 2018 / 19								
(active contracts)*	Quart	ter #1	Quar	rter #2	Quarter #3		Quarter #4	Q	uarter #5	Quarter #6	Q	uarter #7	Quart	er #8		Total
Watersheds																
RBRP and existing LWP updates	\$	42,500	\$	42,500	\$ 42,50) \$	42,500	\$	42,500	\$ 20,035	\$	-	\$	-	\$	232,535
Subtotal - Project Development Current Contracts Projected Cost		42,500	\$	42,500	\$ 42,500) \$	42,500	\$	42,500	\$ 20,035	\$	-	\$	-	\$	232,535

Project Development - New Contracts	SFY 2017 / 18									SFY 2018 / 19								
Projected Cost**	C	uarter #1	ď	uarter #2	Q	uarter #3	G	Quarter #4	•	Quarter #5	C	Quarter #6	G	Quarter #7	G	uarter #8		Total
CF 02/03 Regional Plan	\$	21,250	\$	21,250	\$	42,500	\$	42,500	\$	63,750	\$	62,000	\$	25,500	\$	21,250	\$	300,000
FB 05 Regional Plan	\$	-	\$	-	\$	42,500	\$	42,500	\$	42,500	\$	42,500	\$	42,500	\$	42,500	\$	255,000
Subtotal - Project Development - New																		
Contracts	\$	21,250	\$	21,250	\$	85,000	\$	85,000	\$	106,250	\$	104,500	\$	68,000	\$	63,750	\$	555,000

				SFY 20)17	/ 18			SFY 2018 / 19								
CFR Planning Framework -	Qua	arter #1	Qu	arter #2	0	Quarter #3	Ø	uarter #4	Q	uarter #5	Qi	uarter #6	Qu	arter #7	Qi	uarter #8	Total
TOTAL																	
	\$	63,750	\$	63,750	\$	127,500	\$	127,500	\$	148,750	\$	124,535	\$	68,000	\$	63,750	\$ 787,535

NOTES:

^{*}Estimated cost includes improvements to RBRP modeling capacity and application of data to update existing LWPs.

^{**}FY 16/17 budget approved funding for CF 02/03 Regional Plan. Previously approved contingency funds are being applied to FB 05 Regional Plan.



RESOLUTION FOR FRANK V. AVENT

WHEREAS, the Halifax County Board of Commissioners desires to honor devoted public servant Frank V. Avent; and

WHEREAS, Frank V. Avent enjoyed a distinguished 23-year military career that included tours in Vietnam, Iceland and Germany and attained the rank of Major; and

WHEREAS, Frank V. Avent also enjoyed a distinguished career in banking that included management of branches in Hobgood, Middlesex, Bailey, Tarboro, Scotland Neck and other towns in eastern North Carolina; and

WHEREAS, Frank V. Avent is an active member and chairman of the Halifax County Economic Development Commission where his leadership is valued and appreciated by his fellow members; and

WHEREAS, Frank V. Avent is an active member and vice president of Halifax County Business Horizons Inc., where his motto, "Working together works," has become the official byline of the organization; and

WHEREAS, Frank V. Avent served as a member of the Board of Trustees of Halifax Community College and the Board of Directors of the Halifax County Convention & Visitors Bureau; and

WHEREAS, Frank V. Avent was presented the Order of the Long Leaf Pine in December 2013; and

WHEREAS, Frank V. Avent is the father of three remarkable sons and the grandfather of four grandchildren; and

WHEREAS, the Halifax County Board of Commissioners requests that a 3.7-mile section of N.C. 125 be named in his honor; and

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the portion of N.C. 125 from State Road 1100 to the Hobgood town limits as the *Frank V. Avent Highway*.

That appropriate signs will be erected at a suitable time.

Adopted, this the 29th day of June 2017 by the North Carolina Board of Transportation.

muchael S. tox



RESOLUTION FOR HENRY E. FRYE

WHEREAS, during the Regular Meeting of April 4, 2017, the Richmond County Board of Commissioners received a request from the Mineral Spring Improvement Council to name the bridge on Green Lake Road that crosses over I-73/74 in honor of Chief Justice Henry E. Frye; and

WHEREAS, in 1968, Henry E. Frye became the first African American elected to the North Carolina General Assembly in the twentieth century; and

WHEREAS, on February 3, 1983, Henry E. Frye was sworn in as the first African American on the North Carolina Supreme Court; and

WHEREAS, in 1999, Henry E. Frye was named Chief of Justice of the North Carolina Supreme Court by Governor Hunt, another first for an African-American; and

WHEREAS, Henry E. Frye retired as Chief Justice in 2000 having served on the state's top tribunal for more than 17 years; and

WHEREAS, it has been the policy of the Board of Commissioners to submit all local requests for naming of roads and bridges to the North Carolina Department of Transportation for considerations; and

WHEREAS, the Department of Transportation is the authorizing state agency charged with the responsibility for assigning road and bridge names in the State of North Carolina; and

WHEREAS, the Richmond County Board of Commissioners submits the request made by the Mineral Springs Improvement Council to name the bridge on Green Lake Road over I-73/74 in honor of Chief Justice Henry E. Frye.

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the bridge on Green Lake Road over I-73/74 as the *Henry E. Frye Bridge*.

That appropriate signs will be erected at a suitable time.

Adopted, this the 3rd day of August 2017 by the North Carolina Board of Transportation.

Muchael S. fox



RESOLUTION FOR JIMMY GOINS

WHEREAS, the Robeson County Board of Commissioners desires to honor dedicated tribal advocate and veteran Jimmy Goins; and

WHEREAS, Jimmy Goins was a 1966 graduate of Prospect High School and later served in the U.S. Army as a member of the 2nd BN 504 Infantry, 82nd Airborne Division stationed in Fort Bragg, N.C. He served one tour in Vietnam and was awarded numerous recognitions and honors, including a Purple Heart for combat wounds and the Bronze Star Medal with "V" Device for valor, denoting his heroism in service; and

WHEREAS, Jimmy Goins attended Pembroke State College and earned a bachelor's degree in business. Afterward he began his professional career where he excelled in a variety of capacities that benefited the community. The positions included working at The Fillin' Station, as county environmental health inspector and as a small business owner and farmer. He operated North Carolina Insurance Services of Red Springs and Goins Farm, where he loved raising cows; and

WHEREAS, Jimmy Goins was a humble servant for the Lumbee People and the Lumbee Tribe of North Carolina where he served on the Tribal Council and later served as the tribal chairman from 2004 until 2010. He was committed to securing a better way of life for the Lumbees through his work in housing, education, traditions and economics for veterans, the elderly and youths. He was an ardent supporter of federal recognition for the Lumbee Tribe and wholeheartedly believed in continuing the process; and

WHEREAS, the Robeson County Board of Commissioners requests that a section of N.C. 71 be named in his honor; and

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the portion of N.C. 71 from Red Hill Road to Buie-Philadelphus Road as the *Jimmy Goins Highway*.

That appropriate signs will be erected at a suitable time.

Adopted, this the 29th day of June 2017 by the North Carolina Board of Transportation.

Muchael S. fox



RESOLUTION FOR ROGER WEST

WHEREAS, the Cherokee County Board of Commissioners desires to honor committed public servant Roger West; and

WHEREAS, Roger West served honorably as District 120's representative in the North Carolina General Assembly for 18 years; and

WHEREAS, Roger West has used his intelligence, enthusiasm, knowledge and leadership skills to improve the lives, fortunes and well-being of his fellow citizens and the constituents of Cherokee County; and

WHEREAS, Roger West served the United States in the Vietnam War; and

WHEREAS, Roger West supported organizations that work to end domestic violence in Cherokee County and other causes that enriched the lives of the people and communities in North Carolina and especially in western North Carolina; and

WHEREAS, the Cherokee County Board of Commissioners requests that the bridge over the Valley River on Casino Parkway be named in his honor; and

NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names Bridge #274 over the Valley River on Casino Parkway in Cherokee County as the *Roger West Bridge*.

That appropriate signs will be erected at a suitable time.

Adopted, this the 29th day of June 2017 by the North Carolina Board of Transportation.

muchael S. tox



State Transportation Improvement Program (STIP)

The North Carolina Department of Transportation's capital improvement plan is called the State Transportation Improvement Program (STIP). The STIP identifies the construction funding and scheduling for transportation projects at the state level over a 10-year period. Although federal law requires the plan to be updated every four years, the Department proactively updates it every two years.

The Board of Transportation is scheduled to vote on the proposed 2018-2027 STIP during its August 3, 2017 meeting.

In summary, the 2018-2027 STIP contains 1,367 projects, including 344 non-highway projects, in every county across the state. It also includes 220 interstate maintenance and bridge projects, and 53 safety projects.

A draft version of the proposed 2018-2027 STIP that the board is scheduled to vote on August 3, 2017 is posted and available using the link below.

<u>State Transportation Improvement Program (STIP)</u>



NORTH CAROLINA

Department of Transportation



















DMS BIENNIAL BUDGET STATE FISCAL YEARS 2017/18 and 2018/19

Tim Baumgartner
Director, Div. of Mitigation Services, DEQ

June 28, 2017

Division of Mitigation Services

Mission: to provide cost-effective mitigation alternatives that benefit

North Carolina's water resources.

Summary

Restoration	\$ 70,943,473	90%
Administration	6,407,828	8%
Stewardship	900,000	1%
Planning Framework	787,535	1%

Biennial Total

\$ 79,038,836

Note: Biennial budget reflects operating requirements of Code of Federal Regulations as agreed with the USACE, Wilmington District

Restoration

\$ 29,022,373 Anticipated payments this biennium to fund 79 active projects.

\$ 36,620,600 Anticipated payments this biennium for new mitigation projects to support current STIP.

Stewardship

- Annual Compliance Monitoring.
 - \$900,000 budget line item.
 - Services contracted through Land Trusts.
 - Supplemented by DENR staff.

Any Questions?

Tim Baumgartner
Director
NC Division of Mitigation Services
Department of Environmental Quality
1652 Mail Service Center
Raleigh, NC 27699-1652
919-707-8543

https://deq.nc.gov/about/divisions/mitigation-services



NORTH CAROLINA

Department of Transportation



















Release of the revised Draft 2018-2027 STIP

Van Argabright
STIP & Feasibility Studies Unit

June 2017

Current timeline for 2018-2027 STIP

<u>Date</u>	<u>Activity</u>
January 4, 2017	Draft 2018-2027 STIP was released. Final STIP approval originally scheduled for June 2017.
March 28, 2017 – May 9, 2017	9 public information sessions held across the State
June 28,2017	Revised Draft 2018-2027 STIP released with enhanced schedules and additional projects
August 2017	NC Board of Transportation will be asked to approved final 2018-2027 STIP

Changes to Draft STIP (January to June)

Mode	# of additional projects	Funds added in 10 year STIP period
Highway	81	\$2.39 B
Aviation	11	\$6.7 M
Bike/Ped	20	\$22.0 M
Public Transportation	20	\$1.6 M
Ferries	1	\$18 M
Rail	10	\$107.5 M

Tier change	# of projects
Division Needs to Regional Impact	28
Regional Impact to Statewide	14

Project accelerations

348 projects accelerated





















Financial Update

As of June 2017

David Tyeryar, Chief Financial Officer

August 2, 2017

Financial Update SFYTD 2017 as compared SFYTD 2016

	N	Ionth ove	er Moi	nth		Year t	o Date	e		
Dollars in Millions	Jur	ne '17	Jui	ne '16	Ju	ne '17	Ju	ne '16	\$Cl	nange
Collections Expenditures	\$	560 577	\$	482 481	\$	5,549 5,286	\$	5,052 4,738	\$	497 548
Net Change	\$	(17)	\$	1	\$	263	\$	314	\$	(51)
					Ju	ne '17	Ju	ne '16		
Cash Balances:										
Trust Fund					\$	1,747	\$	1,433		
Highway Fund*						348		285		
Totals					\$	2,095	\$	1,717		

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

Revenue Summary June 2017 (\$ in Millions)

						Year Ov	er Ye	ar			SFY Bu	dget
	_	lune 2017	June 2016		16-2017 Actual	2015-2016 Actual		\$	%		Annual Budget	%
State & Federal Collections:												
Highway Fund *	\$	187.3	\$ 186.4	\$	2,132.1	\$ 2,047.4	\$	84.6	4%		2,048.7	104%
Highway Trust Fund *		138.1	133.3		1,497.8	1,424.2		73.6	5%		1,371.3	109%
Total State Funds		325.5	319.6		3,629.8	3,471.6		158.2	5%	\$	3,420.0	106%
Federal Funds/Participation		207.4	133.0		1,269.0	1,216.5		52.4	4%		1,257.7	101%
GARVEE Reimbusement/NCTA		26.9	29.0		650.2	363.9		286.3	-		N/A	N/A
Total	\$	559.7	\$ 481.6	\$	5,549.0	\$ 5,052.0	\$	497.0	10%	\$	4,677.7	119%
						Year Ov	er Ye	ar		l	SFY Bu	dget
	J	lune	June	20	16-2017	2015-2016				/	Annual	
* Memo		2017	2016		Actual	Actual		\$	%		Budget	%
Highway Fund & Trust Fund Details												
Motor Fuel Taxes	\$	170.3	\$ 170.7	\$	1,911.8	\$ 1,923.4	\$	(11.6)	-1%	\$	1,782.8	107%
Highway Use Tax		73.1	70.4		784.0	729.1		54.9	8%		706.6	111%
DMV/Other Revenue		77.9	76.4		914.4	807.8		106.5	13%		927.6	99%
Investment Income		4.1	 2.2		19.6	11.2		8.4	75%		3.0	N/A
Total	\$	325.5	\$ 319.6	\$	3,629.8	\$ 3,471.6	\$	158.2	5%	\$	3,420.0	106%

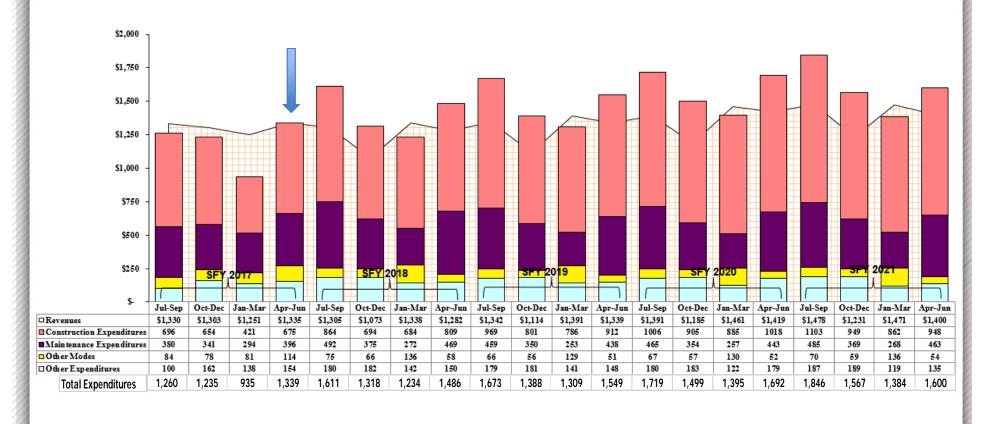
Expenditure Summary June 2017 (\$ in millions)

					Year Over Year					SFY Annual Budget	
	June	e-17	Ju	ıne-16	2016-2017 Actual	2015-2016 Actual		\$	%	2016-2017 Budget	%
State & Federal Funded Programs:											
Construction	\$	262.3	\$	201.6	\$ 2,351.1	\$ 2,024.7	\$	326.4	16%	\$ 2,304.7	102%
Maintenance		138.2		138.7	1,322.5	1,251.1		71.4	6%	1,293.0	102%
Public Transportation		4.8		4.6	113.6	119.5		(5.9)	-5%	126.9	90%
Other Modal/Other Programs		29.7		15.7	164.3	140.6		23.7	17%	231.9	71%
Administration		94.0		94.6	272.7	293.0		(20.3)	NA	316.9	86%
Municipal Aid		-		-	147.2	147.8		(0.6)	0%	147.5	100%
Transfers to Other Agencies		3.8		3.9	45.6	45.5		0.1	NA	47.3	96%
Total Expenditures	\$	532.8	\$	459.1	\$ 4,417.0	\$ 4,022.2	\$	394.8	10%	\$ 4,468.2	99%
GARVEE/NCTA/Special Iniatives	\$	44.1	\$	22.0	\$ 868.8	\$ 715.7	\$	153.1		209.5	
Total	\$	576.9	\$	481.0	\$ 5,285.8	\$4,737.9	\$	547.9		4,677.7	

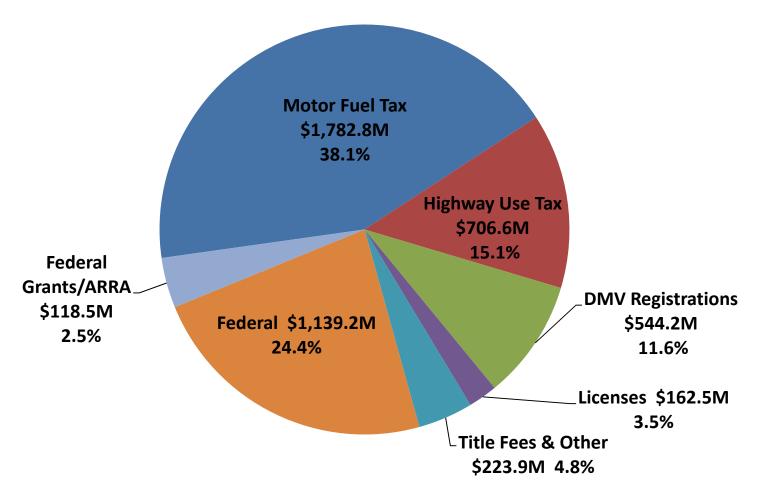
Revenue and Expenditure Variances as of June 2017

REVENUES		
State & Federal Funded Programs:	Variance >5%	Reason for Variance
Highway Use Tax	11%	Car sales have continued to rise because of buying incentives.
Motor Fuel Tax	7%	Motor fuel consumption is up because of higher diesel consumption
EXPENDITURES State & Federal Funded		
Programs:	Variance >5%	Reason for Variance
Other Modal/Other Programs	<29%>	1)Received more proceeds for the sale of Charlotte Gateway Station than anticipated, thereby reducing net costs of the Charlotte Passenger Station. 2) Freight Rail & Railroad Crossing Safety money was not expended before June 30th. 3) State money that was not expended by June 30th, non-reverting funds.
Administration	<14%>	Admin is down due to the IT carryforward. FY16 IT carryforward was \$61.4M.
Public Transportation	<10%>	Financial update is thru June and PT is still processing claims for SFY2017 thru July 31st

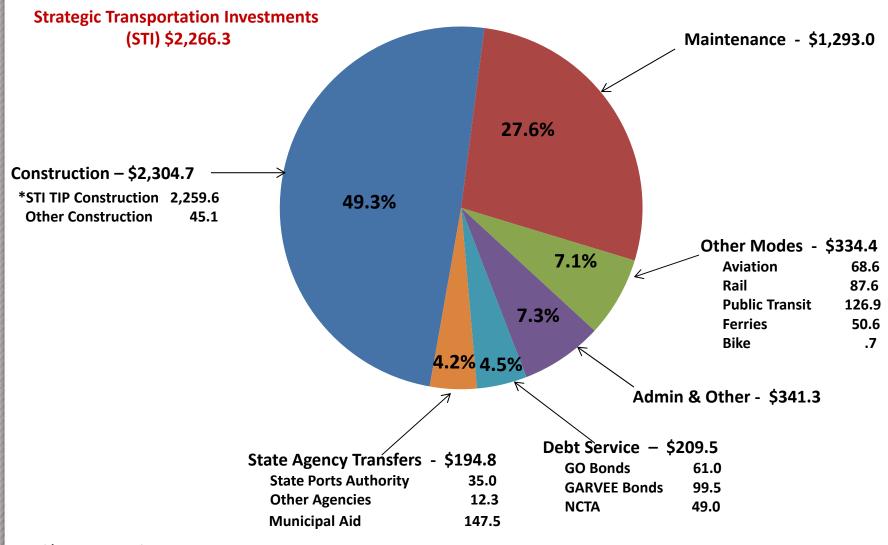
60 Month Revenue & Expenditure Projections as of June 2017



NCDOT Revenue Sources SFY2017 - \$4.7 Billion

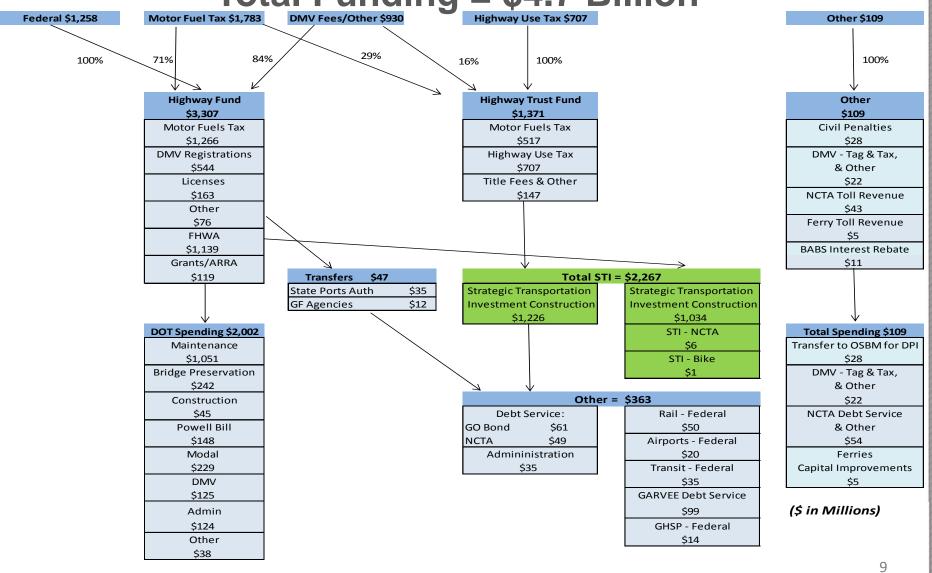


Uses of 2016-17 NCDOT Appropriations Total Funding = \$4.7 Billion

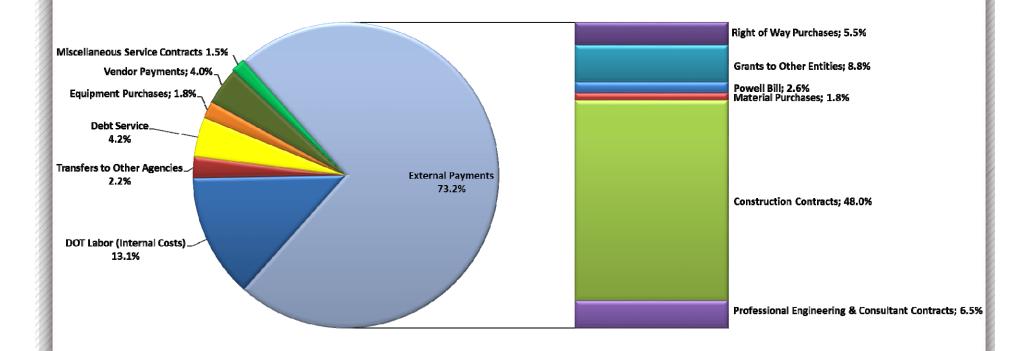


(\$ in millions)

SFY2017 NCDOT Sources and Uses Total Funding = \$4.7 Billion



NCDOT Expenditures SFY2017 as of June 30, 2017





North Carolina Department of Transportation Transportation Program Management Unit - Value Management Innovative Technologies and Products Awareness Report August 2, 2017

TECHNOLOGY INNOVATION - Non-Motorized Volume Data Program

There is currently no extensive practice for counting bicycle and pedestrian traffic in any DOT across the USA. The NCDOT Bicycle and Pedestrian Division partnered with Research and Development Office and Institute for Transportation Research and Education (ITRE) to come up with a Non-Motorized Volume Data Program (NMVDP). They opted to use Eco-Counter products - a company that provides a range of automated pedestrian and cycling counting systems. For more information: http://www.eco-compteur.com/en.

