



Technical Coordinating Committee (TCC) Meeting
Tuesday, August 15, 2017 • 12:00 p.m.
Hanging Rock State Park Visitors Center
1790 Hanging Rock Park Rd, Danbury, NC 27016

AGENDA

Welcome and Ethics Statement	Andrew Meadwell
Presentation	
I. P5.0 Update	Elizabeth Jernigan
Action Items	
II. TCC Minutes – June 20, 2017	Andrew Meadwell
III. Prioritization 5.0 Project Submission List	Andrew Meadwell
IV. Prioritization 5.0 Division Needs Alternative Criteria	Andrew Meadwell
Discussion Items	
V. Methodology Review	Elizabeth Jernigan
VI. 2018-2027 STIP	Elizabeth Jernigan
Informational Items	
VII. Division 9 Updates	Division Staff
VIII. Division 11 Updates	Division Staff
IX. TPB Update	TPB Staff
X. RPO Updates	Elizabeth Jernigan
New Business	TCC Members
Adjournment	Andrew Meadwell

Next Meeting: Tuesday, October 17, 2017, Mount Airy



Agenda Item

Agenda Item I.

STI Prioritization and Programming Process

Background

Elizabeth Jernigan will provide a brief overview and update of P5.0.

Action Requested

Review included PowerPoint Presentation.



NORTH CAROLINA

Department of Transportation



STI Prioritization and Programming Process

DIANE K. HAMPTON, PE, MSCE NCDOT Division 9

“Article 14B.

Strategic Prioritization Funding Plan for Transportation Investments.

§ 136-189.10. Definitions.

The following definitions apply in this Article:





STATE TRANSPORTATION IMPROVEMENT PROGRAM (STIP) Volume 1 (Divisions 1-7)



2018-2027

2017

AUGUST 2017

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

Today's Roadmap

- 1. State Transportation Improvement Program (STIP)**
- 2. Strategic Transportation Investments (STI) Law**
- 3. P5.0 Scoring**
- 4. Scoring and Programming Process**
- 5. P5.0 for NWPRPO, CRMPO, HPMPO, WSMPO**
- 6. Great New Projects for Division 9**



State Transportation Improvement Program (STIP)

STIP identifies funding and scheduling of projects in NCDOT's capital program (55% of DOT Budget)

10 Year Program (currently 2018-2027)

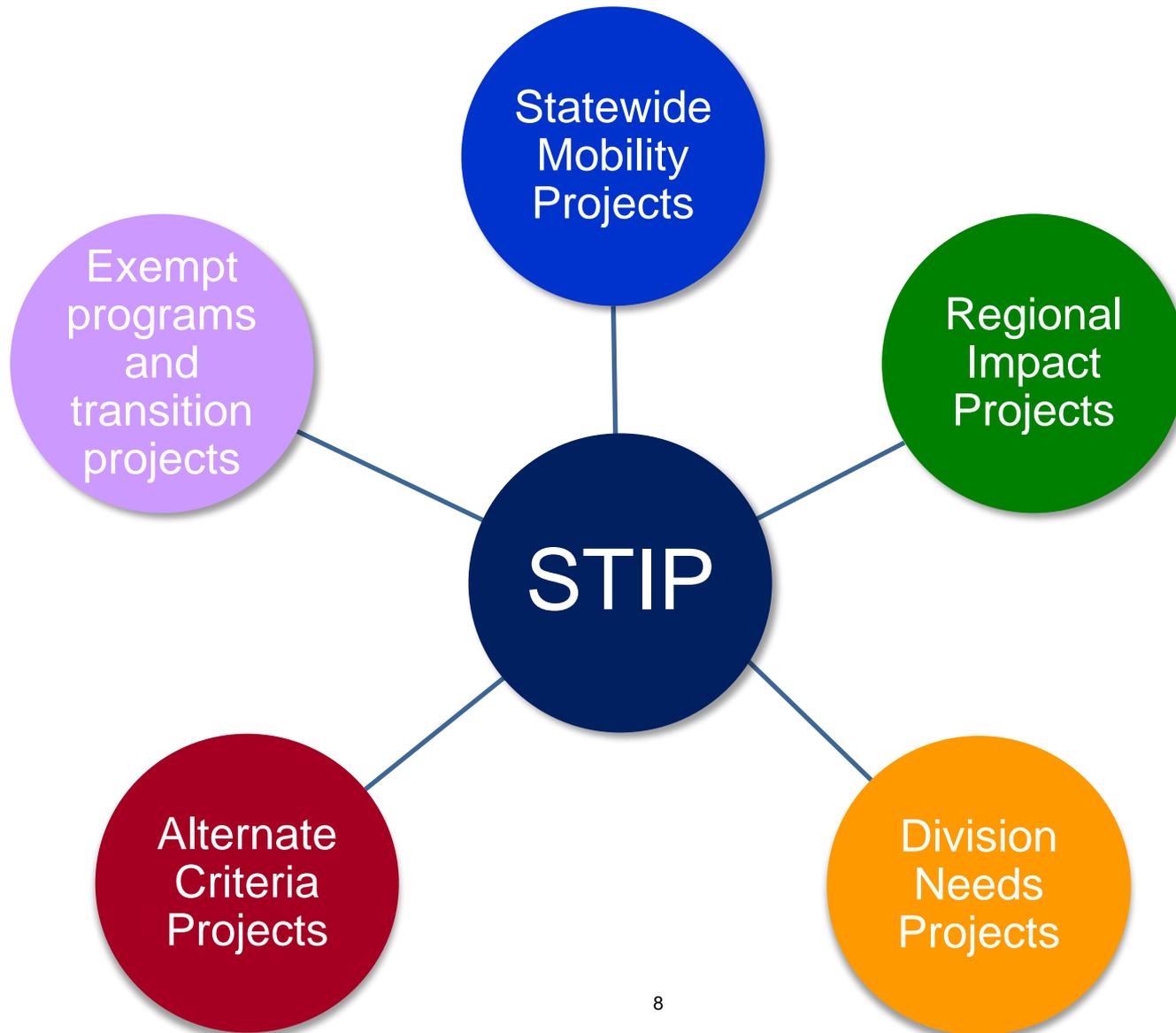
- 1st Five Years is “Delivery STIP” – committed projects
- 2nd Five Years is “Developmental STIP” – projects in early scoping and environmental development stage

Updated every 2 years

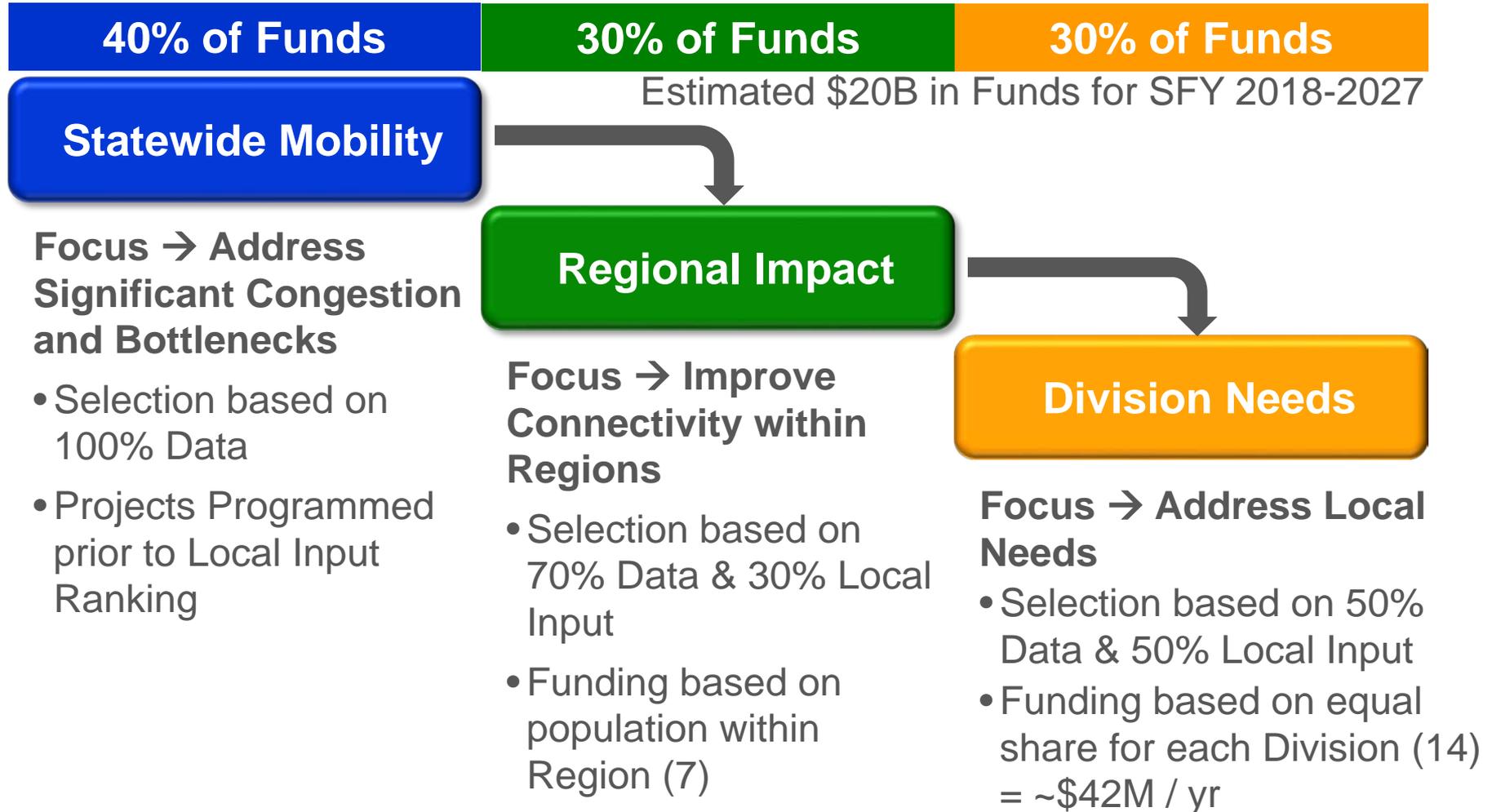
Current STIP contains over \$28 Billion of projects

- Highway, non-highway, bridges, safety, Interstate Maintenance, CMAQ

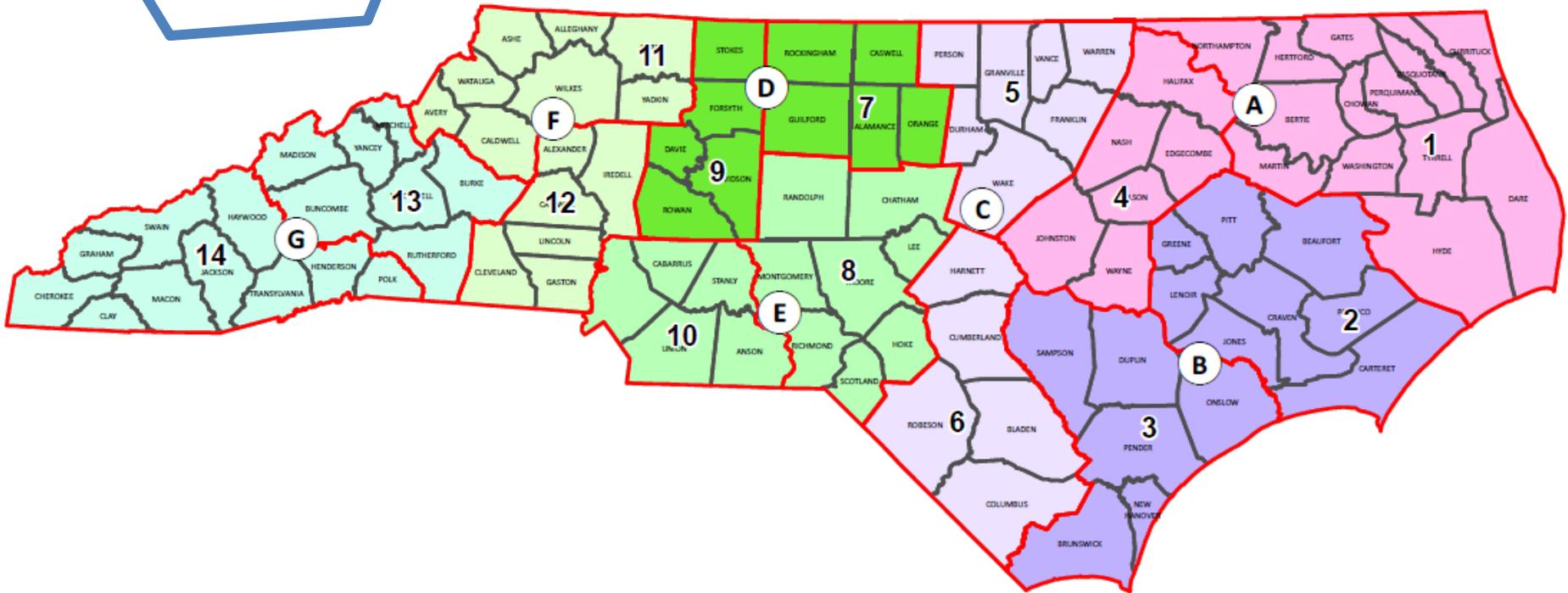
Types of Projects in the STIP



How STI Works



regions & divisions



Eligibility Definitions

Mode	Statewide Mobility	Regional Impact	Division Needs
Highway	<ul style="list-style-type: none"> • Interstates (existing & future) • NHS routes (July 1, 2012) • STRAHNET • ADHS Routes • Uncompleted Intrastate projects • Designated Toll Facilities 	Other US and NC Routes	All County (SR) Routes
Aviation	Large Commercial Service Airports (\$500K cap)	Other Commercial Service Airports not in Statewide (\$300K cap)	All Airports without Commercial Service (\$18.5M cap)
Bicycle-Pedestrian	N/A	N/A	All projects (\$0 state funds)
Public Transportation	N/A	Service spanning two or more counties (10% cap)	All other service, including terminals and stations
Ferry	N/A	Ferry expansion	Replacement vessels
Rail	Freight Capacity Service on Class I Railroad Corridors	Rail service spanning two or more counties not Statewide	Rail service not included on Statewide or Regional

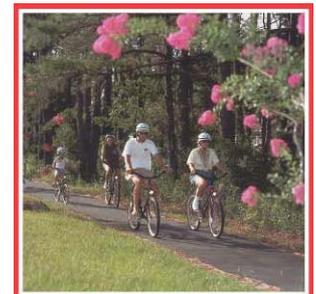
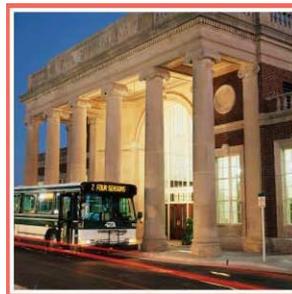
Highway Project Scoring Overview

Mode	Statewide Mobility	Regional Impact	Division Needs
Eligible Projects	<ul style="list-style-type: none"> Statewide 	<ul style="list-style-type: none"> Statewide Regional 	<ul style="list-style-type: none"> Statewide Regional Division
Overall Weights	100% Quantitative Data	70% Quantitative Data / 30% Local Input	50% Quantitative Data / 50% Local Input
Quant. Criteria	<ul style="list-style-type: none"> Benefit-Cost Congestion Economic Comp. Safety Freight Multimodal Pavement Condition Lane Width Shoulder Width 	<ul style="list-style-type: none"> Benefit-cost Congestion Safety Freight Multimodal Pavement Condition Lane Width Shoulder Width Accessibility and connectivity to employment centers, tourist destinations, or military installations 	<ul style="list-style-type: none"> Benefit-cost Congestion. Safety Freight Multimodal Pavement Condition Lane Width Shoulder Width Accessibility and connectivity to employment centers, tourist destinations, or military installations
Notes:	Projects Selected Prior to Local Input	Quant. Criteria can be different for each Region	Quant. Criteria can be different for each Division

Non-Highway Criteria

Separate prioritization processes for each mode

- Minimum of 4 quantitative criteria
- Criteria based on 0-100 point scale with no bonus points



Highway Scoring Criteria & Weights (Default)

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

Note: Region(s) _____ and Division(s) _____ use Alternate Weights

P5.0 Non-Highway Criteria

Aviation	Bicycle & Pedestrian	Ferry	Public Transportation	Rail
NCDOA Project Rating	Safety	Asset Condition	Impact	Benefit-Cost
FAA ACIP Rating	Access	Benefits	Demand/Density	System Opportunities
Non-State Contribution Index	Demand/Density	Accessibility/Connectivity	Efficiency	Safety
Benefit/Cost	Connectivity	Asset Efficiency	Cost Effectiveness	Capacity and Diversion
	Cost Effectiveness	Capacity/Congestion		Economic Competitiveness

Projects to Evaluate in P5.0

Carryover Projects

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

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

Projects to Evaluate in P5.0

Project Submittals

MPOs and RPOs:

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

Divisions:

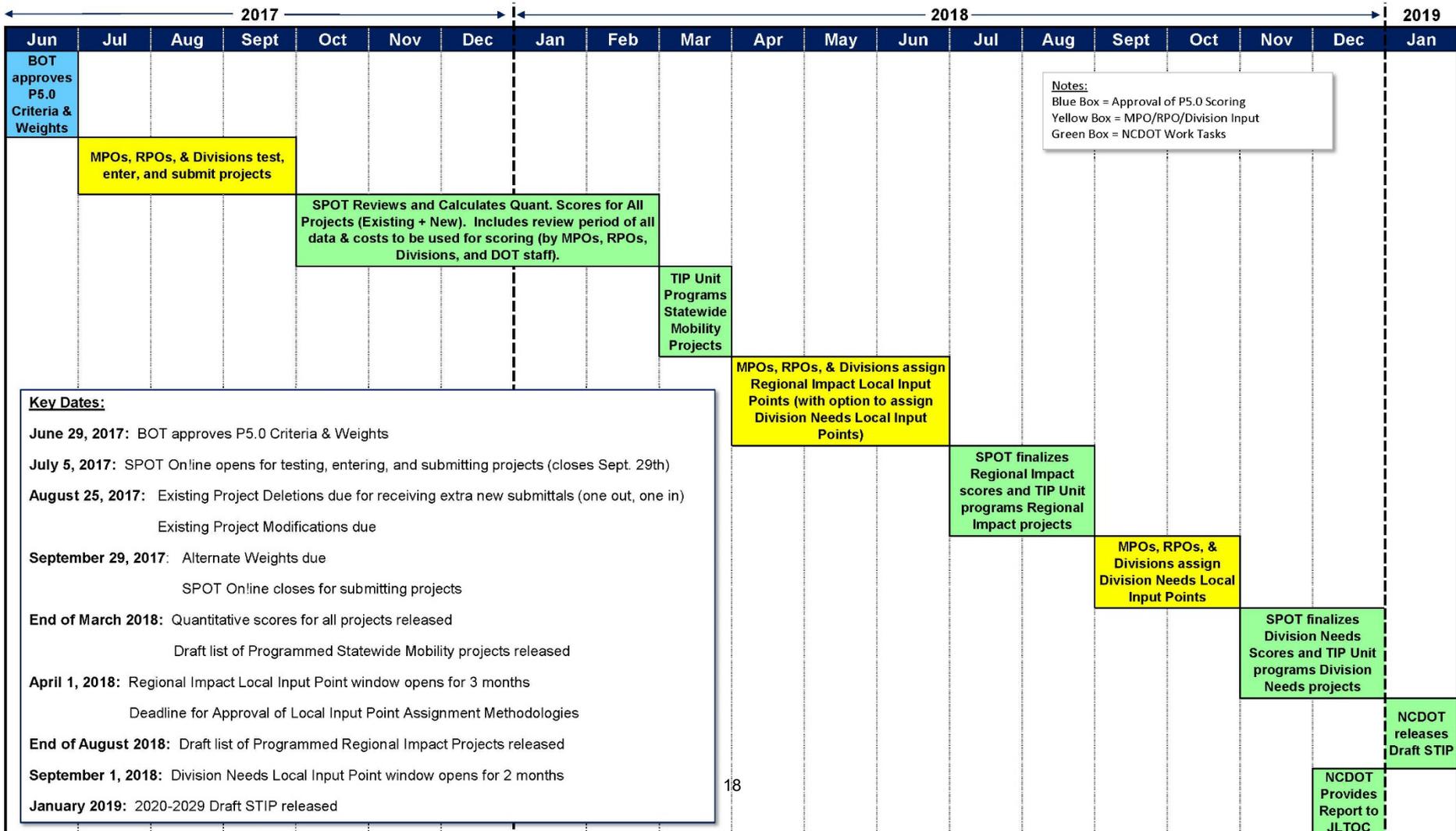
- 14 submittals each

Above applies to each mode

P5.0 Schedule

May 23, 2017

Prioritization 5.0 Schedule



Key Dates:

