

# Greensboro Urban Area MPO



**Technical Coordinating Committee  
May 8, 2023**

# Zoom Platform Basics



# Attendee Verification

# Action Items

**May 8, 2023**

*Action Business Other*

# Technical Coordinating Committee

## Meeting Minutes of March 13, 2023

2:00 PM, Greensboro, NC

Zoom Online Virtual Meeting

### Attendance

Tyler Meyer	<i>TCC Chair</i>	Mark Kirstner	<i>PART</i>
Gray Johnston	<i>MPO Staff</i>	Jason Geary	<i>GSO E&amp;I</i>
Yuan Zhou	<i>MPO Staff</i>	Elizabeth Jernigan	<i>GSO P&amp;R</i>
Tram Truong	<i>MPO Staff</i>	Kelly Larkins	<i>GSO Planning Dept.</i>
Raunak Mishra	<i>MPO Staff</i>	Stephen Robinson	<i>NCDOT Div. 7</i>
Craig McKinney	<i>MPO Staff</i>	Todd Meyer	<i>NCDOT Rail</i>
Lydia McIntyre	<i>MPO Staff</i>	Alex Rotenberry	<i>NCDOT IMD</i>
Deniece Conway	<i>MPO Staff</i>	Michael Abuya	<i>NCDOT TPB</i>
Hanna Cockburn	<i>GDOT Director</i>	Leah Weaver	<i>WSP</i>
Chris Spencer	<i>GDOT/Engineering</i>	Scott Whitaker	<i>Summerfield</i>
Suzette Morales	<i>FHWA</i>	George Linney	<i>GTA</i>
Dawn Vallieres	<i>PTRC</i>	Nathaneal Moore	<i>GSO Field OPS</i>

# MTIP Amendment & Modification: Statewide Projects

ID#	Description	Phase	Status
M-556*	Advanced Right of Way Acquisition Account	R/W	Add project to MTIP and add \$5M in FY 23 and \$1M in FY 24
TA-6665	Statewide, 5311 capital projects for rural areas	Capital	Add \$30M in FY 23 and \$60M in FY 24
TC-0020	Statewide, 5339 small urban	Capital	Add \$1.45 M in FY 23 and \$2.8M in FY 24
TC-0021	Statewide, 5339 statewide rural	Capital	Add \$27.625M in FY 23 and \$10.4M in FY 24
TL-0032	Statewide, community project funding for the city of Wilson ride microtransit expansion	Capital	Add project to MTIP and add \$2.5M in FY 23
TM-0027	Statewide, 5311 administrative funds for FTA grants	Admin	Add \$19.284M in FY 23 and \$32.4M in FY 24
TM-0028	Statewide, 5311 operating funds for FTA grants	Operation	Add \$1.294M in FY 23 and \$14.2M in FY 24
TM-0031	Statewide, RTAP statewide funds for FTA grants	Admin	Add \$698k in FY 23 and \$650k in FY 24
TU-0011	Statewide, support technical assistance	Planning	Add \$1.7M in FY 23
TU-0016	Statewide, planning for transit system management	Planning	Increase funding to \$3M in FY 23 and \$1.25M in FY 24