These sensors count pedestrians and cyclists and include the direction of travel for their data collection. They are installed above and below ground as needed for accurate counting at the selected location. The data collection system was piloted in Divisions 7 and 9 in the Triad region. Two years of complete data has been collected.



Figure 7. Example site diagram; aerial image shows location of equipment and sensors, labeled facilities, and is oriented north.

The data collected can be used when determining funding and needs for bicycle and pedestrian transportation projects. The data assists in project planning, aids in project monitoring and performance measurement, provides analytical processes and supports trend analysis.

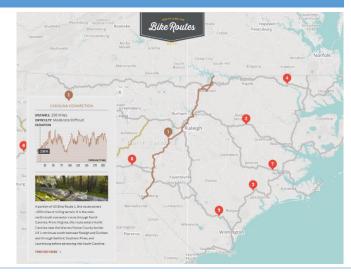
Presently, the Department can only rely on qualitative, subjective, and limited crash data to further the bicycle and pedestrian transportation programs. By having accurate data on all modes of transportation, the Department can better make decisions for current and upcoming transportation needs by reviewing comprehensive counting data.

A full copy of the report can be found: https://itre.ncsu.edu/wp-content/uploads/2016/05/Phase-I-Report.pdf.

TECHNOLOGY HIGHLIGHT – NC BikeWays

NC BikeWays provides an interactive website to allow you to explore bike routes across North Carolina. There are nine (9) routes that can be followed of varying difficulties. Through NC Bike Ways you can gather information on elevation, distance, difficulty, and a description of the route. The website also allows you to download turn-by-turn directions from various locations along the selected route.

The next phase of the NC Bike Ways website is to have interactive, voice directed turn-by-turn directions provided through GPS. This will allow the user to effortlessly and safely follow their selected trip. Plan your trip at https://www.ncdot.gov/bikeped/ncbikeways/.





North Carolina Department of Transportation Transportation Program Management Unit - Value Management Innovative Technologies and Products Awareness Report June 28, 2017

PRODUCT INNOVATION – PATTERN MASKING & PERFORMANCE PAVEMENT MARKINGS

Pattern masking is a black surface coating applied to a pavement surface when traffic patterns for work zones are revised. The masking covers the entire surface to provide a high-contrasting uniform surface to apply the new yellow and white performance lines as seen in the image below.



The placement of performance pavement markings on top of the pattern masking allows for clear lane delineations for drivers in work zones. The use of pattern masking eliminates the need to remove existing pavement markings using mechanical grinding, which may damage the roadway surface and create confusing pavement markings, as seen in the image below.



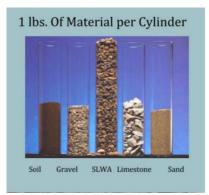
Requirements for the system include:

- A pavement masking thickness of 20 mil to ensure a 12-month service life (typical revised traffic pattern timeframe);
- A matte/non-glossy finish application to prevent glare
- Appling the masking in 6' minimum widths to ensure a uniform application in a lane;
- UV resistance (black color must not fade before 12 months);
- No Volatile Organic Compounds (VOCs) or petroleum;
- The ability to be resurfaced without removal of the masking and markings.

The pavement masking and performance pavement marking system was first field tested on the US 17/74 project in Wilmington. Lessons learned from the field test have resulted in adjustments which provide enhanced performance. NCDOT now requires this product in all Design-Build interstate projects to improve safety for motorists and workers in addition to saving time and money through the quick application process.

NCDOT is the first state to use this pavement masking and performance marking system. It was developed by Mr. Steve Kite, P.E. of NCDOT's Work Zone Traffic Control Unit and Magnolia Advanced Materials, Inc.

PRODUCT HIGHLIGHT – STALITE LIGHTWEIGHT AGGREGATE



Stalite Lightweight Aggregate (SLWA) is produced primarily in Gold Hill, NC. Through a 2200°F heating process, slate rock is expanded to produce a high quality aggregate that is structurally strong, durable, and environmentally friendly. This lower-weight aggregate product can save material, labor, and transportation costs. It is used as a component in various highway construction applications including: asphalt surface treatments, concrete bridge decks, retaining wall backfill, and slope and subgrade stabilization.

For more information, including images of project locations in NC, follow the link to their website: http://www.stalite.com

REVISIONS TO THE 2016-2025 STIP HIGHWAY PROGRAM STIP ADDITIONS

DIVISION 10

* U-6084 MECKLENBURG PROJ.CATEGORY REGIONAL

NC 16 BROOKSHIRE BOULEVARD), NC 16 (BROOKSHIRE BOULEVARD) AT SR 2004 (MOUNT HOLLY HUNTERSVILLE ROAD). CONSTRUCT

INTERSECTION IMPROVEMENTS.

NEW PROJECT ADDED. ECONOMIC DEVELOPMENT

PROJECT.

STIP MODIFICATIONS

DIVISION 5

U-4916 SR 1165 (BECKFORD DRIVE), HARRISON STREET TO **VANCE** NORTH PARK DRIVE IN HENDERSON. WIDEN TO PROJ.CATEGORY THREE LANES WITH CURB AND GUTTER, STORM

TRANSITION DRAINAGE, AND SIDEWALKS.

PER DIVISION OFFICE REQUEST, DELAY CONSTRUCTION FROM FY 17 TO FY 18

DIVISION 12

* EB-5788 STATESVILLE, SHELTON AVENUE MULTI-USE PATH, **IREDELL** GARNER BAGNAL BOULEVARD TO AMITY HILL ROAD. CONSTRUCT GREENWAY. PROJ.CATEGORY

DIVISION CONSTRUCTION FUNDING REMOVED AND USED FOR

PRELIMINARY ENGINEERING

CONSTRUCTION FY 2018 -\$679,000 (HP)

FY 2019 -

CONSTRUCTION FY 2018 -

FY 2018 -\$170,000 (L)

\$849,000

\$3,000,000 (T)

\$3,000,000 (T)

\$6,000,000

ENGINEERING FY 2018 -\$402,000 (STBGDA)

FY 2018 -\$101,000 (L)

RIGHT-OF-WAY FY 2019 -\$201,000 (STBGDA)

FY 2019 -\$50,000 (L)

\$754,000

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

^{*} INDICATES FEDERAL AMENDMENT

STIP Handout

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

		T T T T T T T T T T T T T T T T T T T	1	1	1					1	
STIP#	Transit Partner	DESCRIPTION	match	FUND	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)
TG-6187	City of Asheville (ART)	Mountain Projects (Haywood County) New Deviated Fixed Route-Capital. Add JARC funding for FY 2018	FUZ	5307		58					
10-0167		101 11 2018		3307		14					
TO-6144	City of Asheville (ART)	Mountain Projects (Haywood County) New Deviated Fixed Route-Operations. Add JARC funding for FY 2018	Local	5307		58					
			Local	L		58					
TA-6681	Chapel Hill Transit	Bus Replacement Project- CMAQ	FUZ	5307		1094					
			Local	L		274					
TA-6682	GO Durham Transit	Bus Replacement	FUZ	5307		400					
			Local	L		100					
TA-6683	Chatham County Transit	Transit Service Improvements along the US 15-501 Corridor between Pittsboro and Chapel Hill 30-35 ft HD Low Floor Transit Bus	FUZ	5307		400					
			Local	L		100					
TA-6684	Greensboro Transit Authority	Electric Replacement Buses (FY18-19)	FUZ	5307		3854					
			Local	L		964					

MODIFICATIONS to the Transit 2016-2025 STIP

STIP#	Transit Partner	DESCRIPTION	match	FUND	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)
	City of Asheville	Asheville Redefines Transit-									
TD-5282	(ART)	Transit Station Renovation.	FBUS	5339		214					
			Local	L		750					

ADMINISTRATIVE MODIFICATIONS to the Transit 2016-2025 STIP

					FY17	FY18	FY19	FY20	FY21	FY22	FY23
STIP #	Transit Partner	DESCRIPTION	match	FUND	(000)	(000)	(000)	(000)	(000)	(000)	(000)
	Transportation										
TA-6676	Lincoln County	Purchase Expansion Vehicle	Fed	FNU		56					
			Local	L		7					
			Local	T		7					

Item I-1B, 8 Projects, Total Federal/State funds \$6,141,000



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS MEETING MINUTES

DATE:	5/31/17	TIME:	4:15	LOCATION:	150
				•	

MEETING CALLED BY	Chairwoman Valerie Jordan
BOARD ATTENDEES	Andy Perkins, Cullie Tarleton, Billy Clarke, Gus Tulloss, Daniel McComas

AGENDA TOPICS

1. MEETING CALL TO ORDER AND APPROVAL OF MAY 3 MINUTES – CHAIRMAN JORDAN						
DISCUSSION SUMMARY	Chairwoman Jordan reminded members of the committee that the minutes from the May 3, 2017 committee meeting were distributed for review prior to today's meeting. Chairwoman Jordan asked for a motion to approve the minutes as distributed.					
ACTIONS TAKEN	A motion to approve the May 3, 2017 EDIR committee meeting minutes as distributed was made by Mr. Cullie Tarleton and seconded by Mr. Billy Clarke. The committee approved unanimously.					

2. REVIEW OF EDIR COMMITTEE PRIORITIES – CHAIRMAN VALERIE JORDAN							
DISCUSSION SUMMARY	Chairwoman Valerie Jordan highlighted four (4) top priorities that the EDIR Committee in the coming comes. 1. Advanced Technology (consider forming an ad-hoc Technology Advisory Board) 2. Partnership with DBE & HBCU's 3. Infrastructure Connectivity (via Ports, Rail, Global TransPark, Aviation) 4. Intergovernmental relationships Chairwoman Jordan shared that the committee will focus on Tourism during the June 28 committee meeting. There will be no committee meeting in August. September's committee meeting will focus on advanced technology and goals associated with the Disadvantaged Business Enterprise, Minority Business Enterprise, Woman Business Enterprise, and the Small Professional Services Firm programs.						
ACTIONS TAKEN	No action taken						

3. DISADVANTAGED BUSINESS ENTERPRISE (DBE)/MINORITY BUSINESS ENTERPRISE (MBE) /WOMAN BUSINESS ENTERPRISE (WBE) PROGRAM UPDATE – BENNY SLOAN, OFFICE OF CIVIL RIGHTS						
DISCUSSION SUMMARY	Benny Sloan, from Office of Civil Rights, presented an update presentation on the DBE, MBE and WBE programs. Members of the committee asked several questions related to goal setting and causes for past performance that did not meet goals. Chairwoman Jordan requested information pertaining to the Small Professional Services Firm (SPSF) program for the committee to review. Additionally, prior goal attainment related to the SPSF program was requested for review by the committee too.					
ACTIONS TAKEN	. No action taken.					

Adjourned 5:13



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) AGENDA

BOARD OF TRANSPORTATION JUNE 28, 2017

TIME: 3:40

LOCATION: Room 150

Торіс	PRESENTER	Тіме
Call to Order Roll Call Declaration of Quorum Approval of May 31, 2017 Meeting Minutes	Valerie Jordan, Committee Chair	3:40pm- 3:45pm
Tourism Event Discussion	Tracy Dodson, Board Member Brandon Jones, Division 8 Engineer Louis Mitchell, Division10 Engineer Ed Greene, Division 14 Engineer	3:45pm- 4:45pm
General Economic Development Discussion	EDIR Committee Members	4:45pm- 4:55pm
Comments and Wrap up	Valerie Jordan, Committee Chair	4:55pm- 5:00pm
Adjourn	Valerie Jordan, Committee Chair	5:00pm

EDIR AGENDA June 28, 2017



NC State Freight Plan

Board of Transportation,
August 2017





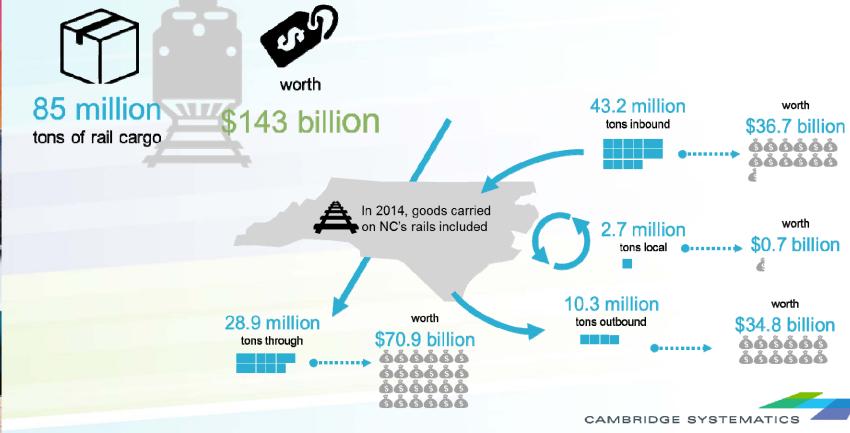
Key FAST Act Freight Provisions

- National Freight Highway Program sets aside \$167 mil. NC formula freight funds over 5 years, averaging \$33.4 mil. per year
- Must have approved State Freight Plan to access funds
- NC formula funds useable on network with 3 components:
 - Primary highway freight system: 1,034 miles of NC interstates and intermodal connectors already designated by US DOT
 - » Critical Rural Freight Corridors: 207 miles statewide, designated by NCDOT
 - » Critical Urban Freight Corridors: 103 miles statewide, designated by NCDOT, including consultation with Capital Area MPO and Charlotte Regional TPO





Freight Rail Tonnage





Freight Rail Challenges and Needs

- Maintain/improve track capacities, especially on Class II and III systems, for priority corridors
- Improve safety and strive to minimize delays.
- Improved access and service to North Carolina's ports.
- Plan for increased passenger rail demand.
- Maintain short line support programs such as the Rail Industrial Access Program and Short Line Industrial Access Program via FRRCSI funds.
- Continue efforts to partner with railroads to evaluate new/expanded intermodal facilities to help mitigate future highway congestion in urban areas





Maritime Freight Volumes





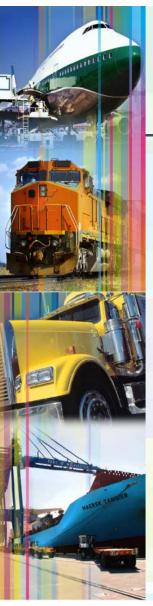
Port of Wilmington

Maritime Challenges and Needs

 On-site: Consider having separate main gate lanes to minimize processing times of freight Optimize on-site routing 	On-site:Move military operations to Radio IslandOptimize on-site routing	
 Road (same concepts for both ports): Regularly optimize traffic signals Use variable message signs to notify travelers when the at-grade crossings will be closed Create a cellphone app that updates drivers directly when the crossings will be closed 		
 Work with Wilmington Terminal Railroad to eliminate non-port freight from being handled on port property 	 Prioritize train movements through town to minimize closings of at-grade crossings Investigate having NS drop/pick up cars west of the town and short line conduct operations through town at more convenient times 	

Port of Morehead City

CAMBRIDGE SYSTEMATICS



Air Cargo Volumes





Air Cargo Challenges and Needs

- Airport access
 - » US 70 and access to GTP
 - » US 64 and US 17 access to RDU and eastern NC
 - » Rail spur at GSO
 - The I-85/I-485 interchange, which is directly northwest of the CLT campus
- Runway and facility needs
 - » Extend CLT runway to 12,000 feet
 - » RDU expanding a runway to 11,500
 - » Numerous supporting facilities at GSO aimed at enhancing air cargo handling efficiency
- Industrial development needs





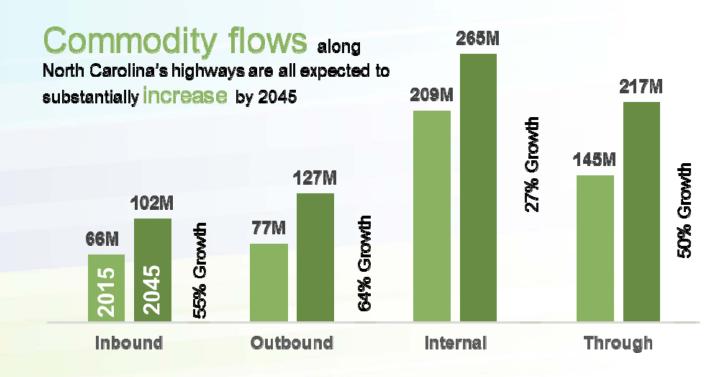
Highway Freight – 2015







Highway Freight – 2015 to 2045



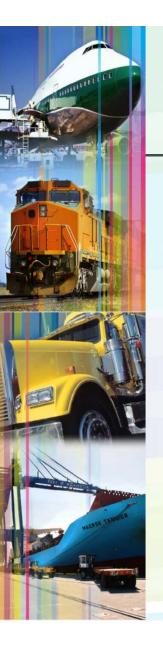




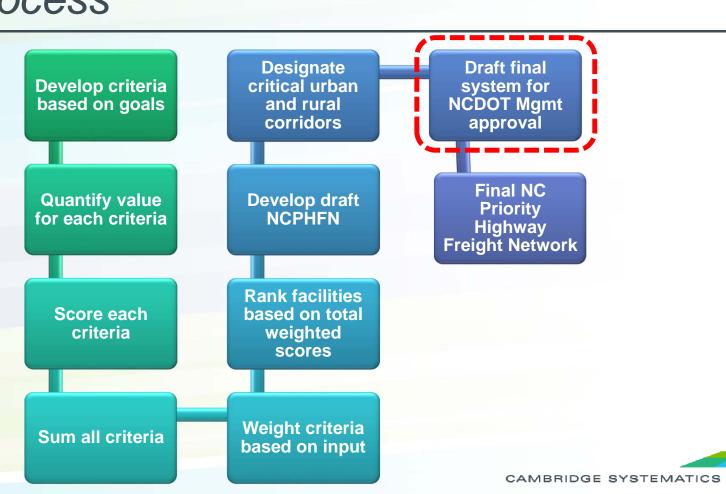
Key Challenges and Needs

- Maintain good state-of-repair and modernize the interstates
- Address capacity needs along key freight routes
- Plan for new technology
- Improve connectivity to existing and new freight terminals
- Ensure adequate, safe truck parking
- Address needs for connectors to fuel terminals





NC Highway Freight System Designation Process



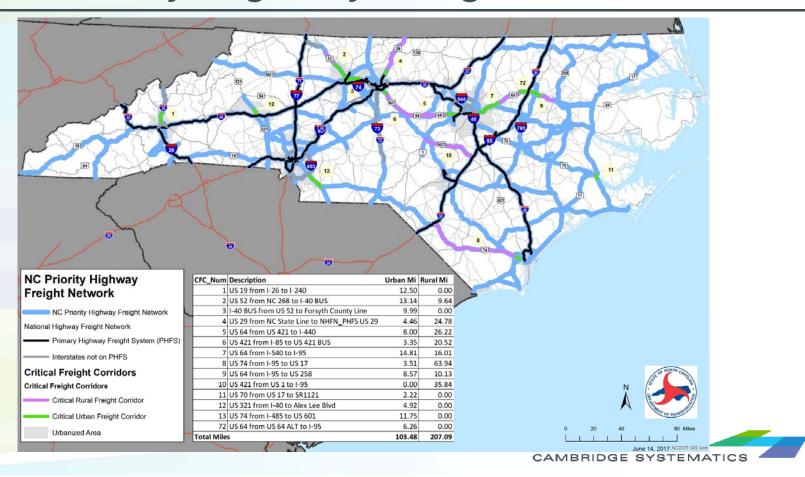


Identifying Candidate and Final Critical Urban and Rural Freight Corridors

- Meet FAST Act requirement
- Highest scoring in designation process
- Support from stakeholders
- Current STIP project



NC Priority Highway Freight Network





Freight Plan Project Identification Process

Needs Assessment

Stakeholder Input

Data analysis of existing and future conditions and demand

Project Identification

Compare existing planned projects to needs assessment

Develop strategic projects

Prioritization

Develop evaluation criteria

Screen and evaluate projects

Freight Investment Plan





Schedule

Aug 18
Draft plan
to NCDOT

Sept BOT meeting-Adoption

Oct 4 FHWA review

Dec 4 FHWA Approve





FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

DATE: May 31, 2017	IME: 4:15pm LOCATION: EIC
MEETING CALLED BY	Chairman Tony Lathrop
BOARD ATTENDEES	Tony Lathrop, David Tyeryar, Allen Moran, Jack Debnam, Mike Wells, Grady Hunt, Nina Szlosberg- Landis

AGENDA TOPICS

1. MEETING CALL TO ORDER AND APPROVAL OF JANUARY EDIR/FAST MEETING MINUTES AND MAY FAST MEETING MINUTES – CHAIR TONY LATHROP	
DISCUSSION SUMMARY	January EDIR/FAST Meeting Minutes and May FAST Meeting Minutes
ACTIONS TAKEN	Approved Unanimously

HISTORY OF FAST COMMITTEE TOPICS - CHAIR TONY LATHROP Fast Committee Topics - Tony met with Ann Dishong and Bobby Lewis pertaining to the history of topics. Creative funding ideas, talking about where they may fit in as we move in to our term on this board.P3's, tolls, equity, different kinds of debts, bonds, user fees, and special local taxes. Get the revenue forecast at a minimum on a monthly basis. See how consumption is affecting the highway use tax and watching our cash trends. Purpose and Need: (technology) Congestion, Highway use, mitigation around weaving, merging, etc. Smart vehicles travel as much as regular vehicles, however, they aren't paying their fair share of taxes, etc. More car sharing 10-15 years. Closed sessions - a lot of money needs to be looked at. Where is money coming from? Billion over right now from a cash standpoint. Need to be saving some funds. **DISCUSSION SUMMARY** Future topic - Be mindful of what should be in closed session and what should not. When is a good time to discuss what was in closed discussion should be in next closed session. Does state have any dollars or using outside PR Companies to promote or agree to policies? Like toll roads, do we have anyone to promote? Hot button issues... Need viable policy. There are strong restrictions on what we can use public funds for. Advocating is not one. You can use to present and educate. Other places they form a 501c6 or a C3 and raise public funds and that public entity will be the advocate. Done with all private sector dollars. Can't do that with public. Cash balance – David Tyeryar (slide 5) 4 Projects – Monroe Expressway, Triangle Expressway, Bonner Bridge and 485 Contribute about \$1 Billion to the cash balance. We could have burned through that cash and do irresponsible things. But we didn't. Monroe Expressway- Shut down for a year. (Slide 6) Think we are sitting on \$2 Billion but aren't. Cost went up \$90M dollars. Refinanced projects and saved 140M.



