


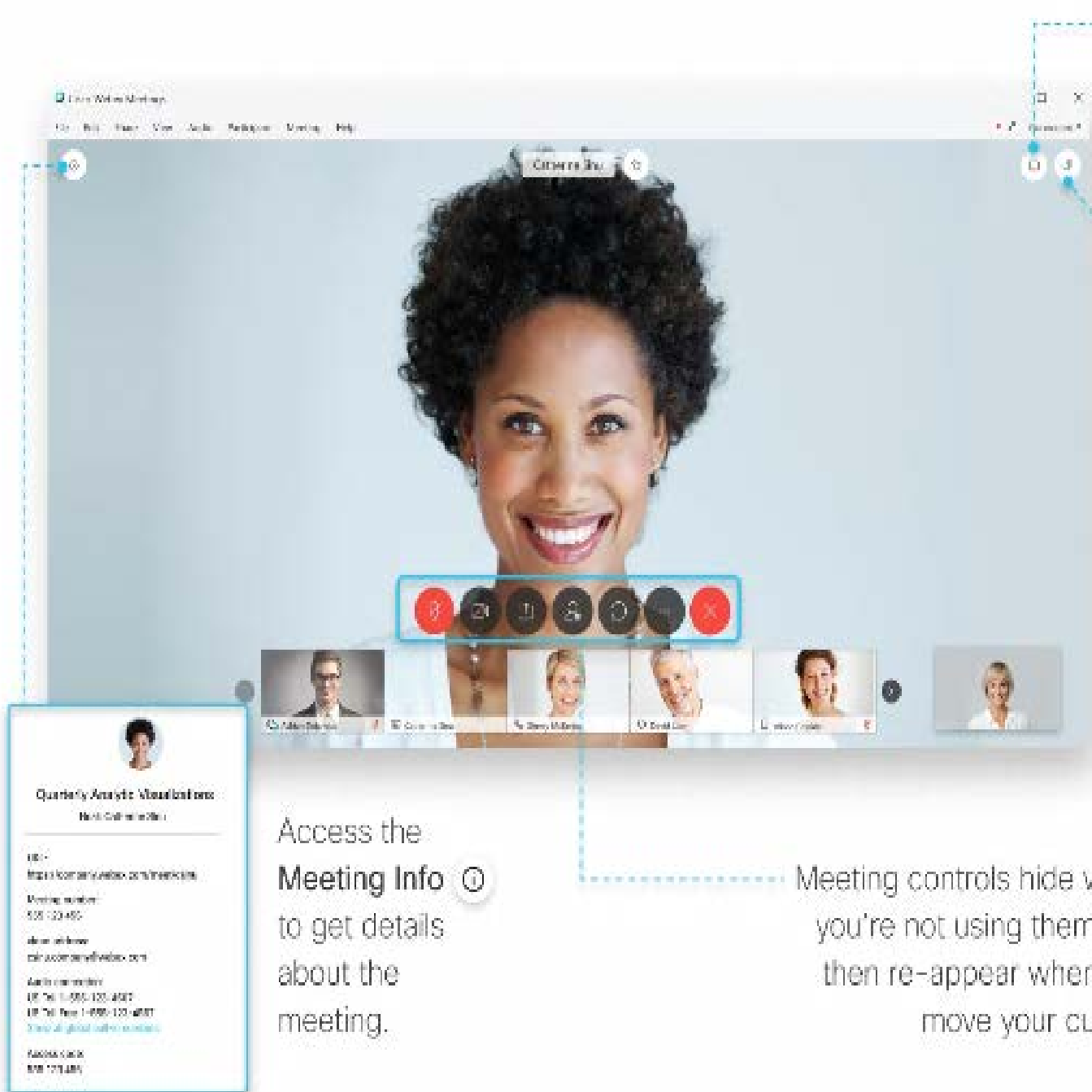
Greensboro Urban Area MPO



**Technical Coordinating Committee
June 22, 2021**

A large green highway sign with a white border and a white outline. The sign is mounted on a metal structure and is set against a blue sky with light clouds. The text on the sign is centered and reads "Opening Remarks & TCC Roll Call".

