

# Greensboro Urban Area MPO



Technical Coordinating Committee  
September 18, 2023

# Teams Platform Basics



# **TCC Roll Call & Attendee Verification**

# Action Items

September 18, 2023

# Technical Coordinating Committee

## Meeting Minutes of August 7, 2023

2:00 PM, Greensboro, NC  
Zoom Online Virtual Meeting

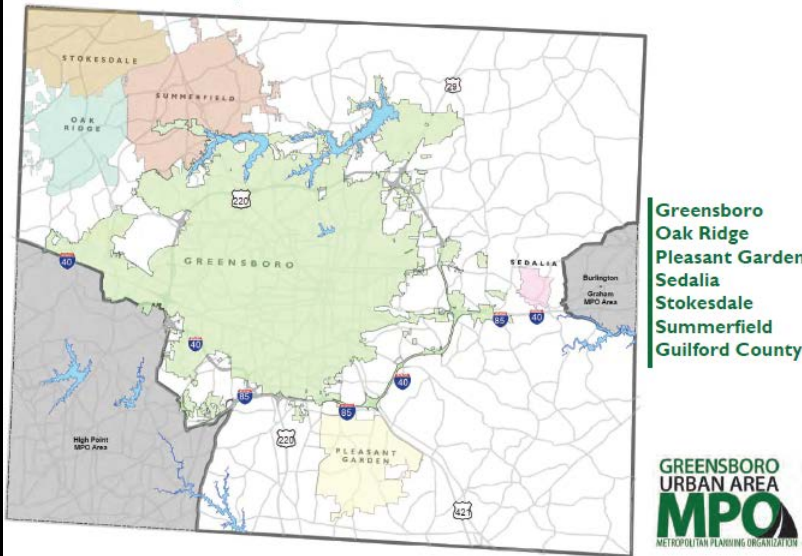
### Attendance

Tyler Meyer	<i>TCC Chair</i>	Mark Kirstner	<i>PART</i>
Lydia McIntyre	<i>MPO Staff</i>	Stephen Robinson	<i>NCDOT Div. 7</i>
Raunak Mishra	<i>MPO Staff</i>	Nishant Shah	<i>NCDOT Div. 7</i>
Craig McKinney	<i>MPO Staff</i>	Michael Abuya	<i>NCDOT Div. 7</i>
Yuan Zhou	<i>MPO Staff</i>	Chad Reimakoski	<i>NCDOT Div. 7</i>
Gregory Carlton	<i>MPO Staff</i>	Alex Rotenberry	<i>NCDOT IMD</i>
Mary Harward	<i>MPO Staff</i>	Nathanael Moore	<i>GSO Field Ops</i>
Gray Johnston	<i>MPO Staff</i>	Elizabeth Jernigan	<i>GSO Parks &amp; Rec</i>
Denise Conway	<i>MPO Engineering</i>	Jason Geary	<i>GSO Ec&amp;I</i>
Kelly Larkins	<i>GSO Planning Dept.</i>	Suzette Morales	<i>FHWA</i>
George Linney	<i>GIA</i>	Dawn Vallieres	<i>PTRC</i>

# Public Participation Plan



2023 Public Participation Plan  
September 20, 2023



- Friendlier reading
- Removal of the requirement that paper documents available at NCDOT Division 7 & Guilford County Commissioners Office
- New language on virtual meeting procedures
- Minor consistency and wording changes
- Public comment period from 8/4 to 9/18/2023

Action Business Other

**Recommendation:** Approve PPP

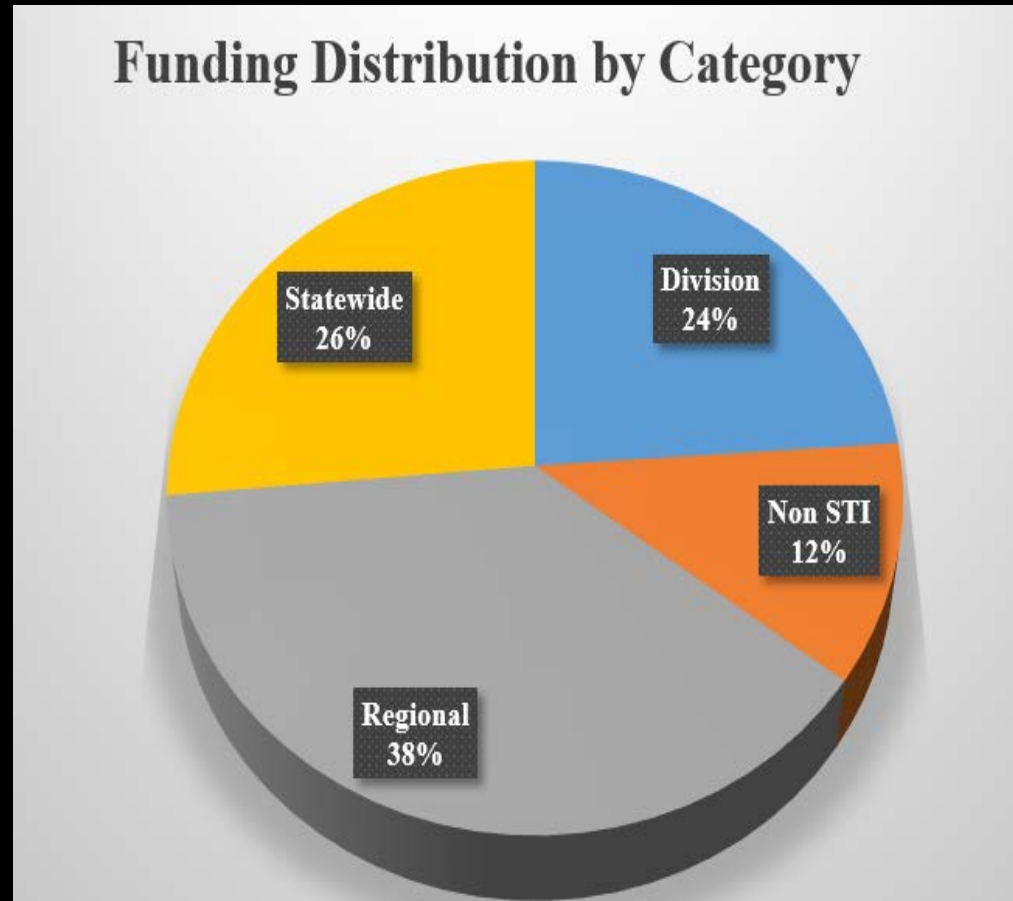
# FY 2024-2033 MTIP Approval

- ❖ Short-range document
- ❖ 10 Year program updated every 2 years
- ❖ MTIP must match the STIP
- ❖ MTIP includes
  - ✓ Listing of projects by mode
  - ✓ Descriptions, schedules, and funding source