- June 29, 2017:** BOT approves P5.0 Criteria & Weights
- July 5, 2017:** SPOT Online opens for testing, entering, and submitting projects (closes Sept. 29th)
- August 25, 2017:** Existing Project Deletions due for receiving extra new submittals (one out, one in)
Existing Project Modifications due
- September 29, 2017:** Alternate Weights due
SPOT Online closes for submitting projects
- End of March 2018:** Quantitative scores for all projects released
Draft list of Programmed Statewide Mobility projects released
- April 1, 2018:** Regional Impact Local Input Point window opens for 3 months
Deadline for Approval of Local Input Point Assignment Methodologies
- End of August 2018:** Draft list of Programmed Regional Impact Projects released
- September 1, 2018:** Division Needs Local Input Point window opens for 2 months
- January 2019:** 2020-2029 Draft STIP released



P5.0 for NWPRPO, CRMPO, WSMPO, HPMPO

P5.0 Projects

Committed Projects *(Not subject to P5.0)*

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

Carryover Projects *(Automatically Rescored in P5.0)*

- List provided ON June 29th

Project Submittals *(# Based on CL Miles and Population)*

- **21 for NWPRPO, 23 for WSMPO, 22 for HPMPO, 23 for CRMPO and 14 for Division - Submittals** for each mode
- Splitting Carryover Project (modifications) count towards submittals

P5.0 Next Steps

Determine Project Submittals (submitted July 5th – Sept 29th)

Consider Modifications & Deletions of carryover projects (due Aug 25th)

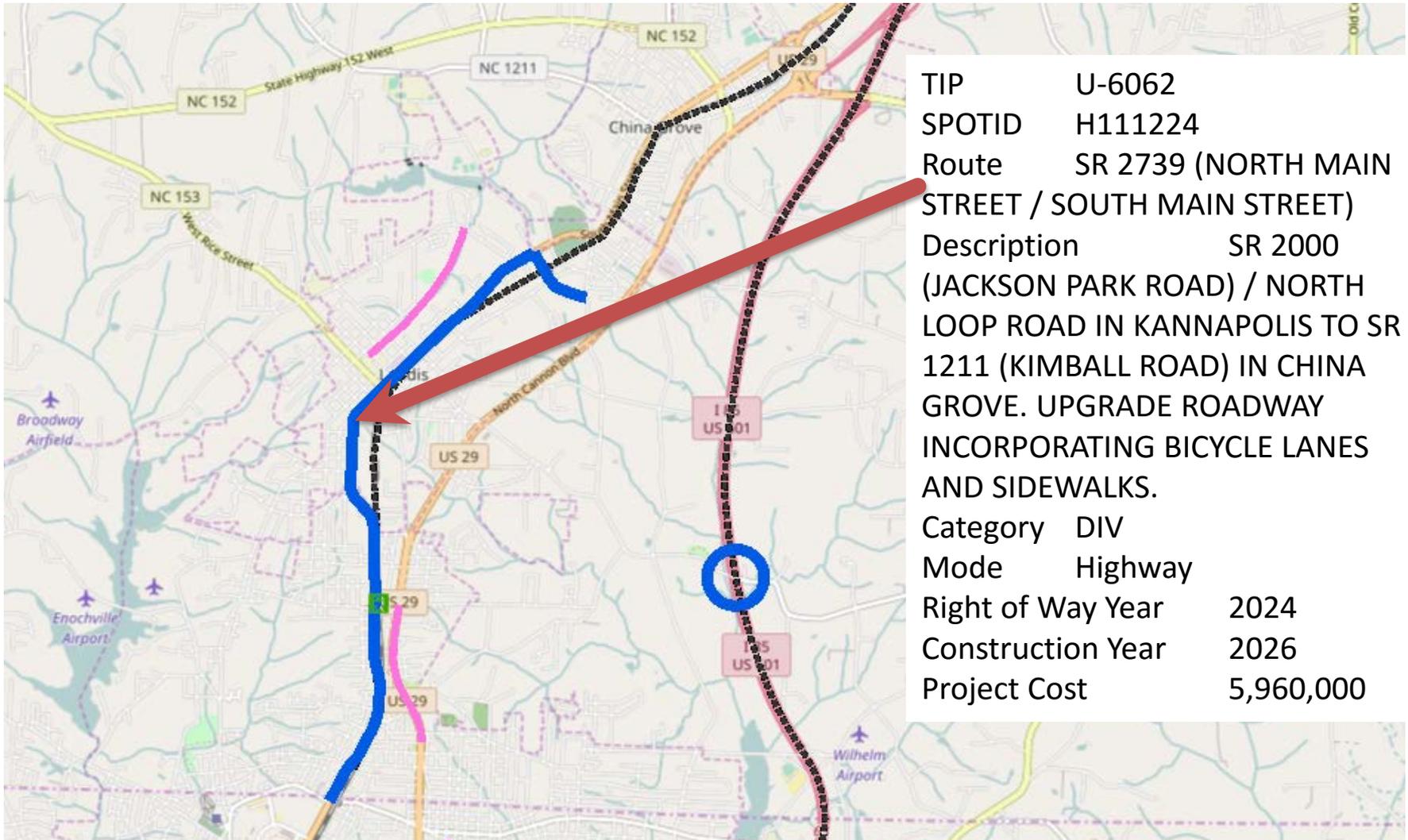
Submit Local Input Point Methodology revisions, if any (due April 1st)

Assign Local Input Points for Regional Impact projects (Spring 2018)

Assign Local Input Points for Division Needs projects (Fall 2018)

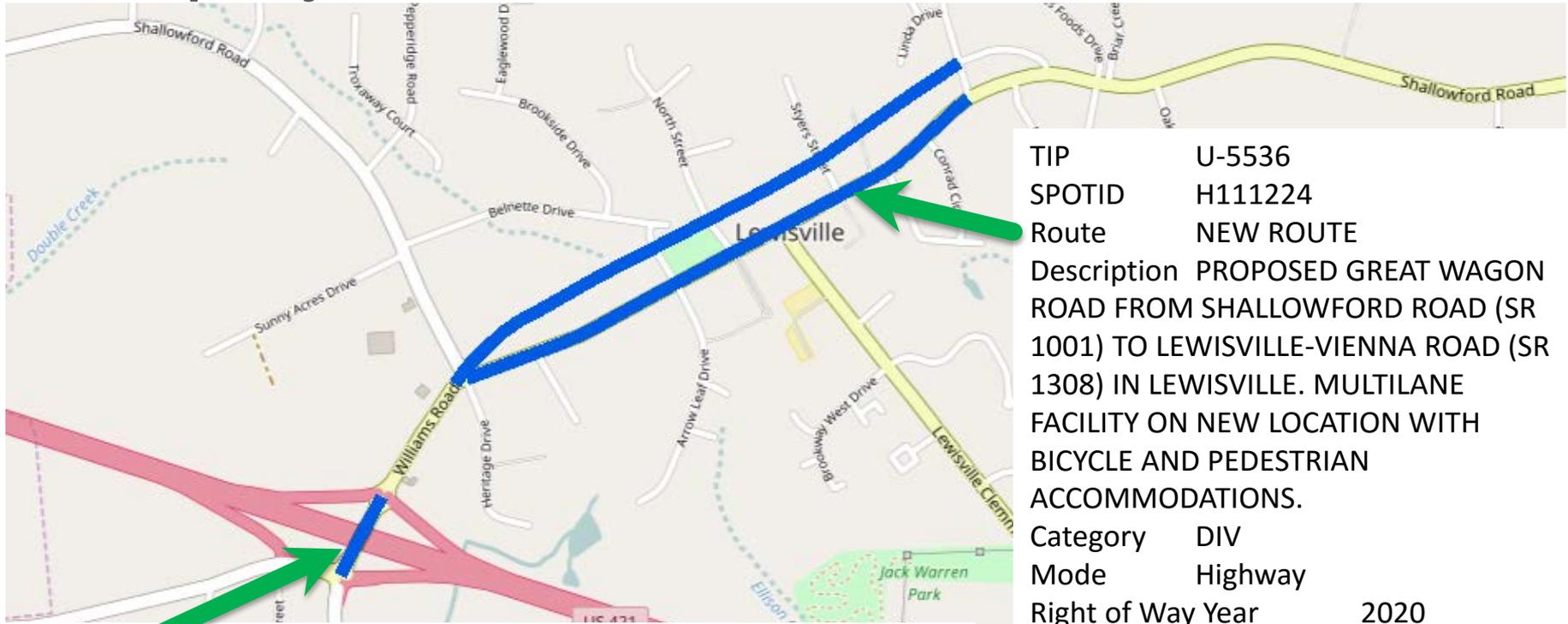
- 2500 points – Division 9
- 1700 points – CRMPO
- 1600 points - HPMPO
- 1800 points - WSMPO
- 1300 points - NWPRPO

New project in 2018-27 STIP:



TIP	U-6062
SPOTID	H111224
Route	SR 2739 (NORTH MAIN STREET / SOUTH MAIN STREET)
Description	SR 2000 (JACKSON PARK ROAD) / NORTH LOOP ROAD IN KANNAPOLIS TO SR 1211 (KIMBALL ROAD) IN CHINA GROVE. UPGRADE ROADWAY INCORPORATING BICYCLE LANES AND SIDEWALKS.
Category	DIV
Mode	Highway
Right of Way Year	2024
Construction Year	2026
Project Cost	5,960,000

New projects in 2018-27 STIP:

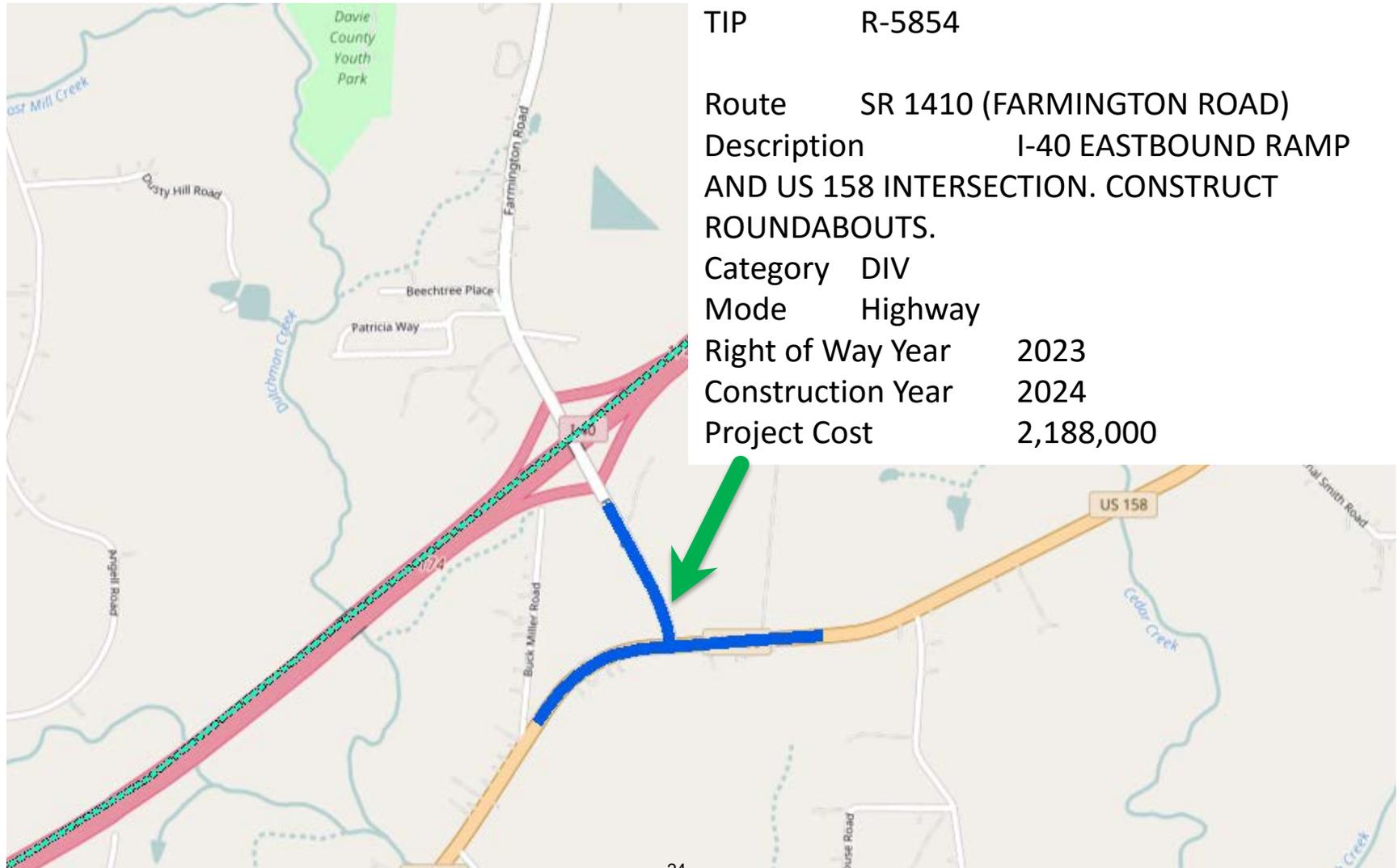


TIP	U-5536
SPOTID	H111224
Route	NEW ROUTE
Description	PROPOSED GREAT WAGON ROAD FROM SHALLOWFORD ROAD (SR 1001) TO LEWISVILLE-VIENNA ROAD (SR 1308) IN LEWISVILLE. MULTILANE FACILITY ON NEW LOCATION WITH BICYCLE AND PEDESTRIAN ACCOMMODATIONS.
Category	DIV
Mode	Highway
Right of Way Year	2020
Construction Year	2022
Project Cost	14,797,000

TIP	U-5617
SPOTID	
Route	SR 1173 (WILLIAMS ROAD)
Description	IMPROVE ROUNDABOUTS WEST & EAST OF BRIDGE OVER US 421. WIDEN TO MULTI-LANES FROM ROUNDABOUT EAST OF BRIDGE TO WEST OF ROUNDABOUT AT SR 1001 (SHALLOWFORD ROAD) WITH SIDEWALKS ON BOTH SIDES. TOWN OF LEWISVILLE.
Category	DIV
Mode	Highway
Right of Way Year	2019
Construction Year	2020
Project Cost	1,495,000

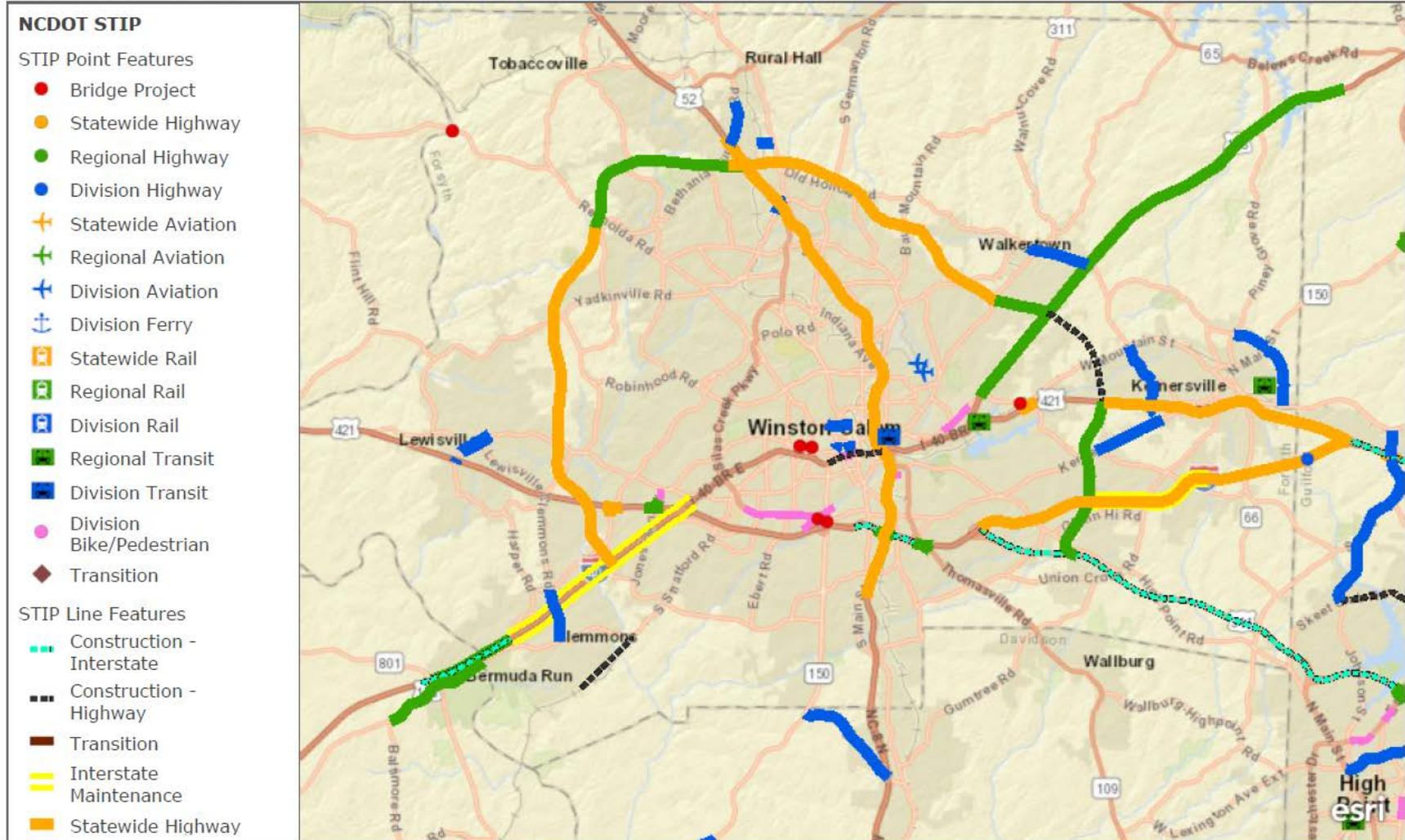


New project in 2018-27 STIP:

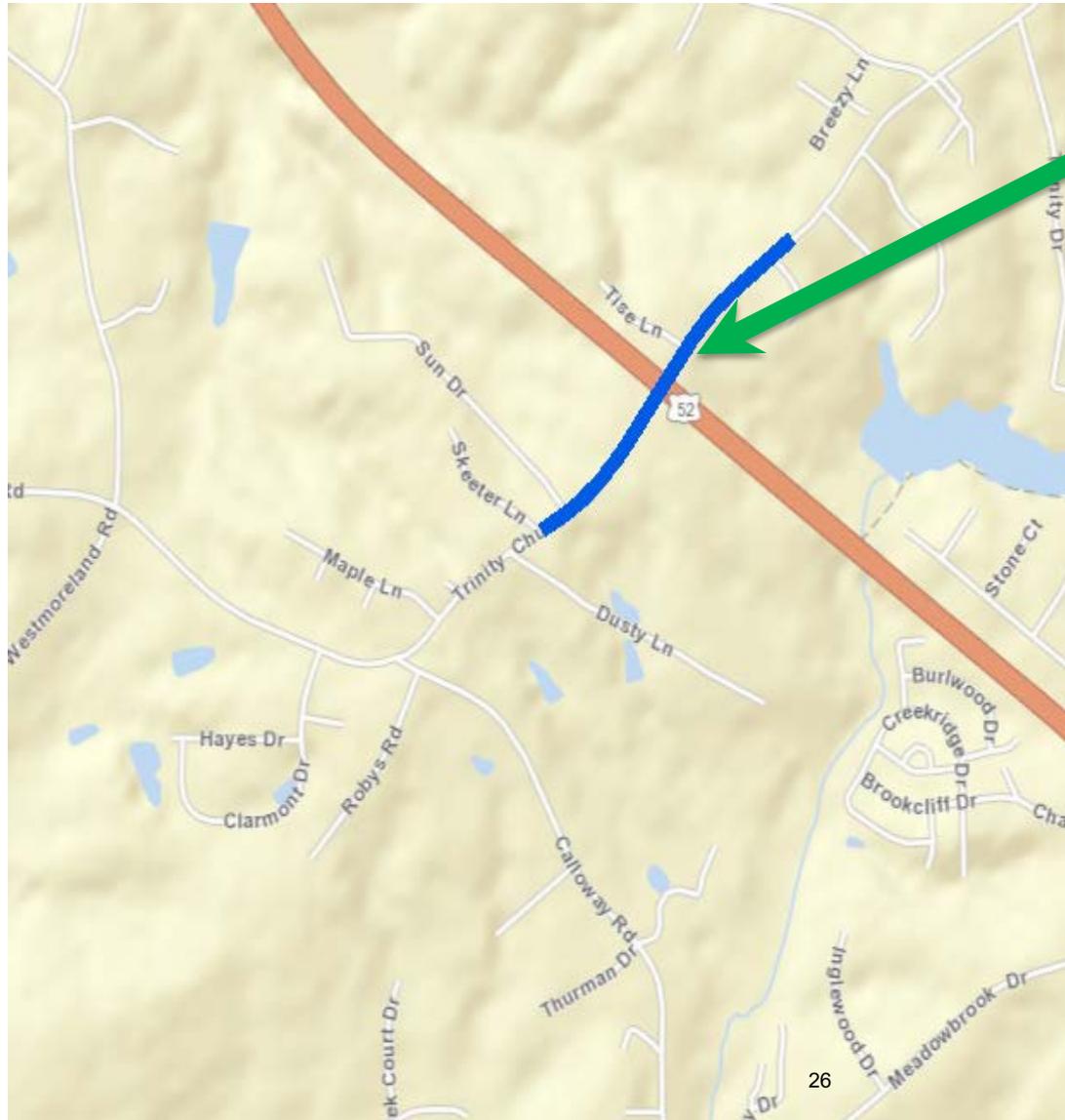


New project in 2018-27 STIP:

NCDOT STIP Map

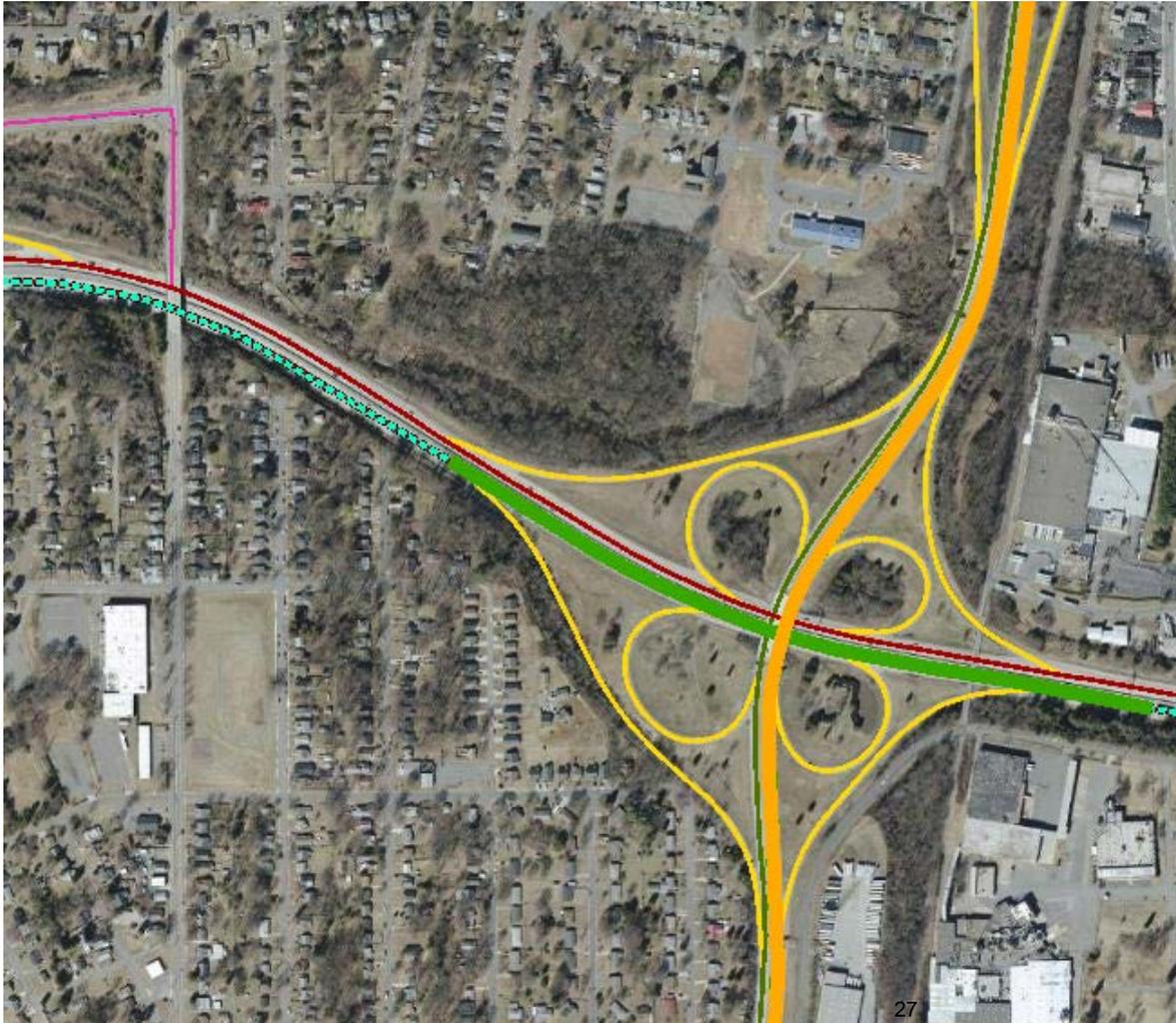


New project in 2018-27 STIP:



TIP	I-5887
SPOTID	H111166
Route	US 52 / FUTURE I-74
Description	SR 1102 (TRINITY CHURCH ROAD) NEAR KING. CONVERT EXISTING GRADE SEPARATION TO FULL- MOVEMENT INTERCHANGE.
Category	DIV
Mode	Highway
Right of Way Year	2023
Construction Year	2025
Project Cost	7,860,000

New project in 2018-27 STIP:



TIP	I-5988
SPOTID	H150248
Route	I-40
Description	US 52 / US 311 / NC 8 IN WINSTON- SALEM. UPGRADE INTERCHAN GE.
Category	REG
Mode	Highway
Right of Way Year	2024
Construction Year	2026
Project Cost	103,070,000

Contact Information

STRATEGIC TRANSPORTATION INVESTMENTS

Smart decisions to keep North Carolina moving.

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Agenda Item

Agenda Item II.

TCC Minutes – June 20th, 2017

Background

See attached minutes from June 20th TCC Meeting.

Action Requested

Approval of minutes.



Technical Coordinating Committee (TCC) Meeting

Tuesday, June 20th, 2017 • 12:00 p.m.

Boonville

110 Carolina Avenue, Boonville, NC 27011

MINUTES

Attendance

Andrew Meadwell, Davie County
Kim Bates, Surry County
Lisa Hughes, Yadkin County
David Sudderth, Stokes County
Perry Williams, Yadkinville
George Crater, Elkin
Andy Goodall, Benchmark Planning
Will Linville, Benchmark Planning

Marcus Abernathy, Mocksville
Sarah Harris, Boonville
Dean Ledbetter, NCDOT Div 11
Ramie Shaw, NCDOT Div 11
John Rhyne, NCDOT Div 9
Kyle Laird, PART
Elizabeth Jernigan, PTRC

Welcome and Ethics Statement

Andrew Meadwell opened the meeting and read the ethics statement. There were no conflicts of interest.

Action Items

I. *TCC Minutes – April 18th, 2017*

Andrew Meadwell asked if committee members had a chance to review minutes from the last meeting and asked for a motion to approve the minutes. Lisa Hughes made a motion to approve the minutes. Kyle Laird seconded the motion. All were in favor.

II. *2016 Budget Amendment*

Elizabeth Jernigan stated the budget amendment was shifting funds between categories, and we were not seeking additional funding. The most significant changes funds transferred from Data Collection and Assessment to Prioritization and program Development to cover participation on P5.0 Workgroup and pre-submittal coordination efforts; \$10,000 transferred from Comprehensive Transportation Plan Development to Administration of Transportation Planning and Policies to cover general administrative costs and communication efforts, including newsletters, ethics, meeting prep and reporting; and \$3,000 was transferred from Project Development into general transportation planning due to limited number of projects to use budget appropriately and to better respond to

general transportation planning needs. Ms. Jernigan stated the changes had already been approved by NCDOT. George Crater made a motion to recommend approval of the budget amendment to the TAC. Kim Bates seconded the motion. All were in favor.

Discussion Items

III. CommunityViz Update

Kyle Laird updated members on the potential use of CommunityViz in the Piedmont Triad region. PTRC used CommunityViz during Piedmont Together and ran numerous scenarios based on parcel level data. PART is interested in using it for regional travel demand models with the MPOs but there are benefits to the RPOs in comprehensive transportation and land development planning.

IV. P5.0 Workgroup Recommendations

Ms. Jernigan summarized P5.0 workgroup recommendations including changes to Freight in the statewide category which should benefit rural communities, and bike/ped funding available at the division level to counties and municipalities in the division (vs. competing across the state as in P4.0).

V. P5.0 Preliminary Project List

Ms. Jernigan reviewed projects identified through pre-coordination meetings with counties and municipalities. TCC members reviewed and clarified project descriptions. Ms. Jernigan will input those into SPOT online when it is open and provide additional information to TCC/TAC members at the next August meeting.

VI. Legislative Update

Elizabeth provided a brief summary posted last night by the NC Legislature. The following were identified in the transportation budget.

- Increases funding for the Strategic Transportation Investments Program (STIP) by \$320 million over two years, which will allow 100 new highway projects to be added over a ten-year period.
- Includes \$241 million to improve structurally deficient bridges across the state, adds \$143 million to improve the condition and safety of existing roads, increases contract resurfacing by \$20 million and increases funding for pavement preservation by \$30 million, extending the life of thousands of miles of roads.
- Invests \$100 million to fund immediate need construction projects across the state that improve mobility and safety, reduce congestion and spur economic development.
- Includes \$208 million over two years for a Roadside Environmental Fund dedicated to ensuring the safety and beautification of the state's highways.
- Modernizes the state's transportation network by providing additional funding to airports across the state for infrastructure improvements, and to the State Ports Authority for infrastructure and dredging needs.

Informational Items

VII. Division 9 Updates

John Rhine provided an update for Division 9.

VIII. Division 11 Updates

Dean Ledbetter announced Ramie Shaw would be taking over as DPE for Division 11, however he would still be available if needed. Ramie Shaw introduced himself and provided an update for Division 11.

IX. TPB Update

There were no TPB updates.

X. RPO Updates

Ms. Jernigan stated letters of support for P4.0 non-highway funded projects were due to NCDOT by the end of June.

New Business

TCC Members

Adjournment

Andrew Meadwell

Next Meeting: Tuesday, August 15, 2017, Boonville

Andrew Meadwell, Chair
Transportation Coordinating Committee

Elizabeth Jernigan, Secretary
Northwest Piedmont Rural Planning Organization

Agenda Item III.

Prioritization 5.0 Project Submission List

Background

The NWPRPO can submit up to 21 projects for funding in P 5.0. Based on meetings with counties and municipalities, the following list has been compiled. Please be prepared to review and identify priority projects in your community. For your top priorities, we will need to further refine the description, purpose and project details.

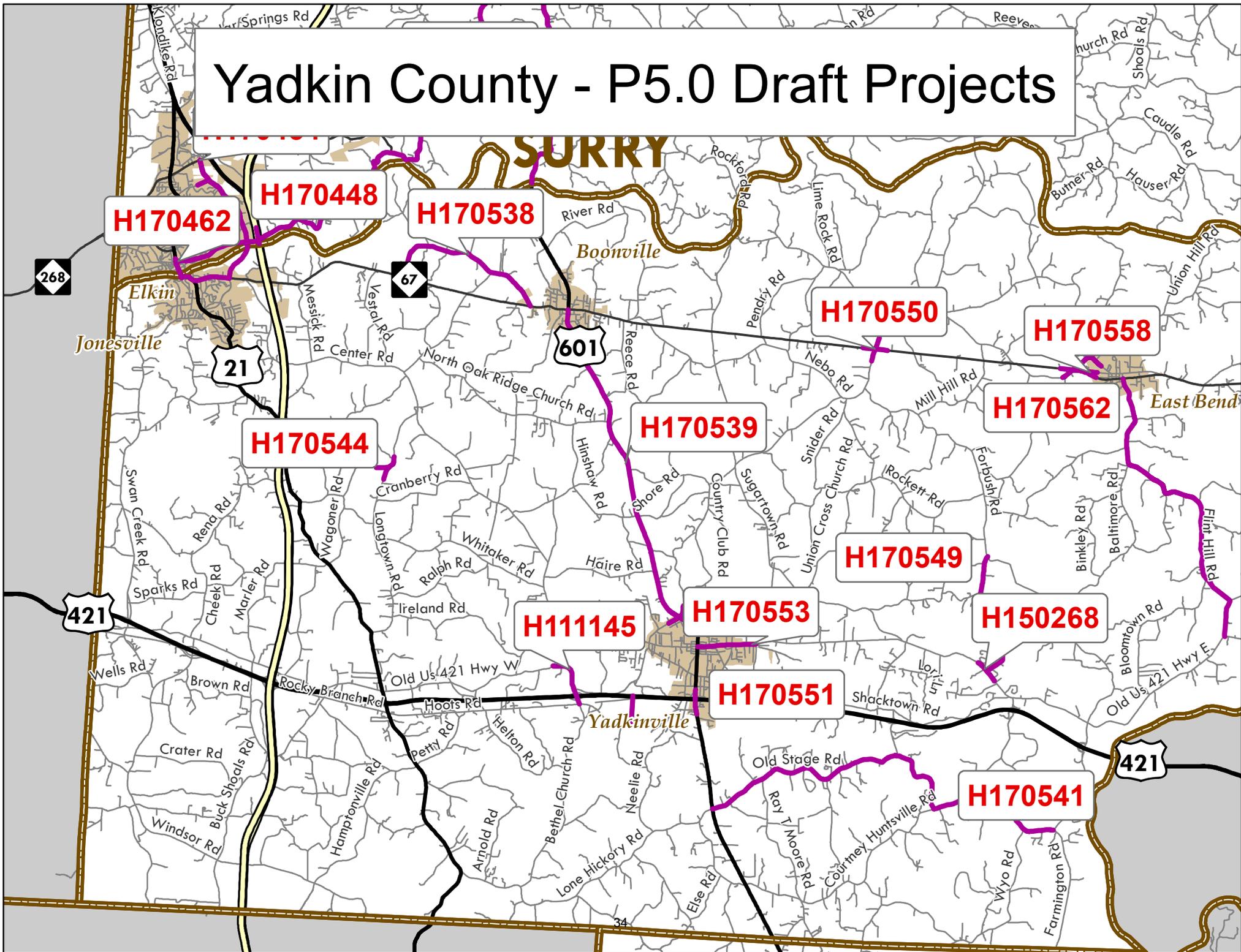
We are not limited to the projects in the attached list. If there are additional projects you would like considered, please bring those to the meeting.

*I am still mapping alternate modes (bike/ped and aviation) and will have those to TCC members prior to the meeting. We likely won't have more than the maximum number of submittals and will just need to refine the scope.