**Opening Remarks
&
TCC Roll Call**



Change your **Video Layout**  to control where you view video participants and panels on your screen.

Choose **Floating Panel View**  to position any panel where you want it - even on a second monitor.

Access the **Meeting Info**  to get details about the meeting.

Meeting controls hide when you're not using them and then re-appear when you move your cursor.

Attendee Verification

Action Items

June 22, 2021

Action Business Other

Technical Coordinating Committee

Meeting Minutes of May 11, 2021

2:00 p.m., Greensboro, NC

WebEx Online Virtual Meeting

Attendance

Tyler Meyer	<i>TCC Chair</i>	Michael Abuya	<i>NCDOT IPB</i>
Craig McKinney	<i>MPO Staff</i>	Oliver Bass	<i>Guilford County Planning</i>
Lydia McIntyre	<i>MPO Staff</i>	Scott Whitaker	<i>Town of Summerfield</i>
Gray Johnston	<i>MPO Staff</i>	Sean Taylor	<i>Town of Oak Ridge</i>
Tram Truong	<i>MPO Staff</i>	Tram Truong	<i>GDOT/MPO</i>
Yuan Zhou	<i>MPO Staff</i>	Suzanne Akkoush	<i>Airport Authority</i>
Hanna Cockburn	<i>GDOT Director</i>	Susette Morales	<i>FHWA</i>
Alex Rosser	<i>Airport Authority</i>	Tamara Njegovan	<i>NCDOT Div. 7</i>
Chris Spencer	<i>GDOT/Engineering</i>	Deniece Conway	<i>GDOT/Engineering</i>
George Linney	<i>GTA</i>	Elizabeth Jernigan	<i>GSO Parks & Rec</i>
Mark Kirstner	<i>PART</i>		

MTIP Modifications: MPO Area Aviation Projects

Modifies 3 projects: AV-5701, AV-5707, and AV-5718



www.americaerialphotos.com

MTIP Modifications: MPO Area Aviation Projects



STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2021	FY 2022	FY 2023
Current	AV-5701	Runway 5R-23L Extension Program	O	C	\$19,500,000		
			T	C	\$ 500,000		
Change	AV-5701	Runway 5R-23L Extension Program	O	C			\$ 19,500,000
			T	C			\$ 500,000
Current	AV-5707	Construction Taxiway G.	O	C	\$15,400,000		
			T	C	\$ 500,000		
Change	AV-5707	Construction Taxiway G.	O	C			\$ 15,400,000
			T	C			\$ 500,000
Current	AV-5718	High Speed Taxiway to Runway 5R-23L	O	C	\$ 2,500,000		
			T	C	\$ 500,000		
Change	AV-5718	High Speed Taxiway to Runway 5R-23L	O	C			\$ 2,500,000
			T	C			\$ 500,000