# FY 2024-2033 MTIP Funding Overview

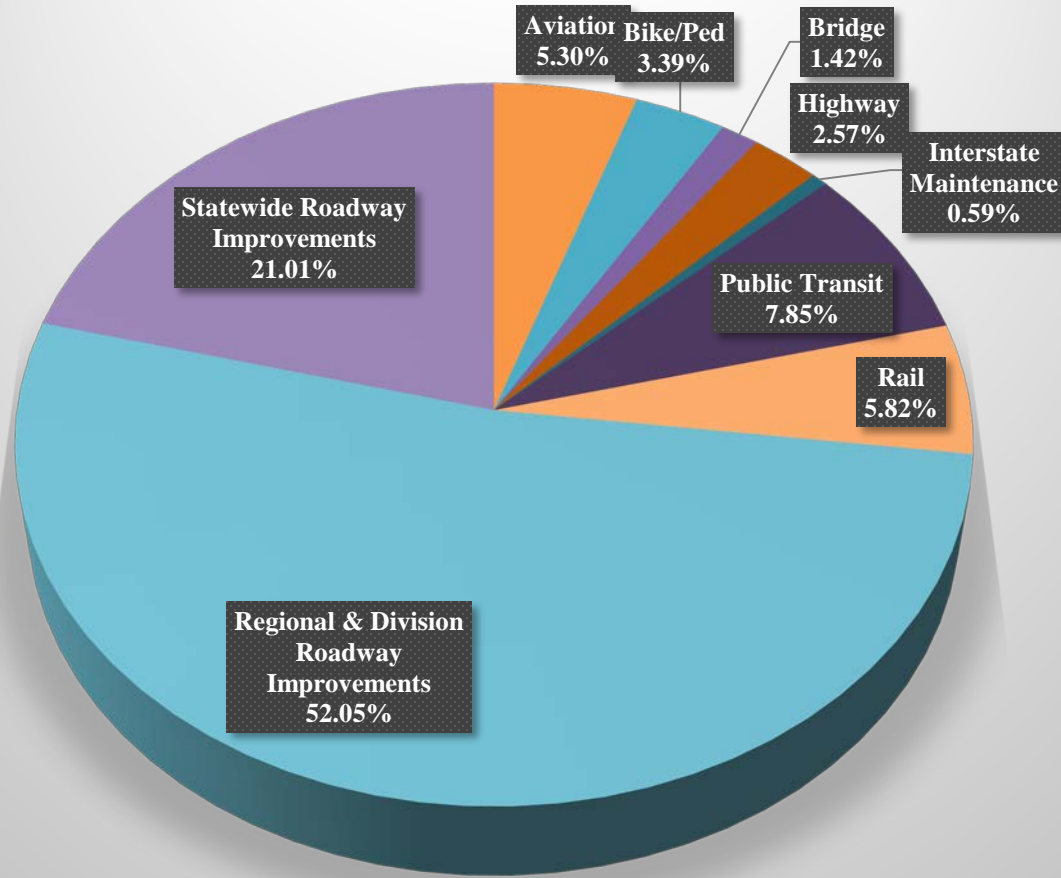
\$1,144,007,000





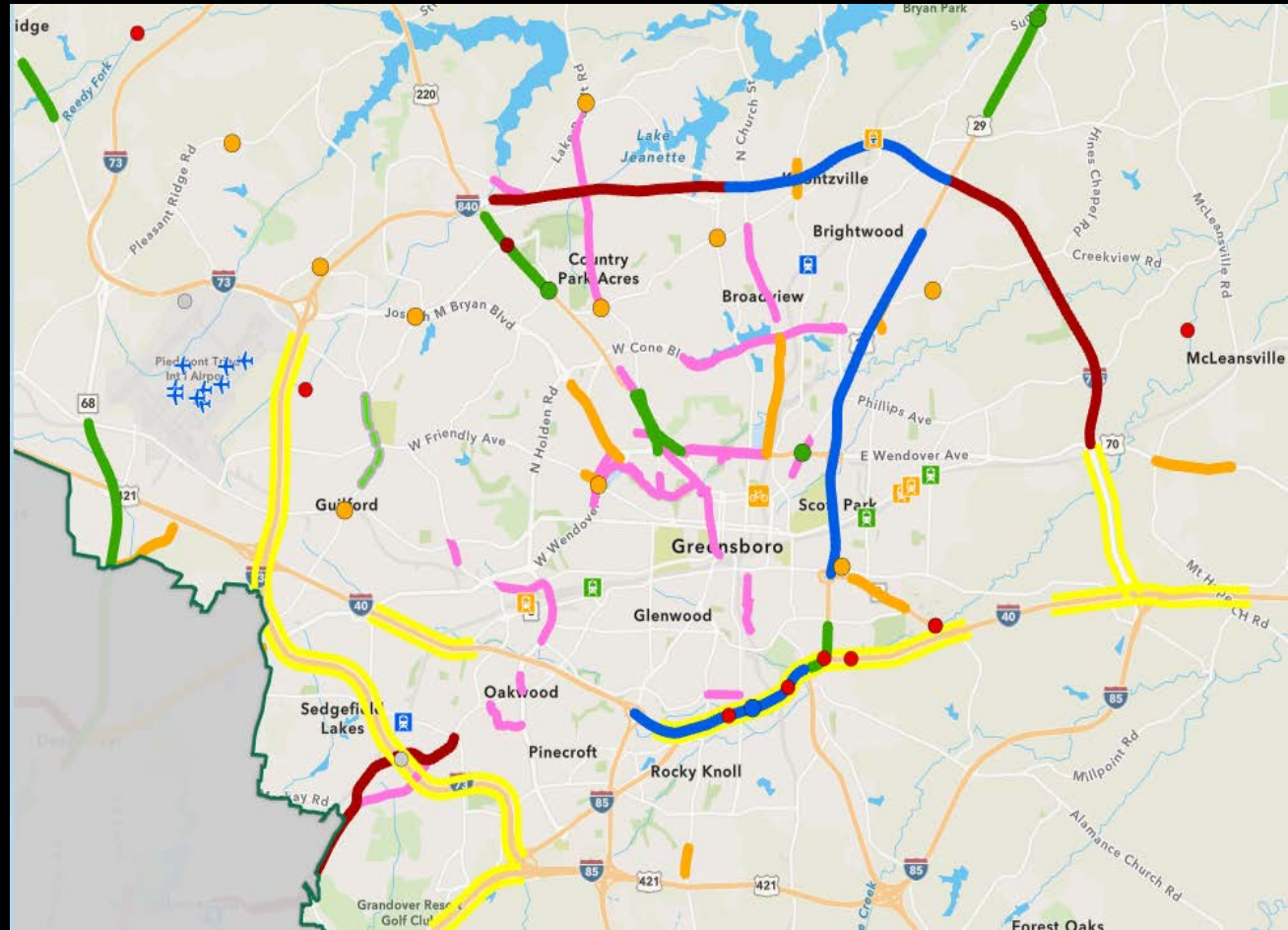
# FY 2024-2033 MTIP Funding Overview

Project Category Breakout



# FY 2024-2033 Project Highlights









- R-5889 (US 29/  
Future I-785)
- U-6100 (US 29  
Access  
Management)
- EB-5900  
(Summerfield  
Greenway)
- U-6108  
(Battleground  
Ave/ Lawndale)
- EB-6037C (A&Y  
Greenway)



# FY 2024-2033 Public Review Overview

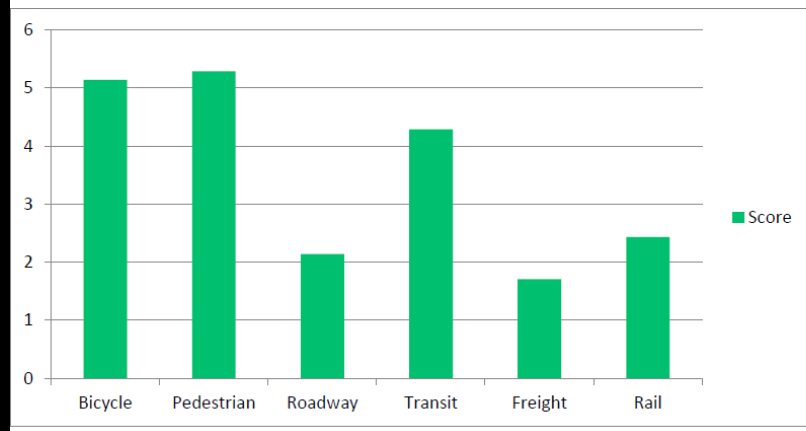
- ❖ Public Review Period
  - ✓ 30 day, ended Sept. 12
- ❖ Public Meeting
  - ✓ August 17, 12-1pm
  - ✓ 8 in attendance
- ❖ 7 Public Comments

## MTIP Chapters

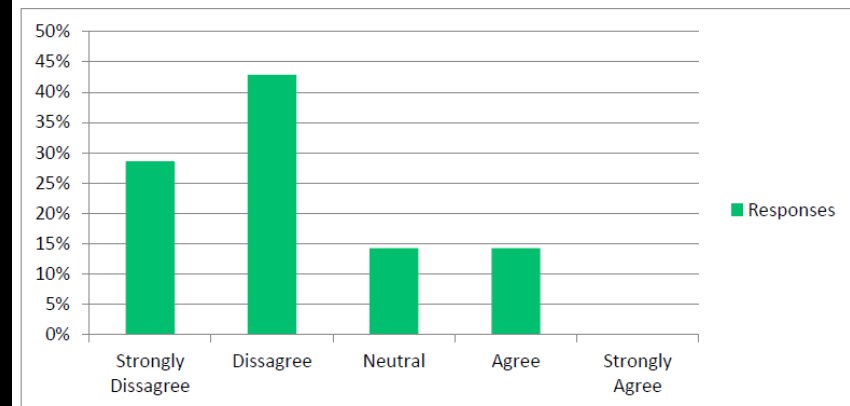
 <p>Chapter 1 About the MTIP</p> <p><a href="#">Explore</a></p>	 <p>Chapter 2 TIP Requirements &amp; Details</p> <p>State requirements for the TIP and for a majority of NCDOT's capital investment..</p> <p><a href="#">Explore</a></p>
 <p>Chapter 3 MTIP Investment Summary</p> <p>Surface Transportation Authorization Acts have been in continuous use to authoriz...</p> <p><a href="#">Explore</a></p>	 <p>Chapter 4 How to Read the MTIP</p> <p>GUAMPO 2024_2033 MTIP Map</p> <p><a href="#">Explore</a></p>
 <p>Highway Program</p> <p>Metropolitan Transportation Improvement Program FY 2024 - FY 2033Click the...</p> <p><a href="#">Explore</a></p>	 <p>Non-Highway Program</p> <p>GUAMPO</p> <p><a href="#">Explore</a></p>
 <p>Statewide Program</p> <p>Metropolitan Transportation Improvement Program FY 2024 - FY 2033</p>	 <p>Appendices</p> <p>If you have any comments, please send the email to...</p>

# FY 2024-2033 Public Comment Summary

Please rate each mode's importance on a scale of 1-6, with 1 being the most important?



Question: How well do you agree with the projects in the Draft MTIP?