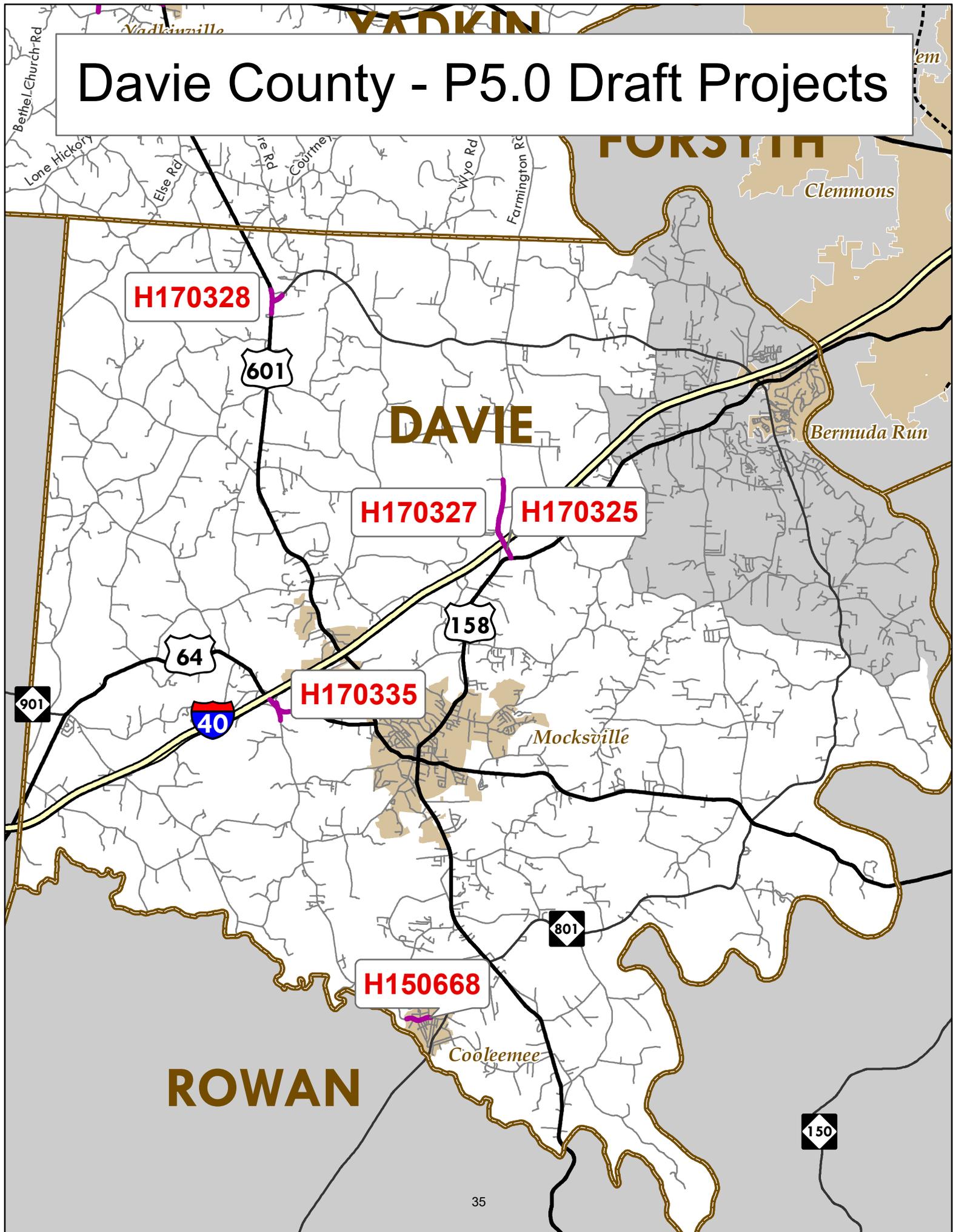
Action Requested

Recommend priority projects to TAC

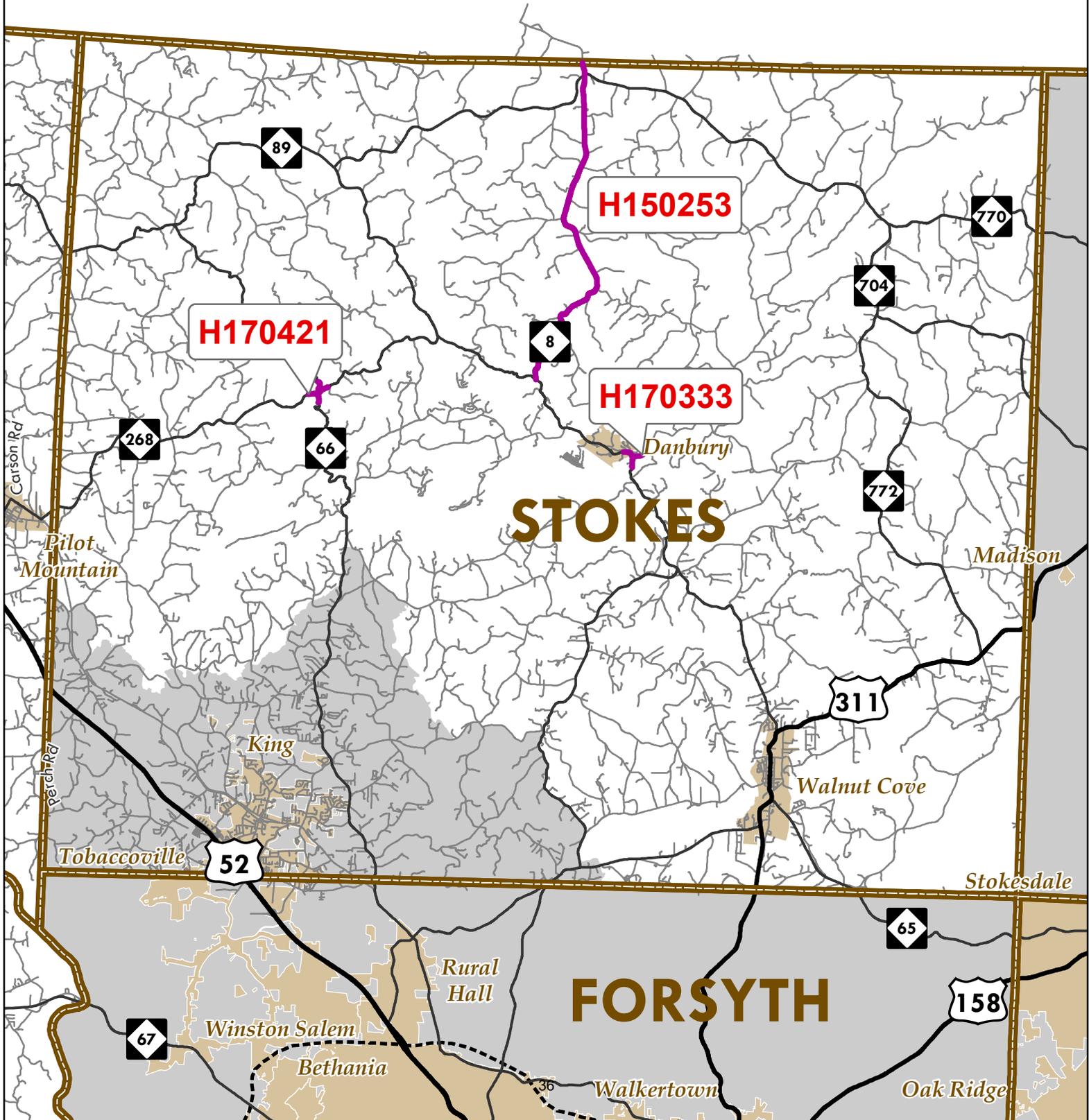
Yadkin County - P5.0 Draft Projects



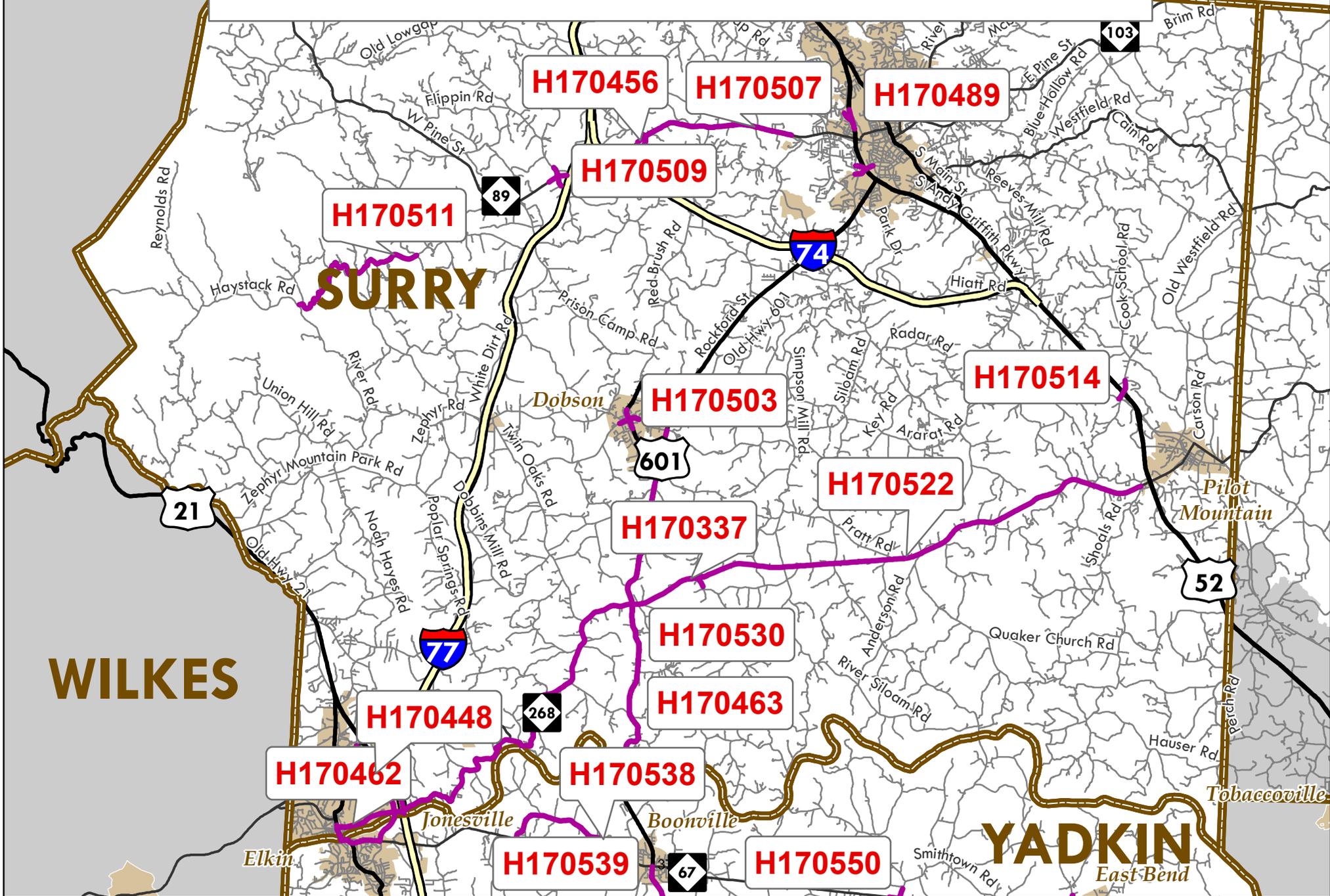
Davie County - P5.0 Draft Projects



Stokes County - P5.0 Draft Projects



Surry County - P5.0 Draft Projects



Yadkin County

FirstCounty	SpotID	ProjectCategory	SpecificImprovementType	Column2	FromCrossStreet	ToCrossStreet	Description	SupportingDocuments
Yadkin	H111145	Division Needs	5 - Construct Roadway on New Location	--_--New Route	SR 1134 (Billy Reynolds Road)	SR 1150 (Hoots Road)	Construct two lane roadway on new location from SR 1134 (Billy Reynolds Road) at SR 1415 (South Beamer Road) to SR 1150 (Hoots Road) with new interchange at US 421	This project will reduce traffic on the back roads and Highway 601 and give residents more convenient access to Highway 421. Reduction of traffic using Beroth Road as an access point to Highways 421 and 601 will also help reduce a safety issue at this intersection.
Yadkin	H150268	Division Needs	10 - Improve Intersection	SR-1605--Old US 421	SR 1600 (Falcon Road)		Construct roundabout.	Address congestion and safety issues related to school traffic
Yadkin	H170462	Regional Impact	5 - Construct Roadway on New Location	----			Construct new road and bridge connecting Jonesville and Elkin.	With the loss of the Hugh Chatham Memorial Bridge, traffic between Elkin and Jonesville is limited to the Gwen McNeil Bridge. Connecting Elkin/Surry and Jonesville/Yadkin will provide a much needed connection between the two communities.
Yadkin	H170535	Regional Impact	16 - Modernize Roadway	NC-67--Elm St	NC 67 (N Bridge St)	US 21 Bus (W Main St)	Upgrade to design standards and construct roundabouts at N Bridge St and W Main St	With the loss of Hugh Chatham Bridge, all traffic is routed across the Gwen McNeil Bridge.
Yadkin	H170538	Division Needs	16 - Modernize Roadway	SR-1363--Woodruff Rd	NC 67	NC 67	Modernize roadway	High crash rate.
Yadkin	H170539	Regional Impact	16 - Modernize Roadway	US-601--	NC 67	(SR 1502/1503) Country Club Road	Modernize roadway and improve intersection at Mackie Rd (SR 1134)	Safety
Yadkin	H170541	Division Needs	16 - Modernize Roadway	SR-1733--Old Stage Rd	US 601 (N State St)	NC 1716 (Farmington Road)	Add shoulders on Old Stage Rd (NC1773) south on Watkins Rd and lft on Courtney-Huntsville Rd (NC1001) to Farmington Rd.	Safety
Yadkin	H170542	Regional Impact	10 - Improve Intersection	US-601--N State St	SR 1602/1603 (Country Club Rd)		Add turn lanes	Congestion
Yadkin	H170544	Division Needs	10 - Improve Intersection	SR-1349--Rock House Mtn Rd	SR 1338		Construct Roundabout	Safety
Yadkin	H170549	Division Needs	1 - Widen Existing Roadway	SR-1600--Falcon Rd	SR 1605 (Old US 421)	SR 1570 (Forbush Rd)	Widen	congestion
Yadkin	H170550	Regional Impact	10 - Improve Intersection	NC-67--	SR 1570 (Nebo Rd)		Roundabout	Improve safety
Yadkin	H170551	Regional Impact	10 - Improve Intersection	US-421--	US 601 (S State St)		Install roundabout and lengthen ramp to Walnut St	congestion and safety
Yadkin	H170553	Division Needs	16 - Modernize Roadway	SR-1314--E Main St	US 601	SR 1765 (Unifi Industrial Rd)	Modernize with pedestrian improvements at 601 & main and mini-roundabout at Van Buren and Main	Congestion/Safety
Yadkin	H170555	Regional Impact	10 - Improve Intersection	US-601--N State Street	SR 1134 (N Lee St)		Roundabout	safety/congestion
Yadkin	H170556	Division Needs	16 - Modernize Roadway	SR-1134--E Lee Ave	SR 1634 (Progress Ln)	SR 1765 (Unifi Industrial Rd)	Modernize roadway and improve intersections at Progress Ln and Unifi Ind. Dr.	Safety and congestion
Yadkin	H170558	Regional Impact	10 - Improve Intersection	NC-67--	SR 1545 (W Main St)		Intersection Improvement	Safety

Yadkin County

Yadkin	H170559	Division Needs	10 - Improve Intersection	SR-1541-_-Fairground Rd	SR 1538 (Shady Grove Church Rd)		Construct roundabout	Safety
Yadkin	H170561	Regional Impact	10 - Improve Intersection	NC-67-_-	NC 1538 (Fairground Rd)		Improve Intersection	Safety
Yadkin	H170562	Division Needs	16 - Modernize Roadway	SR-1549-_-Flint Hill Rd	NC 67	SR 1605 (Old US 421)	Modernize Roadway	Safety

FirstCounty	SpotID	ProjectCategory	SpecificImprovementType	Column2	FromCrossStreet	ToCrossStreet	Description	SupportingDocuments
Davie	H150668	Division Needs	10 - Improve Intersection	SR-1116-_-Junction Road/Marginal Street	SR 1170 (Main Street)		Construct roundabout	Awkward intersection. Trucks can't make turns.
Davie	H170325	Statewide Mobility	10 - Improve Intersection	SR-1410-_-Farmington Road	I-40 W Ramp		Construct roundabout.	Davie County's new high school (the only one in the county with over 1700 students) is opening next month. It is next to a large middle school on Farmington Road just north of I-40 and expected to generate a lot of additional traffic at the intersection. Safety concerns with young drivers are also a concern for this project.
Davie	H170327	Division Needs	1 - Widen Existing Roadway	SR-1410-_-Farmington Road	US-158	Rocky Dale Lane	Widen existing roadway and improve intersections at 158 and I-40 ramps with roundabouts.	Davie County's new high school (the only one in the county with over 1700 students) is opening next month. It is next to a large middle school on Farmington Road just north of I-40 and expected to generate a lot of additional traffic at the intersection. Safety concerns with young drivers are also a concern.
Davie	H170328	Regional Impact	10 - Improve Intersection	US-601-_-_-	NC-801		Improve intersection.	Safety concerns due to poor site distance
Davie	H170335	Regional Impact	10 - Improve Intersection	US-64-_-_-	SR 1116 (Greenhill Rd)		Realign intersection and add turn lanes.	Intersection improvements will help with truck traffic coming out of Mocksville and turning onto US 64.

FirstCounty	SpotID	ProjectCategory	SpecificImprovementType	Column2	FromCrossStreet	ToCrossStreet	Description	SupportingDocuments
Stokes	H150253	Regional Impact	16 - Modernize Roadway	NC-8-__	NC 89	VA Line	Widen NC 8 from NC 89 to VA Line	Accommodate truck traffic.
Stokes	H170333	Regional Impact	10 - Improve Intersection	NC-8-__	SR 1652 (Sheppard Mill Rd)		Construct roundabout.	Danbury experiences high volume, speeding vehicles. A roundabout would slow traffic coming into town.
Stokes	H170421	Regional Impact	10 - Improve Intersection	NC-268-__	NC 66		Realign intersection	School buses on NC 66 cannot turn left on 268, instead taking nearby unpaved Old Lynchberg Road which can pose challenges during inclement weather.
Stokes	H170424	Division Needs	16 - Modernize Roadway	SR-1516-__	NC 66	NC 268	Upgrade to design standards.	School buses on NC 66 cannot turn left on 268, instead taking nearby unpaved Old Lynchberg Road which can pose challenges during inclement weather.

Surry County

FirstCounty	SpotID	ProjectCategory	SpecificImprovementType	Column2	FromCrossStreet	ToCrossStreet	Description	SupportingDocuments
Surry	H170337	Regional Impact	10 - Improve Intersection	NC-268-__	SR 2221 (Rockford Rd)		Improve intersection.	Improvements needed to address poor site distance and traffic volume.
Surry	H170448	Division Needs	1 - Widen Existing Roadway	SR-1144-_-Johnson Ridge Rd.	NC 268 (E. Main St)	NC 268 Bypass (CC Camp Rd)	Widen to 3-lane with 2 roundabouts at Parkwood Drive and Claremont Rd. and bike/ped facilities.	Widening will accommodate traffic from Hugh Chatham Memorial Hospital and other employment centers on Johnson Ridge Road.
Surry	H170454	Division Needs	16 - Modernize Roadway	SR-1144-_-Johnson Ridge Rd.	NC 268 (E Main St)	NC 268 Bypass (CC Camp Road)	Widen to 3-lane with 2 roundabouts at Parkwood Drive and Claremont Rd. and bike/ped facilities.	Widening will accommodate traffic from Hugh Chatham Memorial Hospital and other employment centers on Johnson Ridge Road.
Surry	H170456	Regional Impact	10 - Improve Intersection	NC-89-_-W Pine St	SR 1396 (Pine Ridge Rd)		Realign intersection	poor siteline
Surry	H170457	Regional Impact	10 - Improve Intersection	NC-268-_-E Main St	E Market St		Construct roundabout	Slow traffic entering town.
Surry	H170458	Regional Impact	10 - Improve Intersection	US-21-BUS-S Bridge St	Commerce St		Construct roundabout	Traffic calming
Surry	H170459	Division Needs	10 - Improve Intersection	SR-1144-_-Johnson Ridge Rd	Claremont		Construct Roundabout	Minimize congestion around hospital
Surry	H170460	Division Needs	10 - Improve Intersection	SR-1144-_-Johnson Ridge Rd	Parkwood Dr		Construct Roundabout	Minimize congestion around hospital
Surry	H170463	Regional Impact	16 - Modernize Roadway	US-601-__	Yadkin River	SR 1104 (Cody Trail)	Upgrade road to design standards	Heavily traveled road needs to be improved or safety reason.
Surry	H170465	Regional Impact	10 - Improve Intersection	US-52-BUS-W Lebanon St.	N South St		Improve intersection with Pedestrian Improvements	intersection improvements needed for safety?
Surry	H170489	Regional Impact	10 - Improve Intersection	US-52-_-N Andy Griffith Parkway	Merita		Improve intersection	Improve Safety
Surry	H170502	Regional Impact	10 - Improve Intersection	US-52-BYP-S. Andy Griffith Pkwy	SR 1371 (Snowhill Drive)		Improve intersection at U.S. 52 BYP, Worth, Woodland Dr, Welch Rd, Snowhill Drive with pedestrian improvements	safety
Surry	H170503	Regional Impact	10 - Improve Intersection	US-601-BUS-N Main St	E Atkins St		Improve intersection	safety
Surry	H170504	Regional Impact	10 - Improve Intersection	NC-103-_-Donna Fargo Hwy	SR 1742 (Quaker Rd)		Intersection Improvement	Chronic site distance; crash location
Surry	H170507	Regional Impact	16 - Modernize Roadway	NC-89-_-W Pine St	SR 1387 (Toast Rd)	SR 1396 (Pine Ridge Rd)	Modernize and Improve intersection at Pine Ridge Rd.	Safety
Surry	H170509	Regional Impact	10 - Improve Intersection	NC-89-_-W Pine St	SR 1397 (Round Peak Church Rd)		Improve Intersection	Safety
Surry	H170511	Division Needs	16 - Modernize Roadway	SR-1331-_-Haystack Rd	SR 1338 (Fisher Valley Rd)	SR 1330 (River Rd)	Modernize	Safety
Surry	H170514	Regional Impact	10 - Improve Intersection	US-52-_-Pilot Mountain Pkwy	SR 1815 (Cook School Rd)		Upgrade intersection	Exodus Church Rd, Cook School Rd and area business traffic need safety improvements.
Surry	H170522	Regional Impact	16 - Modernize Roadway	NC-268-_-S Key ST	SR 2099 (Barney Venable Rd)	US 21	Modernize with intersection improvements at Blue Grass Ln, Toms Creek Rd, Quaker Church Rd, Siloam Rd, Copeland School Rd, Rockford Rd, Twin Oaks Rd, Joe Ln Mill Rd, Friendship Church Rd.	Safety
Surry	H170530	Regional Impact	16 - Modernize Roadway	US-601-__	SR 1100 (Turkey Ford Rd)	Yadkin River	Modernize Roadway	Safety
Surry	H170534	Statewide Mobility	9 - Convert Grade Separation to Interchange	I-77-__	NC 268		Construct partial cloverleaf interchange	Replace Hugh Chatham Bridge, providing connectivity between Elkin and Jonesville

Agenda Item IV.

Prioritization 5.0 Division Needs Alternative Criteria

Background

As part of project prioritization 5.0, NCDOT is encouraging all MPO's, RPO's and Divisions throughout the state to meet and discuss with each other alternate weights for highway scoring for the purpose of helping some counties/regions better compete for projects at the Regional Impact and Division Needs categories.

As a result, High Country RPO staff discussed alternate weights for highway scoring with Division 11 on July 27, 2017. Division 11 has indicated an interest in removing the Freight Criteria (5%) and increasing the weighting of the Safety Criteria from 10% to 15% in the Division Needs category. The aforementioned alternate weighting would only apply to Surry and Yadkin counties in the NWPRPO RPO.