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

2. HISTORY OF FAST COMMITTEE TOPICS – CHAIR TONY LATHROP	
	We don't control when projects get caught up in litigation. If projects have gone off on time, the money would not be sitting in the cash balance. We are not sitting on excess cash. The funds have already been obligated.
ACTIONS TAKEN	N/A

3. BUDGET OVERVIEW PRESENTATION – DAVID TYERYAR	
DISCUSSION SUMMARY	Presentation - House and Senate Budget are a little different. Highway Funds, maintenance, contract resurfacing, and General is relatively the same. Budget is based on Highway fund revenue. Motor fuel tax will increase due to increase in motor fuel tax rate. Consumption is expected to drop due to higher gas prices, high fuel efficiency and slower car sales. Revenue from licenses and fees will grow due to increase in state population and growing economy. Both Senate and House eliminate \$35 million transfer to the State Ports Authority from the Highway Fund. The House decreased the revenue available by transferring \$0.20 of the certificate of title fee to the Dept. of Environmental Equality.
ACTIONS TAKEN	N/A

4. Transportation Funding – Burt Tasaico	
DISCUSSION SUMMARY	Burt Tasaico will continue the presentation at the July Committee meeting.
ACTIONS TAKEN	N/A

5. MEETING ADJOURNED	. MEETING ADJOURNED – CHAIR TONY LATHROP	
DISCUSSION SUMMARY	Chair Tony Lathrop adjourned meeting at 5:15pm	
ACTIONS TAKEN	Motion to adjourn moved by Jack Debnam and second by Allen Moran	



FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE AGENDA

BOARD OF TRANSPORTATION JUNE 28, 2017

TIME: 3:40pm-5:00pm

LOCATION: EIC

Торіс	PRESENTER	Тіме
Call to Order	Tony Lathrop, Chair	3:40pm
Roll Call		
Declaration of Quorum		
Approval of June 2017 FAST Meeting Minutes		
CFO Reports	David Tyeryar	3:45pm
Appraisal/ROW presentation	Greg Perfetti	4:00pm
Transportation Funding	Burt Tasaico	4:20pm
Adjourn	Tony Lathrop, Chair	5:00pm



NORTH CAROLINA

Department of Transportation



















Transportation Funding – Continued

Burt Tasaico, PE, State Program Analysis Engineer June 28, 2017

Current Funding State Funding SFY 2017 OF AMID RICA F41572798C F41572798C 6 Anna Escobedo Cabral PANRE DARDOR Highway Fees **Motor Fuel Tax** Use Tax 30% 50% 20%

75%
State
Funds

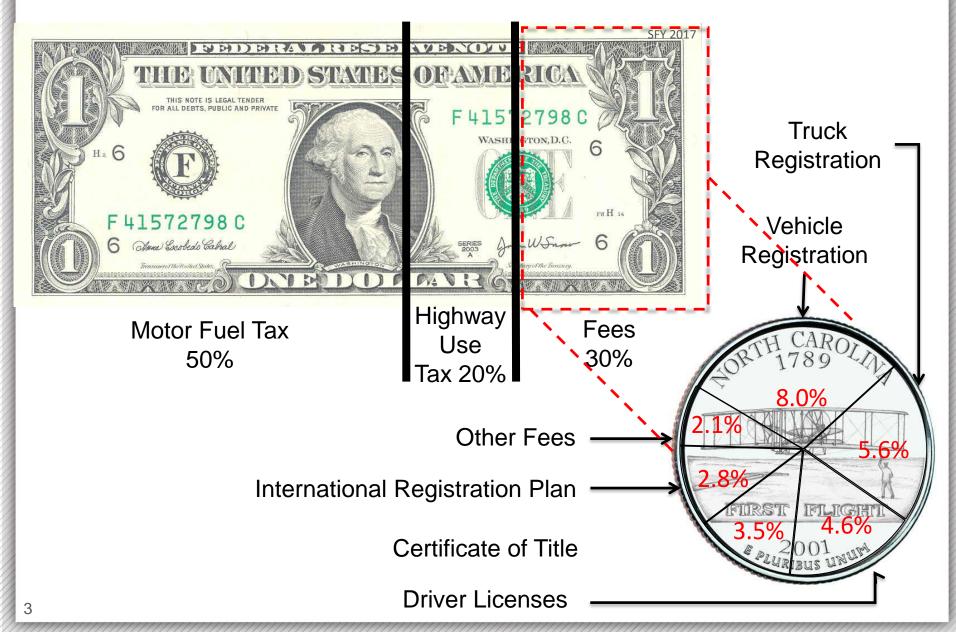
25%
Federal
Funds

- No Political Appetite for National Solutions
- Up to States to Fix

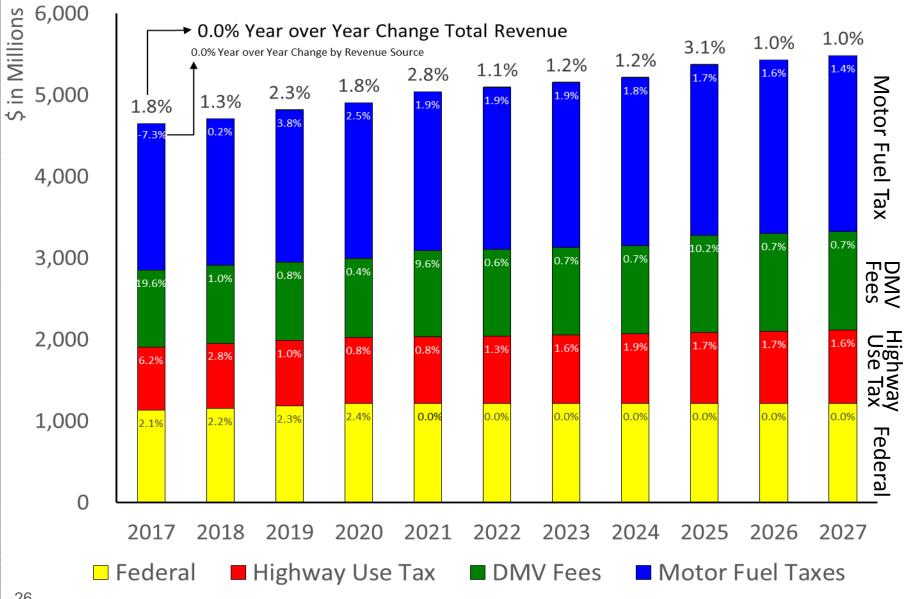


*\$143.6 billion since 2008 (through 1/2016)

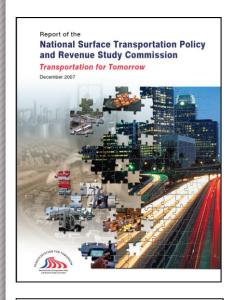
State Revenue Sources

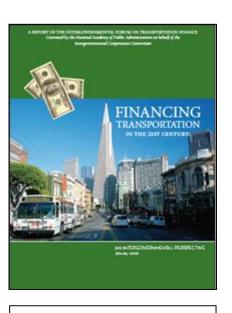


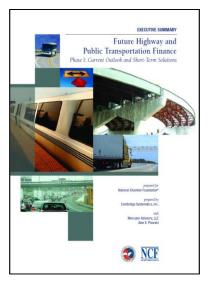
10 Year Revenue Forecast – State and Federal Sources



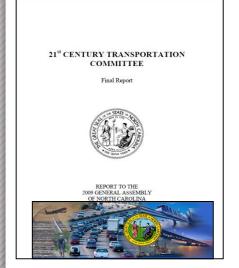
Previous Revenue Studies



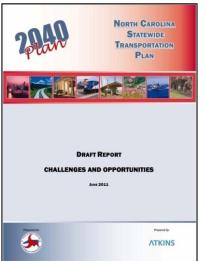




National







State

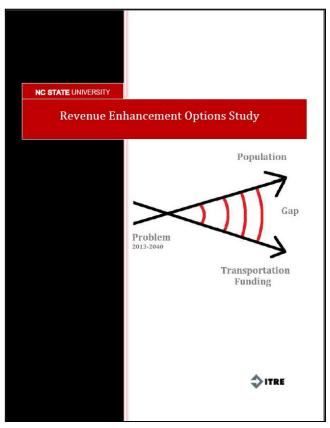
21st Century Transportation Committee - Recommendations

,	Goal: \$1 billion per year for the next 10 years	
V	Eliminate Transfers (HF and HTF)	
,	Implement VMT (Statewide and Local Option)	
Increase Highway Use Tax Rate and Class A & B ca		
	Increase Passenger Vehicle Registration Fees	
	Increase Stagger Registration Fees	
,	Consider Weight based Vehicle Registration Fees	
$\sqrt{}$	Consider Bond Referendum	
Allow Local Option Tax		
V	Implement Indexing DMV Fee Rates Structure	
	Implement Statewide Interstate Tolling	
	Implement Differential Fuel Tax Rates √Implemented	

2040 Plan - Revenue Enhancement Options

,	Revenue Option	25 Year Yield (in \$ billions)
1	Continue motor fuel tax indexing	19
$\sqrt{}$	Increase registration/license fees	6
V	Eliminate Highway Fund transfers	4
	Redirect vehicle lease fee to NCDOT	1
	Increase Highway Use Tax	3
	Local vehicle property tax	1
	Auto insurance surcharge	12
	Wholesale motor fuels tax	12
	Interstate tolling	42
	VMT Fee	27
)		√ Implemented

Recent Studies



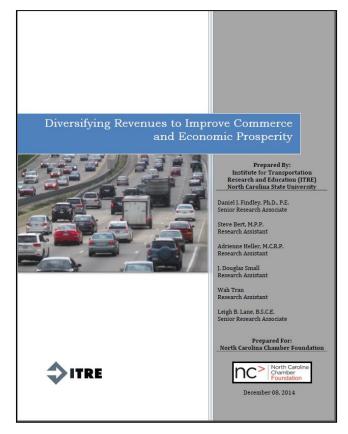
Do we have a crisis?

Do we need a paradigm shift?

What are our best options?

What are our next steps?

Annotated Bibliography Supplement



Benefits of Infrastructure Investment Infrastructure Spending Impacts Annual Driving Expenses Criteria for Ranking Revenue Options

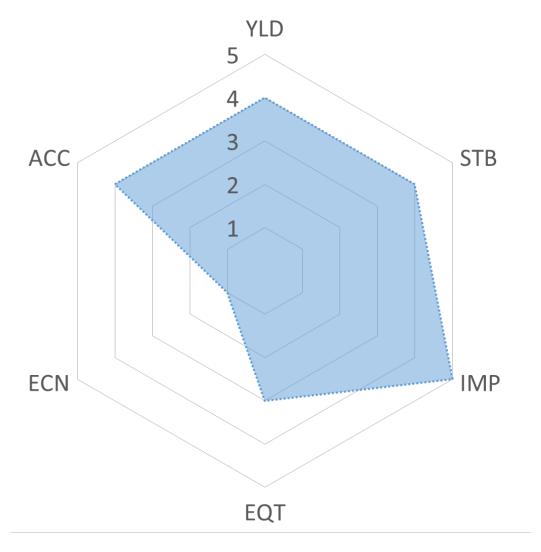
Recent Studies – ITRE Revenue Options

16 options for revenue generation in North Carolina:

- Fine-based Fees
- Heavy Vehicle Fees
- Severance Fees
- Vehicle Title, Registration, Vanity Plate Fees
- Highway Use Tax
- State Motor Fuels Tax
- Flat-rate Tolling

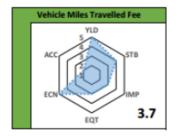
- High-Occupancy Toll Lanes
- Property Tax
- Statewide Sales Tax
- Income Tax
- Cordon Pricing (Priced Zones)
- Payroll Tax
- Advertising Revenue
- Value Capture

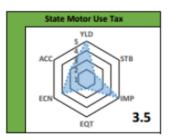
Recent Studies – ITRE Revenue Ranking Criteria



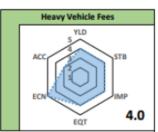
ABR	Criteria
YLD	Yield Adequacy
STB	Stability
IMP	Implementation and Administration
EQT	Equity
ECN	Economic Efficiency
ACC	Public Acceptance and Feasibility
Score	Ranked on 1 to 5 scale

Recent Studies – ITRE Revenue Options Evaluation

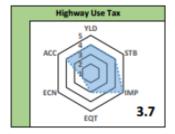




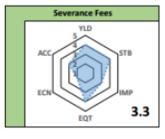


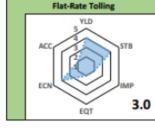








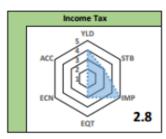


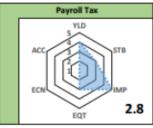


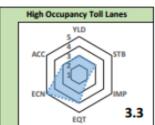


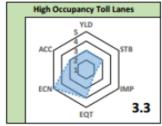
Yield Adequacy

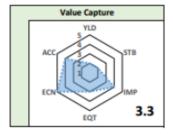






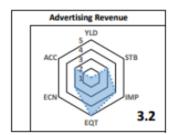












Source: Institute for Transportation Research and Education

State Revenue Sources: All

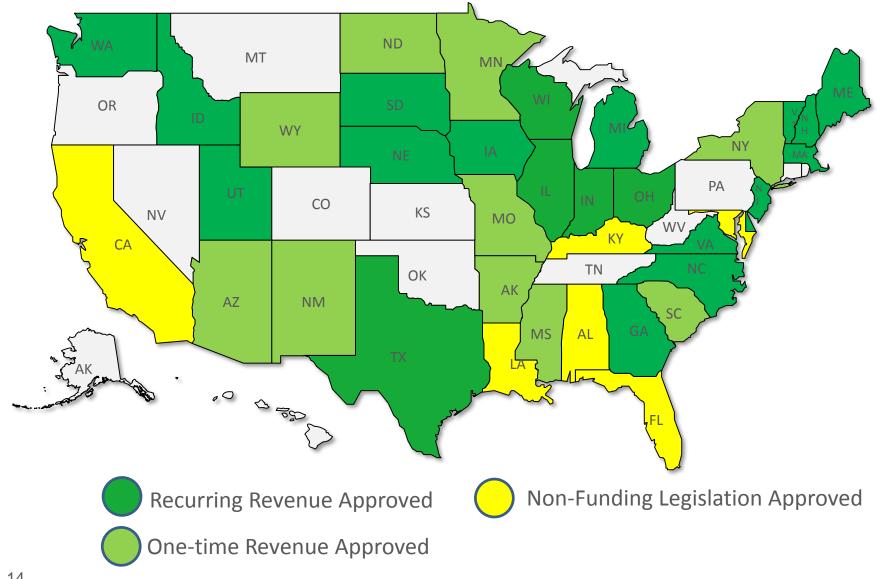
Ad Valorem Tax Impact Fees VMT fees State Lottery Parking Meters Licenses, Permits or Fees **Fines Board Funding Obligations** Sales Tax Traffic Camera Fees Public Space Revenue Master equipment lea Mineral Fees sale of excess land petroleum Products tax Excise Tax (local) Vehicle Inspection Fees Congestion Pricing Sales Taxes (Gas) Container Fee Oil Company Taxes Motor Vehicle Sales T Fares

States are Seeking Transportation Funding and Finance

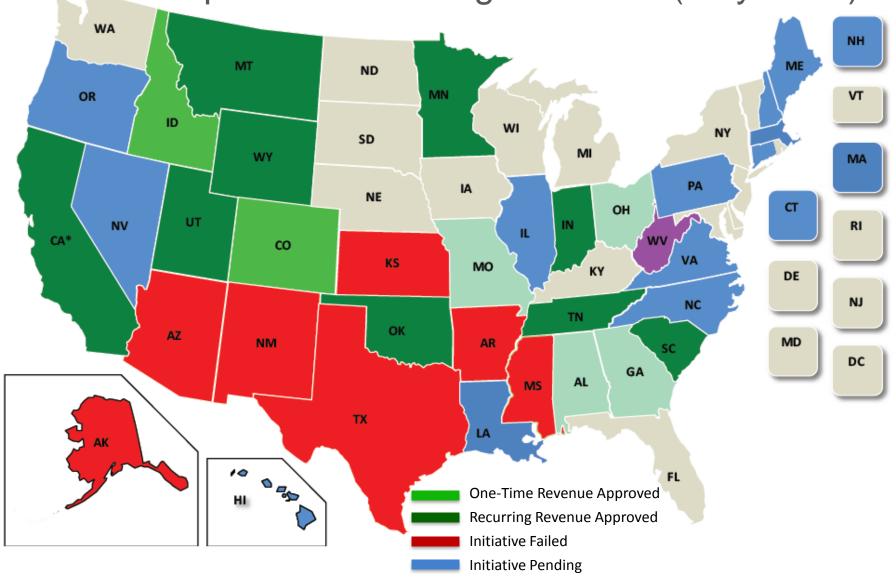
Traditional Funding Options	Less Traditional Options				
Gas taxesOther taxes on motor fuelsMotor vehicle feesTolls	Distance-based feeTaxes on alternative fuels				
Finance Solutions that borrow against or otherwise					
leverage revenues					
BondsFederal credit assistance	State infrastructure banksPublic-private partnerships				

36

2014 – 16 State Transportation Funding Initiatives



State Transportation Funding Initiatives (May 2017)

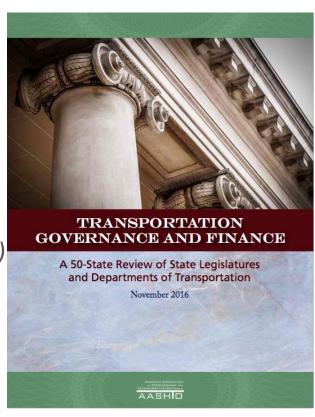


Transportation Revenues Not Collected in NC

- **General Fund** (Alaska, Arizona, Arkansas, Colorado, Georgia, Hawaii, Idaho, Indiana, Massachusetts, Michigan, Missouri, New York, North Dakota, Oregon, Tennessee, Wisconsin, Wyoming, DC)
- Rental Auto sales tax (Alaska, Arizona, Colorado, Florida, Hawaii, Iowa, Minnesota, Missouri, New Jersey, New Mexico, New York, South Dakota, Utah, Vermont, Virginia, Washington, west Virginia)
- Property Leases or Sales (Alaska, California, Colorado, Delaware, Indiana, Oregon, Rhode Island, Washington)
- State Sales Tax (Arkansas, Kansas, Nebraska, Utah, Virginia, Wisconsin)
- Weight-distance tax (Kentucky, New Mexico, New York, Oregon)
- Fines (Connecticut, Minnesota, Maine)
- Impact fees (Vermont)
- Gaming (Massachusetts)
- Documentary Revenue Stamp (Florida)
- Casino taxes (Mississippi)

Transportation Revenues Not Collected in NC (Continued)

- Vehicle-miles travelled tax (pilot) (California, Oregon, Minnesota)
- Property Rental/Lodging Fees (Georgia, Hawaii)
- Income Tax (Oklahoma)
- Tobacco revenue tax (Idaho)
- Mineral royalties/taxes (Wyoming)
- Oil/Petroleum tax (Mississippi, Nevada, New York, Texas, Puerto Rico)
- Locomotive fuel tax (Mississippi, Wyoming)
- Cap-and-Trade Program Revenues (California)
- Wholesale Liquor Revenues (Maine)
- Corporate Income Taxes (Maryland)
- Aircraft Registration Fees (Wisconsin)



Select Updated Transportation Revenue Potential

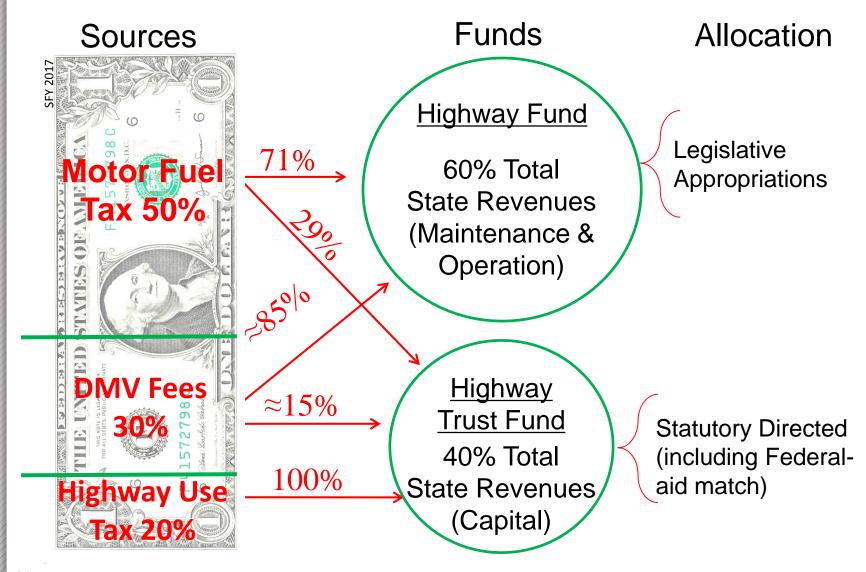
Revenue Option	States Where Revenue Option Collected (if applicable)	NC Potential Revenue (Yr)	
General Fund	Alaska, Arizona, Arkansas, Colorado, Georgia, Hawaii, Idaho, Indiana, Massachusetts, Michigan, Missouri, New York, North Dakota, Oregon, Tennessee, Wisconsin, Wyoming, DC	Varies	
Rental Auto sales tax	Alaska, Arizona, Colorado, Florida, Hawaii, Iowa, Minnesota, Missouri, New Jersey, New Mexico, New York, South Dakota, Utah, Vermont, Virginia, Washington, West Virginia	8% \$65m*	
State Sales Tax	Arkansas, Kansas, Nebraska, Utah, Virginia, Wisconsin	1/4% ≈ \$300m	
Document Revenue Stamp	Florida	1¢/500 Value \$0.6m*	
Aircraft Registration Fees	Wisconsin	\$1 ≈ \$7,000	
Property Leases or Sales	Alaska, California, Colorado, Delaware, Indiana, Oregon, Rhode Island, Washington		
Vehicle Property Tax		1¢/100 Value ≈\$8m*	
*Revenue Collection in Place			

18

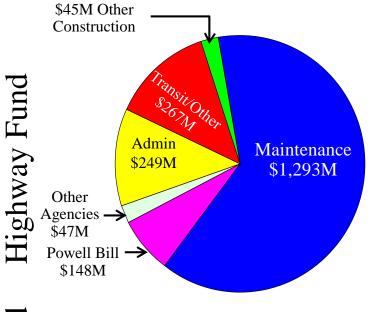
Transportation Revenue Trivia

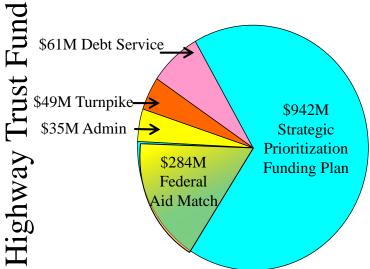
Existing Revenue Sources	Current Rate	Rate Change	Annual Revenue Generation (\$M)	Estimated Annual Cost to Average User
Gasoline Motor Fuel Tax	34.3 cpg	1 cent	45.0	7.50
Diesel Motor Fuel Tax	34.3 cpg	1 cent	10.0	100.00
Driver License	\$5.00/yr	\$1.00/yr	7.0	1.00
License Plate	\$36.00/yr	\$1.00/yr	7.0	1.00
Highway Use Tax (HUT) – rate	3%	1%	250.0	50.00*
HUT – Out of State cap	250	None	0.2	200.00*
HUT - >26,000 pound vehicles	2,000	3,000	10.0	1,000.00*
HUT - >26,000 pound vehicles	2,000	None	20.0	1,600.00*
HUT – short term leases**	8%		65.0	**
Auto Repair/parts sales taxes**	4.75%		365.0	**

Sources, Funds, Allocation and Distribution



Sources, Funds, Allocation & Distribution (Cont.)