- *Comments focused on bicycle and pedestrian infrastructure and safety*
  - *Identified needs on Gallimore Dairy Road*
  - *Identified needs for S. Holden Intersections*
- *Not supportive of roadway widening projects*

**Recommendation:** Adopt FY 2024-2033 MTIP

# MTIP Amendment & Modification: Statewide Projects

- Add 16 new projects to MTIP:
  - HM-9999: municipal bridge inspection
  - HS-2015 DIV/REG/SW:VRU safety
  - HS-2420 DIV/REG/SW: signal retiming
  - HS-2421 DIV/REG/SW: safety management program
  - HS-2422 DIV/REG/SW: highway safety data collection
  - SM-6215 DIV/REG/SW: school traffic analysis
- Amend & Modify: HO-0010B, M-556 and TO-0004

ID#	Description	Funding	Phase	Status
HO-0010B*	Statewide, Implement statewide traffic operations activities such as traffic management centers, traveler information, ITS, and traffic incident and event management	CMAQ	IMP	Add \$22.228M in FY 24, \$25.583M in FY 25, and \$26.765M in FY 26
		S(M)	IMP	Add \$6.557M in FY 24, \$7.396M in FY 25, and \$6.691M in FY 26
M-556	Advanced Right of Way Acquisition Account	T	R/W	Add \$1M in FY 24
TO-0004	Statewide, System safety oversight grant for NCDOT Rail Division	S	AD	Add \$600K in FY 24
		SSO	AD	Add \$1.8M in FY 24

# MTIP Modification: Aviation Projects



ID#	Description	Funding	Phase	Status
AV-5701	Runway 5R-23L extension program	T	CST	Shift CST from FY 23 to FY 24
		O	CST	Add \$19.5M in FY 24
AV-5707	Construct Taxiway G	T	CST	Shift CST from FY 23 to FY 25
		O	CST	Add \$15.4M in FY 25
AV-5715	Runway 5R-23L group VI upgrade	T	CST	Shift CST from FY 24 to FY 28
		O	CST	Add \$9.5M in FY 28
AV-5718	High speed Taxiway to Runway SR-23L	T	CST	Shift CST from FY 23 to FY 27
		O	CST	Add \$2.5M in FY 27
AV-5800	Taxiway J extension, Taxiway D to Taxiway J2	T	CST	Shift CST from FY 23 to FY 26
		O	CST	Add \$5.5M in FY 26
AV-5802	Construct northwest apron to increase capacity for future expansion	T	CST	Shift CST from FY 23 to FY 28
		O	CST	Add \$9.5M in FY 28

Action Business Other

**Recommendation: Modify MTIP**

# MTIP Amendment: Safety Projects

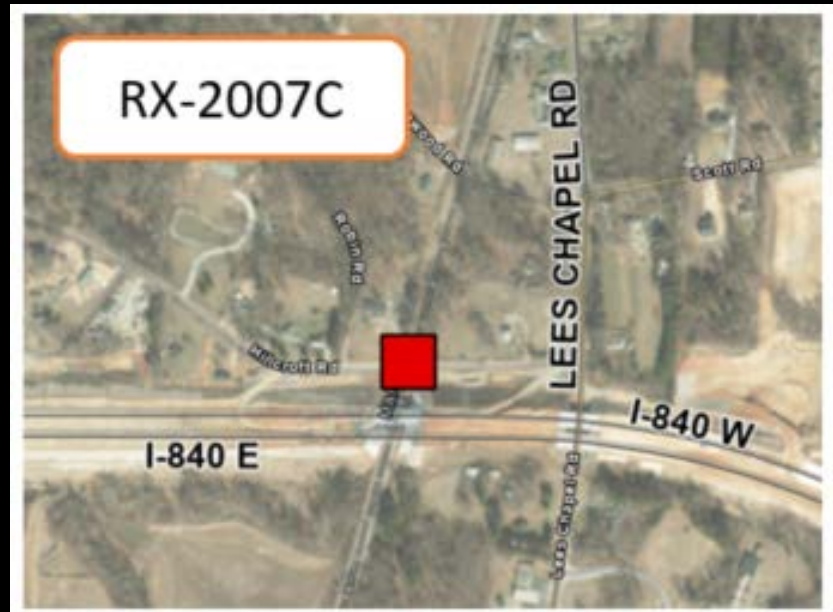


ID#	Description	Phase	Status
HS-2007G*	Construct directional crossover on US 29 at Lakeview Memorial Park Cemetery entrance	CST	Shift from FY 23 to FY 24
HS-2007I*	Improve intersection and turn lane, and install traffic signal at E. Gate City Blvd and I-40 Westbound ramps	UTL	Add \$5K in FY 25
		CST	Add \$725K in FY 26
W-5807A*	Modify channelization island and install traffic signal, pedestrian heads, and crosswalk at US 220 eastbound and Summit Ave ramp	CST	Shift HSIP funding from FY 23 to FY 24
		CST	Add VRU funding in FY 24

Action Business Other

**Recommendation: Amend MTIP**

# MTIP Amendment & Modification: Rail Projects



ID#	Description	Phase	Status
P-2918*	Piedmont Corridor, Train 74/75 operations between Charlotte and Raleigh, equipment and capital yard maintenance facility	CST	Shift from FY 23 to FY 24
P-5719C	Purchase and refurbish rail cars for Piedmont Service Expansion	CST	Shift from FY 23 to FY 24
P-5709	Construct grade separation at Franklin Blvd crossing and close O'Ferrell St crossing for Norfolk Southern H Line	CST	Increase funding by \$6.5M
Y-4807B*	Crossing closure at Lowdermilk St, Sykes Ave, and Pine St. Realignment at Lowdermilk St and Sykes Ave.	CST	Shift from FY 23 to FY 24
RX-2007C*	Install active warning devices on Hillcroft Rd at Norfolk Southern railroad crossing	CST	Shift from FY 23 to FY 24

Action Business Other

**Recommendation:** Modify & Amend MTIP



# MTIP Amendments & Modifications: Roadway Projects

ID#	Description	Phase	Status
HL-0046*	Modernize roadway, add curb and gutter, and construct sidewalks on	CST	Shift from FY 23 to FY 24
HL-0047*	Widen and modernize roadway, add curb and gutter, construct sidewalk on Yanceyville St from Lees Chapel Rd to I-840; construct sidewalk on Sands Dr from Cone Blvd to McKnight Mill Rd and on Old Battleground from Westridge Dr to British Lake Dr	R/W	Shift from FY 23 to FY 24
HL-0048*	Replace traffic signal and pedestrian signal at various intersection, construct accessible ramp	R/W & CST	Shift from FY 23 to FY 24
I-5955*	Rehab pavement on I-40 from South Buffalo Creek Bridge east of US 220 (Freeman Mill Rd) to east of E. Gate City Blvd	CST	Increase by \$2.6M
U-2525CA	Replace and upgrade overhead signs at Wendover Ave and US 29	ENG & CST	Add project and funding in FY 25
U-5841	Widen and improve intersections on Friendly Ave from west of Green Valley Rd to Lindell Rd	CST	Shift from FY 23 to FY 24
U-5842*	Improve intersection at Pisgah Church Rd and N. Elm St	PE	Add funding in FY 24
		R/W	Shift from FY 23 to FY 25
		CST	Shift from FY 24 to FY 26
U-5892	Add lanes on Battleground from Westridge Rd to Cotswold Ave	UTL	Shift from FY 23 to FY 24
		R/W	Shift from FY 23 to FY 25
		CST	Shift from FY 26 to FY 27