NWPRPO staff evaluated projects in Yadkin and Surry counties from the previous round of project prioritization in response to the alternative weighting. Based on the evaluation, safety scores were overall higher than freight scores. Therefore, increasing the weighting of Safety Criteria from 10% to 15% for Surry and Yadkin counties (Division 11) may result in better scoring projects.

For the alternate criteria to be used in Division 11 during the SPOT 5.0 prioritization process, all RPOs and MPOs that represent areas within Division 11 (High Country RPO, Northwest Piedmont RPO, and Greater Hickory MPO), as well as the Division Engineer, must be in agreement. If the NWPRPO agrees with the proposed alternate criteria, it may send a memo to the NCDOT SPOT office referencing the TAC Chair's agreement. If the RPO does not agree with the proposed change, it *must* send a memo to the SPOT office saying as much. Inaction may be interpreted as agreement. The deadline to agree or disagree with the alternate criteria is September 29, 2017.

Action Requested

Recommend adoption of alternative criteria at division level to TAC.

Agenda Item V.

Methodology Review

Background

Cambridge Systematics (CS) is conducted an independent process verification of the local input point methodologies and assignment process used in P4.0. This review is was an opportunity to confirm that all Metropolitan Planning Organizations, Rural Planning Organizations, and Division Engineers were following their point assignment methodology (including public comment opportunities), as well as to look for areas of future improvement to continually enhance the prioritization process. As part of CS's assessment, they reviewed each of the 51 methodologies for meeting NCDOT's Local Input Point methodology standards that were originally set in Fall 2013.

Action Requested

For your information only

Local Input Point Assessment Review and Recommendations

Draft Appendix

prepared for

North Carolina Department of Transportation

prepared by

Cambridge Systematics, Inc.



Local Input Point Process – Compliance Review

The Local Input Point Process Verification and Recommendations Report is based on three different reviews of the P4.0 process: **compliance**, **methodology**, and **statistical**.

- During the **compliance review**, conducted from December 15th, 2016 to February 28th, 2017, each organization's process within P4.0 was reviewed relative to NCDOT standards in accordance with GS 136-18.42.
- The **methodology review** investigated multiple aspects of all 51 methodologies (19 MPOs, 18 RPOs, and 14 Divisions), identifying methodology types and highlighting best practices that are transferable to all organizations. Details on all methodologies will be provided in Appendix B to the Final Report.
- The **statistical review** assessed the local input point assignment patterns for the 1,877 eligible projects within the Regional Impact and Division Need categories, determining patterns, correlations, and variances within the assignment of local input points. The results of the statistical review will be provided in Appendix C to the Final Report.

Supporting the compliance, methodology, and statistical reviews was direct coordination with MPO, RPO, and Division staff through two questionnaires, and a questionnaire for MPO and RPO policy committee chairs involved in the local input point process. Collectively this research informs the best practices and recommendations presented in the Local Input Point Process Verification and Recommendations report.

Appendix A, Local Input Point Process – Compliance Review, presents the findings of the compliance review for all 51 organizations' P4.0 local input point process. The following pages provide a summary of the NCDOT standards upon which the compliance review was conducted, and a summary of benchmarks that Cambridge Systematics (CS) used to determine compliance for each standard for each organization. The assessment for each organization explains the findings of the CS review, and documents organization specific best practices and opportunities to better meet or exceed NCDOT standards.



NCDOT Standards for the Local Input Point Process

The following standards have been set by NCDOT for MPOs, RPOs, and Divisions to use in developing methodologies and administering local input point assignment.

1. **Criteria Transparency:** NCDOT requires organizations to identify at least one quantitative and qualitative criteria to be used in the local input point assignment process **for all modes of transportation**. Evaluation criteria should be transparent and understandable to the public by including a weight or measurement for each criteria.
2. **Material Availability:** NCDOT requires each organization to publicize methodologies and final P4.0 local input points on their website and include a statement in the methodology that notifies the public as to how they can access local input materials.
3. **Schedule and Point Dissemination Transparency:** NCDOT requires that each methodology include a description of how the final point assignment will be disseminated and shared with the public, as well as a schedule with targeted completion dates.
4. **Point Assignment Documentation:** Although not explicitly outlined by NCDOT standards, part of ensuring transparency throughout the local input process is confirming that points are assigned based on the methodology and that the reasoning behind point assignment is clear to the public. This measure was reviewed by examining each organization's website to assess the degree to which point assignments could be traced back to criteria listed in the methodology. Please note that because this is not explicitly noted in the NCDOT standard, it is possible to be in compliance, however still have an opportunity for improved transparency.
5. **Point Assignment Deviation Transparency:** Transparency hinges upon public awareness of point assignment. If the TCC or policy committee chooses to assign points in a manner that differs from the quantitative + qualitative methodology, the occurrence and reasoning behind each decision should be documented and disclosed to the public.
6. **Public Review:** NCDOT requires organizations to hold a minimum of one public hearing or meeting AND one public review period throughout the local input point assignment process, that allows sufficient time for consideration of any public comment prior to the TCC or policy committee making the final point assignment."
7. **Consideration of Public Comment:** NCDOT requires methodologies to explain **how** the TCC or policy committee will consider the input of public comments on preliminary point assignment.



Local Input Point Process Assessment Benchmarks*

NCDOT Standard	Meets the Standard	Could Improve in this Area
1 Criteria Transparency	<ul style="list-style-type: none"> ➤ Organization includes a minimum of one quantitative and one qualitative criterion. ➤ Criteria are assigned weights and measurements and are presented in a readable way. 	<ul style="list-style-type: none"> ➤ Organization is missing either a quantitative or qualitative criterion. ➤ Criteria are not assigned weights or measurements, but listed as vague qualitative considerations. ➤ The way that evaluation criteria are used to assign local input points is not made clear in the methodology.
2 Material Availability	<ul style="list-style-type: none"> ➤ Methodology and P4.0 local input points are accessible via a link on the organization's website. 	<ul style="list-style-type: none"> ➤ Methodology and/or P4.0 local input points could not be found via link or search on the website. Note, materials posted in a meeting agenda or minutes were not considered publically available.
3 Schedule and Point Dissemination Transparency	<ul style="list-style-type: none"> ➤ Methodology describes how the public can access final point assignments. ➤ Methodology includes a schedule or completion dates. 	<ul style="list-style-type: none"> ➤ Methodology does not describe how the public can access final point assignments. ➤ Methodology does not include a schedule or completion dates.
4 Point Assignment Documentation	<ul style="list-style-type: none"> ➤ Exceeds Standard - Organization posts P4.0 local input points showing how each evaluation criteria was scored, enabling review of project rankings and point assignments. ➤ Meets Standard/Could Improve - Organization posts P4.0 local input points showing the quantitative score or project ranking, and point assignments, but not the scoring for each criteria. Organizations consistent with this finding will be given check marks in each column. 	<ul style="list-style-type: none"> ➤ P4.0 local input points could not be found via link or search on the website, therefore point assignment documentation is unclear. Note, scores and point assignments posted in a meeting agenda or minutes were not considered adequate documentation.
5 Point Assignment Deviation Transparency	<ul style="list-style-type: none"> ➤ If a deviation occurred, the reasoning was clearly documented. 	<ul style="list-style-type: none"> ➤ A deviation occurred and the reasoning was not clearly documented. ➤ It is unknown if a deviation occurred.
6 Public Review	<ul style="list-style-type: none"> ➤ Organization holds at least one public hearing or meeting ➤ Organization holds at least one public comment period. 	<ul style="list-style-type: none"> ➤ Organization does not hold at least one public hearing or meeting. ➤ Organization does not hold at least one public comment period.
7 Consideration of Public Comment	<ul style="list-style-type: none"> ➤ Methodology clearly describes how the policy committee considers public comment. At a minimum, methodology states that public input is considered by the policy committee. ➤ Public input is used as a weighted evaluation criteria. 	<ul style="list-style-type: none"> ➤ Methodology does not provide any description of how public input is incorporated.

*Note that this evaluation is primarily based on the adopted MPO, RPO, and Division methodologies in addition to a review of material availability and point assignment documentation available through a review of organizations' websites. **This review was conducted from December 15, 2016 – February 28, 2017.** Website content available prior to or after these dates are not included in this assessment. Note that the P4.0 local input point process for the MPOs, RPOs, and Divisions generally covered the period from February 2016 (including internal development and refinement of the local methodology) to final Division Needs point submission in October 2016.



Northwest Piedmont RPO (NWPRPO)

Summary: NWPRPO's methodology administers a thorough project solicitation process. Once projects have been submitted to NCDOT for quantitative scoring, NWPRPO uses a matrix-based methodology to evaluate projects using different quantitative and qualitative criteria for each mode of transportation. All projects are ranked against each other and the maximum 100 points are assigned to the top ranked projects using a target modal mix. Local input points are only assigned to highway projects at the Regional Impact level and distributed amongst highway and non-highway modes at the Division Needs level.

NCDOT Standard	Meets the Standard	Could Improve in this Area	Explanation
1 Criteria Transparency	✓		Methodology includes the minimum of one quantitative and qualitative criterion. Criteria are assigned weights and measurements.
2 Material Availability	✓		Methodology and P4.0 local input points are easily accessible on the website.
3 Schedule and Point Dissemination Transparency	✓		Methodology includes a schedule and informs readers how to access prioritization materials.
4 Point Assignment Documentation	✓	✓	Website links to a spreadsheet that includes the quantitative score, total RPO score, local priority score, final local input points for the RPO and DE, as well as the projected final score in the SPOT process. The spreadsheet does not show the points assigned to individual criteria.
5 Point Assignment Deviation Transparency	✓		Methodology includes a deviation clause stating that any deviation from the methodology will be documented with rationale/reasoning and posted on the website. P4.0 deviations are clearly documented on the website.
6 Public Review	✓		Organization hosts at least one public hearing and comment period.
7 Consideration of Public Comment	✓		Public comment is considered by the policy committee.

Process Highlights

NWPRPO uses a thorough project solicitation process where member governments work together to develop a list of projects to submit to NCDOT. The project solicitation guidelines include eligibility requirements for each project type (ie roadway capacity vs. modernization) that must be considered by member governments when selecting projects. Member governments are also required to submit proof of a local funding match to ensure that all projects submitted to NCDOT have local financial support.

To Better Meet NCDOT Standards, NWPRPO Could:

- 4 NWPRPO meets the NCDOT standard, however could include more detail on the points assigned to individual criteria in the point assignment spreadsheet so that final local input point assignment can be more closely traced back to the methodology.



Agenda Item VI.

FY 2018-2027 STIP

Background

The RPO supplement to the Final 2018-2027 STIP, with the Statewide and modal programs is included. This STIP follows the format used for the draft, with year-by-year funding tables listed for most projects, and break descriptions for selected projects. The projects are grouped by highway and non-highway, then by program (e.g. first Interstate, then rural, urban, feasibility studies, bridge, safety, and congestion mitigation) or mode (aviation, bicycle/pedestrian, transit, and rail), respectively. Within the I, R, U, and B programs, the order is more or less by route (e.g. Interstate, then US, then NC, then “new routes”, then SR.)

The FHWA and FTA will be asked to approve the 2018-2027 STIP no later than January 1, 2018. We will continue to bring amendments to the Board of Transportation each month as usual. However, beginning with the September handout, which you should be receiving in a few weeks, you’ll note that we are asking the BOT to amend **both** the current (2016-2025) STIP **and** the newly-adopted (2018-2027) STIP. This will continue until such time as we receive Final Federal approval of the 2018-2027 STIP in January of 2018 (hopefully). NCDOT will forward the amendments to the FHWA each month as usual, but will be asking them to approve for only the current (2016-2025) STIP. We will then re-send the amendment packages, but as amendments to the 2018-2027 STIP, when we request Federal approval of the new STIP. This approach will avoid the BOT having to process the same items twice.

Action Requested

For your information only.

NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS															
						STATE TRANSPORTATION PROGRAM						DEVELOPMENTAL PROGRAM					UNFUNDED				
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS				
INTERSTATE PROJECTS																					
I-40 DAVIE	I-3600 TRN	SR 1436 (PINEBROOK DRIVE) TO WEST OF NC 801. PAVEMENT REHABILITATION.	5	26864	25298	NHP CG 1566															
PROJECT COMPLETE - GARVEE BOND FUNDING \$13.8 MILLION; PAYBACK FY 2007 - FY 2018																					
I-40 DAVIE	I-5765 SW	0.5 MILES WEST OF US 601 TO 1.2 MILES EAST OF SR 1410 (FARMINGTON ROAD). PAVEMENT REHABILITATION.	5.8	11975	11975																
UNDER CONSTRUCTION																					
I-40 DAVIE	I-5823 SW	IREDELL COUNTY LINE TO 0.5 MILE WEST OF US 601. PAVEMENT REHABILITATION.	7.2	30075	75	NHPIM			C 30000												
PLANNING / DESIGN IN PROGRESS																					
I-74 SURRY	I-5002 TRN	I-77 TO US 601. PAVEMENT REHABILITATION.	6	12090	11576	NHP CG 514															
PROJECT COMPLETE - GARVEE BOND FUNDING \$4.69 MILLION; PAYBACK FY 2007 - FY 2018																					
I-74 SURRY	I-5907 SW	I-77 TO US 601. PAVEMENT REHABILITATION.	6.6	4300		NHPIM							C 4300								
I-74 SURRY	I-5863 SW	US 601 TO MILEMARKER 17.7. PAVEMENT REHABILITATION.	6.2	3950	3950																
UNDER CONSTRUCTION																					
I-74 SURRY	I-5862 SW	VIRGINIA STATE LINE TO I-77. PAVEMENT REHABILITATION.	4.9	3450	3450																
UNDER CONSTRUCTION																					
I-77 SURRY	I-5829 SW	MILEMARKER 91 TO MILEMARKER 95. PAVEMENT REHABILITATION.	4	3050	3050																
UNDER CONSTRUCTION																					
I-77 YADKIN	I-5911 SW	IREDELL COUNTY LINE TO MILEMARKER 71.8. PAVEMENT REHABILITATION.	3.1	2100		NHPIM							C 2100								
I-77 SURRY	I-5910 SW	MILEMARKER 95 TO MILEMARKER 99. PAVEMENT REHABILITATION.	4	3500		NHPIM									C 3500						
I-77 SURRY	I-5909 SW	MILEMARKER 86.9 TO MILEMARKER 91. PAVEMENT REHABILITATION.	4.1	2600		NHPIM C 2600															

DIV - Division Category	EX - Exempt Category
HF - State Dollars (Non STI)	REG - Regional Category
SW - Statewide Category	TRN - Transition Project

NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS										FUTURE YEARS				
							STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM						UNFUNDED			
							FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027					
INTERSTATE PROJECTS																					
I-77 YADKIN	I-5865 SW	MILEMARKER 75.8 TO US 21 (EXIT 79). PAVEMENT REHABILITATION.	2.6	2200		NHPIM			C	2200											
I-77 SURRY	I-5802 SW	MILEMARKER 85.9 TO MILEMARKER 86.9. PAVEMENT REHABILITATION.	1	850	850																
UNDER CONSTRUCTION																					
I-77 SURRY YADKIN	I-5912 SW	US 21 IN YADKIN COUNTY (EXIT 79) TO MILEMARKER 83.4 IN SURRY COUNTY. PAVEMENT REHABILITATION.	5	6000		NHPIM					C	6000									
I-77 SURRY	I-5830 SW	MILEMARKER 99 TO I-74. PAVEMENT REHABILITATION.	2.3	1750	1750																
UNDER CONSTRUCTION																					
I-77 SURRY YADKIN	I-2808	SOUTH OF SR 1125 (MILE MARKER 71) IN YADKIN COUNTY TO US 21 BYPASS (MILE MARKER 83.5) IN SURRY COUNTY (EXIT 83). PAVEMENT REHABILITATION.	12	139806	75060	NHP	CG	3746	A									C	61000	B	
TRN A SOUTH OF SR 1125 (ASHBURY CHURCH ROAD-MILEPOST 71) TO US 21 IN YADKIN COUNTY (EXIT 79) - COMPLETE B US 21 IN YADKIN COUNTY (EXIT 79) TO US 21 BYPASS (EXIT 83) IN SURRY COUNTY																					
SECTION A - GARVEE BOND FUNDING \$35 MILLION; PAYBACK FY 2007 - FY 2018																					
I-77 SURRY	I-5801 SW	MILEMARKER 83.4 TO MILEMARKER 85.9. PAVEMENT REHABILITATION.	2.5	900	900																
UNDER CONSTRUCTION																					
I-77 YADKIN	I-5864 SW	MILEMARKER 71.8 TO MILEMARKER 75.8. PAVEMENT REHABILITATION.	4	4500		NHPIM	C	4500													
RURAL PROJECTS																					
US 64 DAVIDSON DAVIE	R-5862	US 601 SOUTH OF MOCKSVILLE TO US 29 / US 52 / US 70 / BUSINESS 85 IN LEXINGTON. WIDEN TO MULTILANES AND UPGRADE US 29 / US 52 / US 70 / BUSINESS 85 INTERCHANGE.	16.9	183399		T													R	43236	A
REG B DAVIE COUNTY LINE TO US 29 / US 52 / US 70 / BUSINESS 85 IN LEXINGTON																					
T U 5188 A C 76000 A R 13189 B U 1583 B C 11051 B C 11050 B C 22102 B																					

DIV - Division Category **EX - Exempt Category**
HF - State Dollars (Non STI) **REG - Regional Category**
SW - Statewide Category **TRN - Transition Project**

COST AND SCHEDULES ARE PRELIMINARY AND SUBJECT TO
 SIGNIFICANT CHANGE AS MORE INFORMATION BECOMES AVAILABLE

NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS										UNFUNDED FUTURE YEARS		
						STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM							
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS	
RURAL PROJECTS																		
US 311 (NORTH MAIN STREET) STOKES	R-5828	SR 1918 (FIRST STREET) IN WALNUT COVE. CONSTRUCT ROUNDABOUT.		1100	200				R 150									
									U 100									
										C 650								
PLANNING / DESIGN IN PROGRESS																		
US 311	R-5768	NC 65 IN WALNUT COVE. UPGRADE INTERSECTION AND IMPROVE RAILROAD CROSSING.		6150	750	STBG	R	1800										
						STBG	U	300										
						STBG			C 3300									
STOKES	DIV																	
PLANNING / DESIGN IN PROGRESS																		
US 601	R-5714	US 52 TO SR 1365 (FORREST DRIVE). UPGRADE ROADWAY.	1	6700	500	T			R 1700									
						T			U 200									
						T				C 4300								
SURRY	REG																	
US 601	R-5831	US 601 (CAROLINA AVENUE) AND NC 67 (MAIN STREET). UPGRADE INTERSECTION.		820		T			R 135									
						T			U 100									
						T				C 585								
YADKIN	DIV																	
US 601	R-5836	I-74 TO SR 1104 (CODY TRAIL). WIDEN TO 4-LANES.	7.2	54700		T			R 3200									
						T			U 500									
						T				C 17000	C 17000	C 17000						
SURRY	DIV																	
US 601	R-5736	SR 1345 (BLAISE CHURCH ROAD) TO SR 1408 (CANA ROAD). WIDEN TO MULTILANES.	1.5	17630	700	T				R 4110								
						T				U 500								
						T					C 6160	C 6160						
DAVIE	DIV																	
PLANNING / DESIGN IN PROGRESS																		
US 601	R-5728	SOUTH SALISBURY STREET IN MOCKSVILLE. INTERSECTION IMPROVEMENTS.		2425	1600	T	C	825										
DAVIE	REG																	
RIGHT OF WAY IN PROGRESS																		
SR 1410 (FARMINGTON ROAD)	R-5854	I-40 EASTBOUND RAMP AND US 158 INTERSECTION. CONSTRUCT ROUNDABOUTS.	1	2188		T												
						T												
						T						C 1788						
DAVIE	DIV																	

DIV - Division Category **EX - Exempt Category**
HF - State Dollars (Non STI) **REG - Regional Category**
SW - Statewide Category **TRN - Transition Project**

NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS														
						STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED				
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS			
RURAL PROJECTS																				
SR 1605 (OLD US 421)	R-5730	SR 1146 (SHACKTOWN ROAD) TO SR 1711 (SPEER BRIDGE ROAD). CONSTRUCT NEW ROADWAY TO REALIGN SR 1605 WITH SR 1711 AND CONSTRUCT A ROUNDABOUT AT THE INTERSECTION WITH SR 1146.	0.2	1900	250	T	R	300												
						T	U	100												
YADKIN	DIV					T			C	1250										
<hr/>																				
SR 1627 (HOLLY SPRINGS ROAD)	R-5309	JANICE DRIVE TO COTTAGE DRIVE. RELOCATE ROADWAY FOR MOUNT AIRY-SURRY COUNTY AIRPORT RUNWAY EXTENSION.	1.2	1000	1000	UNDER CONSTRUCTION BY MOUNT AIRY-SURRY COUNTY AIRPORT														
SURRY	TRN																			
<hr/>																				
VARIOUS	R-5791	DIVISION 11 PROGRAM TO UPGRADE INTERSECTIONS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) USING TRANSPORTATION ALTERNATIVES (TA) FUNDS.		597	597	UNDER CONSTRUCTION														
ALLEGHANY	DIV																			
ASHE																				
AVERY																				
CALDWELL																				
SURRY																				
WATAUGA																				
WILKES																				
YADKIN																				
<hr/>																				
URBAN PROJECTS																				
US 601 (STATE STREET)	U-5809	US 421 TO SR 1146 (LEE AVENUE). CONSTRUCT MEDIAN AND ROUNDABOUTS.	0.6	11050	750	T	R	1500												
						T	U	200												
YADKIN	DIV					T			C	8600										

DIV - Division Category EX - Exempt Category
HF - State Dollars (Non STI) REG - Regional Category
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**NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM**

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED
							FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS
URBAN PROJECTS																	
WILKESBORO STREET	U-6002	YADKINVILLE ROAD IN MOCKSVILLE. CONSTRUCT ROUNDABOUT.		1200	300	T	R	150									
						T	U	100									
						T				C	650						
DAVIE	DIV																
PLANNING / DESIGN IN PROGRESS																	
BRIDGE PROJECTS																	
I-77 NORTH	B-5831	REPLACE BRIDGE 850006 OVER NC 268, SOUTHERN RR, AND YADKIN RIVER.		13099	100	NHPB					R	600					
						NHPB							C	4133			
SURRY	SW												C	4133	C	4133	
US 21 BUSINESS	B-5833	REPLACE BRIDGE 980029 OVER I-77.		6500	100	NHPB					R	300					
						NHPB							C	3050			
YADKIN	REG																
US 52 (NORTH-BOUND LANE)	B-5527	REPLACE BRIDGE 850122 OVER TOMS CREEK.		4650	100	NHPB			R	400							
						NHPB				C	2075	C	2075				
SURRY	SW																
NC 67	B-5825	REPLACE BRIDGE 980035 OVER YADKIN RIVER.		17430	100	T					R	830					
						T							C	5500	C	5500	
YADKIN	REG																
SR 1149 (ELK SPUR STREET)	B-5971	REPLACE BRIDGE 850387 OVER ELKIN CREEK.		6700		STPOFF									R	300	
						STPOFF										C	6400
SURRY	DIV																
SR 1328 (HAYSTACK ROAD)	B-5173	REPLACE BRIDGE 850039 OVER MITCHELL RIVER.		1346	1346												
SURRY	DIV																
UNDER CONSTRUCTION																	
SR 1484 (DAN GEORGE ROAD)	B-5784	REPLACE BRIDGE 840125 OVER NORTH DOUBLE CREEK.		1314	175	T	R	54									
						T			C	1085							
STOKES	DIV																
PLANNING / DESIGN IN PROGRESS																	
SR 1674 (SHEPPARD MILL ROAD)	B-5766	REPLACE BRIDGE 840082 OVER DAN RIVER IN DANBURY.		4668	100	STPOFF					R	218					
						STPOFF							C	4350			
STOKES	DIV																
PLANNING / DESIGN IN PROGRESS																	

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COST AND SCHEDULES ARE PRELIMINARY AND SUBJECT TO
SIGNIFICANT CHANGE AS MORE INFORMATION BECOMES AVAILABLE

NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS													
							STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED			
							FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS			
MITIGATION PROJECTS																				
VARIOUS ALLEGHANY ASHE AVERY CALDWELL SURRY WATAUGA WILKES YADKIN	EE-4911	ECOSYSTEM ENHANCEMENT PROGRAM FOR DIVISION 11 PROJECT MITIGATION.		14611	14611															
IN PROGRESS																				
HIGHWAY SAFETY PROJECTS																				
NC 89 SURRY	W-5307	SOUTH OF NC 18 TO SOUTH OF NC 18. CURVE RE-ALIGNMENT, PAVEMENT WIDENING, AND PAVED SHOULDERS.	0.2	2478	2478															
UNDER CONSTRUCTION																				
VARIOUS DAVIDSON DAVIE FORSYTH ROWAN STOKES	W-5209	DIVISION 9 RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS.		5068	5068															
IN PROGRESS																				
VARIOUS	W-5709	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 9.		895	195		HSIP	R	30	DIV										
							HSIP	C	180	DIV										
							HSIP	R	30	RE										
							HSIP	C	180	RE										
							HSIP	R	40	SW										
							HSIP	C	240	SW										
DAVIDSON DAVIE FORSYTH ROWAN STOKES							DIV	DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS.											
							REG	REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS.											
							SW	SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS.											

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NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM

ROUTE/CITY	ID	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS										UNFUNDED	
							STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM						FUTURE YEARS
COUNTY	NUMBER						FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027		
HIGHWAY SAFETY PROJECTS																		
VARIOUS	W-5711	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 11.		1400			HSIP	R	30	DIV	R	30	DIV					
							HSIP	C	180	DIV	C	180	DIV					
							HSIP	R	30	RE	R	30	RE					
							HSIP	C	180	RE	C	180	RE					
							HSIP	R	40	SW	R	40	SW					
							HSIP	C	240	SW	C	240	SW					
ALLEGHANY							DIV	DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS. - IN PROGRESS									
ASHE							REG	REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS. - IN PROGRESS									
AVERY							SW	SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS. - IN PROGRESS									
CALDWELL																		
SURRY																		
WATAUGA																		
WILKES																		
YADKIN																		
<hr/>																		
VARIOUS	W-5211	DIVISION 11 RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS.		292	292													
ALLEGHANY							REG	REG	DIVISION 11 RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS IN REGIONAL CATEGORY.									
ASHE																		
AVERY																		
CALDWELL																		
SURRY																		
WATAUGA																		
WILKES																		
YADKIN																		
<hr/>																		
DIVISION PURCHASE ORDER CONTRACT (DPOC) - IN PROGRESS																		
CONGESTION MITIGATION PROJECTS																		
VARIOUS	C-5614	PROJECTS TO IMPROVE CONGESTION AND AIR QUALITY IN THE NORTHWEST PIEDMONT RPO.		124			CMAQ	PE	5		PE	5						
							L	PE	1		PE	1						
							CMAQ	R	5		R	5						
							L	R	1		R	1						
							CMAQ	C	30		C	30						
							L	C	8		C	8						
							CMAQ	O	5		O	5						
							L	O	1		O	1						
							CMAQ	I	5		I	5						
							L	I	1		I	1						
DAVIE	EX																	

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NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
HIGHWAY PROGRAM

ROUTE/CITY	ID	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS										
							STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED
COUNTY	NUMBER						FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS
CONGESTION MITIGATION PROJECTS																	
VARIOUS	C-4936	PIEDMONT AUTHORITY FOR REGIONAL TRANSPORTATION (PART). IMPLEMENT A REGIONAL AIR QUALITY AWARENESS PROGRAM.		714	714												
CASWELL	EX																
DAVIDSON																	
FORSYTH																	
GUILFORD																	
MONTGOMERY																	
RANDOLPH																	
ROCKINGHAM																	
IN PROGRESS BY PIEDMONT AUTHORITY FOR REGIONAL TRANSPORTATION																	
ROADSIDE ENVIRONMENTAL PROJECTS (SCENIC)																	
YADKIN VALLEY	S-5503	YADKIN VALLEY SCENIC BYWAY		68	68												
SCENIC BYWAY		WAYFINDING PROGRAM.															
SURRY																	
YADKIN																	
IN PROGRESS - 2012 NATIONAL SCENIC BYWAYS GRANT																	

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NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
NON HIGHWAY PROGRAM

ROUTE/CITY	ID	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS														
						STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED				
COUNTY	NUMBER					FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS			
<u>PUBLIC TRANSPORTATION PROJECTS</u>																				
THE MENTAL HEALTH FUND	TA-6549	CAPITAL - REPLACEMENT VEHICLES		162	162	FEPD														
						L														
						S														
CATAWBA	HF																			
YADKIN VALLEY ECONOMIC DEVELOPMENT DISTRICT	TA-6139	CAPITAL		2746	2746	FNU														
						L														
						S														
DAVIE STOKES SURRY YADKIN	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
YADKIN VALLEY ECONOMIC DEVELOPMENT DISTRICT	TK-6174	ADMINISTRATION		6002	3446	FNU	0	341	0	341	0	341	0	341	0	341				
						FNU														
						L	0	64	0	64	0	64	0	64	0	64				
						S	0	21	0	21	0	21	0	21	0	21				
DAVIE STOKES SURRY YADKIN	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
YADKIN VALLEY ECONOMIC DEVELOPMENT DISTRICT	TN-6122	OPERATING		12	12	ENF														
DAVIE STOKES SURRY YADKIN	HF																			

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NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
NON HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS											
						STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED	
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS
<u>PUBLIC TRANSPORTATION PROJECTS</u>																	
YADKIN VALLEY ECONOMIC DEVELOPMENT DISTRICT DAVIE STOKES SURRY YADKIN	TO-6113	OPERATING ASSISTANCE		534	534	FNU											
						L											
						FUNDS AUTHORIZED IN PROGRESS											
YADKIN VALLEY ECONOMIC DEVELOPMENT DISTRICT DAVIE STOKES SURRY YADKIN	TQ-6927	OPERATING		124	124	FEPD											
						L											
						FUNDS AUTHORIZED IN PROGRESS											
YADKIN VALLEY ECONOMIC DEVELOPMENT DISTRICT DAVIE STOKES SURRY YADKIN	TQ-6798	OPERATING		100	100	FEPD											
						L											
						FUNDS AUTHORIZED IN PROGRESS											
YADKIN VALLEY ECONOMIC DEVELOPMENT DISTRICT DAVIE STOKES SURRY YADKIN	TQ-8004	CAPITAL - MOBILITY MANAGEMENT		44	44	FNF											
						L											
						S											

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NORTHWEST PIEDMONT RURAL PLANNING ORGANIZATION
NON HIGHWAY PROGRAM

ROUTE/CITY	ID	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS										
							STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED
COUNTY	NUMBER						FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS
<u>PUBLIC TRANSPORTATION PROJECTS</u>																	
YADKIN VALLEY	TQ-8013	CAPITAL - MOBILITY MANAGEMENT		44	44	FE											
ECONOMIC						PD											
DEVELOPMENT						L											
DISTRICT						S											
DAVIE	HF																
STOKES																	
SURRY																	
YADKIN																	
FUNDS AUTHORIZED IN PROGRESS																	

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STATEWIDE PROJECTS HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																		
						STATE TRANSPORTATION PROGRAM										DEVELOPMENTAL PROGRAM					UNFUNDED			
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS							
RURAL PROJECTS																								
VARIOUS	M-0521	TRANSPORTATION PLANNING BRANCH, TRAFFIC FORECASTING FOR MISCELLANEOUS PROJECTS.		600	300	T	PE	100	DIV															
						T	PE	100	RE															
						T	PE	100	SW															
STATEWIDE						DIV DIV TRANSPORTATION PLANNING BRANCH, TRAFFIC FORECASTING FOR MISCELLANEOUS PROJECTS ON THE DIVISION TIER. REG REG TRANSPORTATION PLANNING BRANCH, TRAFFIC FORECASTING FOR MISCELLANEOUS PROJECTS ON THE REGIONAL TIER. SW SW TRANSPORTATION PLANNING BRANCH, TRAFFIC FORECASTING FOR MISCELLANEOUS PROJECTS ON THE STATEWIDE TIER.																		
						IN PROGRESS																		
VARIOUS	M-0376	STATEWIDE GEOTECHNICAL STUDIES AND INVESTIGATIONS PROJECT TO COVER NON- PROJECT SPECIFIC WORK.		21257	12167	T	PE	270	DIV	PE	270	DIV	PE	270	DIV	PE	270	DIV	PE	270	DIV			
						T	PE	270	RE	PE	270	RE	PE	270	RE	PE	270	RE	PE	270	RE			
						T	PE	360	SW	PE	360	SW	PE	360	SW	PE	360	SW	PE	270	SW	PE	360	SW
STATEWIDE						DIV DIV STATEWIDE GEOTECHNICAL STUDIES AND INVESTIGATIONS PROJECT TO COVER NON-PROJECT SPECIFIC WORK. REG REG STATEWIDE GEOTECHNICAL STUDIES AND INVESTIGATIONS PROJECT TO COVER NON-PROJECT SPECIFIC WORK. SW SW STATEWIDE GEOTECHNICAL STUDIES AND INVESTIGATIONS PROJECT TO COVER NON-PROJECT SPECIFIC WORK.																		
						IN PROGRESS																		
VARIOUS	M-0360	DESIGN SERVICES, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.		23328	13328	T	PE	300	DIV	PE	300	DIV	PE	300	DIV	PE	300	DIV	PE	300	DIV			
						T	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE
						T	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW
STATEWIDE						DIV DIV DESIGN SERVICES, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS. REG REG DESIGN SERVICES, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS. SW SW DESIGN SERVICES, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.																		
						IN PROGRESS																		
VARIOUS	R-4067	POSITIVE GUIDANCE PROGRAM (PAVEMENT MARKINGS AND MARKERS, LED SIGNAL HEAD REPLACEMENT).		89398	89398																			
STATEWIDE																								
						IN PROGRESS																		
VARIOUS	R-4701	TRAFFIC SYSTEM OPERATIONS PROGRAM (SIGNAL MAINTENANCE).		265523	265523																			
STATEWIDE																								
						IN PROGRESS																		
VARIOUS	R-5753	FEDERAL LANDS TRANSPORTATION PROGRAM (FLTP). ROAD AND BRIDGE IMPROVEMENTS TO BE CONSTRUCTED ON TRANSPORTATION FACILITIES THAT ARE OWNED BY THE FEDERAL GOVERNMENT THAT PROVIDE ACCESS TO FEDERAL LANDS.																						
STATEWIDE	EX																							
						PROGRAM IN PROGRESS																		

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STATEWIDE PROJECTS HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS															UNFUNDED FUTURE YEARS									
							STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM																			
							FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027															
RURAL PROJECTS																															
VARIOUS STATEWIDE	R-4073	ASPHALT MATERIALS TESTING LABORATORIES CORRECTIVE ACTION PLAN FOR GROUNDWATER CLEAN-UP AT 54 SITES.		20305	20305																										
IN PROGRESS																															
VARIOUS STATEWIDE	R-4049	TRAFFIC OPERATIONS (INCIDENT MANAGEMENT, 511, SMARTLINK, TEC, TMC).		158759	158759																										
IN PROGRESS																															
VARIOUS STATEWIDE	R-4436	NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY.		67523	37523		STBG	C	900	DIV	C	900	DIV	C	900	DIV	C	900	DIV	C	900	DIV	C	900	DIV	C	900	DIV			
IN PROGRESS																															
DIV DIV NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY - DIVISION CATEGORY. - IN PROGRESS REG REG NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY - REGIONAL CATEGORY. - IN PROGRESS SW SW NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY - STATEWIDE CATEGORY. - IN PROGRESS																															
IN PROGRESS																															
VARIOUS STATEWIDE	R-9999WM	ENVIRONMENTAL MITIGATION AND MINIMIZATION.		82759	72759		NHP	M	150	DIV	M	150	DIV	M	150	DIV	M	150	DIV	M	150	DIV	M	150	DIV	M	150	DIV			
IN PROGRESS																															
DIV DIV ENVIRONMENTAL MITIGATION AND MINIMIZATION. REG REG ENVIRONMENTAL MITIGATION AND MINIMIZATION. SW SW ENVIRONMENTAL MITIGATION AND MINIMIZATION.																															
URBAN PROJECTS																															
VARIOUS STATEWIDE	M-0505	TRANSPORTATION PROGRAM MANAGEMENT UNIT (TPMU) OVERSIGHT FOR LOCALLY-ADMINISTERED PROJECTS INCLUDING PREPARATION OF AGREEMENTS AND FUNDING AUTHORIZATION REQUESTS.		3300	300		T	PE	300		PE	300		PE	300		PE	300	PE	300		PE	300		PE	300					
FEASIBILITY STUDIES																															
VARIOUS STATEWIDE	M-0452	TOLLING/FINANCIAL FEASIBILITY STUDIES.		3064	1064		T	PE	200		PE	200		PE	200		PE	200	PE	200		PE	200		PE	200					

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STATEWIDE PROJECTS HIGHWAY PROGRAM

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED											
							FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS											
BRIDGE PROJECTS																												
VARIOUS STATEWIDE	M-0379 DIV	SCOUR EVALUATION PROGRAM OF EXISTING BRIDGES.		3100	3100																							
IN PROGRESS																												
HIGHWAY SAFETY PROJECTS																												
VARIOUS STATEWIDE	W-9999	HIGHWAY SAFETY IMPROVEMENT PROGRAM BALANCE.		223850			HSIP	C	3600	DIV	C	6750	DIV	C	7035	DIV	C	7110	DIV	C	7110	DIV						
							HSIP	C	3600	RE	C	6750	RE	C	7035	RE	C	7110	RE	C	7110	RE	C	7110	RE			
							HSIP	C	4800	SW	C	9000	SW	C	9380	SW	C	9480	SW	C	9480	SW	C	9480	SW			
DIV DIV HIGHWAY SAFETY IMPROVEMENT PROGRAM BALANCE. REG REG HIGHWAY SAFETY IMPROVEMENT PROGRAM BALANCE. SW SW HIGHWAY SAFETY IMPROVEMENT PROGRAM BALANCE.																												
VARIOUS STATEWIDE	W-5300	SIGNAL RETIMING TO IMPROVE SAFETY.		6608	6608																							
DIV DIV SIGNAL RETIMING TO IMPROVE SAFETY. REG REG SIGNAL RETIMING TO IMPROVE SAFETY. SW SW SIGNAL RETIMING TO IMPROVE SAFETY.																												
IN PROGRESS																												
VARIOUS STATEWIDE	W-5517	SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING.		71601	16601		HSIP	PE	1650	DIV	PE	1650	DIV	PE	1650	DIV	PE	1650	DIV	PE	1650	DIV						
							HSIP	PE	1650	RE	PE	1650	RE	PE	1650	RE	PE	1650	RE	PE	1650	RE	PE	1650	RE			
							HSIP	PE	2200	SW	PE	2200	SW	PE	2200	SW	PE	2200	SW	PE	2200	SW	PE	2200	SW			
DIV DIV SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING. REG REG SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING. SW SW SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING.																												
VARIOUS STATEWIDE	W-5601	RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS.		180736	82736		HSIP	R	420	DIV	R	420	DIV	R	420	DIV	R	420	DIV	R	420	DIV						
							HSIP	C	2520	DIV	C	2520	DIV	C	2520	DIV	C	2520	DIV	C	2520	DIV	C	2520	DIV			
							HSIP	R	420	RE	R	420	RE	R	420	RE	R	420	RE	R	420	RE	R	420	RE			
							HSIP	C	2520	RE	C	2520	RE	C	2520	RE	C	2520	RE	C	2520	RE	C	2520	RE			
							HSIP	R	560	SW	R	560	SW	R	560	SW	R	560	SW	R	560	SW	R	560	SW			
							HSIP	C	3360	SW	C	3360	SW	C	3360	SW	C	3360	SW	C	3360	SW	C	3360	SW			
DIV DIV RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS ON DIVISION CATEGORY. REG REG RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS ON REGIONAL CATEGORY. SW SW RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS ON STATEWIDE CATEGORY.																												
IN PROGRESS																												