Maintenance

65% Inventory (lane miles & bridge Deck Area) + 35% Needs (Condition Assessments and Non-Assessed)

Pavement Treatments

65% Inventory (lane miles)

+ 35% Needs (Pavement Condition Survey)

Bridges

Uniform Amount + Needs

Powell Bill

75% Population + 25% Mileage

Strategic Transportation Initiative

•Statewide

- 100% Quantitative
- •Regional 70% Quantitative/30% Local Input
- •Division 50% Quantitative/50% Local Input Quantitative Data (all or some)
- Benefit-Cost
- Congestion
- Economic Comp.
- Safety
- Freight
- Multimodal

- Pavement Condition
- Lane Width
- Shoulder Width
- Accessibility and connectivity

FAST Act – Funding Alternatives Program

- Created a program in U.S. Section 23-503(b) to provide grants that:
 - Demonstrate user-based alternative revenue mechanisms
 - Utilize user fee structure, such as tolling or vehicle miles travelled
 - Help maintain future long-term solvency of the Federal Highway Trust Fund

Program Goals:

Implementation, Interoperability, Public Acceptance and Hurdles	Use of Independent and Private Third Parties
Privacy Protection	Congestion Mitigation Impacts
Equity Concerns	Ease of User Compliance
Technology Reliability and Security	Flexibility of User Choice
Cost of System Administration	Auditing, Compliance/Enforcement

- Funding
 - \$15 million in FFY 16
 - \$20 million annually from FFY 2017 through FFY 2020
 - 50% Cost Sharing

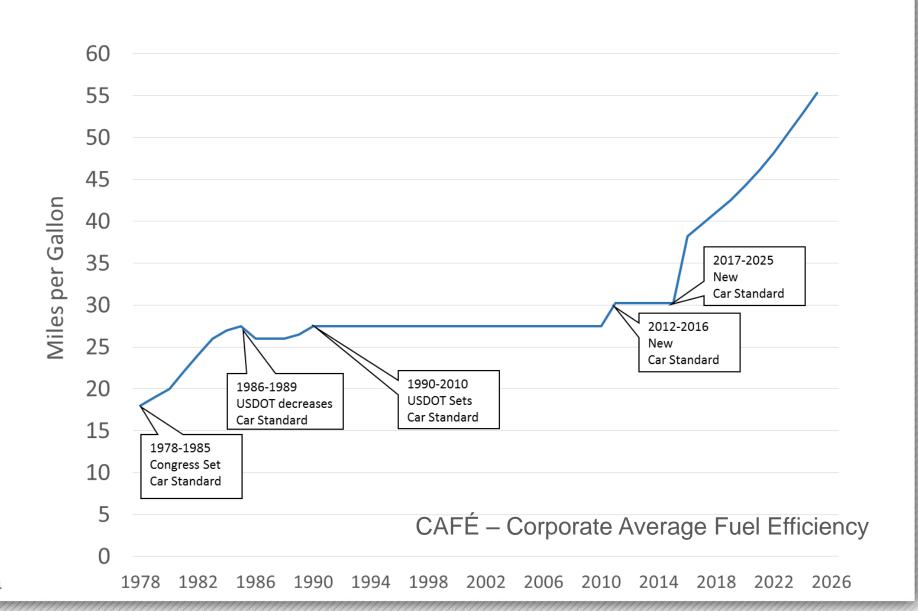
FAST Act – Funding Alternatives Program

FFY 2016 Selections (\$14.3 million)

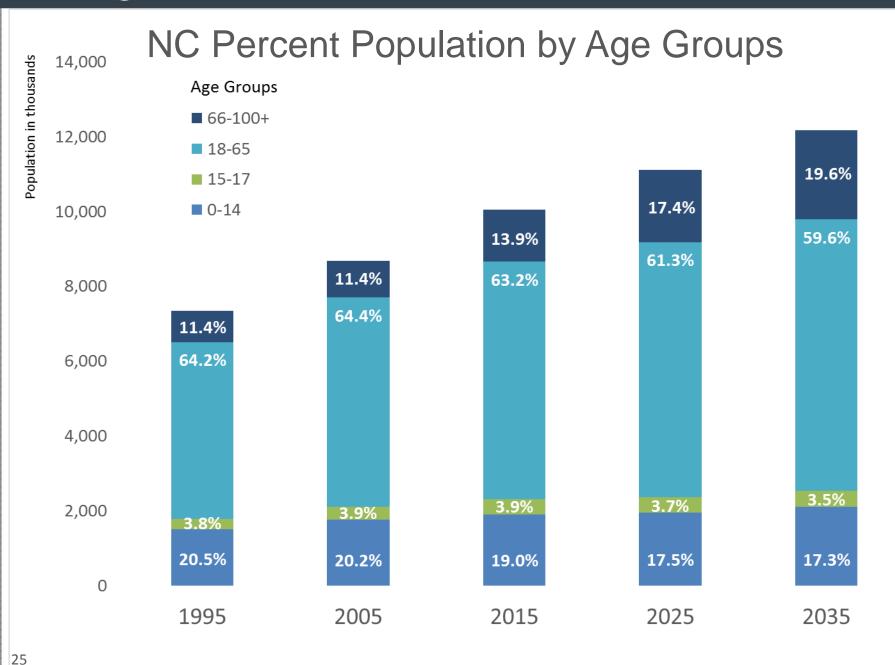
State	Project	Funding (\$ in thousands)
California	Pay at the Pump	750
Delaware	On Board Mileage Counter	1,490
Hawaii	Inspection Station Odometer Reading	3,998
Minnesota	Collection by Mobility as a Service Provider	300
Missouri	Registration Fee Based on Estimated Miles/Gallon	250
Oregon	Improvements to Existing Program	2,100
Oregon	Interoperability with Western Road User Charge Consortium	1,500
Washington	Interoperability of Various Collection Systems	3,847

Note: There are pilot programs in California, Oregon and Minnesota

Federal Vehicle Standards (CAFÉ) – Passenger Vehicle



ncdot.gov



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Projection – Vehicle Ownership Articles

Article	Date
Demographic Shifts: Shaping the Future of Car Ownership	2/2017
Goodbye car ownership, hello clean air: welcome to the future of	12/2016
The future of car ownership that no one is talking about	7/2016
Fewer car owners and more driverless vehicles in future, survey reveals	1/2017
Peak Car Ownership is near – beginning of the fall of car ownership	3/2017
<u>Cars 2025</u>	
<u>Driverless vehicles: The future of car ownership is Pay-As-You-Go</u>	2/2017
Could Self-Driving Cars Spell the End of Ownership?	12/2015
Silicon Valley vs. Detroit: The Future of Car Ownership	3/2017

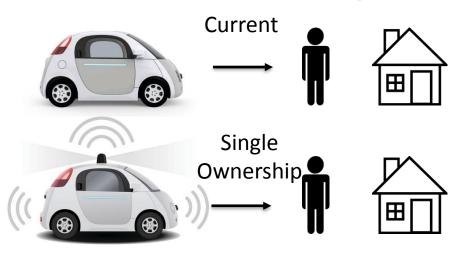
Projection – Autonomous/Vehicle Ownership

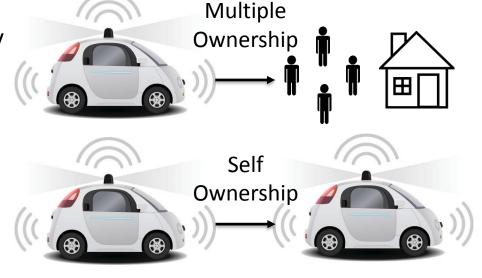
<u>The Car</u> - will grow smarter and more efficient, with high-efficient engines, lighter materials and autonomous driving vehicles

<u>The Industry</u> – will evolve with new competition from tech companies, and suppliers capable of producing hightech parts at low prices

<u>The Driver</u> – will look at cars differently sharing cars and using them as a space to consume media and make calls

<u>Transportation Funding Model</u> – will have to evolve in anticipation of the change





Projection – Autonomous Vehicle Deployment

Stage	Decade	Vehicle Sales	Vehicle Fleet	Vehicle Travel
Available – large price premium	2020s	2-5%	1-2%	1-4%
Available - moderate price premium	2030s	20-40%	10-20%	10-30%
Available – minimal price premium	2040s	40-60%	20-40%	30-50%
Standard - included on most new vehicles	2050s	80-100%	40-60%	50-80%
Saturation (everybody who wants it has it)	2060s	?	?	?
Required – on all new and operating vehicles	???	100%	100%	100%



HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 5-31-2017 **TIME:** 2:45 PM – 4:05 PM **LOCATION:** Room 150

MEETING CALLED BY	Chairman Tarleton
BOARD ATTENDEES	Committee: Chairman Cullie Tarleton, Landon Zimmer, Gus Tulloss, Terry Hutchens, Michael Wells, Jack Debnam, Grady Hunt

AGENDA TOPICS

1. Approval of May Minutes	
DISCUSSION SUMMARY	Motion to approve made by Board Member Debnam, seconded by Board Member Hutchens.
ACTIONS TAKEN	Motion to approve minutes as written passed unanimously.

2. P3 CONTRACT REVIEW UPDA	ATE - BEAU MEMORY AND JIM TAYLOR, MERCATOR, INC.		
DISCUSSION SUMMARY	Mr. Beau Memory and Mr. Jim Taylor, Mercator, Inc., provided a preliminary report of the study of the Department's P3 contract. The objective of the study is to identify and evaluate potential policy options that might address concerns expressed by members of the public regarding the implementation of the managed toll lanes concept and various provisions in the agreement. The presentation reviewed overarching concerns expressed by members of the public and frequent contract questions. Next steps in the project review include evaluations of the public suggestions and factors that need to be considered to implement suggestions received, which include safety and environmental impacts, legislative and regulatory authority, funding constraints, etc. Draft Findings and Options will be presented in July to the Charlotte Regional Transportation Planning Organization and in August to the North Carolina Board of Transportation and the North Carolina Turnpike Authority Board.		
ACTIONS TAKEN	N/A		
3. LITTER REMOVAL PROGRAM – DON LEE, NCDOT STATE ROADSIDE ENVIRONMENTAL ENGINEER			
Mr. Don Lee, NCDOT's State Roadside Environmental Engineer, provided a presentation Removal on North Carolina Highways. He discussed the various NCDOT programs that relitter from NC highways, including the Adopt-a-Highway program, the Sponsor-a-Highway program, Litter Removal Contracts, Inmate Litter Pickup and NCDOT forces. The Adopt-a Highway Program has over 4,700 volunteer groups that cover 9,814 miles. The Sponsor-a-Highway Program is a new sponsorship program that covers 231 miles. The interstate rous covered 100% with litter removal contracts and the Sponsor-a-Highway program. There a inmates picking up litter now due to extensive prison closings. Over 5.5 Million pounds of were removed from NCDOT roadways in one year. Mr. Lee also discussed enforcement and education efforts regarding litter.			
ACTIONS TAKEN	N/A		



HIGHWAYS COMMITTEE MEETING MINUTES

4. SAFETY PERFORMANCE MEASURES – KEVIN LACY, STATE TRAFFIC ENGINEER		
	State Traffic Engineer, Mr. Kevin Lacy, presented information to the Committee regarding Safety Performance Measures which are Federal Highway regulations to implement MAP-21 Performance Management requirements. The five performance measures are:	
	 Number of Fatalities Fatality Rate Number of Serious Injuries Serious Injury Rate Number of Non-Motorized Fatalities and Serious Injuries. 	
DISCUSSION SUMMARY	Targets for each of the performance measures will be established annually, based on the calendar year. Performance measures will use 5-year rolling averages. The targets must be identical to NHTSA HSP targets for common measures. States must coordinate with MPOs on establishing targets. States would have "Met" or "Made Significant Progress" towards meeting Performance Targets if: 4 out of 5 targets are "Met" or 4 out of 5 targets are better than performance for year prior to establishing targets.	
	Additional Legislative Mandates related to High-Risk Rural Road (HRRR) Safety and Older Drivers were discussed. If fatality rate on rural roads increases over a 2-year period, the State must obligate for projects on HRRRs at least 200% of FY09 HRRR program. If fatalities and serious injuries per capita for road users over 65 increases during a 2-year period, the State must include strategies in SHSP, considering Older Driver Handbook recommendations.	
ACTIONS TAKEN	N/A	



HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION JUNE 28, 2017

TIME: 2:10 PM - 3:30 PM

LOCATION: 150

ТОРІС	PRESENTER	Тіме
Call to Order Roll Call Declaration of Quorum Approval of May 31, 2017 Meeting Minutes	Cullie Tarleton, Chair	2:10 pm
Project Spotlight: NCDOT Division 2 Gallant's Channel	John Rouse, P.E.	2:15 pm
NCDOT Safety & Risk Management	Rob Barfield	2:35 pm
North Carolina Turnpike Authority: Automated Vehicle Proving Grounds	Beau Memory	2:55 pm
Other Discussion	Cullie Tarleton, Chair	3:15 pm
Adjourn	All	3:30 pm



NORTH CAROLINA

Department of Transportation



















US 70 / Gallants Channel Bridge Replacement

June 28, 2017 Board of Transportation Meeting

John Rouse, Division Two Engineer

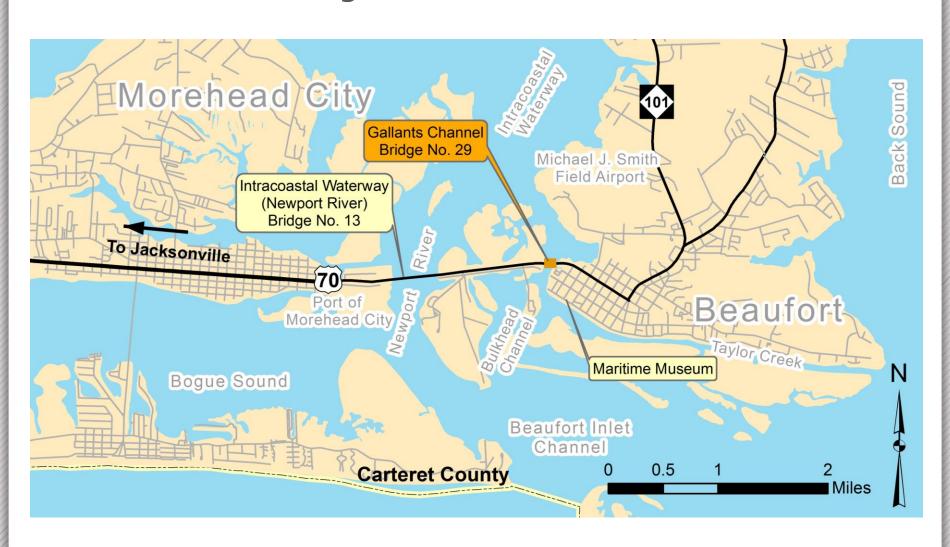
Agenda

NEPA/ Planning Challenges

Post-NEPA Project Challenges

Construction Update

Project Location



Why is the Project Needed?

- Proposed Improvements (STIP Project R-3307)
 - Widen US 70
 - Replace existing drawbridge (constructed in 1957)
- Purpose of Project
 - Increase traffic carrying capacity of US 70
 - Eliminate delays to both boating and vehicular traffic due to drawbridge openings

Project History

- 1998 Began Planning and Environmental Studies
- Purpose of Project
 - Increase the Traffic Capacity of US 70 by Widening Existing US Highway 70 to a Multi-Lane Facility
 - Eliminate Delays to Vehicular and Boating Traffic Due to Drawbridge Openings by Replacing the Grayden Paul Drawbridge with a Fixed Span High-Rise Bridge

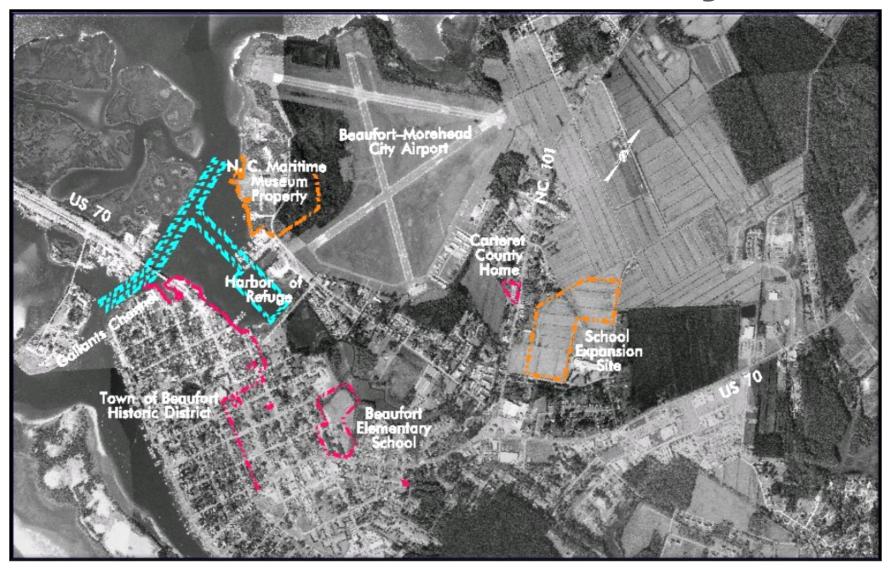


Grayden Paul Drawbridge was completed in 1957.

ncdot.gov



Environmental Study



Environmental Study

Environmental Resources (1998)

- Downtown Beaufort Historic District
- Other Historic Properties
- Local Marinas
- NC Maritime Museum (Expansion Property)
- Beaufort-Morehead City Airport
- Harbor of Refuge
- Wetlands and Streams
- Elementary School and Expansion Property

Study Alternatives

Alternatives, including:

- No Build
- Transportation System Management (TSM)
- Maintain Existing Drawbridge
- New Drawbridge (Mid or High Rise)
- High Rise Fixed Span Bridge (65-ft)
- Tunnel under Gallants Channel
- Connectors on Queen, Pollock & Turner Streets

Environmental Study

Environmental Study:

- Began: 1998
- EA approved: 2004
- Recommended Alternative (LEDPA): 2005
- FONSI approved: 2006

Recommendation:

- Primary new location, 4-lane with median
- Replace drawbridge with a fixed span bridge
- Provide 65-ft vertical clearance for boating traffic

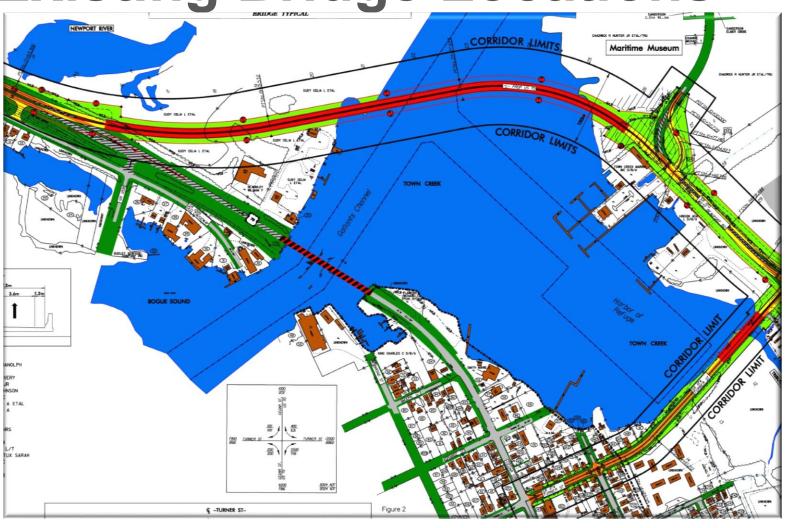
Preferred Alternative – Alt 2D



Proposed Bridge Over Gallants Channel

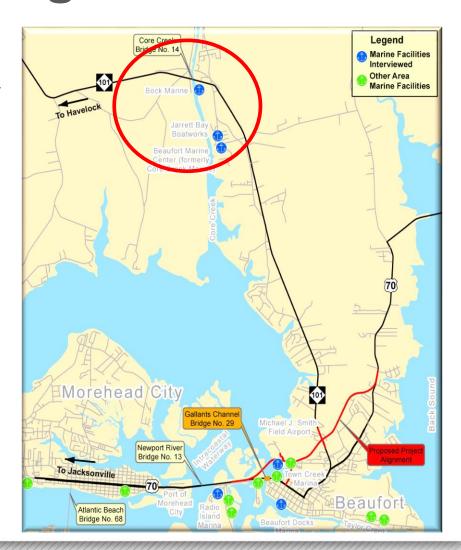


Proposed versus Existing Bridge Locations



Post-Environmental Study: New Challenges

- 2008 Right of Way underway
- 2008 Maritime Businesses (New Resource)
- Larger/taller boat traffic
- New request for Drawbridge



Type of Bridge / Vertical Clearance

- Fixed Span vs. Opening Span
- 65-feet Standard Vertical Clearance Over ICW

Access Restrictions to Harbor of Refuge/ Service Areas

What Percentage of Boating Traffic is Taller Than 65-Feet?