Action Business Other

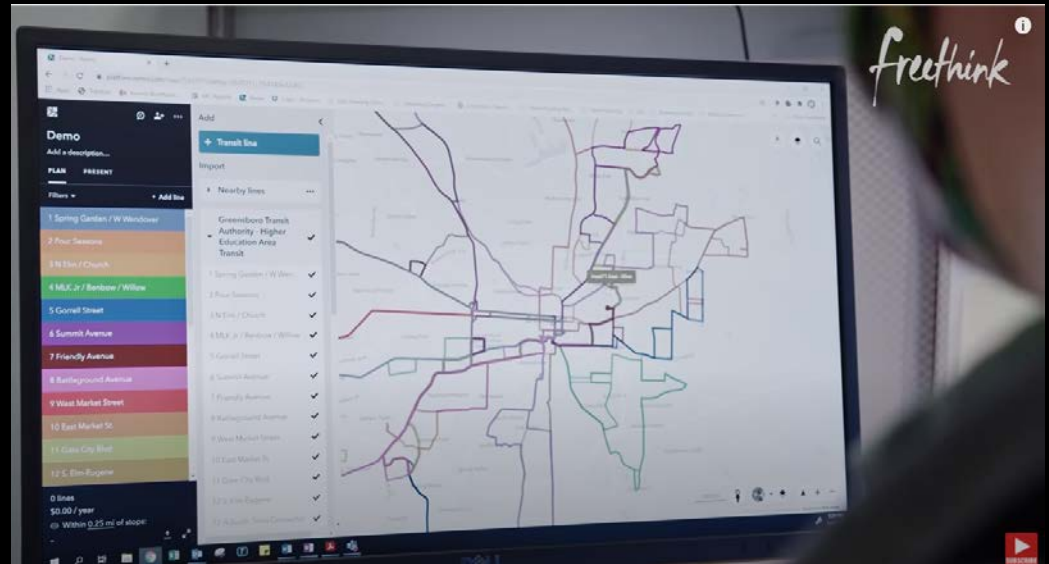
Recommendation: Modify MTIP

MTIP Modification & Amendment: Statewide Roadway Projects

Amend	2 CMAQ projects	Add \$23.4M
Modify	6 development & environmental analysis projects	Add \$18M
Modify	6 roadway design training projects	Add \$1.58M
Modify	2 delivery process projects	Add \$12.5M
Modify	3 mitigation services projects	Add \$50M

Action Business Other **Recommendation:** Modify/Amend MTIP

MTIP Amendments: Statewide Transit Projects



- Amends TM-0027 (rural transit administration) and TU-0005 (5303 MPO transit planning grant funds) in FY 2022
- Increases TM-0027 to \$23M and adds TU-0005 \$3.3M
- Maintains MTIP / STIP consistency & ensures availability of 5311 for TAMS and 5303 for the MPO

Endorse GTA Request for NCDOT Matching Funds



TA-4771 4 clean diesels



TA-4767 2 paratransit vans

Recommendation: Endorse GTA request

MTIP Modification & Amendments: MPO Area Transit Projects

- Replaces estimated FY 2021 funding amounts with final FTA FY 2021 apportionment numbers
- Updates future year funding levels FY 2022-2029 based on the FY 2021 numbers
- Shifts FY 21 funding between projects to optimize grants, including:
 - Shifts Sec. 5307 (\$948,000) to purchase a CAD/AVL system for the fixed route fleet and Sec. 5339 (\$90,000) for bus shelters
 - Shifts Sec. 5339 (\$403,000) left over from Depot renovation to replace 7 paratransit vehicles
 - Adjusts PART routine capital and operating assistance projects to reflect funding amounts (\$92,086) carried over from prior years
 - Rather than drawing down this year, PART will roll over FY 2021 bus and bus facilities funding (\$40,806) for programming in a future year

Program of Projects FY 2021



- Accounts for FY 2021 transit grants (covers 10/1/2020 to 9/30/2021)
 - GTA, PART & TAMS
 - formula programs
 - discretionary funds
- Public comment period 5/14 – 6/13
 - No comments received

Public Hearing

- Comments due by 5PM 6/13
 - No comments submitted

Business Items

June 22, 2021

Action Business Other

Division Engineer Updates

Action Business Other

Project Updates

Action Business Other



EL-5101 DM

- *Lowdermilk paving complete*
- *Holts Chapel paving in July*

Action Business Other



U-5306 B

- NCDOT approval of milling costs pending
- Approximately 6 weeks of work remaining