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STATEWIDE PROJECTS HIGHWAY PROGRAM

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	STATE TRANSPORTATION PROGRAM												DEVELOPMENTAL PROGRAM					UNFUNDED																
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS																						
ENHANCEMENT (ROADSIDE PROJECTS)																																							
VARIOUS	ER-5600	VEGETATION MANAGEMENT - CLEAR ZONE IMPROVEMENT AND MANAGEMENT STATEWIDE.		42182	2182	STBG	C	1200	DIV	C	1200	DIV	C	1200	DIV	C	1200	DIV	C	1200	DIV	C	1200	DIV	C	1200	DIV												
						STBG	C	1200	RE	C	1200	RE	C	1200	RE	C	1200	RE	C	1200	RE	C	1200	RE	C	1200	RE												
						STBG	C	1600	SW	C	1600	SW	C	1600	SW	C	1600	SW	C	1600	SW	C	1600	SW	C	1600	SW												
STATEWIDE						DIV	DIV	VEGETATION MANAGEMENT - CLEAR ZONE IMPROVEMENT AND MANAGEMENT STATEWIDE - DIVISION CATEGORY. - IN PROGRESS																															
						REG	REG	VEGETATION MANAGEMENT - CLEAR ZONE IMPROVEMENT AND MANAGEMENT STATEWIDE - REGIONAL CATEGORY. - IN PROGRESS																															
						SW	SW	VEGETATION MANAGEMENT - CLEAR ZONE IMPROVEMENT AND MANAGEMENT STATEWIDE - STATEWIDE CATEGORY. - IN PROGRESS																															
						IN PROGRESS																																	
VARIOUS	M-0451	STATEWIDE LANDSCAPE PLANS FOR STIP CONSTRUCTION PROJECTS.		1312	612	T	PE	21	DIV	PE	21	DIV	PE	21	DIV	PE	21	DIV	PE	21	DIV	PE	21	DIV	PE	21	DIV	PE	21	DIV									
						T	PE	21	RE	PE	21	RE	PE	21	RE	PE	21	RE	PE	21	RE	PE	21	RE	PE	21	RE	PE	21	RE									
						T	PE	28	SW	PE	28	SW	PE	28	SW	PE	28	SW	PE	28	SW	PE	28	SW	PE	28	SW	PE	28	SW									
STATEWIDE						DIV	DIV	STATEWIDE LANDSCAPE PLANS FOR STIP CONSTRUCTION PROJECTS.																															
						REG	REG	STATEWIDE LANDSCAPE PLANS FOR STIP CONSTRUCTION PROJECTS.																															
						SW	SW	STATEWIDE LANDSCAPE PLANS FOR STIP CONSTRUCTION PROJECTS.																															
SAFE ROUTES TO SCHOOLS PROJECTS																																							
VARIOUS	SR-5001	SAFE ROUTES TO SCHOOL PROGRAM. PROJECTS TO IMPROVE SAFETY, REDUCE TRAFFIC, FUEL CONSUMPTION AND AIR POLLUTION IN VICINITY OF SCHOOLS.		13519	13519																																		
STATEWIDE	DIV																																						
						IN PROGRESS - \$200,800 IN STPDA FUNDS ALLOCATED TO SR-5001C																																	
VARIOUS	SR-5000	SAFE ROUTES TO SCHOOL PROGRAM. EDUCATIONAL, TRAINING AND OTHER NON-INFRASTRUCTURE NEEDS.		6435	6435																																		
STATEWIDE	DIV																																						
						IN PROGRESS																																	

DIV - Division Category	EX - Exempt Category
HF - State Dollars (Non STI)	REG - Regional Category
SW - Statewide Category	TRN - Transition Project

STATEWIDE PROJECTS NON HIGHWAY PROGRAM

			TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																						
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	STATE TRANSPORTATION PROGRAM						DEVELOPMENTAL PROGRAM					UNFUNDED								
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS								
BICYCLE AND PEDESTRIAN PROJECTS																									
VARIOUS STATEWIDE	E-4018 DIV	NATIONAL RECREATIONAL TRAILS.		12645	645	TAP	C	1200	C	1200	C	1200	C	1200	C	1200	C	1200	C	1200	C	1200			
IN PROGRESS																									
VARIOUS STATEWIDE	EB-3314 TRN	STATEWIDE PEDESTRIAN FACILITIES PROGRAM.		6476	6476																				
UNDER CONSTRUCTION																									
VARIOUS STATEWIDE	EB-4411	ROADWAY IMPROVEMENTS FOR BICYCLE SAFETY ON STATE AND LOCAL DESIGNATED BIKE ROUTES.																							
IN PROGRESS																									
VARIOUS STATEWIDE	EB-5542 DIV	STATEWIDE BICYCLE-PEDESTRIAN PROGRAM.		11503	1503	STBG	PE	1000	PE	1000	PE	1000	PE	1000	PE	1000	PE	1000	PE	1000	PE	1000			
VARIOUS STATEWIDE	ER-2971 TRN	SIDEWALK PROGRAM IN ALL FOURTEEN HIGHWAY DIVISIONS.		25408	25408																				
IN PROGRESS - \$182,000 IN STPDA FUNDS ALLOCATED TO ER-2971E																									
PUBLIC TRANSPORTATION PROJECTS																									
GREYHOUND LINES STATEWIDE	TI-6108 HF	INTERCITY BUS SERVICE FROM RALEIGH TO JACKSONVILLE VIA WILMINGTON ALONG US 70, US 117, AND US 17 AND FROM JACKSONVILLE TO MYRTLE BEACH VIA WILMINGTON ALONG US 17		4081	4081	FNU																			
GREYHOUND LINES STATEWIDE	TI-6105 HF	INTERCITY BUS SERVICE FROM RALEIGH TO NORFOLK ALONG US 64 AND US 258 WITH STOPS AT RALEIGH, ROCKY MOUNT, AHOSKIE, AND SUFFOLK		1402	1402	FNF																			
GREYHOUND LINES STATEWIDE	TI-6106 HF	INTERCITY BUS SERVICE FROM RALEIGH TO WILMINGTON ALONG US 70 AND US 117 WITH STOPS AT RALEIGH, SMITHFIELD, GOLDSBORO, WALLACE, AND WILMINGTON		1592	1592	FNU																			
GREYHOUND LINES STATEWIDE	TI-6107 HF	INTERCITY BUS SERVICE FROM RALEIGH TO JACKSONVILLE ALONG US 70 AND US 17 WITH STOPS AT RALEIGH, SMITHFIELD, GOLDSBORO, KINSTON, AND NEW BERN		1910	1910	FNU																			

DIV - Division Category	EX - Exempt Category
HF - State Dollars (Non STI)	REG - Regional Category
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STATEWIDE PROJECTS NON HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS														
						STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED				
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS			
PUBLIC TRANSPORTATION PROJECTS																				
NCDOT FERRY DIVISION STATEWIDE	TA-6535	CAPITAL		789	789	FNF														
						S														
REGIONAL COORDINATED AREA TRANSPORTION STATEWIDE	TP-4901	PLANNING ASSISTANCE - RESEARCH SUPPORT ACTIVITIES		7769	5579	FSPR	CP	600	CP	600	CP	600								
						S	CP	150	CP	120	CP	120								
FUNDS AUTHORIZED IN PROGRESS																				
REGIONAL COORDINATED AREA TRANSPORTION STATEWIDE	TT-9702A	TECHNOLOGY - ADMINISTRATION (ITRE)		50	50	UTCH														
STATEWIDE	TA-6665	5311 CAPITAL PROJECTS FOR RURAL AREAS		18676	11823	FNU	CP	4262												
						L	CP	620												
						S	CP	1971												
STATEWIDE																				
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TA-6666	PURCHASE REPLACEMENT VEHICLES		3735	1527	FBUS	CP	1806												
						L	CP	201												
						S	CP	201												
STATEWIDE																				
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TA-6520	SECTION 5317 NEW FREEDOM CAPITAL FUNDING ASSISTANCE TO COMMUNITY TRANSPORTATION SYSTEMS AND NON- PROFIT AGENCIES ACROSS THE STATE		443	443	FNF														
STATEWIDE	HF																			
STATEWIDE	TC-5004	5311 ADTAP CAPITAL PROJECTS FOR RURAL AREAS		5129	2310	ADTAP	CP	2264												
						L	CP	278												
						S	CP	277												
STATEWIDE																				
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TH-2000	TRAVELER'S AID PROGRAM		126	126	L														
						S														
STATEWIDE																				
FUNDS AUTHORIZED IN PROGRESS																				

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STATEWIDE PROJECTS NON HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS														
						STATE TRANSPORTATION PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED				
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS			
PUBLIC TRANSPORTATION PROJECTS																				
STATEWIDE	TI-6109	INTERCITY BUS SERVICE		9043	9043	FNU														
						L														
						S														
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TK-6181	5311 ADMINISTRATIVE PROJECTS FOR RURAL AREAS		35682	17973	FNU	AD	13423												
						L	AD	2630												
						S	AD	1656												
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TK-4902	STATE ADMINISTRATION OF APPALACHIAN DEVELOPMENT TRANSPORTATION ASSISTANCE PROGRAM		561	330	ADTAP	AD	231												
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TK-4900Z	STATE ADMINISTRATION - RURAL AREA GENERAL PUBLIC TRANSIT SERVICES		19423	12180	FNU	AD	1743	AD	1100	AD	1100	AD	1100	AD	1100				
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TM-6155	OPERATING FUNDING FOR EXISTING PROJECTS STATEWIDE		350	350	JARC														
STATEWIDE	HF					L														
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TO-6135	5311 OPERATING PROJECTS FOR RURAL AREAS		4293	4293	FNU														
STATEWIDE	HF					L														
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TP-4902	STATEWIDE SUPPORT TO UPDATE LOCAL COMMUNITY TRANSPORTATION SERVICE PLANS - 5311		3710	3710	FNU														
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TQ-9038	5310 CAPITAL PROJECTS FOR RURAL AREAS AND SMALL URBAN AREAS		7551	3226	FEPD	CP	3459												
						L	CP	433												
						S	CP	433												
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				

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STATEWIDE PROJECTS NON HIGHWAY PROGRAM

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS														
						STATE TRANSPORTATION PROGRAM						DEVELOPMENTAL PROGRAM					UNFUNDED			
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS			
PUBLIC TRANSPORTATION PROJECTS																				
STATEWIDE	TQ-9039	5310 MOBILITY MANAGEMENT PROJECTS FOR RURAL AREAS		657	657	FEPD														
						L														
						S														
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TQ-6954	5310 OPERATING PROJECTS FOR RURAL AREAS		8670	4208	FEPD	O	2231												
						L	O	2231												
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TS-7000	DEVELOP AND IMPLEMENT AN ENHANCED STATE SAFETY OVERSIGHT PROGRAM		844	844	SSO														
STATEWIDE	HF																			
STATEWIDE	TS-4900Z	STATEWIDE TRAINING AND SUPPORT SERVICES RTAP (RURAL, SMALL-URBAN AND PARATRANSIT)		2285	1873	RTAP	AD	412												
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
STATEWIDE	TT-5205	NCDOT FERRY DIVISION WILL PURCHASE AND INSTALL VISUALS, PAGING SYSTEMS ON BOARD FIVE CLASS FERRY VESSELS		66	66	FNF														
						S														
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
SUB REGIONAL	TM-5301	STATE ADMINISTRATION - JOB ACCESS NON-URBAN		5592	4092	JARC	AD	500	AD	500	AD	500								
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
SUB REGIONAL	TN-5112	STATE ADMINISTRATION - NEW FREEDOM - 5317		4270	3184	FNF	AD	386	AD	350	AD	350								
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				
SUB REGIONAL	TV-4903	STATE ADMINISTRATION - ELDERLY AND DISABLED PERSONS (FEDERAL PROGRAM)		9749	5930	FEPD	AD	569	AD	650	AD	650	AD	650	AD	650				
STATEWIDE	HF																			
FUNDS AUTHORIZED IN PROGRESS																				

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ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH (Miles)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																														
						STATE TRANSPORTATION PROGRAM										DEVELOPMENTAL PROGRAM										UNFUNDED										
						FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS																			
PASSENGER RAIL PROJECTS																																				
VARIOUS	P-5602	STATEWIDE RAIL PRELIMINARY ENGINEERING		12001	2001	T	PE	300	DIV	PE	300	DIV	PE	300	DIV	PE	300	DIV	PE	300	PE	300	DIV	PE	300	DIV	PE	300	DIV	PE	300	DIV				
						T	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE	PE	300	RE			
						T	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW	PE	400	SW			
STATEWIDE						DIV	DIV	STATEWIDE RAIL PRELIMINARY ENGINEERING																												
						REG	REG	STATEWIDE RAIL PRELIMINARY ENGINEERING																												
						SW	SW	STATEWIDE RAIL PRELIMINARY ENGINEERING																												
VARIOUS	Y-5500	TRAFFIC SEPARATION STUDY IMPLEMENTATION AND CLOSURES.		31087	1087	RR	R	500		R	500		R	500		R	500		R	500	R	500		R	500		R	500		R	500					
						RR	C	2500		C	2500		C	2500		C	2500		C	2500		C	2500		C	2500		C	2500		C	2500				
STATEWIDE						IN PROGRESS																														
VARIOUS	Z-5400	HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS.		23316	23316																															
STATEWIDE						IN PROGRESS																														
VARIOUS	Z-9999	HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS - UNPROGRAMMED BALANCE.		17500		RR																														
						RR																														
STATEWIDE						IN PROGRESS																														
VARIOUS	Z-5700	HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS.		7404	404	RR	R	500		R	500																									
						RR	C	3000		C	3000																									
STATEWIDE						IN PROGRESS																														
VARIOUS	Z-5800	HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS.		10500		RR				R	500		R	500		R	500																			
						RR				C	3000		C	3000		C	3000																			
STATEWIDE						IN PROGRESS																														
NORTH CAROLINA RAILROAD	C-5571	NCDOT PIEDMONT AND CAROLINIAN PASSENGER RAIL SERVICES. PUBLIC OUTREACH AND AWARENESS PROGRAM.		2456	2456																															
STATEWIDE						IN PROGRESS																														

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Agenda Item

Agenda Item VII.

Division 9 Updates

Background

See attached documentation from Division 9

Action Requested

For your information only.

Northwest Piedmont RPO
Transportation Update
Tuesday, August 15, 2017

TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
Centrally Managed Projects Under Construction								
17BP.9.R.61 (C203681)	Replace (2) Bridges in Davidson, (1) in Davie, (3) Bridges in Rowan, and (4) Bridges in Stokes County.	May 19, 2015	June 30, 2019	Permitting and Design work in progress Anticipate construction to begin Fall, 2017	\$10,642,621	Smith-Rowe, LLC	Mezak Tucker, PE (336)249-6255	EXPRESS DESIGN BUILD - Anticipate construction to start Fall, 2017. Bridges in Davie and Stokes Counties include Br. #73 over Dutchman's Creek on SR 1324 (Ollie Harkey Rd) in Davie Co. ; Br. #86 over Snow Creek on SR 1691 (Stacy Rothrock Rd.), Br. #104 over the Dan River on SR 1695 (Dodgetown Rd.), Br. #129 over South Double Creek on SR 1484 (Dan George Rd.), and Br. #224 over Snow Creek on SR 1647 (Tom Shelton Rd.) in Stokes Co.
17BP.9.R.73 (C204004)	EXPRESS DESIGN BUILD - Replace (3) Bridges in Davidson Co and (2) Bridges in Davie Co	June 20, 2017	June 1, 2019	Availability date July 31, 2017	\$6,817,750	RE Burns & Sons, Inc	Kelly Seitz, PE (704)630-3220	EXPRESS DESIGN BUILD - Includes replacement of Bridge #31 on NC 8 over Lick Creek; Bridge #55 on NC 47 over Flat Swamp Creek; and Bridge #82 on NC 47 over Lick Creek in Davidson Co., and Bridge #50 on SR 1411 over Dutchman's Creek and Bridge #78 on SR 1338 over Hunting Creek in Davie Co.
I-0911A 34147.3.4	DESIGN BUILD - Grading (Widening), Drainage, Paving and ITS on I-40 from West of NC 801 in Davie Co. to SR 1101 (Harper Rd) in Forsyth Co. (2.614 miles)	July 18, 2017	No later than Nov. 15, 2021	Availability date Aug. 28, 2017	\$71,962,779	Flatiron Constructors, Inc/Blythe Development Co. JV	Jordan Scott, PE (336)747-7950	DESIGN BUILD - Project awarded to Flatiron Constructors, Inc / Blythe Development Co. Joint Venture. Project will widen approximately 3.3 miles of I-40 to a six-lane divided facility from west of NC 801 in Davie County to east of SR 1101 (Harper Road/Tanglewood Park Business Road) in Forsyth County. The project will replace dual bridges on I-40 over the Yadkin River and accommodate a future greenway by replacing the Bert's Way roadway bridge over I-40 with a pedestrian bridge.
Division Managed Projects Under Construction								
2017CPT.09.28.10301.1 2017CPT.09.29.20301.1 (D100167)	Milling, Resurfacing, Shoulder Reconstruction and Pavement Markings for 17.35 miles of 4 Sections of Primary routes and 10 sections of Secondary Routes in Davie Co.	May 24, 2017	June 29, 2018	Availability date June 26, 2017	\$3,127,002	APAC-Atlantic, Inc Thompson Arthur Div.	Lee Puckett, Jr., PE (336)747-7800	Contract awarded May 25, 2017. Date of availability June 26, 2017.
2017CPT.09.41.20852 (D100159)	Asphalt Surface Treatment (AST) on 33.2 miles of 47 Sections of Secondary Routes in Stokes Co.	March 8, 2017	Oct. 6, 2017	Availability date April 10, 2017	\$949,812	Whitehurst Paving Co., Inc.	Lee Puckett, Jr., PE (336)747-7800	Contractor has not yet begun work on this project.
2017CPT.09.31.20341 2017CPT.09.34.10851 2017CPT.35.20851 (D100162)	Milling, Resurfacing, Shoulder Reconstruction, and Pavement Markings on 1 Secondary Route in Forsyth and Various Primary and Secondary Routes in Stokes Co (total of 17.34 miles)	April 12, 2017	Oct. 20, 2017	19% Complete	\$2,586,583	Sharpe Brothers	Lee Puckett, Jr., PE (336)747-7800	Contractor began work on June 3, 2017
I-5765 53008.3.1 (C203929)	Pavement Rehabilitation on 5 miles of I-40 from 1.5 mi. E. of US 64 to 1.2 mi. E. of SR 1410 (Farmington Rd), in Davie County.	Feb. 21, 2017	Oct. 01, 2018 (permanent vegetation established by March 30, 2019)	50% Complete	\$29,690,680	APAC-Atlantic, Inc Thompson Arthur Div.	Lee Puckett, Jr., PE (336)747-7800	Traffic is expected to be returned to normal traffic pattern by midnight, Aug 15, 2017.
Centrally Managed Projects Under Development								
B-5766 45722.3.1	Replace Bridge #82 over the Dan River on SR 1674 (Sheppard Mill Rd.) in Stokes County	March 15, 2022	TBD	ROW Acquisition March 19, 2021	\$4,350,000	TBD	Matt Jones, PE (336)747-7800	*Schedule subject to Approved 2018-2027 STIP -Planning and Design in progress
B-5768 45724.3.1	Replace Bridge #38 over Cedar Creek on NC 801 in Davie County	Oct. 17, 2023	TBD	ROW Acquisition Oct. 21, 2012	\$865,000	TBD	Matt Jones, PE (336)747-7800	Schedule subject to APPROVED 2016-2025 STIP
U-6076 47519.3.1	Widen US 158 to three-lane section from SR 1630 (Baltimore Rd) in Davie Co. to SR 1103 (Lewisville Clemmons Rd) in Clemmons.	PY	TBD	ROW Acquisition FY 2026	\$30,102,000	TBD	Brett Abernathy, PE (336)747-7800	*Schedule subject to Approved 2018-2027 STIP