Coordination with U.S. Coast Guard

- USCG "Navigational Opening" (Vertical/ Horizontal Clearance)
- Permit Process with USCG in 2008 2011
 - Public Comment Period Fall 2009
 - Request by USCG for Additional Information Summer 2011
- "Marine Assessment" Required

Marine Assessment Report

- Introduction
- Existing Conditions
- Description of the Proposed Bridge
- Limiting Factors for Navigation
- Vessel Traffic
 - Historic
 - Observed by Survey
 - Reported by Marinas
- Marine Traffic Assessment
- Commerce/Economic Information
- Letters and Resolutions
- Conclusions

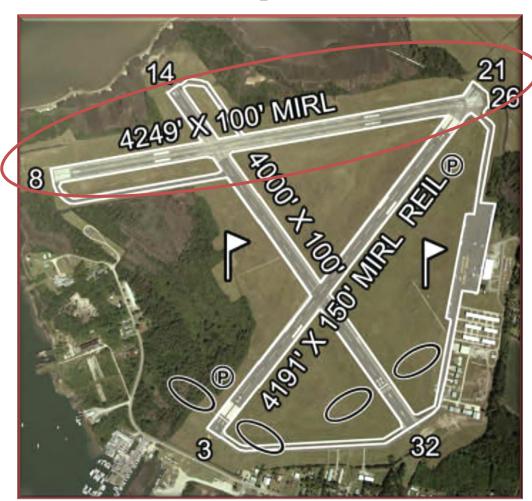
Limiting Factor: Airport Considerations



Limiting Factor: Airspace

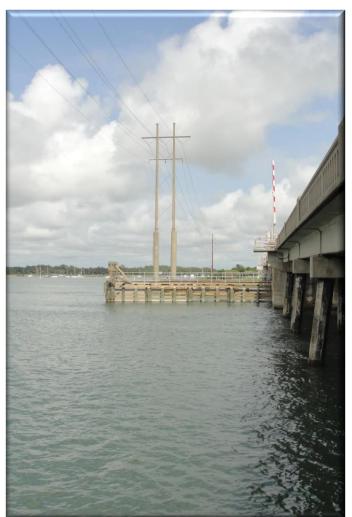
 1944 War Assets Agreement

- Re-designation of Primary Runway from 3-21 to 8-26 due to project alignment
- Bridge as Controlling Obstruction – need to keep at/under 65-ft



Limiting Factor: Power Lines

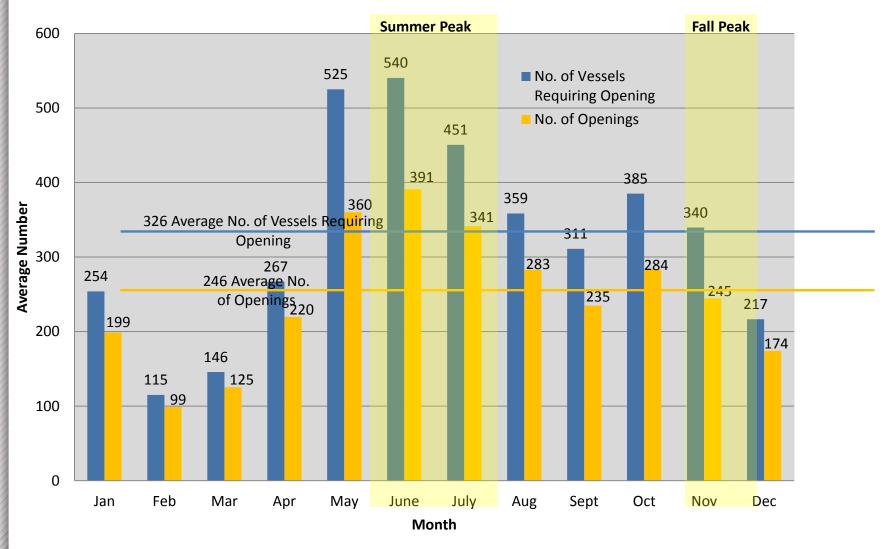
- High Voltage Power Lines Overhead
- Actual Clearance 87 ft.
- "Safe" Clearance 77 ft.



Marine Assessment Report

- Limiting Factors for Navigation
- Vessel Traffic (Historic)
- Vessel Traffic (Surveys)

Bridge Opening Logs (2009-2013)



Vessel Survey



Vessel Surveys (8 months)

- August 2012
- October, November 2012
- February June 2013

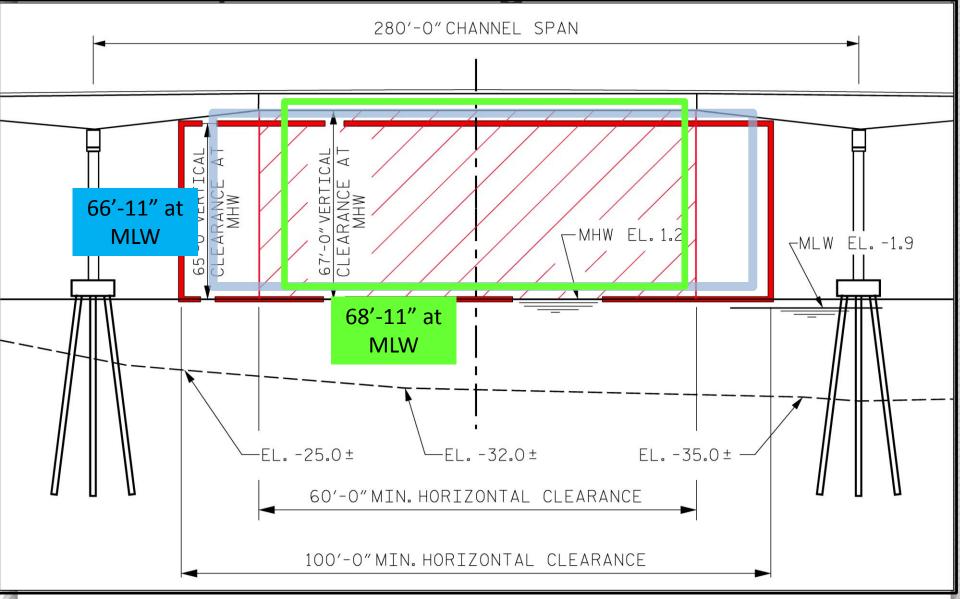


Vessel Survey

Vessel Height Range	No. of Vessels Surveyed within Height Range	Percentage of Vessels Surveyed within Height Range	Cumulative Vessel Tally	Cumulative Vessel Percentage Tally
0-ft to 15-ft	11,722	87.3%	11,722	87.3%
15.1-ft to 30-ft	669	5.0%	12,391	92.3%
30.1-ft to 45-ft	445	3.3%	12,836	95.6%
45.1-ft to 60-ft	346	2.6%	13,182	98.2%
60.1-ft to 65-ft	139*	1.0%	13,321	99.3%
65.1-ft to 68-ft	60	0.4%	13,381	99.7%
68.1-ft to 77-ft	39	0.3%	13,420	100.0%
Total	13,420	100.0%	13,420	100.0%

^{*}Twenty-four (24) commercial fishing vessels, observed a total of 28 times, were measured to be over 65-feet but are able to lower their outriggers to below 65-feet and were therefore included in this category.

Proposed Bridge Clearance



Marine Assessment: Findings

- Positive impact for Harbor of Refuge and 1 marina; negative impact for 3 marinas
- Bridge height over 65-feet negative impact on airport, require FAA approval
- Bridge height over 65-feet limited due to power lines
- No impact to 99.7% of the vessel traffic (up to 68-feet)
- Only 39 out of 13,420 vessels surveyed (0.3%) unable to travel under the proposed bridge (without adjustment)

Project Milestones

- Submittal of Report to US Coast Guard Aug 2013
- USCG permit approval (65-ft vert., 100-ft horiz.) Dec 2013
- Project Let Jan 2014

Construction Phase

- Project Cost: \$66 million
- Project Let: Jan 2014
- Ground Breaking: April 2014
- Contractor Estimated Intermediate Completion: Fall 2017 (for 2 lane traffic on the new bridge)
- Contractor Estimated Overall Completion: Late 2018 (traffic in full pattern and removal of ex. drawbridge)
- Current Progress Schedule 88% Complete

Construction Phase

4 Main Construction Areas:

- US 70 highway construction
 - 3.755 miles, new location



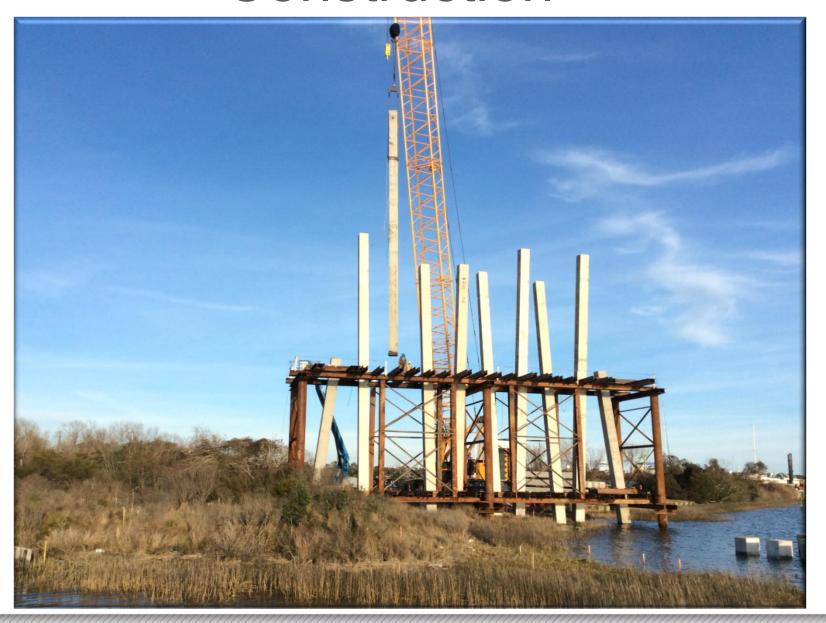
- Gallants Channel bridge
 - 3,400 feet long
 - Pre-stressed concrete piles (30"), girders (54" & 78")



Construction Phase

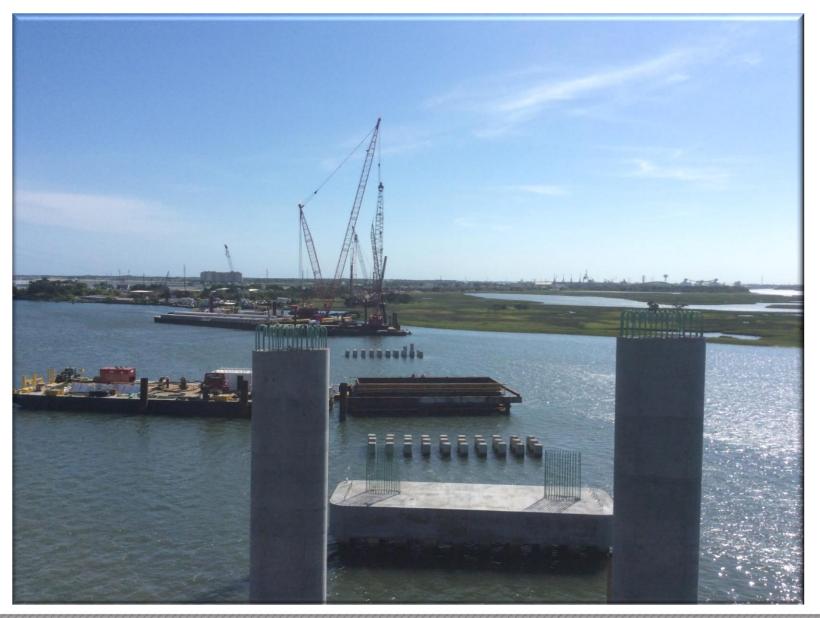
Construction Areas (continued):

- Turner Street Bridge
 - Replacement of a culvert and earthen causeway with an 800 foot long bridge structure
 - New "entry way" into Historic Beaufort
 - Aesthetic Details on Bridge









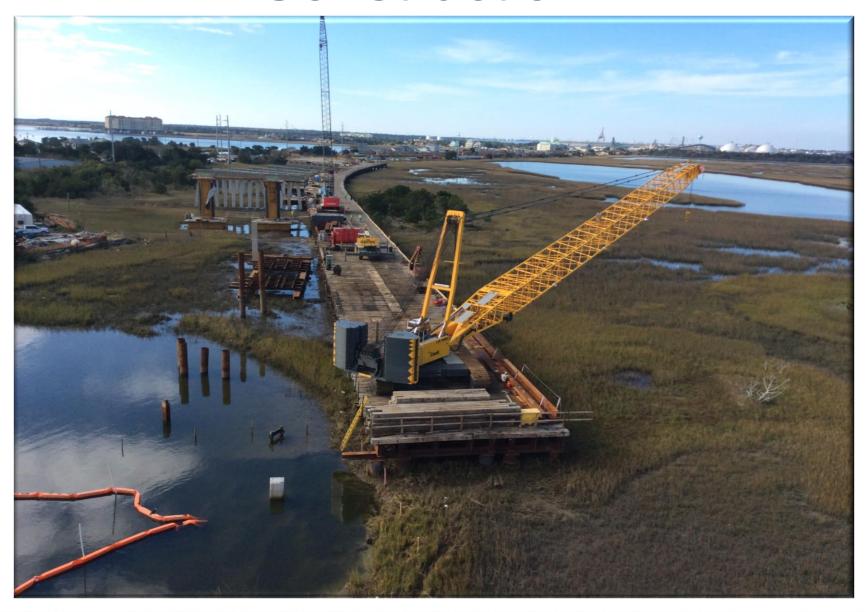




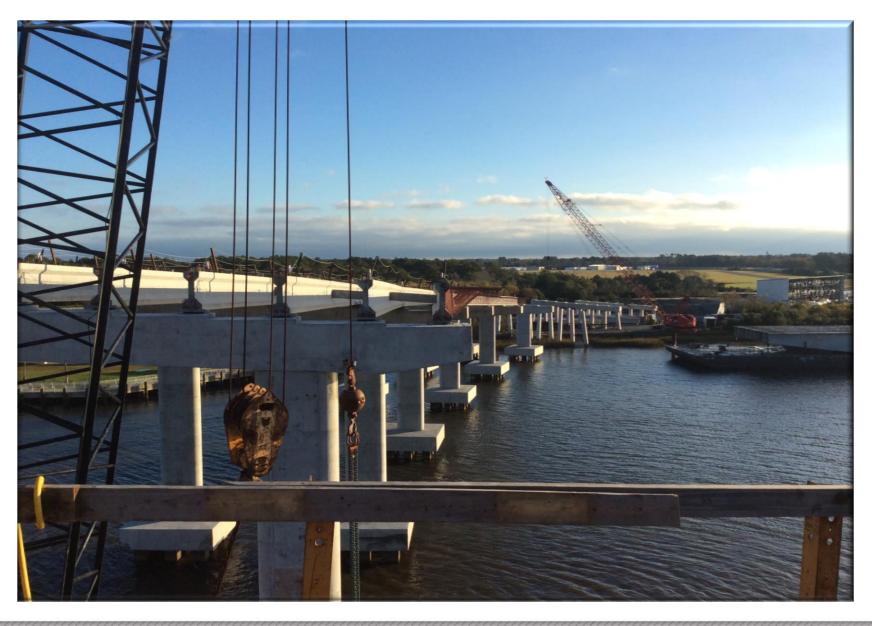












Gallants Channel High Rise

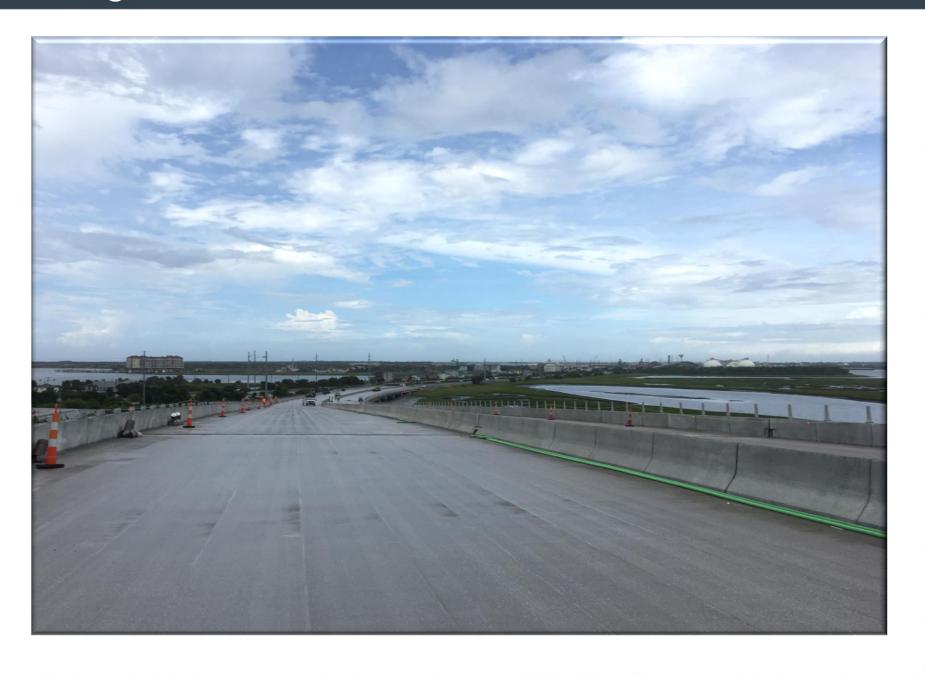


Gallants Channel











Turner Street Bridge



Noise wall along US 70



US 70 Roadway



Old and New Bridge Over Gallants Channel



Existing Drawbridge

Existing Drawbridge: What is going to happen to it?

- Historical photo survey
- Dismantling
- Finding another home...do you want a historic bascule bridge?



Questions?



MULTI-MODAL COMMITTEE MEETING MINUTES

DATE: 5/31/17 **TIME:** 3:05 **LOCATION:** EIC

MEETING CALLED BY	Chairman Andy Perkins
BOARD ATTENDEES	Tracy Dodson, Nina Szlosberg-Landis, Anthony Lathrop, Daniel McComas, Allen Moran, Valerie Jordan, Billy Clarke

AGENDA TOPICS

1. MEETING CALL TO ORDER AND APPROVAL OF MAY 3 MINUTES – CHAIRMAN PERKINS			
DISCUSSION SUMMARY Motion by Anthony Lathrop, seconded by Daniel McComas			
ACTIONS TAKEN	Approved unanimously		

2. SUSPENSION OF MODALS	
DISCUSSION SUMMARY	Chairman Perkins suspended the normal modal reports to engage the committee members in a discussion about topics and issues the committee wanted to have at future meetings. Topics included: New and advanced technology as it relates to all modes; establishing strategic goals and performance metrics for all modes; creating additional funding for Bike and Ped needs across the state; supplier diversity development as part of the new advance technology conversation; actively look for opportunities to establish pilot programs; see and hear about new innovative ideas from different modes; getting to know stakeholders; creating good use of time and value while on the committee; consider ways to bring a more friendly environment to NC and take future charges into account; consider ways to prioritize thoughts and give leaders in modes a way to broaden what they do; create a SITREP or dashboard for different modes to measure/track success and spend time on a vision; create new long term transportation plan that will get all modes involved.
ACTIONS TAKEN	Informational

3. FUNDING ITEMS (PTD, RAIL, AVIATION)						
DISCUSSION SUMMARY Information was presented by Transit Directors for the Committee's approval.						
ACTIONS TAKEN	 Motion to approve PTD Funding Item made by Anthony Lathrop and seconded by Daniel McComas. Motion to approve Rail Funding Item made by Daniel McComas, and seconded by Allen Moran. Motion to approve Aviation Funding Item made by Daniel McComas, and seconded by Allen Moran. 					

4. SIDEWALK AND PEDESTRIAN POLICY UPDATE – JOHN VINE-HODGE			
DISCUSSION SUMMARY	Information was presented and recommended for approval by the Board.		
ACTIONS TAKEN	Motion to approve was made by Andy Perkins and seconded by Billy Clarke.		



MULTI-MODAL COMMITTEE MEETING MINUTES

5. RAIL CORRIDOR PRESERVATION POLICY UPDATE			
DISCUSSION SUMMARY Information was presented and recommended for approval by the Board.			
ACTIONS TAKEN	Motion to approve was made by Andy Perkins and seconded by Billy Clarke.		

6. RAIL PRESENTATION - PAUL WORLEY			
DISCUSSION SUMMARY	Paul Worley gave a detailed power point summary of upcoming rail projects		
ACTIONS TAKEN	Informational		

Adjourned: 4:06



MULTI-MODAL COMMITTEE COMMITTEE AGENDA

BOARD OF TRANSPORTATION June 28, 2017

TIME: 2:10 PM

LOCATION: EIC

Торіс	PRESENTER	Тіме	
Call to Order Roll Call Declaration of Quorum Approval of May 31, 2017 Meeting Minutes	Chairman Perkins	2:10-2:15	
Funding Items (Aviation, PTD, Rail)	Transit Directors	2:15-2:25	
Multi-Modal Update	David Howard	2:25-2:35	
Aviation Update Division Highlights Future of Mode Discussion	Bobby Walston	2:35-2:55	
Public Transportation Update Division Highlights Future of Mode Discussion	Debbie Collins	2:55-3:15	
Adjourn	Chairman Perkins	3:15-3:30	

Multi-Modal Committee June 28, 2017

Watch For Me NC – A comprehensive pedestrian and bicycle safety program aimed at reducing bicycle and pedestrian crashes and fatalities in the state. The Campaign is gearing up to start this month and will bring 1/2 day and full day trainings throughout the state.