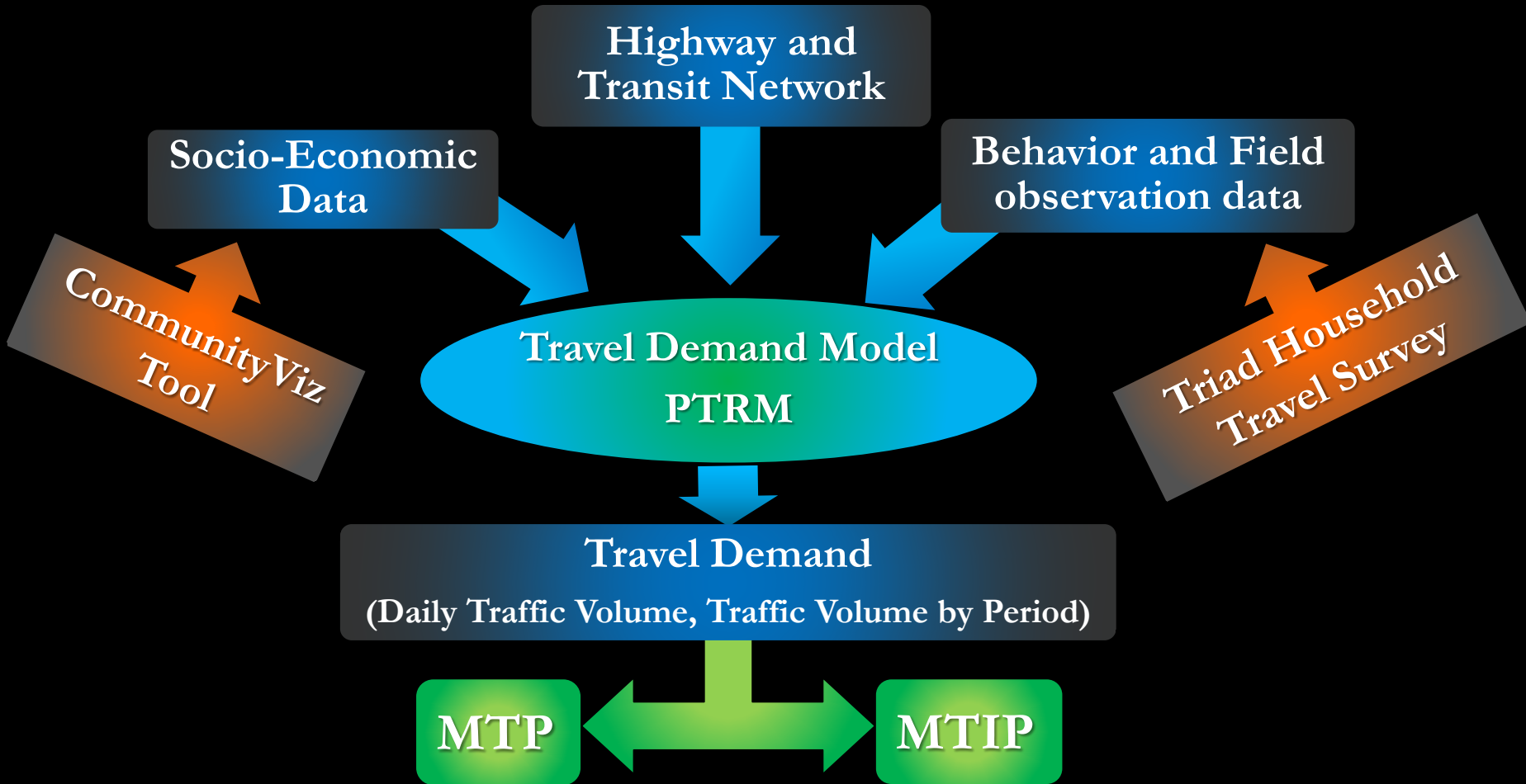
U-5326

- Railroad crossing to be closed to traffic June 24 – July 1
- Paving to soon follow

Strategic Reports

Action Business Other

Piedmont Triad Regional Model (PTRM) Activities



Piedmont Triad Regional Model (PTRM) Activities

- **CommunityViz :**

- Complete Calibration & Validation March 2022
- Complete 2022 SE (population, employment) Forecast by the end of 2022

Complete other SE data (HH Autos, Income etc.) update by the end of September 2023 by other means

- **Triad Household Travel survey:**

- RFLOI will release around September 2021
- Project will start in fall of 2021
- Final delivery around February 2023



Prioritization Process

- ❖ Executive Order in 2009
- ❖ Performance Based Analysis
- ❖ Prioritization 6.0
- ❖ STI House Bill 817
- ❖ Multi-modal Evaluation

**STRATEGIC
TRANSPORTATION
INVESTMENTS**

Smart decisions to keep North Carolina moving.