# MTIP Amendment: Pedestrian & Bicycle Projects

ID#	Description	Phase	Status
BL-0041*	Repair Surfaces on Lake Daniel Greenway & Latham Park Greenway	CST	Shift from FY 23 to FY 24
BL-0042*	Construct greenway and sidepath on Vance Arlington Greenway	CST	Shift from FY 23 to FY 25
EB-5877*	Construct sidewalks on Farmington Dr from Holden Rd to W. Gate City Blvd	CST	Shift from FY 23 to FY 24
EB-5878*	Construct sidewalks on W. Meadowview Rd from S. Elm-Eugene St to Randleman Rd	CST	Shift from FY 23 to FY 24
EB-5883*	Construct sidewalks on Wendover from Grecale St to N. Church and	R/W & CST	Shift from FY 23 to FY 24
EB-5985*	Construct sidewalk on Cone Blvd from US 29 to St. Regis Rd	R/W & CST	Shift from FY 23 to FY 24
EB-5986*	Construct sidepath of Benjamin Parkway	R/W	Shift from FY 23 to FY 24
		CST	Shift from FY 24 to FY 25
EB-5995*	Constructs sidewalks on Lawndale Dr from Pisgah Church Rd to Lake Brandt Rd	R/W	Shift from FY 23 to FY 24
U-5532F*	Construct sidewalk and ADA ramps on Holden Rd (3 segments), and	CST	Shift from FY 23 to FY 24
U-5532G*	Construct sidewalk and ADA ramps on Four Seasons Blvd, Summit Ave, Pear St, and Byers Rd	CST	Shift from FY 23 to FY 24
U-5532H*	Construct sidewalk and ADA ramps on Seminole Dr, Whippoorwill, and Bessemer Ave	CST	Shift from FY 23 to FY 24
U-5532I*	Construct sidewalk and ADA ramps on Holden Rd, Cotswold Ave, Greenbriar Rd, and Swing Rd	R/W & CST	Shift from FY 23 to FY 24

Action Business Other

**Recommendation: Amend MTIP**

# Prioritization 7.0 Process Approval

## MPO Recommended Project List

- ✓ **Step 1:** *Identification of Candidate Projects – now through June*
- ✓ **Step 2:** *Evaluation of Candidate Projects – July-September*
- ☐ **Step 3:** *Submittal of Local Projects to NCDOT – ~~Sept 20~~ October 27*
- ☐ **Step 4:** *Assignment of Local Points*
- ☐ **Step 5:** *Public Involvement*
- ☐ **Step 6:** *Submittal of Local Inputs to NCDOT*

# P 7.0 Project Submittals

## Step One: Identification of Candidate Projects

### ❖ Received Projects from:

- ✓ City of Greensboro – Roadway, BiPed, and Transit Projects
- ✓ Town of Oak Ridge- Intersection Project
- ✓ Town of Pleasant Garden- Roadway, BiPed, and Rail Projects
- ✓ Town of Sedalia- Complete Street Project
- ✓ Town of Summerfield- Intersection Projects
- ✓ PTIA- Rail and Aviation

## Step Two, Three: Submittal of Local Projects to NCDOT

- ❖ Roadway **21**
- ❖ Rail **10**
- ❖ Bicycle & Pedestrian **23**
- ❖ Aviation **5**
- ❖ Public Transportation **TBD (8)**

# MPO Projects for P7.0 Submittal



## 2026-2035 Recommended Project List

Prioritization 7.0 Process

GUAMPO | September 20, 2023

# P 7.0 Public Review Overview

- ❖ Public Review Period
  - ✓ 30 day, ended Sept. 12
- ❖ Public Meeting
  - ✓ August 17, 12-1pm
  - ✓ 8 in attendance
- ❖ 23 Public Comments

## Public Input Information

Interested persons were invited to review the Draft 2026-2035 Recommended Project List between August 10 and September 12.

### PUBLIC INPUT MEETING

A hybrid in-person / online Public Meeting was held on Thursday, August 17 from 12-1pm at the Greensboro City Hall. To see the comments at the meeting please review the video on the right.



Public Meeting Draft 2024 2033 MTIP P 7 0 Recommended Project List

### HOW COMMENTS WERE SUBMITTED

Interested persons were able to submit public comments via

- **Online Survey:** [Recommended Project List Survey](#)
- **Email:** [Craig.mckinney@greensboro-nc.gov](mailto:Craig.mckinney@greensboro-nc.gov)
- **Mail:** Attention: Craig McKinney | Greensboro Department of Transportation, P.O. Box 3136, Greensboro, NC 27402-3136

### PUBLIC OUTREACH EXECUTIVE SUMMARY

[Public Comments Summary](#)

# Public Comments

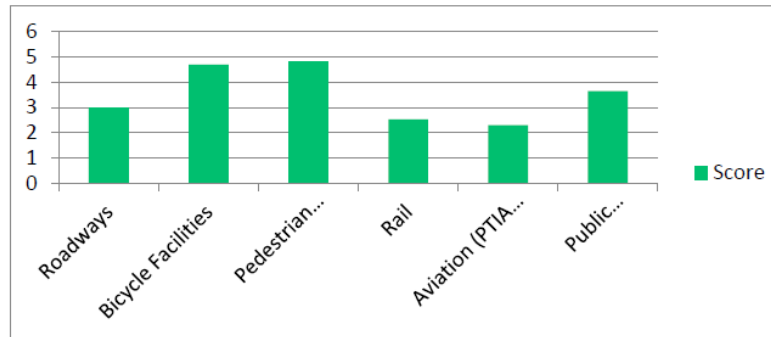
## Summary of Comments

- The greatest need identified was the construction of bike lanes, followed by improving pedestrian safety by providing sidewalks and making the transportation infrastructure safer.
- The most important projects identified included the A&Y Greenway for sections going north and south into downtown. Roadway and transit projects were also mentioned including the Battleground Avenue and Wendover interchange reconfiguration as well as transit route and stops improvements.