Action Business Other

**Recommendation:** Amend & Modify MTIP

# MTIP Amendment & Modification: MPO Area Roadway Projects

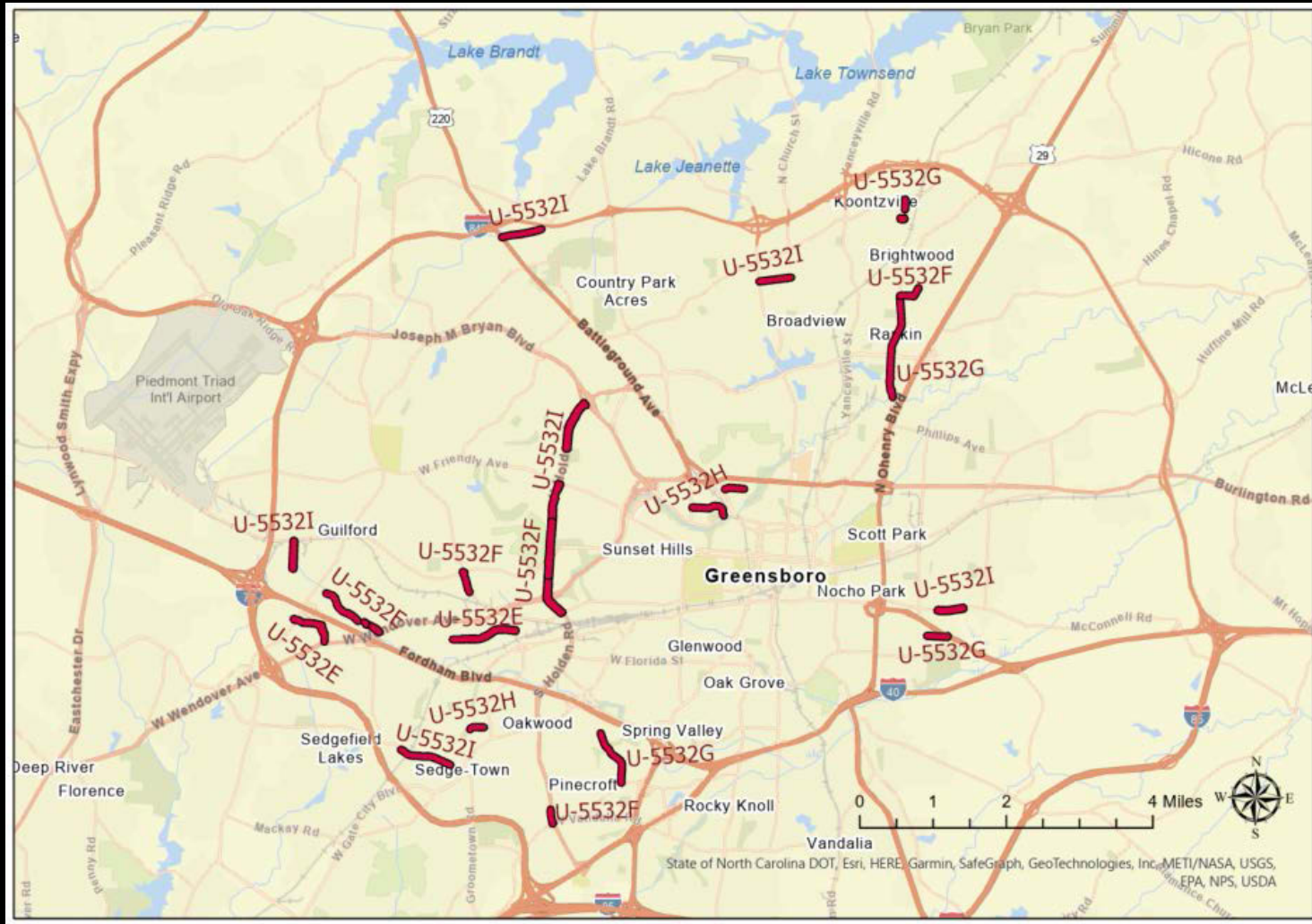


ID#	Description	Phase	Status
I-5955A	Rehab 14 bridges on I-40, S. Buffalo Creek Bridge East of US 220 (Freeman Mill Road) to East of E. Gate City Blvd	CST	Add project and funding in FY 24, FY 25, and FY 26
HS-2007G*	Construct directional crossover on US 29 at Lakeview Memorial Park Cemetery entrance	CST	Add project and funding in FY 23

