



Technical Coordinating Committee (TCC) Meeting

Tuesday, June 20, 2017 • 12:00 p.m.

Boonville

110 Carolina Ave, Boonville, NC 27011

AGENDA

Welcome and Ethics Statement

Andrew Meadwell

Action Items

- I. TCC Minutes – April 18th, 2017 Andrew Meadwell
- II. 2016 Budget Amendment Andrew Meadwell

Discussion Items

- III. CommunityViz Update Kyle Laird
- IV. P5.0 Workgroup Recommendations Elizabeth Jernigan
- V. P5.0 Preliminary Project List Elizabeth Jernigan
- VI. Legislative Update 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, June 20, 2017, Town of Boonville



Agenda Item

Agenda Item I.

TCC Minutes – April 18th, 2017

Background

See attached minutes from TCC Minutes – April 18th, 2017

Action Requested

Consideration of the minutes.



Technical Coordinating Committee (TCC) Meeting

Tuesday, April 18th, 2017 • 12:00 p.m.

YVEDDI

533 N Carolina Ave, Boonville, NC 27011

MINUTES

Attendance

Lisa Hughes, Yadkin County	Kyle Laird, PART
David Sudderth, Stokes County	James Upchurch, NCDOT TPB
Sarah Harris, Boonville	Diane Hampton, NCDOT Div 9
Will Linville, Yadkinville & Mt. Airy	Dean Ledbetter, NCDOT Div 11
Ramie Shaw, NCDOT Div 11	Jeff Cockerham, YVEDDI
Elizabeth Jernigan, PTRC	

Welcome and Ethics Statement

Andrew Meadwell was unable to attend the meeting. Sarah Harris opened the meeting and read the ethics statement. There were no conflicts of interest.

Action Items

I. *TCC Minutes – December 20th, 2016*

Sarah Harris 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. David Sudderth seconded the motion. All were in favor.

II. *2017-2018 Budget Allocation and Dues*

NCDOT allocated an additional 15% in Rural Transportation Planning Funds for the Northwest Piedmont RPO for FY 2018. Elizabeth stated these funds will help the RPO better meet the needs of our members. These funds do require a 20% match which is reflected in the proposed dues structure. Lisa Hughes made a motion to recommend TAC approval of the 2017-2018 Budget Allocation and Dues and James Upchurch seconded the motion. All were in favor.

III. *2017-2018 PWP*

Elizabeth reviewed the Planning Work Program (PWP) which defines the planning work products and activities to be carried out by the RPO in FY 2017-2018. The RPO Administrative Documents Subcommittee is working with NCDOT to simplify the PWP format and reporting requirements. David

Sudderth made a motion to recommend approval of the 2017-2018 PWP and Lisa Hughes seconded the motion. All were in favor.

IV. 2017-2018 5-year Calendar

Elizabeth reviewed the 5-year calendar which outlines major responsibilities and NCDOT deadlines over the next five years. James Upchurch made a motion to recommend TAC approval of the 2017-2018 5-Year Calendar and David Sudderth approved it. All were in favor.

V. *Stokes County CTP Resolution of Adoption*

Elizabeth provided an overview of the Stokes County Comprehensive Transportation Plan (CTP) and indicated that NCDOT and RPO staff were in the process of presenting to the County and municipalities. The plan was presented to Stokes County on April 10th with anticipated adoption on April 24th. Walnut Cove adopted the plan on April 11th and it is anticipated that Danbury will adopt the plan on May 3rd. Feedback has been positive. David Sudderth made a motion to recommend TAC adoption and Lisa Hughes seconded the motion. All were in favor.

Discussion Items

VI. *TAC Appointments & Updates*

Elizabeth provided an overview of current TAC officials and emphasized the increase in TAC representation in response to increased outreach efforts. Current representatives are as follows:

- Commissioner Steve Yokeley, TAC Chair, City of Mount Airy
- Commissioner James Armbrister (Alternate) City of Mount Airy
- Commissioner Wayne Moore, TAC Vice-Chair, Town of Jonesville
- Commissioner Sharon Conaway, Town of Walnut Cove
- Commissioner Kevin Austin, Yadkin County
- Commissioner Larry Phillips, Surry County
- Commissioner Van Tucker (Alternate), Surry County
- Commissioner Ernest Lankford, Stokes County
- Commissioner George Burns, Town of East Bend
- Commissioner Brent Ward, Town of Mocksville
- Commissioner Terry Renegar, Davie County
- Commissioner Robin Testerman, Town of Dobson
- Commissioner Steve Shelton, Town of Danbury
- Commissioner Bonnie Lasky, Town of Boonville
- Mayor Pro Tem Monta Davis-Oliver, Town of Yadkinville
- Commissioner Tommy Wheeler, Town of Elkin
- TBD, Board of Transportation

VII. *Legislative Update*

Elizabeth provided a brief overview of legislation which may impact the RPO. Specifically, she discussed SB381 RTPO/Establish Attendance Policy, an act to require rural transportation planning

organizations to development and implement attendance policies and outlined the pros and cons of the legislation.

VIII. *P5.0 Update*

Elizabeth provided an updated on P5.0 including an increase in the number of project submittals from previous rounds (21), a longer submission window to better predict how projects would score, and changes to the multi-modal category, allowing for 2% funding to be distributed at the regional/division level.

Informational Items

IX. Division 9 Updates

Diane Hampton provided an update for Division 9

X. Division 11 Updates

Dean Ledbetter provided an update for Division 11.

XI. TPB Update

James Upchurch provided an update on CTP 2.0 as well as other TPB updates

RPO Updates

Elizabeth Jernigan requested letters of support for P4.0 Local Match for Non-Highway, presented a list of minor revisions to the 2016-2025 STIP and briefly highlighted the updated Categorical Exclusion Agreement between NCDOT and FHWA.

New Business

TCC Members

Adjournment

Sarah Harris

Next Meeting: Tuesday, June 20, 2017, Boonville

Sarah Harris, Vice-Chair
Transportation Coordinating Committee

Elizabeth Jernigan, Secretary
Northwest Piedmont Rural Planning Organization

Agenda Item II.

2016-2017 Budget Amendment

Background

- \$23,000 was 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 was 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.
- \$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.

*There is no additional funding being requested from NCDOT or member governments. This amendment covers shifting of funds between funding categories.

Action Requested

Recommend amending 2016-2017 PWP funding amounts.

**FY 2016-2017
PLANNING WORK PROGRAM
ANNUAL PROPOSED FUNDING SOURCES TABLE
Northwest Piedmont Rural Planning Organization**