Project Scoring

Highway
Public Transportation
Bicycle and Pedestrian
Scoring

```
graph TD; A[Highway  
Public Transportation  
Bicycle and Pedestrian  
Scoring] --> B[Quantitative  
(Based on Project Needs)]; A --> C[MPO Priority]; A --> D[Division Priority];
```

Quantitative

(Based on Project Needs)

MPO Priority

Division Priority

Project Submittals

MPOs and RPOs:

Base of 12 submittals per mode, plus:

- + 1 for every 50,000 in population
- + 1 for every 500 centerline miles

Divisions: 14 submittals per mode

Applies to each mode

Same formula as P5.0

Highway Modernization vs. Mobility

Splitting out Mobility and Modernization Highway specific improvement types (SITs) – as done in P2.0 scoring

Modernization

- Different set of default criteria and weights
- SIT 16 – Modernize Roadway
- SIT 17 – Upgrade Freeway to Interstate Standards

Mobility

- Adding capacity to roadway
- All remaining SITs (1-15, 18-26)
- WG recommended same weights as P5.0 scoring

P6.0 Hwy Criteria & Weights (Modernization Default)

Funding Category	<u>QUANTITATIVE</u>		<u>LOCAL INPUT</u>	
	Data		Division	MPO/RPO
Statewide Mobility	Congestion = 10% Safety = 25% Freight = 25% Lane Width = 10% Shoulder Width = 20% Pavement Condition = 10%	100%	--	--
Regional Impact	Congestion = 5% Safety = 25% Freight = 10% Lane Width = 10% Shoulder Width = 10% Pavement Condition = 10%	70%	15%	15%
Division Needs	Safety = 20% Freight = 5% Lane Width = 5% Shoulder Width = 10% Pavement Condition = 10%	50%	25%	25%

Note: Area-Specific Criteria Weights allowed

P6.0 Hwy Criteria & Weights (Mobility Default)

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

Note: Area-Specific Criteria Weights allowed

Aviation Scoring

Criteria	Measure	Statewide Mobility (100%)	Regional Impact (70%)	Division Needs (50%)
NCDOA Project Rating	NCDOA Project Rating	40%	30%	25%
FAA ACIP Rating	FAA Airport Capital Improvement Plan (ACIP) rating	30%	15%	10%
Constructability Index	Sum of metrics rating project constructability	10%	10%	5%
Benefit/Cost	(Total Economic Contribution / Cost to NCDOT) + Funding Leverage	20%	15%	10%

Rail Scoring

Criteria	Measure	Statewide Mobility* (100%)	Regional Impact (70%)	Division Needs (50%)
Benefit-Cost	(Benefits / Cost to NCDOT) + Funding Leverage	35%	25%	10%
System Opportunities	(Accessibility/Connectivity score x 50%) + (Multimodal score x 50%)	15%	10%	15%
Safety	SARAH Investigative Index x Mitigation Factor	30%	15%	10%
Capacity and Diversion	(Volume/Capacity score x 75%) + (Highway Diversion score x 25%)	10%	10%	10%
Economic Competitiveness	Long-term Jobs Created x Unemployment Rate	10%	10%	5%

*Only Class I Freight projects eligible in Statewide Mobility
Passenger Rail only eligible for Regional Impact and Division Needs