Northwest Piedmont RPO
Transportation Update
Tuesday, August 15, 2017

TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
Division Managed Projects Under Development								
I-5823 50466.3.1	Pavement Rehabilitation on I-40 from 1 mi. E. of SR 1143 (Davie Academy Rd) to 0.7 mi. E. of US 601 in Davie County.	Jan. 15, 2019	TBD	Planning and Design in progress	\$30,000,000	TBD	Brett Abernathy, PE (336)747-7800	DDRL - Schedule subject to Approved 2018-2027 STIP Coordinate with I-5765
I-5887 46372.3.1	US 52 / Future I-74 at SR 1102 (Trinity Ch. Rd) near King in Stokes County - Convert existing grade separation to a full movement interchange	Feb. 18, 2025	TBD	ROW Acquisition Feb. 17, 2023	\$5,980,000	TBD	Brett Abernathy, PE (336)747-7800	*Schedule subject to Approved 2018-2027 STIP
R-5728 50220.3.1	Intersection Improvements on US 601 at S. Salisbury St. in Mocksville in Davie County.	March 20, 2018	TBD	ROW Acquisition in progress	\$825,000	TBD	Brett Abernathy, PE (336)747-7800	DPOC - Schedule subject to Approved 2018-2027 STIP
R-5736 50194.3.1	Widen to Multi-lanes - US 601 from SR 1345 (Blaise Church Rd) to SR 1408 (Cana Rd) in Davie County.	June 15, 2021	TBD	ROW Acquisition June 19, 2020	\$12,320,000	TBD	Brett Abernathy, PE (336)747-7800	DDRL - Schedule subject to Approved 2018-2027 STIP
R-5768 44670.3.1	Upgrade intersection and improve railroad crossing at US 311 and NC 65 in Walnut Cove in Stokes Co.	Sept. 17, 2019	TBD	ROW Acquisition Sept. 21, 2018	\$3,300,000	TBD	Brett Abernathy, PE (336)747-7800	DPOC - Schedule subject to Approved 2018-2027 STIP Planning and Design in progress
R-5828 47100.3.1	Construct Roundabout at the intersection of US 311 (S. Main Street) and First Street in Walnut Cove in Stokes Co	FY 2020	TBD	ROW Acquisition FY 2019	\$650,000	TBD	Brett Abernathy, PE (336)747-7800	*Schedule subject to Approved 2018-2027 STIP
R-5854 47542.3.1	Construct Roundabouts on SR 1410 (Farmington Rd) at I-40 Eastbound Ramp and US 158 intersection	FY 2024	TBD	ROW Acquisition FY 2023	\$1,788,000	TBD	Brett Abernathy, PE (336)747-7800	*Schedule subject to Approved 2018-2027 STIP
R-5862A 47549.3.2	Widen US 64 to multilanes from US 601 South of Mocksville to Davidson Co Line	PY	TBD	PY	\$76,000,000	TBD	Brett Abernathy, PE (336)747-7800	*Schedule subject to Approved 2018-2027 STIP
U-6002 47137.3.1	Construct Roundabout at intersection of Yadkinville Road (NS) and Wilkesboro Street (NS) in Davie County	FY 2021	TBD	ROW Acquisition FY 2020	\$650,000	TBD	Brett Abernathy, PE (336)747-7800	*Schedule subject to Approved 2018-2027 STIP -Planning and Design in progress
17BP.9.C.3	Replace pipe #2061 on Unnamed Creek at SR 1316 (Dyson Rd.) in Davie County.	TBD	TBD	Planning and Design in progress	\$200,000	TBD	Matt Jones, PE (336)747-7800	Division Let - Due to funding and TIP Program changes, the let date is currently being reviewed.
17BP.9.C.4	Replace pipe #2085 on Branch of Cedar Creek at SR 1436 (Pinebrook School Rd.) in Davie County.	TBD	TBD	Planning and Design in progress	\$200,000	TBD	Matt Jones, PE (336)747-7800	Division Let - Due to funding and TIP Program changes, the let date is currently being reviewed.
17BP.9.C.6	Replace pipe #128 on Elk Creek at SR 1433 (Puckett Rd.) in Stokes County.	Feb. 28, 2018	TBD	Right of Way Acquisition to begin in Aug., 2017	\$200,000	TBD	Matt Jones, PE (336)747-7800	Division Let Planning and design is underway.
17BP.9.C.9	Replace pipe #107 on Lynn Branch at SR 1696 (Duggins Rd.) in Stokes County.	Feb. 28, 2018	TBD	Right of Way Acquisition to begin in Aug., 2017	\$200,000	TBD	Matt Jones, PE (336)747-7800	Division Let Planning and design is underway.
17BP.9.C.12	Replace pipe #290 on Danbury Creek at SR 1128 (Brown Rd) in Stokes County	Feb. 26, 2020	TBD	Right of Way Acquisition to begin in Aug., 2017	\$450,000	TBD	Matt Jones, PE (336)747-7801	Division Let
17BP.9.R.41	Replace Bridge #176 over Lick Creek on SR 1926 (Fagg Rd) in Stokes County.	March 14, 2018	TBD	Planning and Design in progress	\$623,000	TBD	Matt Jones, PE (336)747-7800	Division Let Planning and design is underway.
17BP.9.R.72	Replace Bridge #8 over Dan River on NC 704 in Stokes County.	Feb. 27, 2019	TBD	Planning and Design in progress	\$1,750,000	TBD	Matt Jones, PE (336)747-7800	Division Let Planning and design is underway.
17BP.9.R.83	Replace Bridge #286 over Little Yadkin River on SR 1236 (Old US 52) in Stokes County	Dec. 9. 2020	TBD		\$1,400,000	TBD	Matt Jones, PE (336)747-7800	Division Let

Northwest Piedmont RPO
Transportation Update
Tuesday, August 15, 2017

TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
Division Managed Projects Under Development								
17BP.9.R.90 (Old B-5509)	Replace Bridge #62 over Neatman Creek on SR 1961 (Payne Rd.) in Stokes County	Jan. 24, 2018	TBD	ROW FY 2018	\$2,025,000	TBD	Matt Jones, PE (336)747-7800	*Schedule subject to Approved 2018-2017 STIP - With changes to the TIP this project will now be Division Managed and funded by the Division Managed Bridge Program. This project is slated to be accelerated.
17BP.9.R.94	Replace Bridge #65 over Bear Creek on SR 1313 (Calahan Rd) in Davie County	Feb. 9, 2022	TBD		\$725,000	TBD	Matt Jones, PE (336)747-7800	Division Let
17BP.9.R.98	Replace Bridge #15 over Vade Mecum Creek on NC 66 in Stokes County	Sept. 22, 2021	TBD		\$825,000	TBD	Matt Jones, PE (336)747-7800	Division Let
17BP.9.R.100 (Old B-4819)	Replace Bridge #105 over Snow Creek on SR 1697 (Pitzer Rd.) in Stokes County	Sept. 25, 2019	TBD	ROW TBD	\$1,700,000	TBD	Matt Jones, PE (336)747-7800	*Schedule subject to Approved 2018-2017 STIP -With changes to the TIP this project will now be Division Managed and funded by the Division Managed Bridge Program. This project is slated to be accelerated.
17BP.9.R.104 (Old B-5784)	Replace Bridge #125 over North Double Creek on SR 1484 (Dan George Rd) in Stokes County.	Feb. 28, 2019	TBD	ROW Acquisition to begin in August, 2017	\$1,085,000	TBD	Matt Jones, PE (336)747-7800	*Schedule subject to Approved 2017-2028 STIP.
Completed Projects								
17BP.9.R.25	Replace Bridge #83 over Sugar Creek on SR 1436 (Pinebrook School Rd) in Davie Co.	April 27, 2016	Sept. 19, 2016 <i>(perm. vegetation established Mar. 31, 2017)</i>	100% Complete	\$437,152	Smith-Rowe, LLC	Dale Swicegood, PE (336)249-6255	Work is complete.
17BP.9.R.27	Replace Bridge #11 over East Prong of Yadkin River on SR 1166 (YMCA Camp Rd) in Stokes County.	June 8, 2016	Dec. 19, 2016 <i>(permanent vegetation established by June 23, 2017)</i>	100% Complete	\$699,708	Smith-Rowe, LLC	Jeremy Guy, PE (336)747-7950	Work is complete
17BP.9.R.34	Replace (4) bridges in Davidson County, (1) in Forsyth County, (3) in Rowan County, and (1) in Stokes County	April, 2012	October 28, 2016	100% Complete	\$12,585,775	Crowder Construction Co.	Jeremy Guy, PE (336)747-7950	Design Build Project - All work is complete on this project.
2017CPT.09.38.20302 (D100156)	Asphalt Surface Treatment (AST) on 20.5 miles of 22 Sections of Secondary Routes in Davie Co.	March 8, 2017	June 6, 2017	100% complete	\$487,203	Blythe Construction, Inc	Lee Puckett, Jr., PE (336)747-7800	Contract complete as of June 6, 2017
W-5601CI 50138.3.88 (D100146)	Thermoplastic Pavement Markings on Various Routes in Davidson, Davie and Rowan Counties	Sept. 28, 2016	June 11, 2017	100% Complete	\$377,909	TMI Services, Inc.	Lee Puckett, Jr., PE (336)747-7800	Work was completed and accepted on June 11, 2017.

Agenda Item X.

RPO Updates

Background

CPTED Training

The Piedmont Triad Regional Council in partnership with APA-NC Section 3, the North Carolina Crime Prevention Association and the National Institute of Crime Prevention are hosting a training in November in Kernersville. This is an exciting opportunity to participate in a nationally recognized training program designed for planners, law enforcement, architects, city officials and other professionals

Mocksville Circulator Public Awareness Meeting Event

Thursday, August 31, 2017: 4:00 pm – 6:00 Davie County Public Library 371 N. Main St. Mocksville, NC 27028.

Please feel free to share this information with EVERYONE (businesses, communities, City and County Officials, and public service agencies)!!!! We want to inform, educate, and allow anyone who has questions to have the opportunity to get answers. This is a wonderful service that will be open to all the citizens and we want to make sure that they all know. So please help me SPREAD THE WORD!!!
Stokes County Circular Route Meeting

Action Requested

For your information only.

CPTED

CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN

November 13-17, 2017 • Kenersville, NC

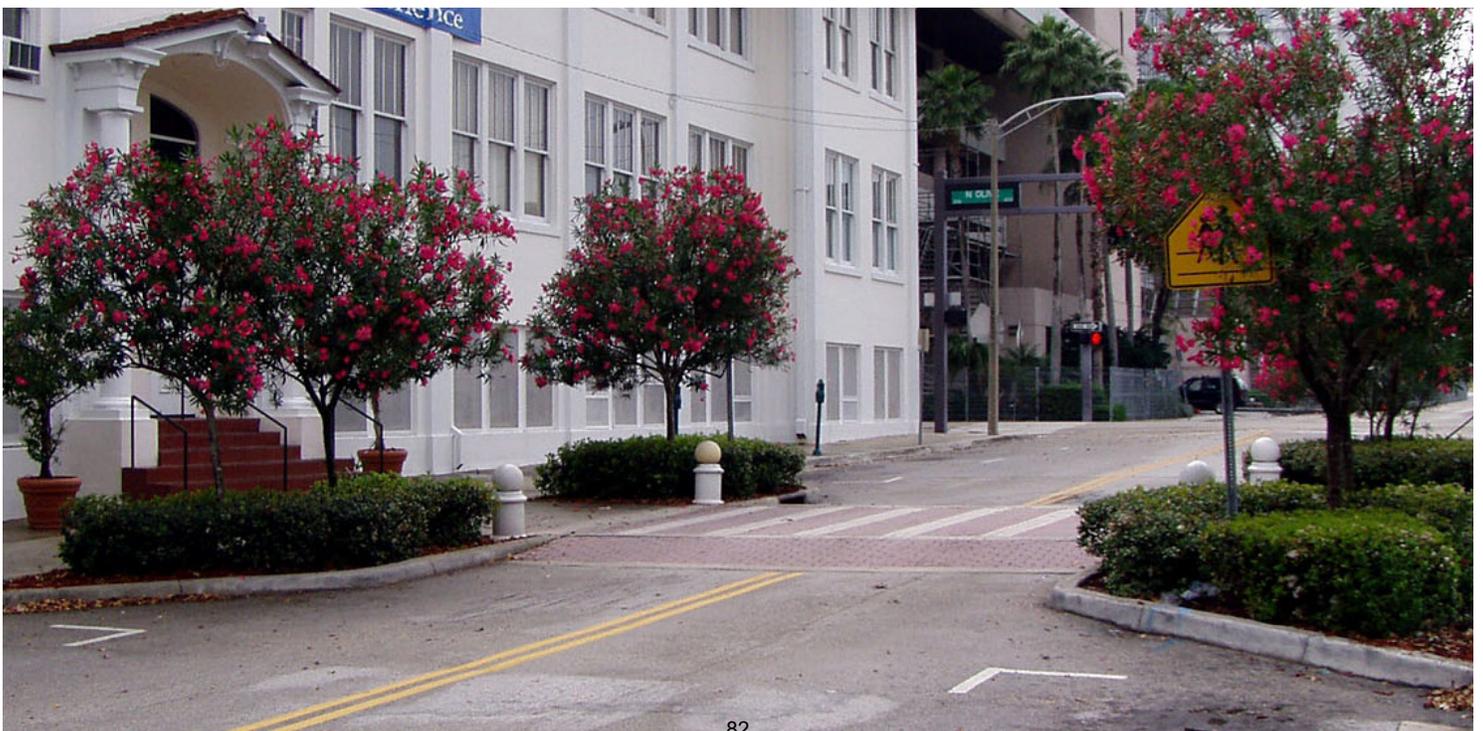
Cities and Counties throughout the country are adopting CPTED ordinances requiring site plan reviews with crime prevention in mind. Law enforcement officers who are specially trained in CPTED are now working closely with Planners, Architects, City Officials, and Educators to ensure the proper design of structures, schools, and neighborhoods. During this workshop, participants will learn:

- How the design and use of the environment can control human / criminal behavior and reduce the fear of crime;
- How natural access control and natural

surveillance decrease the opportunity for crime;

- How different aspects of lighting impact human behavior and other design strategies.
- Participants will work together on a site survey and provide a group presentation of their results using CPTED strategies. They will learn the advantages of having a CPTED ordinance and how to construct and present one to lawmakers.

More information about CPTED can be found at: <http://www.cptedtraining.net>





- Large windows promote casual supervision of sidewalk.
- Porches and sidewalk encourage interaction between neighbors.
- Paving and architectural treatments define public and private zones.
- Good pedestrian-scaled lighting on street.
- Low landscaping and fences define property lines without creating hiding places.

Graphic: IFPO

BASIC CPTED TRAINING

24 HRS.

- Introduction to CPTED
- CPTED Strategies and Concepts
- Human Behavior and CPTED
- Barriers – Real vs. Symbolic/Fencing, Landscaping, & Interior Walls
- Lighting For Safety
- Planning, Zoning, and CPTED
- Writing a CPTED Ordinance/Overlay Districts
- Neighborhood Review – Applying CPTED Strategies (practical exercise)
- CPTED Report Writing
- Understanding Site Plans
- Group Site Plan Reviews (practical exercise)

40 HRS.

- Introduction to CPTED
- CPTED Strategies and Concepts
- Human Behavior and CPTED
- Barriers – Real vs. Symbolic/Fencing, Landscaping, & Interior Walls
- Lighting For Safety
- Planning, Zoning, and CPTED
- Writing a CPTED Ordinance/Overlay Districts
- Neighborhood Review – Applying CPTED Strategies (practical exercise)
- CPTED Report Writing
- Understanding Site Plans
- Group Site Plan Reviews (practical exercise)
- Traffic Calming and CPTED
- CPTED Around the Globe
- CPTED Field Assessments (field exercise)
- CPTED Field Assessment Group Presentations (practical exercise)
- Graded Exam

WHO SHOULD ATTEND?

- Law Enforcement Officers
- Crime Prevention Personnel
- School Resource Officers
- Community Service Officers
- Security Consultants
- City Planners
- Urban Planners
- Park Planners
- Architects
- Landscape Architects
- Engineers
- Public Health Personnel
- City Administrators
- Educators
- Neighborhood Redevelopment
- Economic Redevelopment
- Homeland Security
- Code Enforcement
- Traffic Engineers
- Public Art Personnel
- Lighting & Utility Personnel
- Crime Free Personnel
- Non Profit Organizations

INSTRUCTOR ART HUSHEN

Art Hushen, the President of the NICP, Inc. Art was assigned to the Tampa Police Department's Special Operations Bureau / CPTED Section where he retired from in 2006. He was instrumental in the creation of the Department's CPTED Unit and Tampa's first CPTED Ordinance for the Westshore Business District, which is the largest Business District in Florida. He implemented the CPTED review process for the Tampa Parks Department Greenways and Trails Master Plan, which include over 80 miles of trails. He worked with the Tampa Housing Authority on their Hope VI program and was part of the task force implementing the design guidelines. He recently completed the CPTED review process for the West Tampa Overlay District and the Tampa Lighting Initiative. Art also completed the City of Tampa's Downtown Security Guideline requirements under the Mayor of Tampa's Downtown Initiative

Art received his Crime Prevention Practitioner Certification and CPTED Designation through the Florida Crime Prevention Training Institute where he assisted in the creation of the Advanced CPTED program and the State standards for the CPTED Designation. He is an instructor for the Florida Attorney General's Office and the American Crime Prevention Institute specializing in Basic and Advanced CPTED and CPTED in Schools. Art is recognized as a Crime Prevention Specialist through the International Society of Crime Prevention Practitioners and is a graduate of the National Crime Prevention Institute, Fox Valley College, and the American Crime Prevention Institute in both Basic and Advanced CPTED. Art holds a Bachelor of Arts degree in Criminology from the University of South Florida.

Art is the past Chairman of the Florida Design Out Crime Association (FLDOCA), Board Member of the International Society of Crime Prevention Practitioners (ISCPP), Past Board Member of the International CPTED Association (ICA) and is a member of ASIS International and serves on the ASIS Physical Security Council. Art has conducted seminars and training through the United States and has been a guest speaker / trainer in Canada, South America, the Caribbean, the United Kingdom, and Europe.

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ACCOMMODATIONS

- Holiday Inn Express, 1570 NC-66, Kernersville, (336) 564-3333 (Group rate will be available)
- We are conveniently located off of I-40 in Kernersville, NC between Greensboro, Winston-Salem and High Point, all of which offer a variety of hotel and dining options.

REGISTRATION

Name: _____

Organization: _____

Mailing Address: _____

City/State/Zip Code: _____

Email: _____

Phone: _____

3 DAY BASIC CEPTED TRAINING

NOVEMBER 13-15, 2017

- \$350 General Registration Rate
 - \$315 NC Crime Prevention Association Member Rate
 - \$315 NC APA Member Rate
 - \$315 Piedmont Triad Regional Council Member Government Rate
-

5 DAY BASIC CEPTED TRAINING WITH FIELD ASSESSMENT & EXAM

NOVEMBER 13-17, 2017

- \$550 General Registration Rate
- \$495 NC Crime Prevention Association Member Rate
- \$495 NC APA Member Rate
- \$495 Piedmont Triad Regional Council Member Government Rate

Both courses eligible for 24 AICP CM Credits.

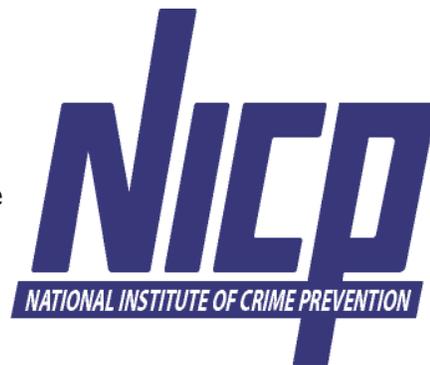
Please mail completed registration form and check payable to Piedmont Triad Regional Council to:

PTRC Accounts Receivable
1398 Carrollton Crossing Drive
Kernersville, NC 27284

For more information, please contact:

Elizabeth Jernigan
Assistant Planning Director
1398 Carrollton Crossing Drive
Kernersville, NC 27284

ejernigan@ptrc.org • www.ptrc.org • 336.904.0300



PIEDMONT TRIAD
REGIONAL COUNCIL