TASK CODE	TASK CODE/ WORK PRODUCT DESCRIPTION	WORK PRODUCT FORMAT	GEOGRAPHY	PRIMARY PROJECT # (IF APPLICABLE) FY_2015	RPO PROGRAM FUNDS		
					HIGHWAY/TRANSIT		TOTAL
					LOCAL 20%	STATE 80%	
I. DATA COLLECTION AND ASSESSMENT							
I-1	DATA COLLECTION AND ASSESSMENT				\$ 6,000	\$ 24,000	\$ 30,000
I-1.1	CTP Inventory and Assessment						
	Inventory of CTPs, land use plans, & transportation plans	Spreadsheet	NWRPO	1617-01			
I-1.2	Bicycle and Pedestrian Inventory and Assessment						
	General bicycle & pedestrian planning activities	Meeting Participation	NWRPO	1617-02			
	Bicycle/pedestrian safety & education activities	Summary/Assessment	NWRPO	1617-02			
	Bicycle/pedestrian facility/route mapping	Mapping	NWRPO	1617-02			
I-1.3	Parking Inventories						
	Downtown Streetscape Assessment	Mapping	NWRPO	1415-10			
I-1.4	Vehicle Occupancy Rates (VOR) Counts and Assessment						
I-1.5	Traffic Volume Counts and Assessment						
	Mapping or assessment of traffic count data	Summary/Assessment	NWRPO	1617-03			
I-1.6	Crash Data and Assessment						
	Mapping or assessment of crash data	Summary/Assessment	NWRPO	1617-03			
I-1.7	Public Transportation Service Data and Assessment						
	Attend Rural Transportation Agency Meetings	Meeting Participation	NWRPO	1617-05			
	Mocksville Circular Route	Meeting Participation	Mocksville	1617-05			
	Locally Coordinated Plans	Report	NWRPO	1617-05			
	Compile Census Data for LCP	GIS Data	NWRPO	1617-05			
I-1.8	Multimodal Data Collection and Assessment						
	Provide summary for transportation providers and local govt	Summary/Assessment	NWRPO	1617-05			
I-1.9	Freight Data Collection and Assessment						
	NC Statewide Multimodal Freight Plan Participation	Meeting Participation	Statewide	1617-05			
I-1.10	Socioeconomic Data Inventory						
	Update Human Transportation LCP	Report	NWRPO	1617-05			
I-1.11	Environmental and Land use Data Inventory and Assessment						
	Comprehensive Safety Planning	GIS Data	NWRPO	1617-06			
I-1.12	Demographic Data Collection and Assessment						
	Mapping of E.J. Title VI, and other demographic information	GIS Data	NWRPO	1516-14			
	Hosted NCARPO Data/Census Training	Meeting Participation	NWRPO	1516-14			
II. TRANSPORTATION PLANNING							
II-1	COMPREHENSIVE TRANSPORTATION PLAN (CTP) DEVELOPMENT				\$ 3,000	\$ 12,000	\$ 15,000
II-1.1	Develop CTP Vision						
II-1.1.a	CTP Study Setup						
	Davie County Community Understanding Report	Report	Davie County	1617-07			
	Surry County Community Understanding Report	Report	Surry County	1617-07			
II-1.1.b	Local CTP Vision						
II-1.2	Conduct CTP Needs Assessment						
II-1.2.a	Data Collection and Assessment						
	Stokes County CTP	Spreadsheet	Stokes County	1516-01			
II-1.2.b	Current and Future Year Data Endorsements						
II-1.2.c	Deficiency Assessment						
II-1.3	Analyze Alternatives and Environmental Screening						
II-1.3.a	Alternatives Assessment						
	Stokes County CTP	Spreadsheet	NWRPO	1516-01			
II-1.3.b	Local Alternative Consensus						
	Stokes County CTP	Meeting Participation	Stokes County	1516-01			
II-1.4	Develop Final Plan						
II-1.4.a	Develop CTP Maps						
	Stokes County CTP	Administrative	Stokes County	1516-01			
	Public Workshop	Meeting Participation	Stokes County	1516-01			
II-1.4.b	Local Endorsement						
	Stokes County CTP	Meeting Participation	Stokes County	1516-01			
II-1.4.c	Adopt Plan						
	Stokes County CTP	Meeting Participation	Stokes County	1516-01			
II-1.4.d	CTP Document						
	Development of Stokes County CTP Document	Report	Stokes County	1516-01			
II-1.4.e	CTP and Local Land Use Revisions						
	Stokes County CTP and Local Land Use Revisions	Other	Stokes County	1516-01			
II-1.4.f	Development of Local Implementation Strategies						
	Stokes County CTP	Meeting Participation	Stokes County	1516-01			
II-2	PRIORITIZATION AND PROGRAM DEVELOPMENT				\$ 2,400	\$ 9,600	\$ 12,000
II-2.1	Local Project Prioritization						
II-2.1.a	Local Project Prioritization						
	Local input point scoring for Prioritization 4.0	Summary/Assessment	NWRPO	1617-04			
	Documentation of Prioritization 4.0 Results	Summary/Assessment	NWRPO	1617-04			
II-2.1.b	Project Entry and SPOT Prioritization Process						
	Spot 4.0 Project Entry	Database	NWRPO	1617-04			
	Spot 5.0 Education	Meeting Participation	NWRPO	1617-04			
	SPOT 5.0 Pre-Submittal Coordination	Meeting Participation	NWRPO	1617-04			
	SPOT 5.0 Workgroup Participation	Meeting Participation	NWRPO	1617-04			
II-2.2	STIP Participation						
II-2.2.a	STIP Participation						
	Convene local meetings on STIP Results	Meeting Participation	NWRPO	1617-04			
	Provide feedback on draft STIP at hearings	Meeting Participation	NWRPO	1617-04			
II-3	PROJECT DEVELOPMENT				\$ 725	\$ 2,900	\$ 3,625
II-3.1	Problem Statement and Purpose and Need						
II-3.1.a	Purpose and Need Data						
	Compile/review data on project scoping/purpose & need	Summary/Assessment	NWRPO	1617-04			
II-3.1.b	Public Involvement Strategies						
	Attend and assist with public workshops	Meeting Participation	NWRPO	1617-04			
II-3.2	Merger Process						
II-3.2.a	Meeting Attendance						
	Attend Merger Meetings (As Needed)	Meeting Participation	NWRPO	1617-01			
II-3.2.b	Review and Comment						
	Review & comment on project-related documents	Summary/Assessment	NWRPO	1617-01			
II-3.3	Indirect and Cumulative Effects						
II-3.3.a	ICE Assessment of Probable Growth						
II-3.3.a	ICE Assessment of Probable Growth						

**FY 2016-2017
PLANNING WORK PROGRAM
AMENDMENT TABLE
NWRPO Rural Planning Organization**

4th Quarter Amendment Table		
30-May-17		
3rd Quarter Budgeted Amount	Net Change	New 4th Quarter Budgeted Amount
I. DATA COLLECTION AND ASSESSMENT		
\$ 30,000	\$ (23,000)	\$ 7,000
MONEY WAS TRANSFERRED FROM SUBCATEGORY I-1 AND APPLIED TO SUBCATEGORY II-2 BECAUSE PARTICIPATION ON P5.0 WORKGROUP WAS NOT CONFIRMED UNTIL AFTER PWP WAS APPROVED. TIME SPENT ON WORKGROUP WAS PRIORITY OVER DATA COLLECTION NEEDS. ADD/DELETED LINE ITEM OR MORE MONEY NEEDED / LINE ITEM.		
CHANGES TO FUNDING FOR SUB-CATEGORIES EXCEEDING \$2,500 WILL REQUIRE AN AMENDMENT. PROVIDE EXPLANATION FOR \$ TRANSFERRED.		
II. TRANSPORTATION PLANNING		
\$ 15,000	\$ (10,250)	\$ 4,750
MONEY WAS TRANSFERRED FROM SUBCATEGORY II-1 AND APPLIED TO SUBCATEGORY III-1 BECAUSE ANTICIPATED CTPS WERE NOT STARTED IN FY17 AND EFFORTS WERE FOCUSED ON IMPROVE COMMUNICATION WITH TCC/TAC AND COMMUNITY MEMBERS.		
CHANGES TO FUNDING FOR SUB-CATEGORIES EXCEEDING \$2,500 WILL REQUIRE AN AMENDMENT. PROVIDE EXPLANATION FOR \$ TRANSFERRED.		
\$ 12,000	\$ 23,000	\$ 35,000
MONEY WAS TRANSFERRED FROM SUBCATEGORY I-1 AND APPLIED TO SUBCATEGORY II-2 BECAUSE PARTICIPATION ON P5.0 WORKGROUP WAS NOT CONFIRMED UNTIL AFTER PWP WAS APPROVED. TIME SPENT ON WORKGROUP WAS PRIORITY OVER DATA COLLECTION NEEDS.		
CHANGES TO FUNDING FOR SUB-CATEGORIES EXCEEDING \$2,500 WILL REQUIRE AN AMENDMENT. PROVIDE EXPLANATION FOR \$ TRANSFERRED.		
\$ 3,625	\$ (3,000)	\$ 625
MONEY WAS TRANSFERRED FROM SUBCATEGORY II-3 AND APPLIED TO SUBCATEGORY II-4 BECAUSE THERE WERE VERY FEW PROJECTS UNDER PROJECT DEVELOPMENT AND MORE TIME IS NEEDED IN GENERAL TRANSPORTATION PLANNING TO RESPOND TO MEMBER NEEDS.		
CHANGES TO FUNDING FOR SUB-CATEGORIES EXCEEDING \$2,500 WILL REQUIRE AN AMENDMENT. PROVIDE EXPLANATION FOR \$ TRANSFERRED.		