Event Date/Time

- Outer Banks- Kill Devil Hills/Corolla Half-Day Course June 22, 2017
- Elizabeth City Full Day Course June 23, 2017
- UNC Wilmington/Cape Fear Area Half-Day Course June 29, 2017
- Burgaw/Oak Island/Pine Knoll Shores Area Full Day Course June 30, 2017
- Apex Triangle Area Half-Day Course July 14, 2017
- Greensboro- Half-Day Course- July 20, 2017
- Elon Full Day Course July 21, 2017
- Charlotte Half-Day Course July 27, 2017
- Asheville/Morganton/Boone/Transylvania/Murphy- Half-Day Training- August 3
- Newton/North Wilkesboro/Cornelius- Full Day Course- August 4, 2017

In 2017, the campaign is reaching its highest level of participation to date, with 33 community programs encompassing more than 140 individual agencies or departments. The program provides training for law enforcement officers on methods for improving safety for all road users in their areas. Communities will also receive technical assistance, materials, and purchased media promotion such as billboards to help raise public awareness about important pedestrian and bicycle safety issues.

SB 257 – We have provided and continue to work with our advocacy partner, BikeWalk NC, in providing comments and feedback regarding this bill.

Complete Streets Initiative – Our division will be meeting with the Transportation Planning Branch to discuss an implementation plan regarding NCDOT and Complete Streets. This meeting will be held Friday, June 16.

Inter-Departmental NCDOT Division meeting – The DBPT and ARTS program staff along with local community members will meet at the Div. 4 offices June 27 to discuss SRTS initiatives along with Div. of Public Health initiatives. This is the second of 14 meetings that will take place during the Summer and Fall for each NCDOT Division.

Fatal table as of 6/12/2017

Fatal Crashes				Fatalities						
Category	2017	2016	YTD	YTD %	5 Yr avg.	2017	2016	YTD	YTD %	5 Yr. avg.
	YTD	YTD	Diff	Change	total	YTD	YTD	Diff	Change	total
Bicyclist	10	6	4	66.7%	19	10	6	4	66.7%	19
Pedestrian	62	75	-13	-17.3%	170	62	76	-14	-18.4%	173



NORTH CAROLINA

Department of Transportation



















Division of Aviation Update

Bobby Walston, Director June 28th, 2017

NCDOT - Division of Aviation Mission

Promote the economic well being of North Carolina through air transportation system development and improved aviation safety and education.



Division of Aviation - Focus for 2017-18



- Support aviation and aerospace development
- 2. Improve the safety and condition of our airports
- 3. Collaborate to accelerate airport programs and project delivery
- 4. Provide more aviation safety and education opportunities
- 5. Promote and utilize new aviation technologies
- 6. Update aircraft fleet to meet missions



Division of Aviation Organization Chart

Director of Aviation

Finance and Grants
Management

Airport Development

Aviation
Safety/Education
& UAS

Flight Operations

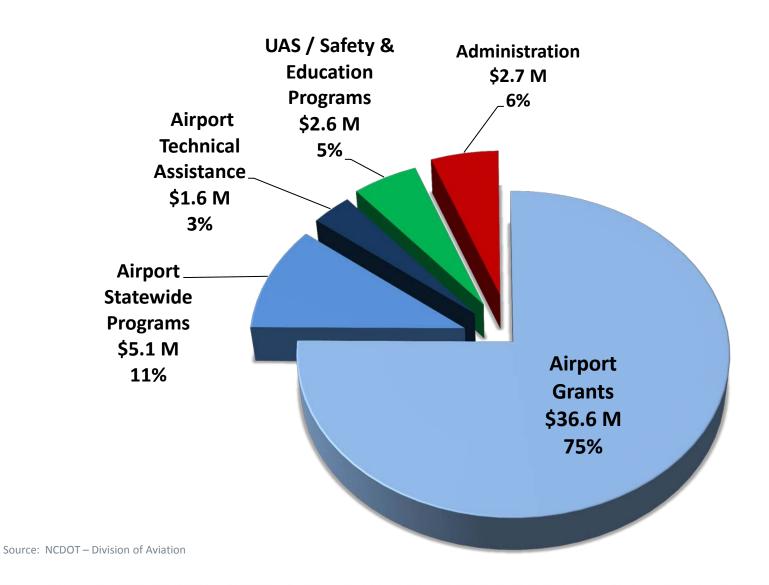
- 32 Full Time Employees
 - 9 Contractors
 - 2 Temp Employees

State Funding (in millions) SFY 2012-2017



5

Aviation SFY 2017 Fund Allocation



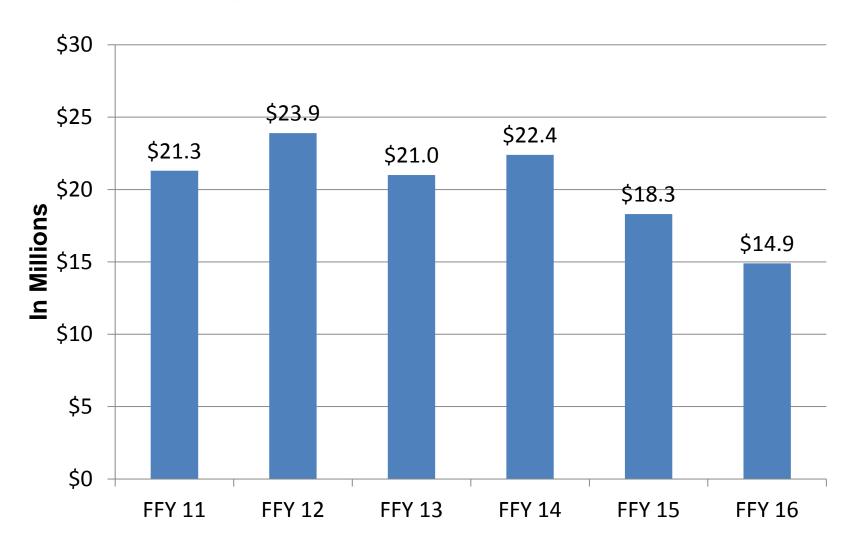
FY 2017 Aviation STI Projects

Tier	Quantity	Cost
Statewide Mobility	2	\$ 1.0M
Regional Impact	3	\$ 0.9M
Division Needs	6	\$ 9.3M
Total	11	\$ 11.2M

Note: STI funds Capital Projects only

17

FAA State Block Grants FFY 2010-2016



Division of Aviation Core Functions

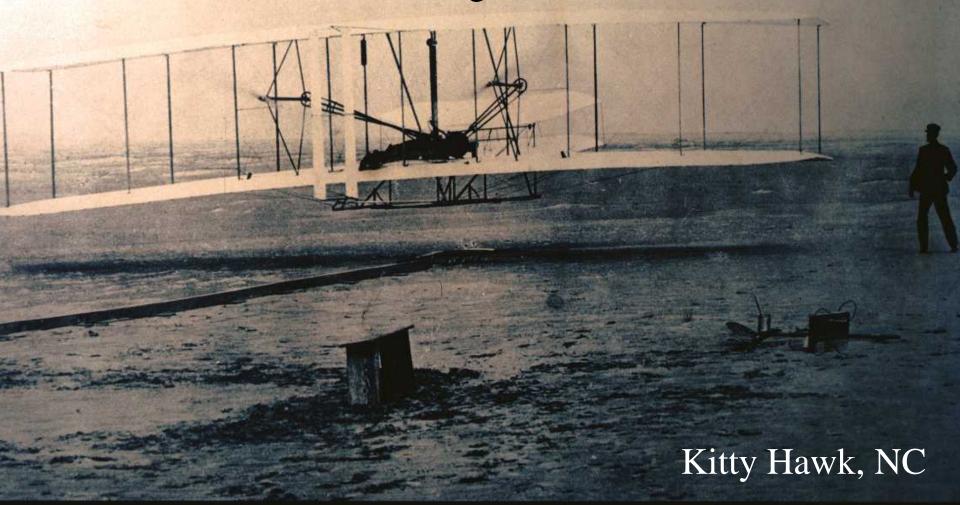
As the State's Aviation Authority:

- 1. Inform and Promote Aviation and Aerospace Development
- 2. Manage State and Federal Airport Grants and Programs
- 3. Conduct Aviation Safety and Education Programs
- 4. Operate the Unmanned Aircraft Systems (UAS) Program
- 5. Provide Air Transportation for all State Agencies



Wright Brothers World Famous Flight

The first successful sustained powered flights in a heavier-than-air machine were made here by Wilbur and Orville Wright on <u>December 17, 1903</u>.



North Carolina Aviation First in Flight









Aviation in North Carolina

Annually:

- 28.4 million total passenger enplanements
- 3.2 million total aircraft operations
- Over 1.3 billion pounds of air cargo

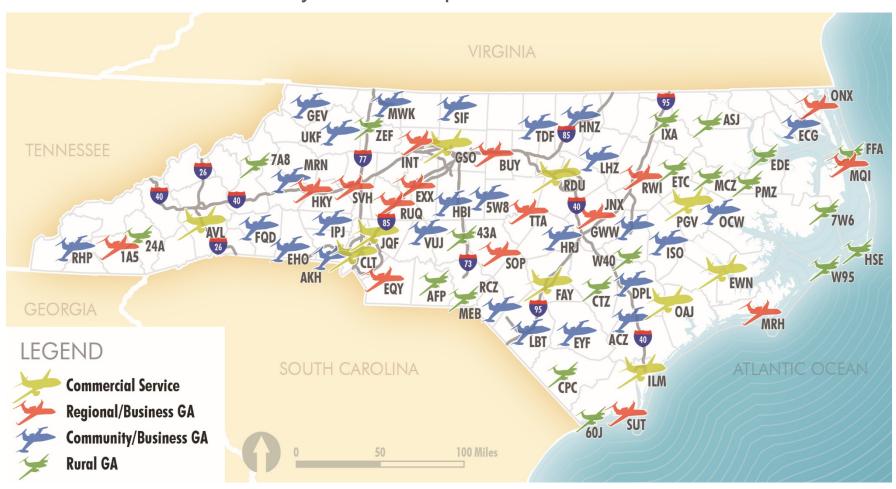
Pilots, Aircraft and Mechanics

- •17,760 Pilots
- 6,987 Aircraft
 (625 Business Aircraft)
- •18,702 Mechanics



North Carolina's Airport System

72 Publicly Owned Airports in North Carolina



Annual Economic Impact of NC's System of Publically Owned Airports

Commercial Service and General Aviation Airports provide more than \$31.1 billion in economic impact each year.





Annual Economic Impact of NC's System of Publically Owned Airports

Commercial Service and General Aviation Airports support over 123,000 jobs throughout North Carolina which result in more than \$4.1 billion in personal income.





Annual Tax Revenues collected because of NC's System of Publically Owned Airports

State and local governments received more than **\$910 million** in sales, property, corporate, and personal taxes due to airport activity.

- \$550 million in state tax revenue related to business activity.
- \$360 million in local tax related to airport business activity.





Source: NC State University, Institute for Transportation Research and Education, 2016

NC Aerospace Manufacturing Industries...

- provide more than \$10.5 billion in economic impact each year,
- support over <u>42,600 jobs</u> throughout North Carolina, and
- result in more than \$3 billion in personal income for aviation-related jobs.











Airport Grants and Programs



















Aviation Safety & Education Programs

- Conduct pilot and aircraft mechanic safety seminars
- Promote aviation education and career opportunities
- K-12, college, and workforce development programs



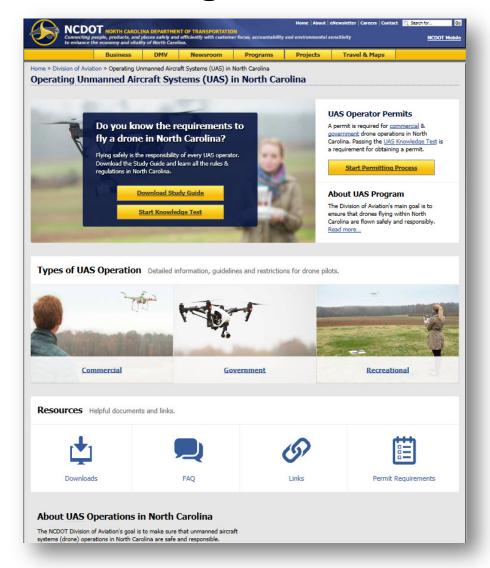




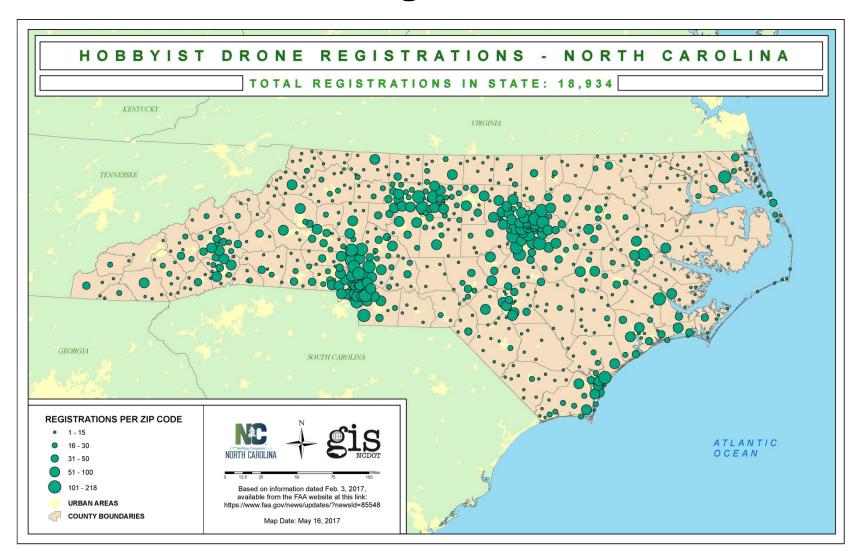


NC UAS "Drone" Program

- Online administration of NC UAS Operators
 Knowledge Test
- Commercial and Government UAS Operator's Permits can be acquired online
- UAS Safety Guide and NC Statutes
- Helpful Link: ncdot.gov/aviation/uas/



Drones Registered in NC





NC 147-70 Bypass



NC 540 – Veridea Pkwy



Johnston Regional Airport



Foothills Regional Airport



Western Carolina Regional Airport

Accident Reconstruction Exercise

UAS Project Objectives:

- Use a drone to capture data to reconstruct a highway accident scene
- Meet or exceed existing data collection requirements

Primary Partners:

- Governor's Highway Safety Program
- NC State Highway Patrol
- NCDOT Traffic Management Unit

Preliminary Results: Utilizing a drone...

- can provide data as accurate as traditional surveying methods
- are much quicker than traditional methods (15 min. vs 150 min.)
- open roads to traffic quicker
- minimize exposure of emergency and first responders to traffic



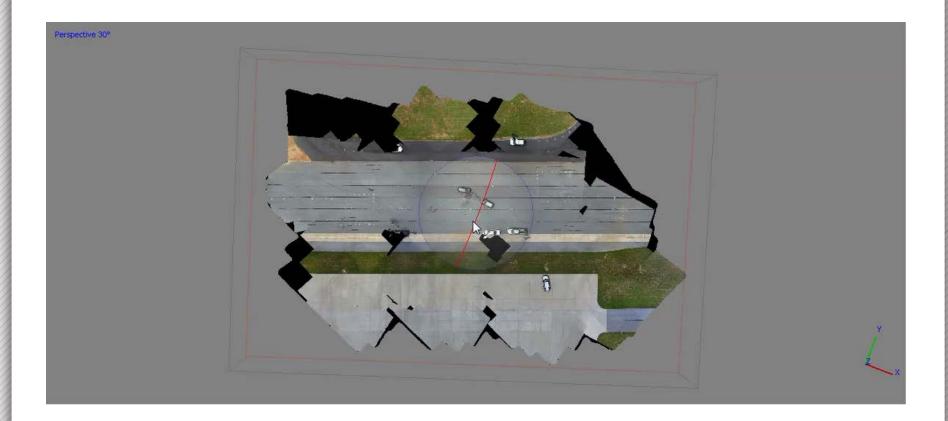
Accident Reconstruction



Accident Reconstruction



Accident Reconstruction



NCDOT Flight Operations Aircraft Fleet



2007 King Air 200 9 Passengers



2007 King Air C90 Photogrammetry or 6 Passengers



1998 S-76 Helicopter 7 Passengers

Types of Flight Missions

Mission Specific:

- Passenger Transport
- Photogrammetry Operations
- Emergency and Reconnaissance Operations
- Maintenance and Training Operations

Primary Users:

- Transportation
- Commerce (Business & Industry)
- State Executives
- Public Safety
- State Universities



Division of Aviation – Future of the Mode



- 1. Increases in Aviation Funding
- 2. Project Delivery & Cash Flow Mgmt
- 3. Proliferation of Unmanned Aircraft
- 4. Newer Focus on Economic Development
- 5. Advancement of NextGen Improvements
- 6. Increase in Aviation Safety & Ed Programs
- 7. Needed Revisions to STI for Airports
- 8. Update Aircraft Fleet
- 9. Complete Division Reorg Plan

Discussion



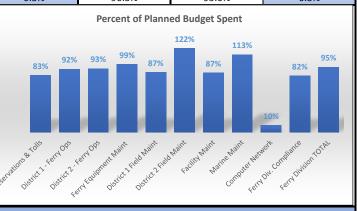
Bobby Walston, PE NCDOT - Aviation Director www.ncdot.gov/aviation/



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FERRY DIVISION MONTHLY UPDATE REPORT FOR May 2017

Ridership (Vehicles)						
Ferry Routes	May 2017	May 2016	DELTA	FY17 YTD	FY16 YTD	DELTA
Currituck - Knotts Island	1,744	1,637	6.5%	16,486	17,299	-4.7%
Hatteras - South Dock	29,308	27,491	6.6%	212,402	216,013	-1.7%
Swan Quarter - Ocracoke	3,696	3,564	3.7%	28,485	29,007	-1.8%
Cedar Island - Ocracoke	5,558	5,362	3.7%	39,846	40,937	-2.7%
Aurora - Bayview	4,922	4,722	4.2%	44,983	46,003	-2.2%
Cherry Branch - Minnesott	19,017	18,560	2.5%	177,250	176,314	0.5%
South Port - Fort Fisher	21,435	21,107	1.6%	184,049	180,113	2.2%
Emergency Ferry Rt.			N/A			N/A
Monthly Total	85,680	82,443	3.9%	703,501	705,686	-0.3%
Schedule Maintained	99.0%	99.3%	-0.3%	96.3%	95.6%	0.8%

Budget (Operations & Maintenance)						
		FY2017	Expenditures			
Departments	9	Spending Plan	through May 201			
Reservations & Tolls	\$	563,596.00	\$	467,820.28		
District 1 - Ferry Ops	\$	11,479,505.00	\$	10,555,982.83		
District 2 - Ferry Ops	\$	8,961,303.00	\$	8,305,316.19		
Ferry Equipment Maint	\$	13,704,533.00	\$	13,508,092.24		
District 1 Field Maint	\$	602,956.00	\$	524,123.32		
District 2 Field Maint	\$	507,564.00	\$	619,170.18		
Facility Maint	\$	503,926.00	\$	436,268.79		
Marine Maint	\$	1,233,740.00	\$	1,393,859.96		
Computer Network	\$	3,845.00	\$	387.41		
Ferry Div. Compliance	\$	1,664,034.00	\$	1,364,887.33		
Ferry Division TOTAL	\$	39,225,002.00	\$	37,175,908.53		



Status of Capital Reserves Funds					
Routes	WBS	WBS Balance as of	May 2017		
FER Sys Cptl All Routes	16SP.501.1	\$	367,386.00		
FER D1 Currituck-Knotts Island Cap Reserve	16SP.511.1	\$	28,167.12		
FER D1 Hatteras Inlet Cap Reserve	16SP.512.1	\$	233,523.33		
FER D1 Swan Quarter - Ocracoke Island Cap Reserve	16SP.513.1	\$	1,572,187.70		
FER D1 Ocracoke Island of OI-Cedar Island Cap Reserve	16SP.514.1	\$	1,433,918.08		
FER D2 Pamlico River Route Cap Reserve	16SP.521.1	\$	31,327.10		
FER D2 Cherry Branch - Minnesott Beach Cap Reserve	16SP.522.1	\$	159,095.42		
FER D2 Cedar Island of OI - Cedar Island Cap Reserve	16SP.523.1	\$	1,433,918.10		
FER D3 South Port - Fort Fisher Cap Reserve	16SP.531.1	\$	3,336,368.75		
FER Shipyard Capital Reserve	16SP.43	\$	1,019,458.41		
Total		\$	9,615,350.01		

Missed Trips Summary for Month Reporting					Shipy	ard Capital Reserve	e Brief		
Ferry Routes	Scheduled	Missed	Α	В	С	D	Expenditures	May 2017	Cumulative
Currituck - Knotts Island	356	4	2	2	0	0	16SP.43.1	\$15,827.00	\$751,142.79
Hatteras - South Dock	2,160	0	0	0	0	0	Receipts	May 2017	Cumulative
Swan Quarter - Ocracoke	204	4	0	0	2	2	16SP.43.2	\$10,964.34	\$1,770,601.20
Cedar Island - Ocracoke	222	0	0	0	0	0	Commitment Line Items		Value
Aurora - Bayview	434	0	0	0	0	0	Heavy Lift	Equipment	\$74,955.00
Cherry Branch - Minnesott	1,654	46	0	42	0	4			
South Port - Fort Fisher	960	4	0	2	2	0			
Monthly Total	5,990	58	2	46	4	6			

Missed Trips Legend: A-Weather, B-Mechanical, C-Inspections, D-Other

	Opu	iates oi	Comments			
_	_			•		

Missed Trips - Other: Swan Quarter-Ocracoke round trip -crew member family emergency; Cherry Branch - 2 round trips -ramp repairs.