Bicycle & Pedestrian Scoring

Criteria	Measure	Division Needs (50%)
Safety	(Number of crashes x 40%) + (Crash severity x 20%) + (Safety risk x 20%) + (Safety benefit x 20%)	20%
Accessibility/ Connectivity	Points of Interest pts + Connections pts + Route pts	15%
Demand/ Density	# of households and employees per square mile near project	10%
Cost Effectiveness	(Safety + Accessibility/Connectivity + Demand/Density) / Cost to NCDOT	5%

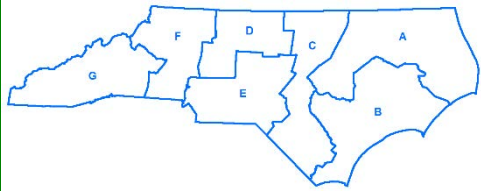
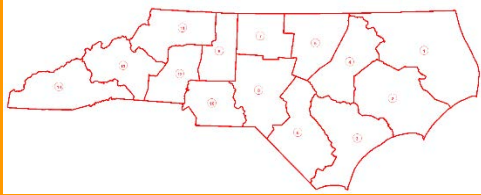
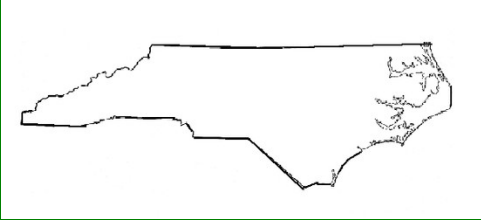
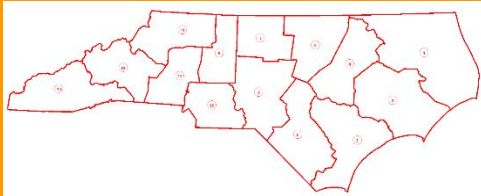
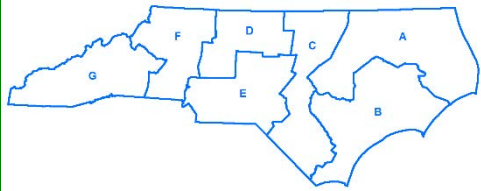
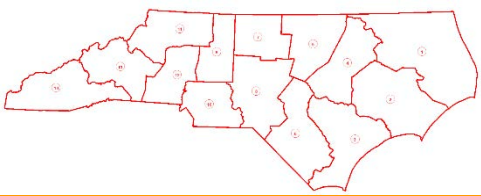
Prioritization 6.0 Process Modification

Proposed addition to Step Four: assignment of local input points

Flex Policy Option

MPO has the option to apply the Local Input Point Flexing Policy. This means that up to 500 Local Input Points can be transferred between Regional and Division Categories. If the organization chooses to flex Local Input Points, MPO will provide written documentation to the SPOT Office prior to assigning Regional Impact Local Input Points.

Normalization in P6.0 (2022-2031 STIP)

Mode	Regional Impact	Division Needs
Highway	90% (Region competition) 	90% (Division competition) 
Non-Highway	4% (Statewide competition) 	4% (Division competition) 
Flex	6% (Region competition) 	6% (Division competition) 

90% / 4% / 6% continue to be applied across entire 10 year program

Prioritization 6.0 Timeline

PHASE I

MPO Project Submittal Process Begins

April 2019

NCDOT BOT approves criteria

July 2019

MPO Project Analysis and Identify

November-December 2019

Public Review

March-April 2020

MPO Approve *Project List and MPO Methodology*

June 24, 2020

Submit Project List to NCDOT

August 31, 2020

PHASE II

Draft Statewide Projects and scores

August 2021

Public Review

October 2021

TAC Approve Assignment of Local Points

November 2021

Submit Regional Tier Project List to NCDOT

November 30, 2021

Submit Division Tier Project List to NCDOT

April 29, 2022

2024-2033 Draft STIP Released

August 2022





Other Items

1. Member Updates
2. Wrap up
3. Next Meeting August 10, 2021 at 2 PM

Greensboro Urban Area MPO



Photo by Jim Dollar, 2011

Technical Coordinating Committee
June 22, 2021