TASK	TASK CODE/	WORK	PRIMARY	RPO PROGRAM FUNDS		
				HIGHWAY/TRANSIT		
II-4	GENERAL TRANSPORTATION PLANNING			\$ 6,000	\$ 24,000	\$ 30,000
II-4.1	General Transportation Planning Tasks					
II-4.1.a	Regional or Statewide Planning					
	Attend RPO quarterly meetings	Meeting Participation	Statewide	1617-01		
	Attend Rural Transportation Planning Conference	Meeting Participation	National	1617-01		
	Attend NCAMPO/RPO conference	Other	Statewide	1617-01		
	Attend NCAMPO Quarterly meetings	Meeting Participation	Statewide	1617-01		
	Attend Winston-Salem MPO meetings	Meeting Participation	NWPRPO	1617-01		
	Participation on Piedmont Transportation Professionals (PTP) Workgroup	Meeting Participation	NWPRPO	1617-01		
	Support local planning efforts	Meeting Participation	NWPRPO	1617-01		
	Other conference attendance	Meeting Participation	Statewide	1617-01		
II-4.1.b	Special Studies and Projects					
	Stokes County Greenway Corridor Study	Meeting Participation	Stokes County	1415-11		
	Stokes County Greenway Corridor Study	Report	Stokes County	1415-11		
	Plug-In electric vehicle planning and implementation	Mapping	NWPRPO	1617-03		
	Downtown Streetscape Assessment	Report	NWPRPO	1415-10		
	Improving Mobility for the Elderly & Disabled	Other	Forsyth County/WSMPO	1516-13		
II-4.1.c	CMAQ Planning					
	CFAT Initiative	Meeting Participation	NWPRPO	1415-07		
II-4.1.d	Air Quality Assessment					
	CFAT Initiative	Report	NWPRPO	1415-07		
II-4.1.e	Alternative Funding					
	Grant support for transportation projects	Report	NWPRPO	1617-09		
II-4.1.f	Training and Certification					
	SOG Planning Courses	Meeting Participation	NWPRPO	1617-01		
	Pedestrian Crossing Assessments Workshop	Meeting Participation	NWPRPO	1617-01		
	NCDOT Legacy Leadership Training	Meeting Participation	NWPRPO	1617-01		
	AICP Certification	Other	NWPRPO	1617-01		
II-4.2	Title VI					
II-4.2.a	RPO Affirmation of Title VI Compliance					
II-4.2.b	Transportation Initiatives and ADA Compliance					
	Compile Inventory of ADA Compliance plans for members	Report	NWPRPO	1617-01		
II-4.2.c	Environmental Justice Assessment					
	Environmental Justice Scan Update	Report	NWPRPO	1516-09		
II-4.2.d	Limited English Proficiency (LEP) Assessment					
	Incorporate LEP into Environmental Justice Scan Update	Report	NWPRPO	1516-09		
III. ADMINISTRATION OF TRANSPORTATION PLANNING AND POLICIES						
III-1	ADMINISTRATIVE DOCUMENTS AND PUBLIC INVOLVEMENT				\$ 5,000	\$ 20,000
III-1.1	Administrative					
III-1.1.a	Planning Work Program					
	Update PWP and track progress	Administrative	NWPRPO	1617-01		
III-1.1.b	5-Year Planning Calendar					
	Update 5-year calendar	Administrative	NWPRPO	1617-01		
III-1.1.c	Quarterly Invoice and Progress Reports					
	Compile invoices and progress reports	Administrative	NWPRPO	1617-01		
III-1.1.d	TCC/TAC Work Facilitation					
	Convene and conduct TCC/TAC meetings and tasks	Administrative	NWPRPO	1617-01		
III-1.1.e	Regulatory Documents					
	Update of MOUs, Public Participation Plan and Bylaws.	Administrative	NWPRPO	1617-01		
III-1.1.f	Miscellaneous Expenses					
	NCDOT and Member Requests	Administrative	NWPRPO	1617-01		
	GIS Maintenance and License	Other	NWPRPO	1617-01		
	TAC Ethics Requirements	Administrative	NWPRPO	1617-01		
	Transportation Overview for Elected Officials	Meeting Participation	NWPRPO	1617-01		
	Participation on NCARPO Administrative Documents Subcommittee	Meeting Participation	NWPRPO	1617-01		
	Committee Meetings	Meeting Participation	Statewide	1617-01		
III-1.2	Public Involvement					
III-1.2.a	Public Involvement Plan (PIP)					
	Revise Public Involvement Plan (PIP) as needed	Administrative	NWPRPO	1617-01		
III-1.2.b	Documentation of Public Input					
	Update of RPO website; Publish newsletter and advertise meetings	Administrative	NWPRPO	1617-01		
TOTAL					\$ 23,125	\$ 92,500

4th Quarter Amendment Table		
30-May-17		
\$ 30,000	\$ 3,000	\$ 33,000
MONEY WAS TRANSFERRED FROM SUBCATEGORY II-3 AND APPLIED TO SUBCATEGORY II-4 BECAUSE THERE WERE VERY FEW PROJECTS UNDER PROJECT DEVELOPMENT AND MORE TIME IS NEEDED IN GENERAL TRANSPORTATION PLANNING TO RESPOND TO MEMBER NEEDS.		
CHANGES TO FUNDING FOR SUB-CATEGORIES EXCEEDING \$2,500 WILL REQUIRE AN AMENDMENT. PROVIDE EXPLANATION FOR \$ TRANSFERRED.		
III. ADMIN OF PLANNING & POLICIES		
\$ 25,000	\$ 10,250	\$ 35,250
MONEY WAS TRANSFERRED FROM SUBCATEGORY II-1 AND APPLIED TO SUBCATEGORY III-1 BECAUSE ANTICIPATED CTPS WERE NOT STARTED IN FY17 AND EFFORTS WERE FOCUSED ON IMPROVE COMMUNICATION WITH TCC/TAC		
CHANGES TO FUNDING FOR SUB-CATEGORIES EXCEEDING \$2,500 WILL REQUIRE AN AMENDMENT. PROVIDE EXPLANATION FOR \$ TRANSFERRED.		
\$ 115,625	\$ -	\$ 115,625
\$ 92,500	\$ -	\$ 92,500
\$ 23,125	\$ -	\$ 23,125

Approved by the TAC on 6/21/2017

Approved by the TAC on

_____ Date
 _____ Wayne Davis, TAC Vice-Chair
 _____ Elizabeth Jernigan, RPO Secretary

Agenda Item

Agenda Item III.

CommunityViz

Background

Focus group meetings for the CommunityViz Guidebook discussed shared-interests important for building the Piedmont Triad CommunityViz Model: data needs, model architecture, and calibration activities impacting urban areas; data needs model architecture, and calibration activities impacting rural areas; and data outputs, validation activities, and long-term needs for maintaining and hosting a CommunityViz model impacting metropolitan planning organizations.