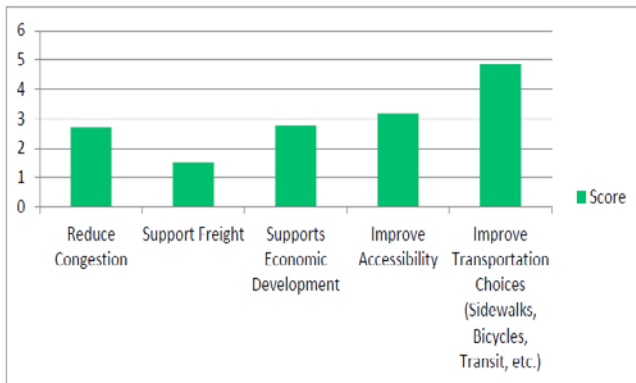
# Public Comments (cont.)

## Summary of Comments

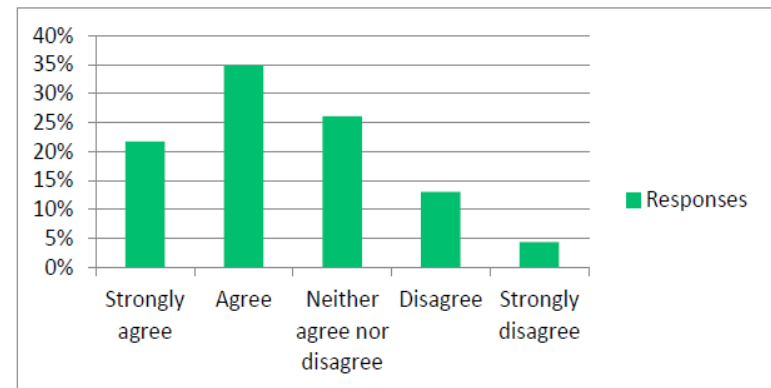
**Question:** Please rank the following modes importance to you using a scale of 1-6, with 1 being the most important.



**Question:** Please rank the following factor's importance to you using a scale of 1-5, with 1 being the most important.



**Question:** Do you agree with the Recommended Project List? Please choose one.





# Prioritization 7.0 Approval

## Schedule

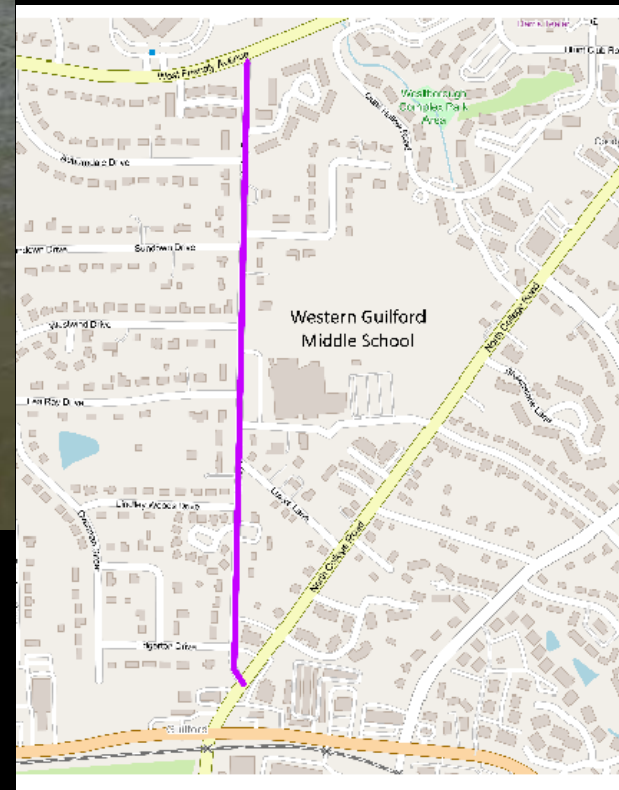
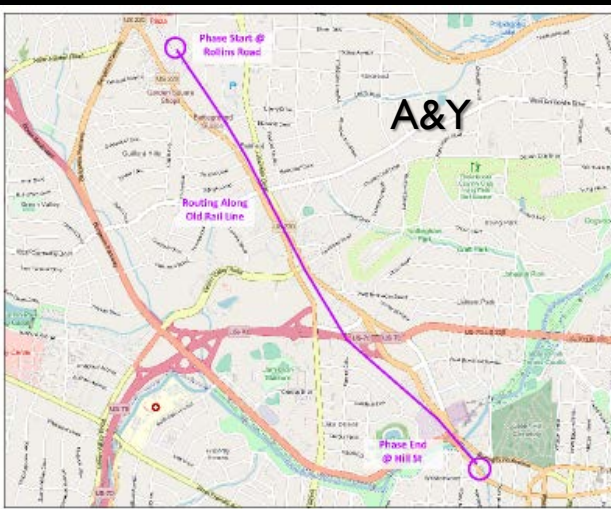
### Prioritization 7.0 Timeline

<b>Phase I: Identify Candidate Projects</b>	<b>Dates</b>
MPO call for projects*	May-July 10, 2023
MPO Evaluation of Candidate Projects	July- August 2023
MPO Review of Candidate Projects	August 9, 2023
Public Review	Aug. 10-Sept. 12, 2023
MPO Approval of Identified Projects	September 20, 2023
MPO Submittal to NCDOT	October 27, 2023
NCDOT Evaluation and Scoring of Projects	October 2023- March 2024
Release of P7.0 Quantitative Scores & Draft Funded Statewide Projects	Late April 2024
<b>Phase II: Assign Points &amp; Final Rankings</b>	<b>Dates</b>
MPO Analysis and Local Input Points	May-July 2024
MPO Priority Project List	May 2024
Public Review (including Local Input Points)	May 13-June 13, 2024
MPO Approval of Regional & Division Tier projects	June 2024
MPO Submittal of Regional Projects to NCDOT	July 2024
Draft Programmed Regional Projects	Late August 2024
MPO Submittal of Division Project to NCDOT	November 2024
2026-2035 Draft STIP Released	February 2025