Passenger Ferry: Bid Opening was 16 May / Project Awarded 30 May to Armstrong Marine

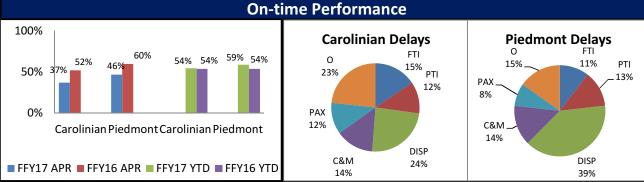
NORTH CAROLINA FERRY SYSTEM

Total Com	\$74,955.00	
Upcoming	Estimate	
Water towe	\$500,000.00	
Replace 30 year	\$100,000.00	
Develope Develop		

ing Receipts	Allibuit	
·		
		Nothing Compares
		NORTH CAROLINA

PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT						
	NCDOT RA	AIL DIVISION	for the I	Month of APF	RIL 2017	
			Ridership			
	FFY17 APR	FFY16 APR	Δ	FFY17 YTD	FFY16 YTD	Δ
Carolinian	25,525	22,858	12%	155,219	158,865	-2%
Piedmont	12,233	12,052	2%	88,284	92,570	-5%
Total	37,758	34,910	8%	243,503	251,435	-3%
Number of Trains Average Number of Passengers per Train						
FFY17 APR	FFY16 APR	Service		FFY17 APR	FFY16 APR	Δ
60	60	Caro	linian	425	381	12%
96	114	Pied	mont	127	106	21%
			Revenue			
	FFY17 APR	FFY16 APR	Δ	FFY17 YTD	FFY16 YTD	Δ
Carolinian	\$1,586,931	\$1,379,516	15%	\$9,564,446	\$9,769,625	-2%
Piedmont	\$261,040	\$245,397	6%	\$1,897,232	\$1,971,865	-4%
Total	\$1,847,971	\$1,624,913	14%	\$11,461,678	\$11,741,490	-2%
Amenities & Vending	Mo. Surcharge + Vending Income	\$17,948	Mo. Expense	\$2,582	Mo. Surplus	\$15,367

April 2017 service modifications impacted 28 Piedmont trains and 5 Carolinian trains. On April 10, Trains 73, 74, 75, and 76 operated between Kannapolis and Raleigh only, and Train 80 operated between Kannapolis and New York only due to PIP track work. On April 11 and 12, Trains 79 and 80 operated between Charlotte and Raleigh only due to CSX track work. Also beginning April 12, Trains 74 and 75 were cancelled Mondays thru Thursdays for the remainder of the month due to PIP track work, accounting for 20 cancellations. On April 24, Trains 73 and 76 were cancelled due to PIP track work. On April 25, Trains 73 and 76 were cancelled due to flash flood warnings resulting from recent thunderstorms. Disruptions for PIP project work will continue to occur as necessary through completion of the project. Average gasoline prices remained low in April 2017 but were \$0.31 per gallon higher than in April 2016.



*Carolinian and Piedmont delays were 8,351 and 3,377 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 Statisfaction					
	FFY17 MARCH	FFY16 YEAR-END	Δ		
Carolinian	71%	75%	-4%		
Piedmont	88%	90%	-2%		

*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 March eCSI for all Amtrak services was 80%.

North Carolina City Pairs with Largest Ridership					
	Carolinian	Piedmont			
1	Charlotte - Raleigh	Charlotte - Raleigh			
2	Raleigh - Washington	Charlotte - Durham			
3	Charlotte - Durham	Charlotte - Greensboro			
4	Durham - Washington	Charlotte - Cary			
5	Charlotte - Washington	Greensboro - Raleigh			
6	Greensboro - Washington	Cary - Greensboro			
7	New York - Raleigh	Durham - Greensboro			
8	Cary - Washington	Charlotte - HighPoint			
9	Washington - Wilson	Charlotte - Salisbury			
10	Charlotte - New York	Cary - Durham			

*Of the ten city pairs with the highest ridership, from the previous FFY month Raleigh - Washington had the largest increase of 30% and Charlotte - New York the largest decrease of 12% for the Carolinian; Charlotte - Salisbury had the largest increase of 63% and Durham - Greensboro the largest decrease of 37% for the Piedmont. Highlights indicate increased ridership from April 2016 for the station pairs.

Carolinian and Piedmont Total Ons-Offs at North Carolina Stations			
	FFY17 APR	FFY16 APR	Δ
Charlotte	13,211	11,943	11%
Raleigh	10,224	8,939	14%
Greensboro	8,488	8,142	4%
Durham	6,340	6,361	0%
Cary	4,410	4,224	4%
Wilson	2,460	2,078	18%
High Point	2,437	2,514	-3%
Salisbury	1,840	1,638	12%
Kannapolis	1,792	1,360	32%
Burlington	1,614	2,306	-30%
Rocky Mount	1,436	1,122	28%
Selma-Smithfield	901	623	45%

^{*}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 APR	FFY17 YTD		
Train Host Volunteer Hours	695	6,057		

Go. Reconnect.





Public Transportation Division

Facility Openings in May 2017

Coble Transportation Center Ribbon Cutting: May 17, 2017



Go Raleigh Bus Station Renovation Open House: May 23, 2017



At the NCPTA Annual meeting, PTD presented awards in several categories:

- Governor's Award: This year's award winner was Sig Hutchinson, Wake County Board of Commissioners Chairman, for his perseverance and leadership in initiatives such as the 2016 Wake County Transit Tax referendum.
- Retiree Recognition: Ray Boylston, Nancy Painter and Keith McCoy for over 20 years of service and Charlie Patton for 10-19 years of service. Nancy has 34 years with PTD.
- Hurricane Matthew Heroes:
 - Stuff A Bus Go Triangle, Go Raleigh, Chapel Hill Transit, Piedmont Authority for Regional Transportation and their Partners.
 - Extraordinary Service by transit systems in Goldsboro, Johnston, Robeson, Beaufort, Fayetteville, Lenoir
 - Lending a Vehicle Mecklenburg, Hoke, Richmond

PTD Activities Underway

June 2017 Activities

Training:

- Excel, SharePoint
- PTD and Sub-recipient FY18 Success Plans
- Natural Disaster Training
- Transportation Planning Branch Cross-training

Meetings Attended:

- NCPTA Annual Conference
- Strategic Executive and Technical Committee Meetings
- FTA's Not Just a Ride Learning Collaborative (Special Populations Workgroup)
- STI P5 Workgroup and Subgroup/Webinars
- Strategic Plan Stakeholder Interviews/Presentations
- Passenger Ferry Team Meeting

Upcoming:

- PTD Conference: Sept. 25-27, 2017
- Grant webinars
- FTA State Safety Oversight Audit
- FTA's States Meeting

The PTD Success Plan is available online under the *Transit Providers* tab.

Public Transportation Statewide Strategic Plan available at Strategic Plan Website



NORTH CAROLINA

Department of Transportation



















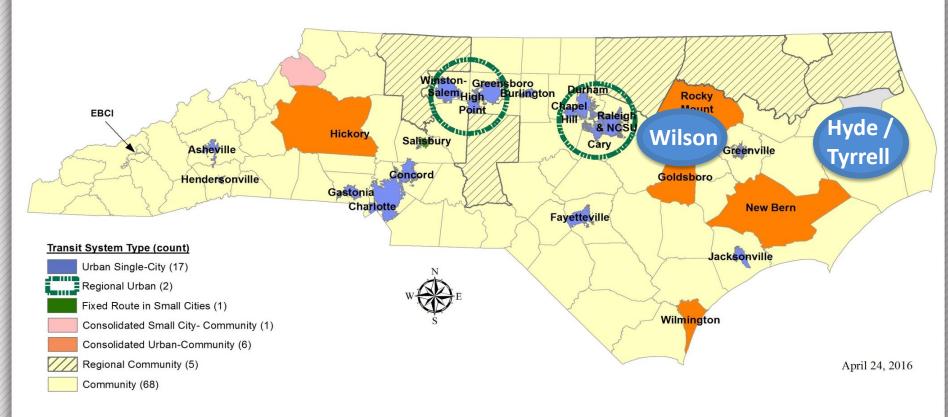
Public Transportation Division

Debbie Collins

June 28, 2017

Highlights

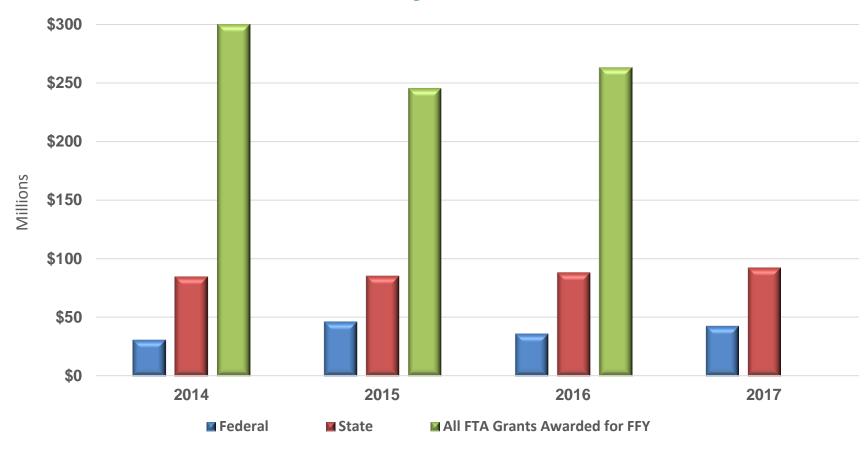
North Carolina Public Transportation Network





Expected new regional / consolidated systems on July 1, 2017
Salisbury and EBCI – FTA Direct Recipients

Federal Transit Administration and State Highway Fund Projects - Managed by NCDOT by Fiscal Year



Federal Transit Administration (FTA) Grant Awards for FFY 2017 available in January 2018

Control

20 Federal Oversight Areas

	Zu i edelai Oversigiii Areas						
1	Financial Management & Capacity	10	Planning / Program of Projects				
2	Technical Capacity	11	Public Comment–Fares & Service Changes				
3	Maintenance	12	Half Fare				
4	Americans with Disabilities Act (ADA)	13	Charter Bus				
5	Title VI	14	School Bus				
6	Procurement	15	Security				
7	Disadvantaged Business Enterprise	16	Drug Free Workplace/ Drug and Alcohol Program				
8	Legal	17	Equal Employment Opportunity				
9	Satisfactory Continuing	AND	Safety (SMS), NTD, TAMS				

STATE

NC Grants, single audit

FY 17 New State Funding

Rural Operating Assistance Program (ROAP)

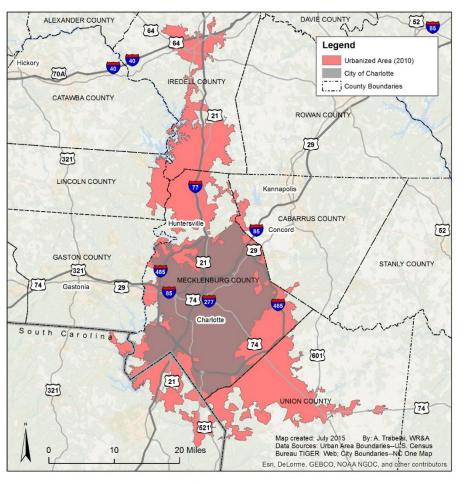
- \$2 M additional funds
- Requirements
 - Quarterly Reports
 - ½ of 1% withheld for late reports

State Maintenance Assistance Program (SMAP)

- \$2 M additional funds
- Requirements
 - Quarterly Reports
 - ½ of 1% withheld for late reports
 - GTFS Feed by June 20, 2016
 - Large UZAs must have 5307 allocation plan

Urban / Rural Graduation Successes – 5307 Distribution

Charlotte 2010 Urbanized Area



- Generated 5307 FY16
 Allocation all urbanized areas
- Created and implementing Cost Allocation model to designate rural and urban cost splits
- 9 of 11 Large UZAs have adopted a 5307 cost allocation plan
- FY18 5307 funding for 8 large UZA 5311 recipients through NCDOT from 4 MPOs
- Other MPOs using sub recipient models to distribute funds

New 5311 Formula Implemented

Goals

- Supports coordination model
- Supports regionalism
- Rewards performance
- Every county receives funding
- Formula driven
- Simple and transparent
- Flexible system defines how using funding
 - SUCCESSES used allocation for Operating and Administration:
 - Avery County Transportation
 - YVEDDI

Formula

- Supports administration and operations
- Capital focus on replacement vehicles

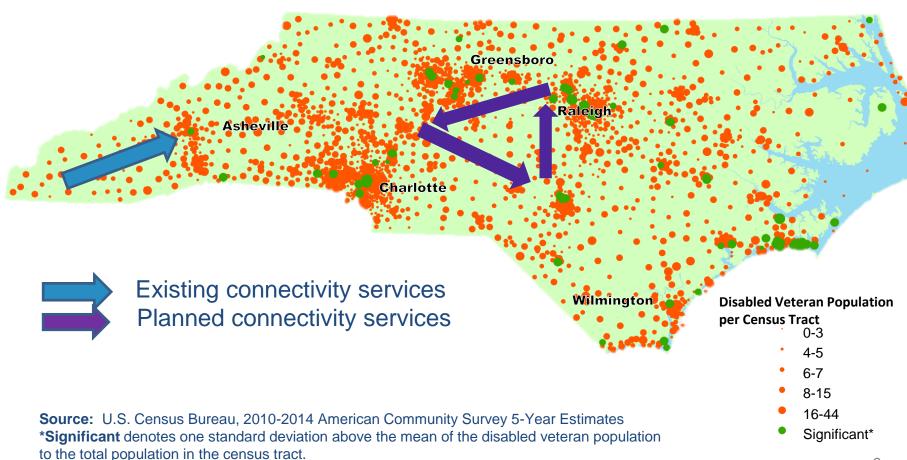
Three tiered formula:

- Base tier: \$30,000 is allocated for every county a community transportation system serves
- Needs tier: Uses FTA 5311
 Formula rural population, rural land area, low-income population and revenue vehicle miles
- Performance tier: 10% of total
 5311 and 5340 grantee funding

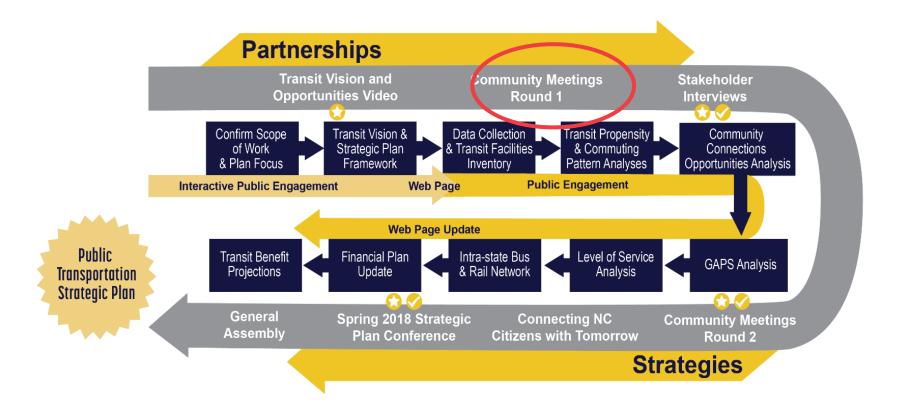
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PUBLIC TRANSPORTATION STRATEGIC PLAN

Connecting North Carolinians to Opportunities





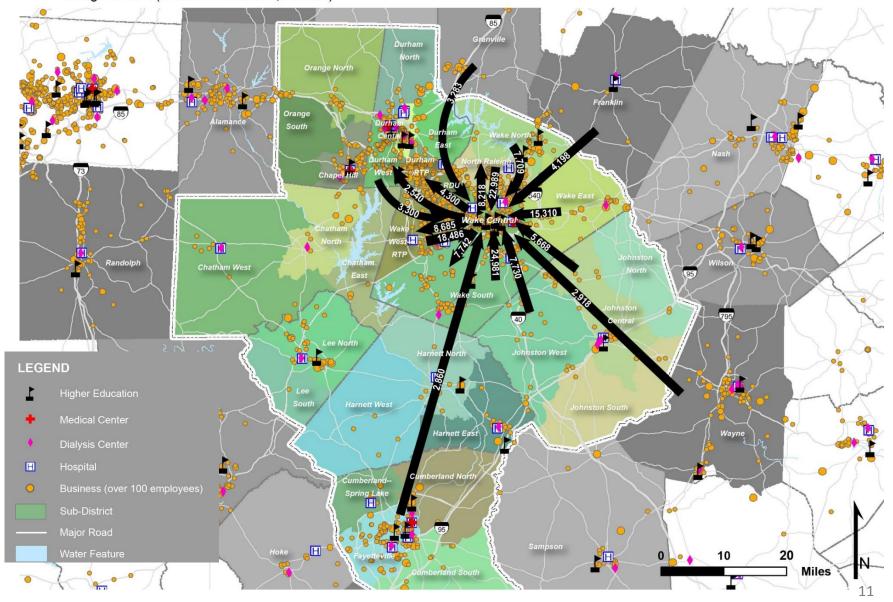


Executive Leadership Committee

Technical / Steering Committee

Sub-District Commuter Flow Analysis

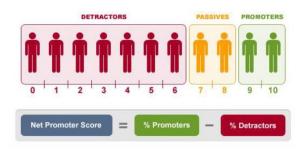
Triangle District (Source: LEHD 2014, All Jobs)



What Are We Already Doing?

- Performance Plans
 - For CCPs
 - Technology Implementations
- 5 Year Budgets / Budget model / Cost allocation
- Transit Asset Management
 - Replacement Plan
- Benefits of Transit
 - Statewide and by system
- Vehicle Utilization Data 14 days annually
- Operating Statistics
 - Peer Analysis
- Success Plans
 - All 81 rural systems focused on defining / measuring success moments

Net Promoter Score is simply the percentage of **promoters** minus the percentage of **detractors**.



SUCCESS Plan

2017-2018



Community Connectivity Plans (CCP)

Includes all of our previous planning elements

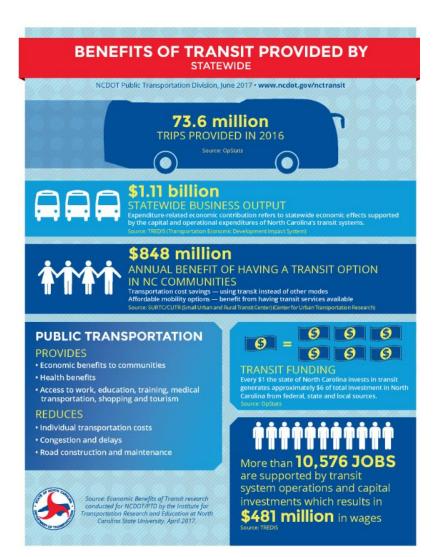
Sized in two categories

Allocates resources in a five year horizon

Integrates regional connectivity

Uses the **Success Plan** as a multi year implementation program

Combines each agency's annual Success Plan and Performance Scorecard



Future

Comprehensive Transportation Plan

Where project planning starts

What if

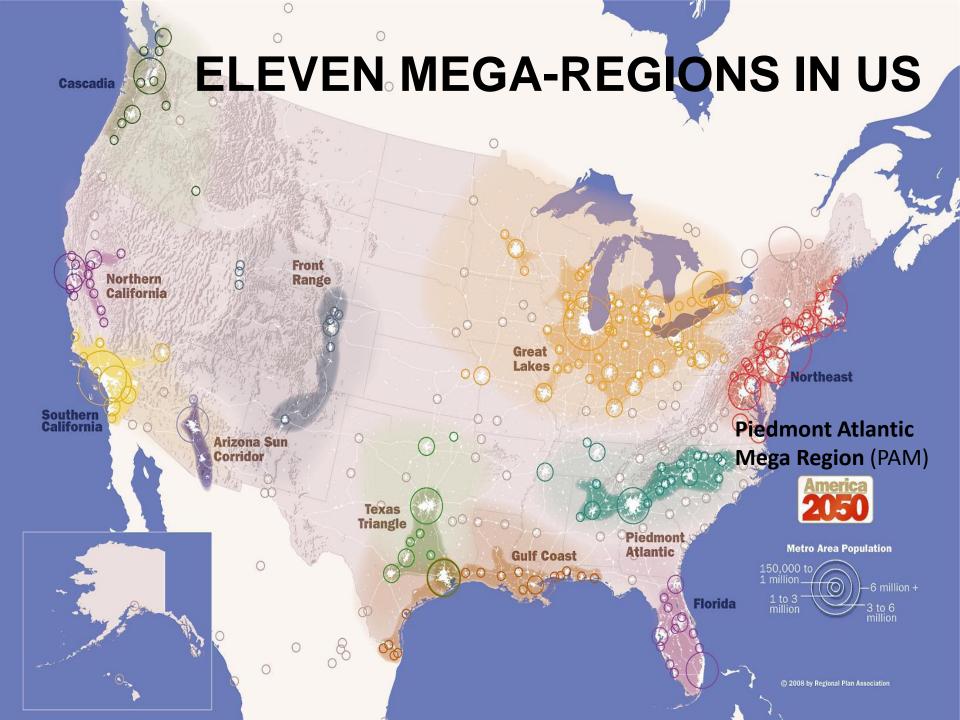
- define transit corridors
- shorten project development and delivery
- reduce costs / share costs differently?

Examples

- 17' shoulders for Bus on Shoulder (when system breaks down)
- Chapel Hill BRT on MLK / Hwy 86
- Wake County Transit Plan







What's next?





Plan on larger scale

Strategic Plan draft recommendations

How to move forward

Examples of transit corridor what ifs

- 17' shoulders for Bus on Shoulder (when system breaks down)
- Chapel Hill BRT on MLK / Hwy 86
- Wake County Transit Plan

Discussion

Thank you!



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NCDOT Rail Division The Rail Report





Governor Cooper Announces Borealis Compounds Will Operate New Plant in Alexander County Automotive Supplier Will Create 37 Jobs in Taylorsville

Borealis Compounds, Inc., a supplier of plastic materials to the automotive industry, will locate a new production facility in Alexander County. The company plans to initially invest \$15 million in the new plant and create 37 jobs in Taylorsville.

The NCDOT Rail Division is contributing \$175,000 towards the construction of a 2,000 foot double siding track for this facility.

"North Carolina is known for its a vibrant network of automotive industry suppliers, and Borealis is a welcome addition," Governor Cooper said. "These are exactly the kinds of good-paying, advanced manufacturing jobs that communities like Taylorsville need, and our skilled workers are ready to get to work."

Borealis AG, with global headquarters in Vienna, Austria, serves a variety of industries, including automotive, energy, and consumer products sectors. The company's applications in the automotive industry include bumpers, body panels, trims, dashboards and other key components. Borealis Compound's new North Carolina facility will serve automotive industry customers in North America.

"North Carolina offers an ideal East Coast location," said North Carolina Commerce Secretary Anthony M. Copeland. "Combined with the state's superior transportation network, companies can easily reach their markets across North America." N.C. Commerce and the

Economic Development Partnership of N.C. were instrumental in supporting the company's investment decision.

"This investment shows our sustained commitment to the automotive industry in North America. North Carolina was a logical choice for us. Its location allows us to service customers across the North American region and we value the supportive, business-friendly environment of the State and of Alexander County," says Maria Ciliberti, Borealis Vice President Marketing and New Business Development. "We're convinced that this expansion will strengthen our position as a local supplier to automotive OEMs and their Tier suppliers in North America and that it will enable us to deliver our global material innovations locally. We believe it is important to step up our capacity, capabilities and support infrastructure, to ensure that our customers in North America receive the same high level of service as in the other regions where we operate."

"Borealis is bringing new jobs and new investment to a community that needs, and deserves it!" said N.C. Senator Andy Wells.

"Many partners in the community came together to support Borealis' selection of Alexander County," said N.C. Representative Lee Zachary. "We look forward to the many good things this company will bring to the area."