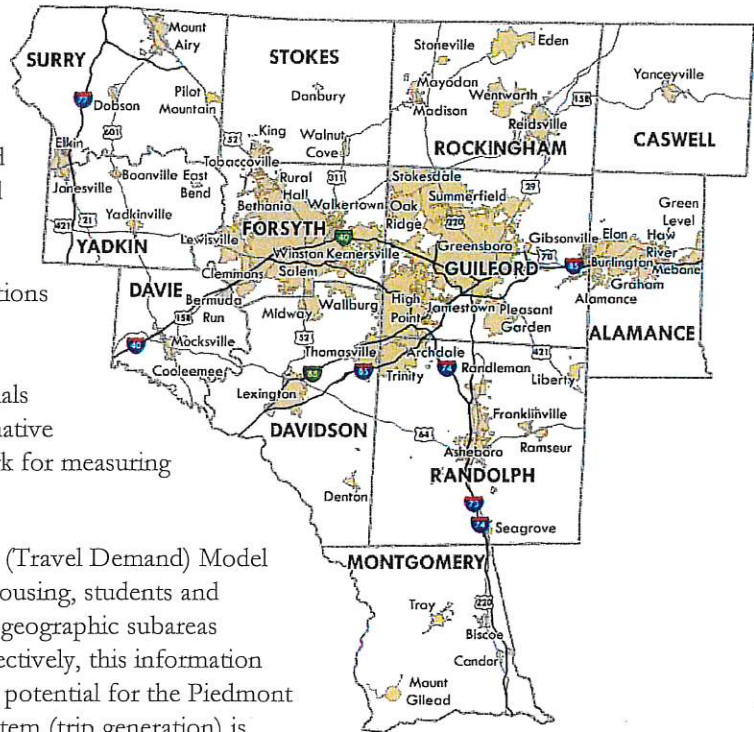
Action Requested

Please invite elected officials to attend the June 22nd CommunityViz Policy Maker Briefing at PART.

PART CommunityViz Guidebook

for Developing a Future Piedmont Triad CommunityViz Model

One of the tools available for studying long-term impacts to the regional transportation system is the Piedmont Triad Regional (Travel Demand) Model, which is a computer program that forecasts future year demand on existing and Planned transportation facilities using anticipated land use, demographic information, and travel patterns unique to the region. Planning horizon years in the travel demand model consider conditions 10, 20 and 30 years beyond base year conditions. Approximating future year conditions on the Transportation system helps transportation officials assess the implications of growth, compare alternative transportation solutions, and provide a framework for measuring the impact of policy decisions.



The foundation for the Piedmont Triad Regional (Travel Demand) Model is socioeconomic data — including population, housing, students and employment estimates — organized into distinct geographic subareas referred to as traffic analysis zones (TAZs). Collectively, this information represents the assumed growth and development potential for the Piedmont Triad Region. Demand on the transportation system (trip generation) is calculated directly from the model’s socioeconomic data. Four metropolitan planning organizations — Greensboro, Winston-Salem, High Point and Burlington-Graham — rely on information from the Piedmont Triad Regional (Travel Demand) Model for developing their adopted Metropolitan Transportation Plans.

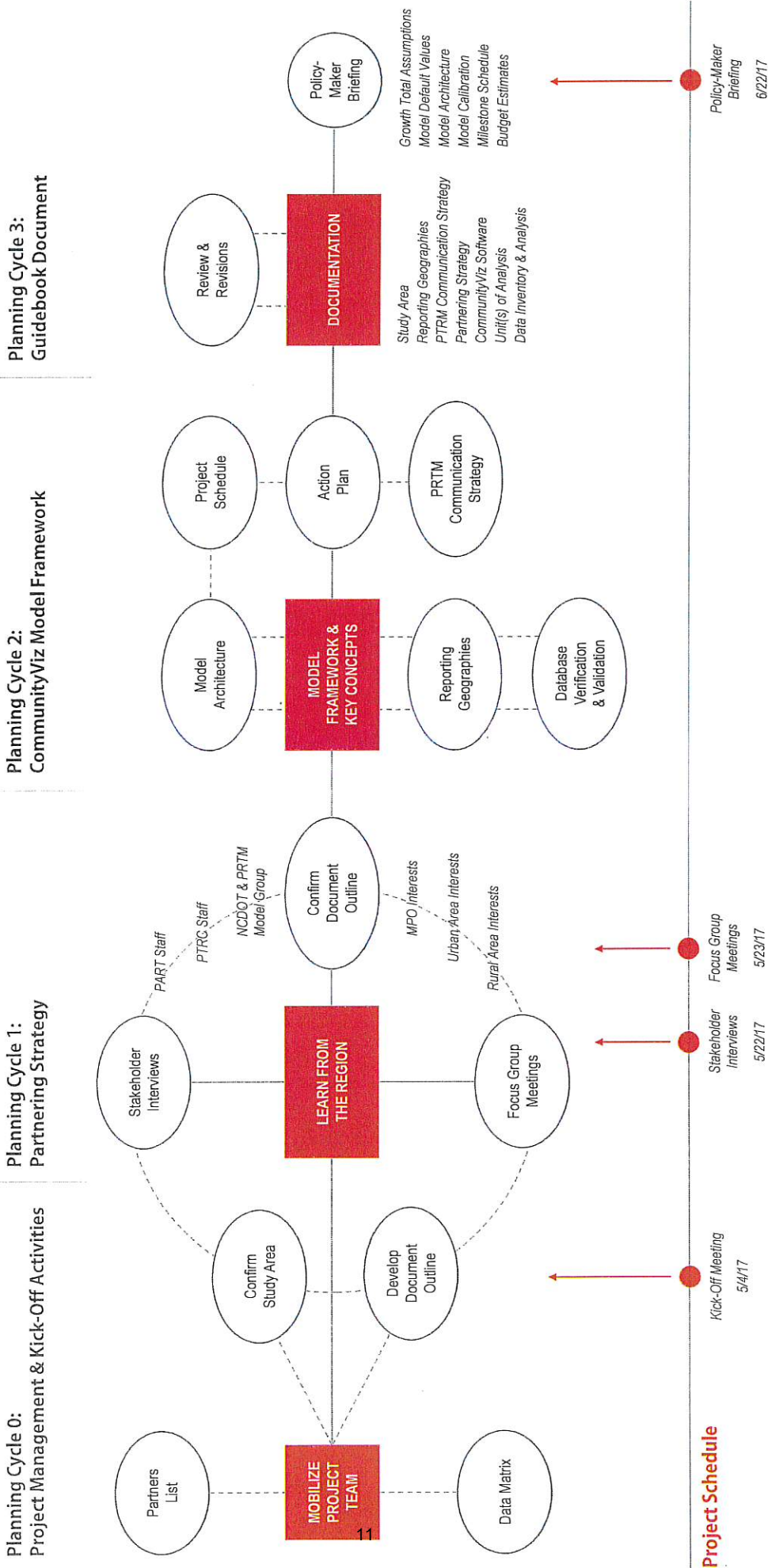
The current process to develop socioeconomic data for the Piedmont Triad Regional (Travel Demand) Model is time intensive, and the top-down, manual process creates challenges for allocating future year growth in the region. Specifically, it can 1) create a miss-match between demand and supply statistics for growth allocation in some growth categories and in some parts of the region, and 2) marginalize some of the unique conditions for cities and towns in the region by misrepresenting local plans and ordinances. The manual process also limits the ability to evaluate the effects of alternative development patterns on the efficiency of the regional transportation system.