**Recommendation:** Approve P 7.0 Recommended Project List

Action    Business    Other

# Funding Recommendation & MTIP Amendment: A&Y Greenway & Lindley Road



ID#	DESCRIPTION	STATUS	FUNDS	SECTION	FY 2024	FY 2025
BL-0116	A&Y Greenway Extension: Hill Street to Rollins Road	New	BGANY	PE	\$1,750,000	
		New	L	PE	\$ 350,000	
BL-0117	A&Y Greenway Bridge Replacement at Lake Brandt	New	BGANY	PE	\$ 88,000	
		New	L	PE	\$ 22,000	
		New	BGANY	CST		\$1,942,200
		New	L	CST		\$ 485,550
HL-0126	Lindley Road Modernization	New	BGANY	PE	\$ 8,000	
		New	L	PE	\$ 2,000	
		New	BGANY	CST	\$1,835,400	
		New	L	CST	\$ 458,850	

**Recommendation:**  
Amend MTIP

# CMAQ Funding Recommendation & MTIP Amendment: New GTA Route | Cross Town Service

- MPO directs CMAQ allocations made available by NCDOT
- CMAQ eligibility limited to air quality beneficial projects
- CMAQ is the only federal program eligible to support new service operating grants
- CMAQ funding recommended for new GTA Route connecting GTCC-G, NCA&TSU, downtown, UNCG & Wendover/ Bridford
- This will be GTA's first crosstown route and first route with 15 minute frequencies during the day

ID#	DESCRIPTION	STATUS	FUNDS	FY 2024
<u>TL-1001</u>	<u>GTA New Crosstown Frequent Service: New Route 1</u>	<u>New</u>	<u>CMAQ</u>	<u>\$ 5,904,996</u>
		<u>New</u>	<u>CRP</u>	<u>\$ 239,004</u>
		<u>New</u>	<u>L</u>	<u>\$ 1,536,000</u>

# Business Items

**September 18, 2023**

*Action Business Other*

# Project Updates

*Action Business Other*

# Division 7 Report



Action Business Other

# Locally Administered Project Updates

# Recent and Pending Bid Openings

## **Downtown Greenway, Phase 4 - Contract 2015-0030 (EB-6037C)**

Bids were opened August 15, 2023 - Yates Construction was apparent low bidder  
Council approval to be requested September 19, 2023, NCDOT has given verbal approval  
Work should begin in October 2023 with a completion date of December 2024

## **Murrow Boulevard Bridge Repairs - Contract 2021-011 (EL-5101DR)**

Bids were opened June 29, 2023 - Smith Rowe was apparent low bidder  
Council has approved bid and NCDOT has provided concurrence  
Work should begin in January 2024 with a completion date of December 2024



# Recent and Pending Bid Openings

## **General Sidewalk Improvements - Contract 2015-104 (U-5532E)**

Revised plans and specifications have been approved by the NCDOT  
July 31 bid opening was delayed due to less than three bids, rebid August 21  
Contract includes sidewalks on Hornaday Rd., Bridford Pkwy, Big Tree Way, and Hewitt St.  
Work should begin in October 2023 with a completion date of September 2024

## **Davie Street Streetscape - Contract 2018-051A**

Revised plans and specifications are under final review  
Contract should be advertised in October 2023 with a bid opening in November 2023  
Work should begin in December 2023 with a completion date of March 2025  
Projects limits are from E. McGee St. to north of E. Friendly Ave.

# Current Construction Projects

## **Alamance Church Road Improvements - Contract 2011-0670**

Construction is approximately 70% complete for the project

All water and sanitary sewer work is complete

Widening is being installed in areas where utility installations are complete

Paving by late fall, with construction expected to be completed by spring 2024

## **Eugene & Bellemeade Streetscape - Contract 2020-0180**

Utility installations on Bellemeade Street East are complete

All paving on Bellemeade East is complete except final surface

Eugene St. Streetscape to begin September 25

Eugene St. Streetscape work projected to take until December 31

# Current Construction Projects



Alamance Church Road

*Action*   *Business*   *Other*

# Current Construction Projects



Alamance Church Road

Action Business Other

# Current Construction Projects



Bellemeade Street

*Action*   *Business*   *Other*

# Current Construction Projects

## **Summit Avenue Streetscape - Contract 2018-0200**

Phase 1 is complete except for change order for storm sewer work

Phase 2 is complete

Contractor is working on punch list items and plant replacement in early October

## **Greene Street Streetscape - Contract 2018-0480**

Storm sewer installation work has begun near Bellemeade Street

Exploratory work is being done now to begin waterline installation

The completion date is approximately December 2024

Projects limits are from Washington St. to Bellemeade St.