Rail Director Paul Worley to Retire July 1



After graduating from Campbell University in 1988, Paul began his career in the Department of Transportation as a Public Information Officer (PIO). As a PIO for the Rail Program and all things "transit," Paul's love for railroads culminated with a position in the department's newly formed Rail Division as the Rail Corridor Manager.

At a time when the Rail Division was in its

infancy, Paul played an integral role in the evolution of North Carolina's rail program, especially in the areas of crossing safety, utilizing new technologies and eliminating crossings. As rail became more prominent in North Carolina, he was promoted to Assistant Director for Rail Engineering and Safety and created the branch offices located at the Capital Rail Yard. Through his insight and knowledge of Rail and government, he worked with department leaders, legislators and citizens to help build a multi-million dollar program that has become nationally recognized and a model of success for other states to follow.

Since joining the Rail Division, Paul received his Certified Public Manager designation and his Human Capital Strategist Certification. In addition, he has received numerous awards and accolades, including The Order of the Long Leaf Pine, several community outreach and safety recognitions, Excellence in Engineering awards and Extra Mile

The Transportation Research Board, National Committee on Uniform Traffic Control Devices, Rail Safety Advisory Committee, and North Carolina Operation Lifesaver, are only a few of the boards and committees that Paul currently serves on.

As Paul's career with DOT comes to an end, the building blocks that were put in place during the early years will continue to set the tone for the future of rail in North Carolina.

We wish him much happiness and baseball in his retirement, and expect to hear more from him as he begins a second career in the private sector.

A reception honoring Paul's career at NCDOT is scheduled for Thursday, July 13, 2:30-4:30 p.m., in the NCDOT Board Room, 1 South Wilmington Street, Raleigh, NC

Coastal Carolina Railway Completes 2014 SIAP Grant Project

Coastal Carolina Railway recently completed a \$1.148M rail improvement project, with half of the funding provided by a grant from the 2014 Short Line Infrastructure Assistance Program. This grant included: the installation of a double one-way low speed diamond with CSX A-Line in Wilson; installation of 438 bridge timbers at MP 126.1; 1,765 cross ties on BH line; installation of 7,920 track-feet of 100 pound rail; and 34,320 track-feet of ballast and surfacing on the ABA line. The improvements will reduce maintenance costs and

greatly improve railroad efficiency in these areas. In addition, the rail replacement on the ABA line will allow for the railroad to handle 286,000 pound cars. The double one-way low speed diamond was completed early last year.







Rail replacement near Farmville

Tie replacement on the swing bridge over the Pamlico River in Washington

Great Smoky Mountain Railroad Crossing Improvements Completed

The NCDOT Rail and Highway Division 14, along with the Great Smoky Mountain Railroad, recently completed crossing improvements to two at grade crossings on the GSMR's tracks in Jackson County, N.C. The crossings at Barkers Creek Road and Wilmont Road were in poor condition and created a rough crossing for motorists.

The projects consisted of replacing both crossings with a modular concrete "tub" style crossing. This type of crossing provides a smooth surface for motorists and does not require ties or ballast in the



Barker's Creek Road, before and after



crossing, so it will last for many years and is low maintenance for the railroad.

GSMR contributed the labor for the installations, while NCDOT Division 14 provided the asphalt work and traffic control during the installation process. Rail Division FRRCSI funding provided \$75,000 for materials.



Wilmont Road, before and after



Greensboro Pedestrians and Motorists Learn Lifesaving Rail Safety Tips



On June 2, business patrons, motorists and pedestrians received information about the dangers of walking on or near railroad tracks — tips that could potentially save their life.

The N.C. Department of Transportation's BeRailSafe education initiative partnered with rail safety advocacy group North Carolina Operation Lifesaver to distribute railroad safety information to patrons of businesses along East Market Street in Greensboro, all of which border or are near railroad tracks. Small bags imprinted with a rail safety message were distributed for merchants to share with customers.

"There have been 12 train-related fatalities and 17 injuries in North Carolina since January, all of which could have been avoided," said N.C. Operation Lifesaver state coordinator Margaret Cannell. "This is a critical safety issue that all North Carolinians need to be informed about."

This educational awareness event was part of a 40-country International Level Crossing Awareness Day, which focuses on promoting safe behavior by motorists and pedestrians around street-level railroad crossings and train tracks.

"The tragedy of one train-related death, whether the result of a person trespassing or a motor vehicle crash, tremendously impacts the railroad and the community it serves," said NCDOT Rail Division Director Paul Worley.
"Ultimately, it is up to the motorist to obey all rules of the road and use good judgment when approaching crossings."



Important Rail Safety Tips for Pedestrians and Motorists:

Pedestrians:

- Never walk or run on railroad tracks. Remember: "Tracks are for trains. Stay away and stay alive."
- Walking on or near railroad tracks is dangerous and illegal.
 Trains in North Carolina operate up to 79 miles per hour and can take more than a mile to completely stop. Also, tracks are on private property; you risk being cited for trespassing.
- Do not cycle or operate all-terrain vehicles (ATVs) on railroad tracks or railroad rights of way.
- Do not hunt, fish or bungee jump from railroad trestles. They
 are not designed to be sidewalks there is only enough
 clearance for a train to pass.
- Always look both ways before crossing railroad tracks and cross only in designated areas.
- Do not cross tracks when gates are down.
- Be aware that trains may operate any time throughout the day and night in either direction.
- Do not attempt to hop on board railroad cars or locomotives at any time.

Motorists:

- Always stop your vehicle when crossing gates are down or lights are flashing. Wait for the crossing gates to rise and lights to stop flashing. Look both ways, listen, and proceed with caution.
- Never stop your car on railroad tracks. When approaching an intersection at railroad tracks, keep your car behind the white lines.
- If your car stalls while crossing the tracks, get out immediately and call 911 or the emergency notification number located on a blue sign on the railroad signal equipment. If a train is coming – abandon your car! Proceed quickly toward the train at a 45 degree angle so that if the train strikes your car, you will be safe from flying debris.
- Be aware that trains may operate any time throughout the day and night in either direction.





BeRailSafe works with North Carolina Operation Lifesaver, railroads and other safety stakeholders to educate children, teens and adults on the dangers of trespassing on railroad tracks, property and equipment.



Kick-Off Summer Adventures with \$5 Kids Fare

Families looking for fun summer adventures can enjoy a special \$5 kids fare to travel the rails in North Carolina.

From June 1 through Aug. 31, customers can use discount code V626 when booking at NCByTrain.org to take advantage of the oneway \$5 fare for up to two children ages 2-12 with the purchase of a regularly priced adult ticket. This offer is valid for travel on Tuesdays, Wednesdays, Thursdays and Saturdays. Terms and conditions apply.

Families can hop on board at any of the cities below when traveling NC By Train:

Charlotte, Kannapolis, Salisbury, High Point, Greensboro, Burlington, Durham, Cary, Raleigh, Selma, Wilson, Rocky Mount

NC By Train's *Piedmont* and *Carolinian* trains are sponsored by the N.C. Department of Transportation and operated by Amtrak. These trains provide daily service from Raleigh to Charlotte, plus seven additional stops in between.



NC By Train staff was on hand at Cheerwine's 100th Anniversary Celebration in downtown Salisbury on May 20 to share train information and answer questions about passenger train service.

Ridership & Revenue on NC By Train Service – *April 2017 vs. 2016

min asa	RIDERSHIP			REVENUE		
1111 \$3\$	2017	2016	% +/-	2017	2016	% +/-
Piedmont	12,233	12,052	2%	\$261,040	\$245,397	6%
Carolinian	25,525	22,858	12%	\$1,586,931	\$1,379,516	15%

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

April 2017 service modifications impacted 28 *Piedmont* and five *Carolinian* trains. On April 10, Trains 73, 74, 75 and 76 operated between Kannapolis and Raleigh only, and Train 80 operated between Kannapolis and New York only due to PIP track work. On April 11 and 12, Trains 79 and 80 operated between Charlotte and Raleigh only due to CSX track work. Beginning April 12, Trains 74 and 75 were cancelled Mondays through Thursdays for the remainder of the month due to PIP track work, accounting for 20 cancellations. On April 24, Trains 73 and 76 were cancelled due to PIP track work. On April 25, Trains 73 and 76 were cancelled due to flash flood warnings resulting from recent thrunderstorms. Disruptions for PIP project work will continue to occur as necessary through completion of the project. Average gasoline prices remained low in April 2017 but were 31¢ per gallon higher than in April 2016.

Construction of New Raleigh Transit Center Sparks Business Development



Starting in early 2018, Amtrak customers traveling on the *Carolinian* and *Piedmont* will be greeted with a new multimodal transit center in downtown Raleigh's Warehouse District. The \$79.8 million Raleigh Union Station Project moves passenger rail from the current station on Cabarrus Street to the new facility less than a mile away on West and Martin Streets.

The project includes the rehabilitation of the Dillon Supply warehouse, track and platform construction, signal and switch improvements and the extension of West Street under the tracks. The project will occur in two phases.

Phase I of the project includes: the construction of a larger waiting room and better amenities for Amtrak passengers; a center island passenger platform with level-boarding to provide better access for wheeled-mobility devices and strollers; an enclosed concourse between the station and platform; commercial rental space that can be used for retail, office or restaurants; and a large public plaza that will provide an urban gathering space. Sustainable features include green roof areas and other stormwater management features, a pollinator garden and tactile wayfinding for customers who are blind or have low vision.

The next phase of the project is planned to accommodate additional intercity and intrastate rail services, regional commuter rail, local and regional buses, taxis, bicycles and other forms of transportation.

Once completed, the multimodal center will accommodate current and future demand for rail and transit services in Raleigh and will be a boon for ridership. (The FY 2016 ridership for Raleigh was 155,191.) It has already sparked nearby business and residential development, a welcome sign of growth in the downtown area.

"The Union Station project stands to change the economic development potential of the Warehouse District," Raleigh Mayor Nancy McFarlane said. "It will replace what is currently an underutilized collection of warehouses and vacant land with a new city landmark that will not only serve as a multimodal transportation hub, but also a civic space with potential for special events and expanded dining and entertainment options downtown. The station will drive development and growth throughout Wake County and the state."

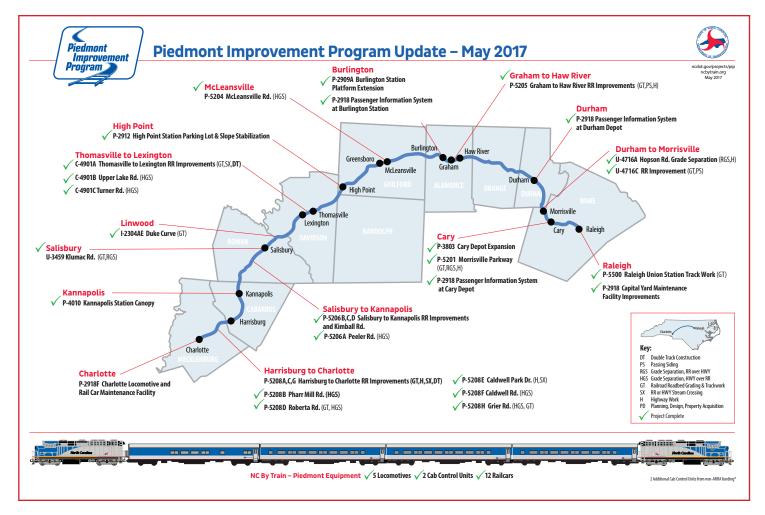
Paul Worley, Rail Division director, N.C. Department of Transportation, agreed. "When it opens, we're going to see a rise in ridership, better connectivity between trains and city buses and a walkable environment for our customers to the downtown area. We will have a true center city connection. The vision from the city, NCDOT and our Amtrak partners is going to be very significant for Raleigh."

Stephen Schuster, from Clearscapes, is the principal architect on the project. He lives in a loft near the site of the new center and can see the emerging landscape from his window. He appreciates the deep history of the railroad and industrial heritage in the Warehouse District and says that knowledge influenced the center's design. He also shares McFarlane's and Worley's enthusiasm of what it means for their community and said that the public and members of the Amtrak team were fully engaged throughout the design stage. "Amtrak had a major impact on the final feel and plan of the building," he said. "Ticketing, baggage, access to the platforms, the location of the crew base in the addition behind the building—all of that is a direct result of the input from the Amtrak team."

Schuster added, "This is going to be a great station—but it's more than that. It's also an economic driver of this entire part of downtown. The more than \$100 million private development happening across the street would not have happened without the Raleigh Union Station Project happening first."



Raleigh Union Station, left, sparked development of The Dillon, a mixed-use private development to the right.



Piedmont Improvement Program Milestone

Charlotte - On May 22, a significant segment of double track was put into service on the Haydock to Junker project. The southern 9.4 miles of the 12.2-mile project are now in service between CP Shamrock and CP Junker with trains operating on both tracks. With this work complete, the focus is now on completing the remaining track work on the northern segment for a final project cut-in by the end of June.



CP Shamrock



Removing CP Haydock from service and lining for second track

Spent to Date of \$520M (effective 5/31/2017)

Component	Expenditure
PD&A/ROW	\$57,502,838
Equipment Procurement & Rebuild	\$32,165,707
Stations & Facilities	\$61,795,410
Track & Structures	\$338,345,562
CRISP	\$2,180,376
Program Totals	\$491,989,895

Three new contracts totaling \$303,360 were awarded in May.

Piedmont Improvement Program Track and Structures – Project Photos (May 2017)



P-2918 Charlotte Locomotive & Railcar Maintenance Facility Administration Building construction



P-2918 Charlotte Locomotive & Railcar Maintenance Facility rail yard construction



P-5206 Reid to North Kannapolis completed track



P-5206 Reid to North Kannapolis completed track



P-5208 Haydock to Junker track construction



P-5208 Haydock to Junker track construction



Locomotives 1871 Town of Cary and 1984
City of Kannapolis, as well as Cab Control Unit
101, are complete and have arrived at Capital
Yard. All three vehicles were rebuilt with ARRA
funding. The units will go through acceptance
testing within the next few weeks before going
online for regular daily service between Raleigh
and Charlotte. The photos below are of the
equipment mid-rebuild at Norfolk Southern's
Altoona, PA facility.

















NORTH CAROLINA

Department of Transportation



















Safety & Risk Management

Rob Barfield

June 2017

Multi-Employer Worksites

- Direct Liability
- Indirect Liability
- Contractor Incidents
- CEI's





June is Safety Month!

Heat Stress Insect Bites - Tick Bites are up 400% in NC compared to 2016.



State of North Carolina

ROY COOPER

GOVERNOR

SAFETY MONTH

2017.

BY THE GOVERNOR OF THE STATE OF NORTH CAROLINA

APROCLAMATION

WHEREAS, the State of North Carolina encourages employees and officers to take safety awareness across the state to support an effort to stop work-eclated finalities and injuries; and

WHEREAS, according to the United States Hereau of Labor Statics, work-related fatalities in 2014 increased for the first time since 2010, climbing to more than 13 per day for a total of 4,821 people, including 4,844 near and 367 women, most between 45-64 years of age; many of these fatalities, 1,984, were due to temporation related incidents; and

WHEREAS, workers can take a moment to identify their task, assess the basards, mirigate the humanta, perform the task with controls, and re-essess when their work conditions change; and

WHEREAS, supervisors and managers are encouraged to plus safety-related activities anytime during the month of June; and

WHEREAS, the State of North Carolina encourages of North Carolina workers to raise assurances of work-extract hazards.

NOW, THEREFORE, L. ROY COOPER, Governor of the State of North Carolina, do hereby gradulin Jane, 2017, as "SAFETY MONTH" in North Carolina, and continend its observance to all existents.



Por Corper Burk Congress Governor
Proclaimed
June as
Safety Month

IN WITNESS WHEREOF. I have berranno set my hand and offixed the Great Seal of the State of North Carolina at the Capited in Radaigh this firm day of func in the year of our Lord two thousand and seventeen and of the Independence of the United States of America the two hundred and forty-first.

Initiatives & Updates

- Accident/Incident 7-line reporting tool
- Any-Risk Program is continuing to prepare for pilot rollout
- 4-Day After Incident Reporting
- Supervisor Safety Academy Training dates

West Region	Central Region	East Region
Divisions 14 13 12 11 10	Divisions 98765	Divisions 4321 Ferry

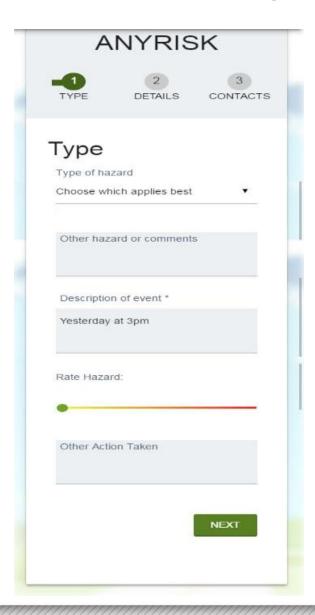
Nov 14 to 16 Dec 5 to 7 Feb 6 to 8

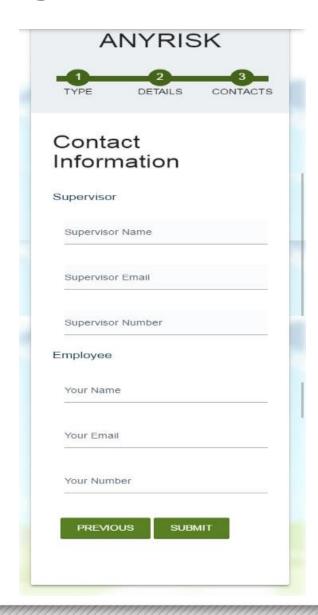
- Work Zone Intrusion System Division 13 and 9 are evaluating new technology to alert workers within work zone of intrusions and backing issues
- Vivid Learning Systems Online Pilot has started in Division 5 and Division 8
- Workers' Comp Annual File Review in progress

NCDOT INCIDENT/ACCIDENT 7-LINE REPORTING
Date/Time Weather
Priority: Medical Care for injured, safety of crew & equip., notify supervisory staff, preserve scene, if possible (if not, take scene photos) and record timelines.
Line 1. Location-type of incident/accident.
Line 2. Worksite supervisor.
Line 3. Number of Injured (Who-NCDOT/Contractor/ Citizen), type injury/transported to/treated at scene.
MORTH
OF CAO
124
Line 4. Responders (LE/Fire/Medical) (Who/Agency):
0
* * *
Line 5. Special NCDOT equipment requested by Incident Commander (scene issues):
The state of the s
- \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Line 6. HAZMAT Contamination (Type Quantity Placards)? (Refer to: Emergency Response Guide (ERG))
Petroleum
Food (Edible Non-Edible)
Chemical/Bio
Explosive/Nuclear
Other
Line 7. Notified NCDOT (Who/time).
USE BACK OF CARD, if needed CALL DIVISION ENGINEER AND 1-866-361-1818 COMMUNICATE TO SAFETY ENGINEER, ASAP (Effective June 12, 2017)

7-Line Reporting

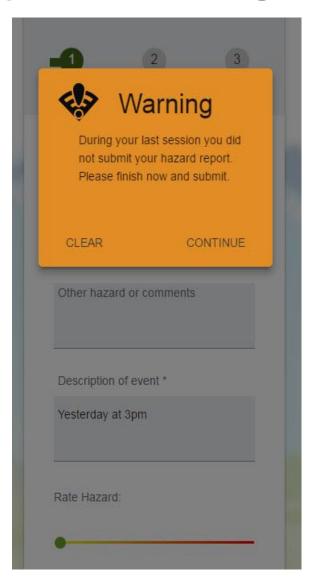
Any Risk Program





Any Risk Program







4-day After Incident Briefing



NORTH CAROLINA

Department of Transportation



















Executive Team 4-Day Incident Briefing

Creator's name

Date

INCIDENT INVESTIGATION TEAM

Investigators

Name, Division Name, Safety and Risk Management

INCIDENT CLASSIFICATION

- Owning Unit.
- Classification. Fatal, Serious (Employee Injury with hospitalization)
- Type. General Industry, Construction (type task)
- Date of Incident. (day, date, time)

INCIDENT OVERVIEW

• Who.

What.

When. (day, date, time)

• Where.

BACKGROUND INFORMATION

- DOT Employee since
- Occupation Classification
- Work Schedule
- Employment Status
- Supervisor
- Training

CURRENT WC CLAIM

- Injury.
- Hospitalized # days.
- Will require additional evaluation by Orthopedic/Other specialist.
- Potential Surgery.
- Potential Physical Therapy.
- Out of work time: estimated 24 weeks.
- · Other personal medical history not available.

WC CLAIM COST

- Direct Cost. \$ (current date).
- Indirect Cost. \$ (estimated).
- Total Cost \$ (estimated).

If DOT was construction private business at 1.8% Profit Margin. Additional sales required to recoup cost?

\$. (USE OSHA Calculator)

PRELIMINARY INCIDENT SUMMARY, CONTINUED

Weather conditions;

Potential Contributing Factors.

- 1.
- 2.
- 3.
- 4.

Executive Management APPROVAL

RECOMMENDATIONS.

- 1. Approved ____ Disapproved ____ Additional Discussion ____
- 2. Approved ____ Disapproved ____ Additional Discussion ____
- 3. Approved ____ Disapproved ____ Additional Discussion ____

Questions?

Vivid Learning Systems

- Partnered with University system to provide online training
- Topics include Occupational Safety & Health, Personal Protective Equipment, and Environmental Management

Vivid Learning Systems

- Available in LMS format
- Courses designed for Safety professionals
- Course offerings include:
 - Aerial and Scissor Lift Safety
 - Asbestos Hazard Awareness
 - Back Safety and Injury Prevention
 - Behavior Based Safety
 - Bloodborne Pathogens (BBP)
 - Cardiopulmonary Resuscitation (CPR)
 - Chemical Safety
 - Chlorine Safety
 - Cold Stress
 - Compressed Gas Safety

- Confined Spaces
- Confined Spaces Entry Permit Required
- Criticality Safety
- Distracted Driving
- Driver Safety
- Electrical Safety
- Emergency and Fire Safety Preparedness
- Excavation, Trenching and Shoring Safety
- Fire Extinguisher Safety (Portable)
- AND MANY OTHERS



ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

BOARD OF TRANSPORTATION AUGUST 1, 2017

TIME: 4:30 PM

LOCATION: O'Henry Hotel – Hawkins Brown Room (Greensboro, NC)

Торіс	PRESENTER	Тіме
Call to Order	Mike Fox, Chair	4:30 PM
Roll Call		
Declaration of Quorum		
Non-Conflict Statement		
Approval of June 2017 Road/Bridge/Ferry Naming Committee Meeting Minutes		
Captain Richard Etheridge – NC 12 Pea Island Bridge, Dare County, Division 1 (Moran)	Leigh Wing	4:35 PM
Adjourn	All	4:45 PM