The Piedmont Authority for Regional Transportation will study the merits, needs, capabilities and next steps for building a **Piedmont Triad CommunityViz Model** using CommunityViz software, which will replace current socioeconomic data allocation processes for the region (including both a base year data management tool and a future year allocation tool). The new Model will incorporate data, logic, partnerships and staff experience developed for the **Piedmont Together CommunityViz Model** in 2013 — making the transition to a new tool more efficient and cost-effective. A document will summarize key steps for moving forward with the model build program in the context of a project guidebook (implemented independent of this project).



PART CommunityViz Guidebook

Planning Process Map & Schedule



Agenda Item

Agenda Item IV.

Prioritization 5.0 Overview

Background

Please review the attached slides outlining P5.0 Workgroup Recommendations.

- We have one more TCC/TAC meeting during the project submittal window
- NCDOT would like us to consider the use of alternative weights

Action Requested

For your information only.



P5.0 Workgroup Recommendations: Highway Scoring

Highway Scoring – Eligible Criteria

<u>Criteria</u>	<u>Existing Conditions</u>	<u>Project Benefits (Future Conditions)</u>
- Congestion (Volume/Capacity + Volume)		
- Benefit/Cost [(Travel Time Savings + Safety Benefits) / Cost to NCDOT]		
- Safety Score (Critical Crash Rates, Density, Severity, Safety Benefits)		
- Economic Competitiveness (% Change in Jobs + Economy)		
- Accessibility / Connectivity (County Economic Indicator, Improve Mobility)		
- Freight (Truck Volumes, Truck %, Future Interstate Completion)		
- Multimodal (Multimodal Benefits)		
- Lane Width (Existing Width vs. Standard Width)		
- Shoulder Width (Existing Width vs. Standard Width)		
- Pavement Score (Pavement Condition Rating)		

Highway – Congestion

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	30%
Regional Impact	20%
Division Needs	15%

Purpose – Measure existing level of mobility along roadways by indicating congested locations and bottlenecks

Statewide Mobility 60% - Existing Volume/Capacity Ratio
 40% - Existing Volume

Regional Impact 80% - Existing Volume/Capacity Ratio
 20% - Existing Volume

Division Needs 100% - Existing Volume/Capacity Ratio

- Peak ADT will be used as the Existing Volume

6

Highway – Benefit-Cost

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	25%
Regional Impact	20%
Division Needs	15%

Purpose – measure the expected benefits of the project over a 10 year period against the estimated project cost to NCDOT

$$\left[\frac{\text{(Travel Time Savings over 10 years in \$ + Safety Benefits over 10 years in \$)}}{\text{Project Cost to NCDOT at time of submittal}} \right] + \left[\frac{\text{Other Funds}}{\text{Total Project Cost}} \right] \times 100$$

- Cost can be lowered and score increased if other funds (non-federal or non-state funds) are committed

Highway – Safety

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	10%
Regional Impact	10%
Division Needs	10%

Purpose – measure existing crashes along/at the project and **calculate future safety benefits**

Segments	20% - Crash Density
	20% - Crash Severity
	20% - Critical Crash Rate
	40% - Safety Benefits
Intersections	30% - Crash Frequency
	30% - Severity Index
	40% - Safety Benefits

Highway – Freight

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	25%
Regional Impact	10%
Division Needs	5%

Purpose – Account for key indicators of freight movement

50% (Truck Volume) + 50% (Truck %) + Future Interstate Completion Factor

Future Interstate Completion Factor [Modernization Projects] = $((\text{Project Length} / \text{Miles Needed to Complete Future Interstate Corridor between NHS Routes}) \times 100) / 2$

Future Interstate Completion Factor [All Other Projects] = $((\text{Project Length} / \text{Miles Needed to Complete Future Interstate Corridor between NHS Routes}) \times 100)$

Max Future Interstate Completion Factor = 25

Highway – Economic Competitiveness

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	10%
Regional Impact	N/A
Division Needs	N/A

Purpose – measure the economic benefits the transportation project is expected to provide in economic activity (GDP) and jobs over 10 yrs

Score based on Output from **TREDIS[®]** (Economic Impact Model)

50% - % change in county economy

50% - % **change** in long term jobs

- Does NOT include contingent (prospective) development
- Criteria is not intended to evaluate projects for recruiting purposes

Highway – Accessibility / Connectivity

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	N/A
Regional Impact	10%
Division Needs	5%

Purpose – Improve access to opportunity in rural and less-affluent areas and improve interconnectivity of the transportation network.

50% - County Economic Indicator – Points are based on economic distress indicators:

- property tax base per capita
- population growth
- median household income
- unemployment rate

50% - Improve Mobility – If project upgrades mobility of roadway (e.g. eliminating signals), points based on travel time savings per user

Highway – Accessibility / Connectivity

Improve Mobility (Does project upgrade the roadway facility type?)

- Focus on improving how the roadway functions, with emphasis on enhancing traffic flow, removing/bypassing traffic signals, and increasing access control
- Eligibility based on combination of Existing Facility Type and Project Facility Type (see below)

Existing Facility Type (From)	Project Facility Type (To)
Two Lane Highway	Freeway
Two Lane Highway	Multilane Highway
Two Lane Highway	Superstreet
Multilane Highway	Freeway
Arterial (Signalized Roadway)	Freeway
Arterial (Signalized Roadway)	Multilane Highway
Arterial (Signalized Roadway)	Superstreet
Superstreet	Freeway
Superstreet	Multilane Highway

New Location (Freeway, Multilane Highway, Superstreet) and Upgrade Intersection to Interchange/Grade separation projects also eligible)

- If project is eligible, travel time savings per user is the measure

P5.0 Highway – Multimodal

Funding Category

Criteria Weight

Statewide Mobility

-

Regional Impact

-

Division Needs

-

Purpose – measure degree the highway project benefits other modes

Score based on sum of benefits to other modes

Benefit points awarded based on:

- Proximity to airports, ferry terminals, ports, intermodal terminals, passenger bus or rail stations, park & ride lots, military bases
- If project includes bicycle and/or pedestrian accommodations, transit roadway components (bus-on-shoulder, pullouts, signal prioritization, etc), managed lanes

Highway – Multimodal Benefits Table

Mode	Benefit
Aviation	Within 1 mile of commercial service airport (passenger & freight access points)
Aviation	Within 1 mile of red & blue general aviation airport
Bike/Ped	Includes sidewalks, pedestrian crossings, striped bicycle lanes, wide outside lanes (greater than or equal to 14 feet), OR 4ft paved shoulder
Ferry	Within 1 mile of ferry terminal access point
Port	Within 1 mile of Port of Morehead City OR Port of Wilmington access points
Rail	Within 1 mile of NHS truck / rail intermodal terminal
Rail	Within 1 mile of Amtrak Station access point
Rail	Includes new highway-rail grade separation (primary purpose of project is highway)
Transit	Includes bus pullouts, transit bypass lanes, OR transit signal prioritization
Transit	Includes bus-on-shoulder-system (BOSS) OR managed lanes
Transit	Within 1 mile of major passenger station access points
Transit	Within 1 mile of standalone park and ride lot (minimum # spaces)
Military	Within 1 mile of access point to major military base on STRAHNET / defense access roads

Each row in above table is worth 1 point. Project score = sum of points

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P5.0 Highway – Lane Width

Funding Category

Criteria Weight

Statewide Mobility

-

Regional Impact

-

Division Needs

-

Purpose – measure the existing lane width vs. DOT design standard

Existing Lane Width – DOT design standard Lane Width

- Greater the difference, the higher points the project receives
- Does NOT mean that project will be constructed to design standard