# Strategic Reports

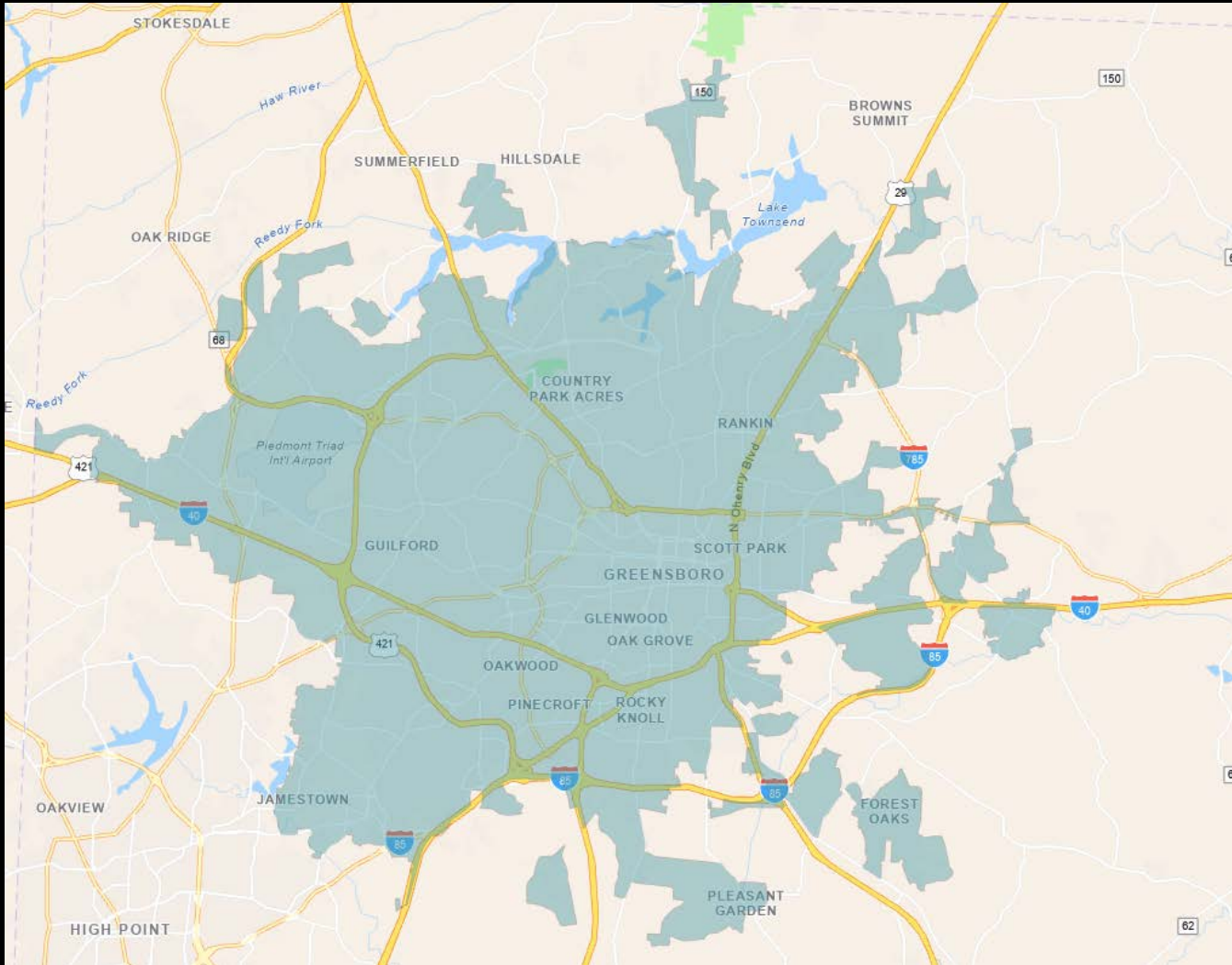
*Action Business Other*

## Smoothed Urban Area Boundary

- Every decade, the MPO is required to adopt a smoothed UZA boundary for FHWA functional classification purposes (rural vs. urban).
- This smoothed boundary is meant to simplify the complex geography of UZAs, by smoothening the boundaries and extending them to include roads that have an urban character.
- The MPO is working with FHWA, NCDOT, and neighboring jurisdictions to create the smoothed UZA and will present the final version at the next TCC meeting.



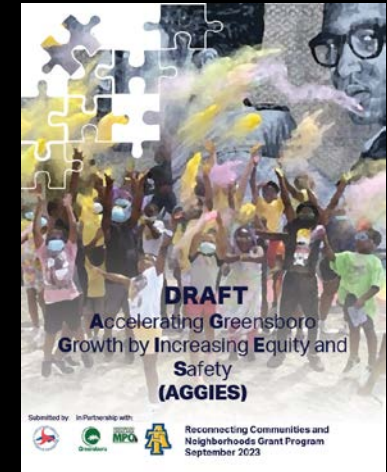
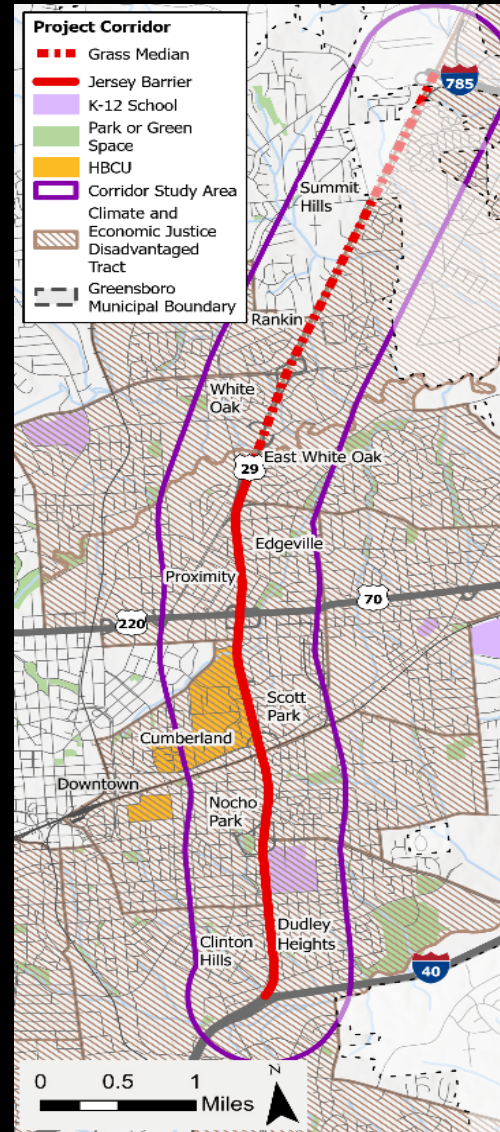
# Smoothed Urban Area Boundary



- Greensboro's UZA is irregular in shape
- The Smoothed UZA will help "smooth" out the jagged boundary

# Reconnecting Communities and Neighborhoods Grant Program

- ❖ Partnering with NCDOT, GDOT, and NC A&T University
- ❖ Requesting funding for Planning Study for US 29
- ❖ Community Engagement
- ❖ Due September 28



- ✓ Prioritizing disadvantaged communities
- ✓ Aiming to improve access
- ✓ Fostering equitable development and restoration;
- ✓ Reconnecting communities by removing, retrofitting, or mitigating transportation related barriers

# Other Items

1. Member Updates
2. Wrap up

*Next TCC meeting date: November 6 at 2:00 PM*

# Greensboro Urban Area MPO



Technical Coordinating Committee  
September 18, 2023