Highway – [Paved] Shoulder Width

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	-
Regional Impact	-
Division Needs	-

Purpose – measure the existing paved shoulder width vs. DOT design standard

Existing Paved Shoulder Width – DOT design standard Paved Shoulder Width

- Greater the difference, the higher points the project receives
- Does NOT mean that project will be constructed to design standard

Highway – Pavement Condition

<u>Funding Category</u>	<u>Criteria Weight</u>
Statewide Mobility	-
Regional Impact	-
Division Needs	-

Purpose – measure the existing pavement condition along the project

100 – Pavement Condition Rating

- Based on 2016 Pavement Condition Survey
- Higher scores indicate poorer pavement condition

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 Criteria & Weights

Highway Scoring Criteria & Weights (Default)

Funding Category	<u>QUANTITATIVE</u>	<u>QUANTITATIVE</u>
	Data 5.0	Data 4.0
Statewide Mobility	Congestion = 30% Benefit-Cost = 25% Freight = 25% Safety = 10% Economic Comp. = 10%	Congestion = 30% Benefit-Cost = 25% Safety = 15% Economic Competitiveness = 10% Freight = 15% <u>Multimodal = 5%</u> Total = 100%
Regional Impact	Congestion = 20% Benefit-Cost = 20% Safety = 10% Accessibility/Connectivity = 10% Freight = 10%	Congestion = 20% Benefit-Cost = 20% Safety = 10% Accessibility/Connectivity = 10% <u>Freight = 10%</u> Total = 70%
Division Needs	Congestion = 15% Benefit-Cost = 15% Safety = 10% Accessibility/Connectivity = 5% Freight = 5%	Congestion = 15% Benefit-Cost = 15% Safety = 10% Accessibility/Connectivity = 5% <u>Freight = 5%</u> Total = 50%

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

Highway Scoring – Alternate Weights

Available for Regional Impact and Division Needs scoring

Requirements:

1. All MPOs/RPOs/Division Engineers unanimously agree on Alternate Weights by funding category (inaction doesn't mean non-agreement; action required for disagreement)
 - Alternate Weights from P4.0 will not carry to P5.0
 - Within respective Paired Funding Region(s) or Division(s)
2. Memo to SPOT from each MPO/RPO/Division Engineer – reference TAC Chair(s) agreement
 - Memo must be received by **September 30th, 2017**

Agenda Item

Agenda Item V.

Prioritization 5.0 Projects

Background

Please review the included materials for prioritization. The attached spreadsheets are a first attempt to document the potential projects we discussed in pre-submittal meetings. Please review these projects prior to the meeting and be prepared to discuss whether they are a low, medium or high priority for your jurisdiction. If there are other projects you would like to include, please be prepared to share those as well. The NWPRPO can submit up to 21 projects in each mode.

Action Requested

Review attached project and determine priority.

Davie County

County(s)	Municipality(s)	Division(s)	Mode	Route	From / Cross Street	To	Project Description	Specific Highway Improvement Type	What specific feedback can NCDOT Central Staff assist with your project development?	RPO Notes:
Davie		11	Highway	Farmington Road	NC 158	Rocky Dale Lane	Widen existing roadway and improve intersections at 158 and I-40 ramps with roundabouts.	10 - Improve Intersection	Should this be entered as 1 or 2 projects? Reference SPOT ID H150804.	
Davie		9	Highway	U.S. 601	NC 801		Improve Intersection; blind intersection	10 - Improve Intersection		
Davie		9	Highway	Greenhill Rd	U.S. 64		Realign intersection	10 - Improve Intersection		
Davie		9	Highway	Cornatzer Rd	Fork Bixby Rd	Fork Bixby Rd	Improve Highway/Railroad Crossing	23 - Improve Highway / Railroad Crossing		
Davie	Mocksville	9	Highway	U.S. 64	Sanford Ave		Improve Intersection	10 - Improve Intersection		
Davie	Mocksville	9	Bike Ped	Yadkinville Road	Valley Road	Senior Center	Construct Sidewalk			
Davie	Mocksville	9	Highway	NC 801	US 64		Improve intersection; blind intersection; traffic calming needed	10 - Improve Intersection		
Davie	Cooleemee	9	Highway	1116 (Junction Road/Marginal Street)	Main Street		Construction roundabout	10 - Improve Intersection		H150668

Stokes County

County(s)	Municipality(s)	Division(s)	Mode	Route	From / Cross Street	To	Project Description	Specific Highway Improvement Type	What specific feedback can NCDOT Central Staff assist with your project development?	RPO Notes:
Stokes	Danbury	9	Highway	Shepards Mill Rd	Hwy 8	Hwy 89	Construct roundabout at Hwy 8/89 and Sheppars Mill Rd.	10 - Improve Intersection		
Stokes	Danbury	9	Bike/Ped	Hwy 8	Sheppards Mill Bridge	Crestview Road	Construct sidewalk			
Stokes		9	Highway	Hwy 8	NC 89	VA Line	Northern Section Widen NC 8 from NC 89 north of Danbury to VA Line	16 - Modernize Roadway		H150253
Stokes		9	Highway	Hwy 268	Hwy 66		Improve Intersection for safety			School busses can't make this turn and have to use Old Lynchberg (dirt road) as cut through.

Surry County

Scenarios	County(s)	Municipality(s)	Division(s)	Mode	Route	From / Cross Street	To	Project Description	Specific Highway Improvement Type	What specific feedback can NCDOT Central Staff assist with your project development?	RPO Notes:
Scenario 1	Surry/Yadkin	Elkin/Jonesville	9	Highway	Johnson Ridge Road	C C Camp Road	NC 67	Construct roadway on new location and widen existing roadway to 3-lane road with intersection improvements at Claremont, Parkwood & 268.	6 - Widen Existing Roadway and Construct Part on New Location	This project meets the needs of two municipalities and two counties and includes construction of a bridge over the Yadkin River. How should we break up this project (or should we?). Reference feasibility study B-4820 and SPOT ID H150534	Potentially widen Johnson Ridge Rd to 3-lane with roundabouts
Scenario 2	Surry	Elkin	11	Highway	Johnson Ridge Road	C C Camp Road	East Main (NC 268)	Widen to 3-lane with 2 roundabouts at Parkwood Drive and Claremont Rd. and bike/ped facilities.	1 - Widen Existing Roadway		
Scenario 3	Surry/Yadkin	Elkin/Jonesville	11	Highway	New Route	Johnson Ridge Rd at 268	Valley Road at NC 67	Construct new road and bridge connecting Jonesville and Elkin.	5 - Construct Roadway on New Location		
Scenario 4	Surry/Yadkin		9	Highway	New Interchange	268	I-77	Construction New Interchange	9 - Convert Grade Separation to Interchange	Reference feasibility study B-4820	It will be hard to get interchange approved by FHA.
	Surry	Elkin	11	Highway	E Main St (NC 268)	E Market St.	E Main St	Improve intersection (mini-roundabout at Standard and Bridge)?	10 - Improve Intersection		Meeting map indicates need for traffic calming measures from Pegram St to intersection; did Elkin want intersection improvements at Standard and Bridge or Market and Main?
	Surry		11	Highway	NC 286	Rockford Rd (SR 2021?)		Safety improvements addressing poor site distance and traffic volume.	10 - Improve Intersection		
	Surry		11	Highway	601	Yadkin River	Cody Trail	Possibly extend to Yadkin City Limits	16 - Modernize Roadway	Where should project end? County line/Boonville/Yadkinville?	
	Surry		11	Highway	NC 89	Pine Ridge Rd		Improve Intersection for safety	10 - Improve Intersection		
	Surry	Mount Airy	11	Highway	W. Lebanon St.	N. South St		Improve intersection with Pedestrian Improvements	10 - Improve Intersection		
	Surry	Mount Airy	11	Highway	Fredrick St (U. S. 52)	Merita St.	Merita St.	Improve intersection with pedestrian improvements due to safety concerns	10 - Improve Intersection		*Dean was going to look into SPOT safety funds.
	Surry	Mount Airy	11	Highway	Arlington St (U.S. 52)	Worth Street	Snowhill Dr	Improve intersection at U.S. 52, Worth, Woodland Dr, Welch Rd, Snowhill Drive with pedestrian improvements			
	Surry	Mount Airy	11	Bike/Ped	Mt. Airy Middle School Greenway Connector	S. Main Street	Mt. Airy Middle School	Greenway connector			B142114; funded in P3 - dropped out in P4
	Surry	Dobson	11	Bike/Ped	Cooper Street	Dobson Elementary	Assisted living center	Construct sidewalk			

Surry County

	Surry	Dobson	11	Bike/Ped	Nature Center Drive	Main Street	Community College	Nature Center Drive from Main St to SR 1201 to adjoining sidewalk connecting with community college sidewalk network			*consider officially turning over to community college or building to design standards
	Surry	Dobson	11	Highway	Main St	Atkins		Intersection Improvement	10 - Improve Intersection		*consider feasibility study for downtown
	Surry		11	Highway	East Pine	Quaker Rd		Intersection Improvement	10 - Improve Intersection		
	Surry		11		W. Pine St	Toast Rd	Pine Ridge Rd	Modernize and Improve intersection at Pine Ridge Rd.	16 - Modernize Roadway		
	Surry		11	Highway	W. Pine St	Round Peak Church Rd		Intersection Improvement	10 - Improve Intersection		
	Surry		11	Highway	Haystack Rd	Fisher Valley Rd	River Rd	Modernize	16 - Modernize Roadway		
	Surry		11	Highway	US 52	SR 1815		Intersection Improvement	10 - Improve Intersection		
	Surry		11	Highway	S. Key ST	Shoals rd	Barney Venable Rd	Intersection Improvement	10 - Improve Intersection		
	Surry		11	Highway	NC 268	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.	16 - Modernize Roadway		
	Surry		11	Highway	Schoals Rd	Barney Venable Rd	Hauser Rd	Modernize Roadway	16 - Modernize Roadway		
	Surry		11	Highway	US 601	Turkey Ford Rd	Yadkin River	Modernize Roadway	16 - Modernize Roadway		
	Surry	Pilot Mountain	11	Bike/Ped	NC 268	Thompson Dr	Schoals Rd	Construct sidewalk			1 Priority
	Surry	Pilot Mountain	11	Bike/Ped	NC 268	Westfield Rd	Matthews Rd	W. Main St.			
	Surry	Pilot Mountain	11	Bike/Ped	N. Academy ST	E. Main St	Matthews Rd	US 52			
	Surry	Elkin	11	Bike/Ped	N Bridge St.	C. C. Camp Road	Highland Ave.	Construct sidewalk			

Yadkin County

County(s)	Municipality(s)	Division(s)	Mode	Route	From / Cross Street	To	Project Description	Specific Highway Improvement Type	What specific feedback can NCDOT Central Staff assist with your project development?	RPO Notes:
Surry/Yadkin	Elkin/Jonesville	9	Highway	Johnson Ridge Road	C C Camp Road	NC 67	Construct roadway on new location and widen existing roadway to 3-lane road with intersection improvements at Claremont, Parkwood & 268.	6 - Widen Existing Roadway and Construct Part on New Location	This project meets the needs of two municipalities and two counties and includes construction of a bridge over the Yadkin River. How should we break up this project (or should we?). Reference feasibility study B-4820 and SPOT ID H150534	Potentially widen Johnson Ridge Rd to 3-lane with roundabouts
Surry/Yadkin	Elkin/Jonesville	11	Highway	New Route	Johnson Ridge Rd at 268	Valley Road at NC 67	Construct new road and bridge connecting Jonesville and Elkin.	5 - Construct Roadway on New Location		
Surry/Yadkin		9	Highway	New Interchange	268	I-77	Construction New Interchange	9 - Convert Grade Separation to Interchange	Reference feasibility study B-4820	It will be hard to get interchange approved by FHA.
Yadkin	Jonesville	11	Highway	Elm Street	N. Bridge St (NC67)	W Main St. (U.S. 21 Bus)	Widen existing roadway and improve intersections at N. Bridge St. and W. Main St.	1 - Widen Existing Roadway		
Yadkin		9	Highway	New Route	SR 1134 (Billy Reynolds Road)	SR 1150 (Hoots Rd)	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	5 - Construct Roadway on New Location	This project is a priority for the County but scored very low. Is there a different way to enter it so it will score higher?	Not going to get a lot of benefit due to existing interchange, doubt it would draw a lot of traffic off 601, consider entering as grade separation, mile away from 601.
Yadkin		11	Highway	SR 1363/1366 (Woodruff Rd)	NC 67	NC 67	Modernize Roadway	16 - Modernize Roadway	Trying to assess how this project would score. There have been a lot of accidents at this loop.	
Yadkin	Jonesville	11	Bike/Ped	W Main St.	Cherry St.	Cemetery Drive	Sidewalk from Cherry Street, L on Church St, Right on N. Swaim St. Right on Cedar Brook Rd to Cemetery Drive			Map also indicates potential greenway connecting W Main St and Cedar Brook Rd. Need to get sidewalk access to Jonesville Elementary School.
Yadkin	Jonesville	11	Bike/Ped	NC 67	Mayberry Rd	N. Park Drive	Construct sidewalk on NC 67 from Mayberry Road turning left on Valley Road and ending at N. Park Dr			
Yadkin		11	Highway	NC 67	Rockford Rd	NC 67		10 - Improve Intersection		Dean noted intersection needed improvement
Yadkin		11	Highway	US 601	NC 67	Mackie Rd (SR 1134)	Modernize roadway and improve intersection at Mackie Rd (SR 1134)	16 - Modernize Roadway		Are we widening or modernizing?
Yadkin	Yadkin County	11	Highway	Old Stage Rd	US 601	Farmington Rd	Add shoulders on Old Stage Rd (NC1773) south on Watkins Rd and left on Courtney-Huntsville Rd (NC1001) to Farmington Rd.	16 - Modernize Roadway		

Yadkin County

Yadkin	Yadkin County	11	Highway	N. State St (US 601)	Country Club Rd		Add turn lanes	10 - Improve Intersection		
Yadkin	Yadkin County	11	Highway	Old U.S. 421	Hwy 21		Upgrade to signalized intersection	10 - Improve Intersection		Peak periods it ggets back up; people coming to the new park will utilize that intersection.
Yadkin	Yadkin County	11	Highway	Rock House Mountain Road	Longtown Rd (SR 1338)	Longtown Rd (SR 1338)	Roundabout	10 - Improve Intersection		Potentially widen Rock House Mountain Road as well. School System may already have right-away for roundabout; cost needs to include culvert; school driveway?
Yadkin	Yadkin County	11	Highway	Falcon Rd	Old U.S. 421	Forbush Rd (SR 1570)	Roundabout at Falcon and Old U.S. 421 and widen road to Forbush Rd	1 - Widen Existing Roadway		H150268; how to capture improvements in front of school and intersection improvement?
Yadkin	Yadkin County	11	Highway	Nebo Road (SR1570)	NC 67		Improve Intersection	10 - Improve Intersection		
Yadkin	Yadkinville	11	Highway	State Street	U.S. 421	Walnut Street	Roundabout off 421 and lengthen ramp.	10 - Improve Intersection		
Yadkin	Yadkinville	11	Highway	Main St	601	Unifi	Modernize with pedestrian improvements at 601 & main and mini-roundabout at Van Buren and Main	16 - Modernize Roadway		
Yadkin	Yadkinville	11	Highway	Lee St.	State St.		Roundabout/intersection Improvement	10 - Improve Intersection		
Yadkin	Yadkinville	11	Highway	Tennessee St.	State St.		Roundabout	10 - Improve Intersection		
Yadkin	Yadkinville	11	Highway	New Route	Tennessee St & Mackie Rd	Main & Unifi	Roundabout/intersection Improvement	10 - Improve Intersection		
Yadkin	Yadkinville	11	Highway	E. Lee Ave	Progress	Unifi	Modernize roadway and improve intersections at Progress Ln and Unifi Ind. Dr.	16 - Modernize Roadway		
Yadkin	Yadkinville	11	Bike/Ped	New Route	Adams St.	State St.	New greenway			
Yadkin	Yadkinville	11	Bike/Ped	New Route	N. Lee Ave & Northwood Church Rd.	N. State St. & Oak Street	New greenway splitting in forested area and connecting to N. State Street on one side and Oak St. on the other.			
Yadkin	East Bend	11	Highway	W. Main St.	NC 67	NC 67	Improve Intersection	10 - Improve Intersection		
Yadkin	East Bend	11	Highway	Shady Grove Church Rd	Fairground Rd (SR1541)		Improve Intersection	10 - Improve Intersection		
Yadkin	East Bend	11	Highway	Main St	Fairground Rd (SR1541)		Improve Intersection	10 - Improve Intersection		
Yadkin	East Bend	11	Highway	Flint Hill Rd	NC 67	421	Modernize Roadway	16 - Modernize Roadway		



Agenda Item

Agenda Item VI.

Legislative Highlights

Background

A brief legislative update will be provided at the meeting.

Action Requested

For your information only.



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, June 20, 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 late Summer, 2017	\$10,642,621	Smith-Rowe, LLC	Mezak Tucker, PE (336)249-6255	Express Design Build Contract - Anticipate construction to start late Summer, 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.
Division Managed Projects Under Construction								
2017CPT.09.28.10301.1 2017CPT.09.29.20301.1 (DI00167)	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 25, 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 (DI00159)	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 (DI00162)	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	6/3/2017	\$2,586,583	Sharpe Brothers	Lee Puckett, Jr., PE (336)747-7800	Contractor begin work on 6-3-17
I-5765 53008.3.1	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	March 30, 2019 (permanent vegetation established by Oct. 01, 2018)	35% Complete	\$29,690,680	APAC-Atlantic, Inc Thompson Arthur Div.	Lee Puckett, Jr., PE (336)747-7800	Contractors will shift all traffic from Eastbound I-40 to Westbound I-40 between mm 171 and mm 177 in Davie County, beginning June 11th (24 hours a day), to a two-way, one lane in each direction pattern during concrete pavement repairs and asphalt overlay of this section in Davie County. Traffic is expected to be returned to normal traffic pattern by midnight, Aug 15, 2017.
W-5601CI 50138.3.88 (DI00146)	Thermoplastic Pavement Markings on Various Routes in Davidson, Davie and Rowan Counties	Sept. 28, 2016	TBD	85% Complete	\$377,909	TMI Services, Inc.	Lee Puckett, Jr., PE (336)747-7800	Work began March 15, 2017. Work was temporarily suspended on contract due to needed repairs on roadway before application of thermo. No contract work has been done since that date.
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	Schedules subject to APPROVED 2016-2025 STIP
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	Schedules subject to APPROVED 2016-2025 STIP
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	FY 2021	ROW Acquisition July 18, 2017	\$82,600,000	TBD	Brett Abernathy, PE (336)747-7800	Schedules subject to APPROVED 2016-2025 STIP
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	\$10,260,000	TBD	Brett Abernathy, PE (336)747-7800	Schedules subject to APPROVED 2016-2025 STIP

Northwest Piedmont RPO
Transportation Update
Tuesday, June 20, 2017

TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
Division Managed Projects Under Development								
17BP.9.R.100 (Old B-4819)	Replace Bridge #105 over Snow Creek on SR 1697 (Pitzer Rd.) in Stokes County	July 22, 2020	TBD	ROW TBD	\$1,700,000	TBD	Matt Jones, PE (336)747-7800	*Schedule subject to DRAFT 2017-2017 STIP With changes to the TIP this project will now be Division Managed and funded by the Division Managed Bridge Program
17BP.9.R.90 (Old B-5509)	Replace Bridge #62 over Neatman Creek on SR 1961 (Payne Rd.) in Stokes County	Dec. 1, 2017	TBD	ROW FY 2018	\$2,025,000	TBD	Matt Jones, PE (336)747-7800	*Schedule subject to DRAFT 2017-2017 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.
B-5784 45739.3.1	Replace Bridge #125 over North Double Creek on SR 1484 (Dan George Rd) in Stokes County.	Feb. 28, 2019	TBD	ROW Acquisition Feb. 28, 2018	\$1,085,000	TBD	Matt Jones, PE (336)747-7800	Division Let - Schedule acceleration approved in January BOT, Item N. Planning and Design is underway. Archaeological surveys are underway based on known sites in the area.
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	\$11,381,000	TBD	Brett Abernathy, PE (336)747-7800	DDRL - Schedules subject to APPROVED 2016-2025 STIP Coordinate with I-5765
Division Managed Projects Under Development								
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 March 17, 2017	\$825,000	TBD	Brett Abernathy, PE (336)747-7800	DPOC - Schedules subject to APPROVED 2016-2025 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.	May 17, 2022	TBD	ROW Acquisition May 21, 2021	\$12,323,000	TBD	Brett Abernathy, PE (336)747-7800	DDRL - Schedules subject to APPROVED 2016-2025 STIP
R-5768 44670.3.1	Upgrade intersection and improve railroad crossing at US 311 and NC 65 in Walnut Cove in Stokes Co.	Jan. 17, 2023	TBD	ROW Acquisition Jan. 17, 2020	\$3,300,000	TBD	Brett Abernathy, PE (336)747-7800	DPOC - Schedules subject to APPROVED 2016-2025 STIP
R-5828	Construct Roundabout at the intersection of US 311 (S. Main Street) and First Street in Walnut Cove in Stokes Co	FY 2021	TBD	ROW Acquisition FY 2020	\$650,000	TBD	Brett Abernathy, PE (336)747-7800	*Schedule subject to DRAFT 2017-2027 STIP
U-6002	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 DRAFT 2017-2027 STIP
17BP.9.C.3	Replace pipe #2061 at Unnamed Creek on 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 at Branch of Cedar Creek on 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 at Elk Creek on SR 1433 (Puckett Rd.) in Stokes County.	Feb. 28, 2018	TBD	Planning and Design in progress	\$200,000	TBD	Matt Jones, PE (336)747-7800	Division Let Planning and design is underway.
17BP.9.C.9	Replace pipe #107 at Lynn Branch on SR 1696 (Duggins Rd.) in Stokes County.	Feb. 28, 2018	TBD	Planning and Design in progress	\$200,000	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.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	\$6,300,000	TBD	Matt Jones, PE (336)747-7800	The prospective teams have been shortlisted and price proposals are due June 20, 2017. 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.
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.

Northwest Piedmont RPO
 Transportation Update
 Tuesday, June 20, 2017

TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
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. veg. established Mar. 31, 2017)</i>	100% Complete	\$437,152	Smith-Rowe, LLC	Dale Swicegood, PE (336)249-6255	Work is complete. Project was accepted October 31, 2016.
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 (DI00156)	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