Action Business Other

**Recommendation:** Amend & Modify MTIP

# MTIP Amendment: Grouped BiPed Projects

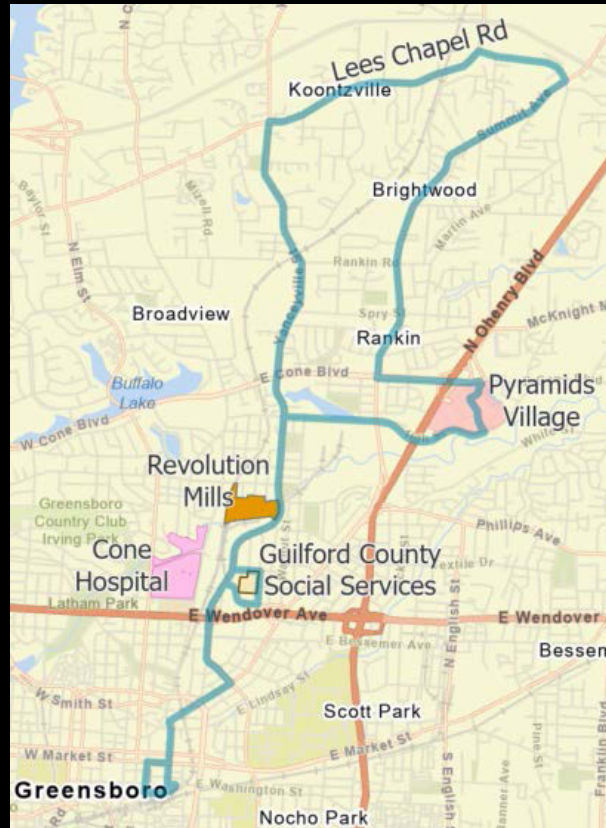




# MTIP Amendment: Grouped BiPed Projects

ID #	DESCRIPTION	STATUS	FUNDS	PHASE	FY 2023
U-5532E*	Construct sidewalk and ADA ramps on Big Tree Way, Shelby Dr, Hewitt St, and Bridford Pkwy	Add	TADA	CST	\$1,949,000
			L	CST	\$487,000
U-5532F*	Construct sidewalk and ADA ramps on Holden Rd (3 segments), and Rankin Rd/ Martin Ave	Add	TADA	CST	\$1,518,000
			L	CST	\$380,000
U-5532G*	Construct sidewalk and ADA ramps on Four Seasons Blvd, Summit Ave, Pear St, and Byers Rd	Add	TADA	CST	\$920,000
			L	CST	\$230,000
U-5532H*	Construct sidewalk and ADA ramps on Seminole Dr, Whippoorwill, and Bessemer Ave	Add	TADA	CST	\$536,000
			L	CST	\$134,000
U-5532I*	Construct sidewalk and ADA ramps on Holden Rd, Cotswold Ave, Greenbriar Rd, and Swing Rd	Add	TADA	PE	\$65,000
			L	PE	\$16,000
			TADA	R/W	\$320,000
			L	R/W	\$80,000
			TADA	CST	\$934,000
			L	CST	\$234,000

# MTIP Administrative Modification CMAQ Funding



ID #	DESCRIPTION	STATUS	FUNDS	PHASE	FY 2023	FY 2024
TL-0026	GTA Route 15 New Service	Current	CMAQ	CP		\$ 1,450,044
			L	CP		<del>\$ 362,511</del>
TL-0026	GTA Route 15 New Service	Change	CMAQ	CP	<u>\$ 1,450,044</u>	
			L	CP	<u>\$ 362,511</u>	

Action Business Other

**Recommendation:** Administrative Modify MTIP

# 2023 Section 5310 Award and MTIP Modification

- Call for projects from 3/8 to 4/7/2023
- Available funding for projects: \$363,535
- 2 applications were received: GTA and TAMS
- Reviewed and scored from Winston Salem MPO and Greensboro MPO: GTA: 30.2; TAMS: 29.7

Section 5310 Project	Amount Requested	Recommended Funding Awards
Guilford County TAMS – Operating assistance	\$20,000	\$20,000
Expand Access GSO hours – GTA – Capital expense	\$343,535	\$343,535
Total Funding Request	\$363,535	\$363,535
Amount Available	\$363,535	\$363,535

# 2023 Section 5310 Award and MTIP Modification

ID #	DESCRIPTION	STATUS	FUNDS	SECTION	FY 2022	FY 2023	FY 2024
TO-6139	Section 5310 Operating	Current	FEPD	5310	\$ 17,500	<del>\$ 17,500</del>	
			L		\$ 17,500	<del>\$ 17,500</del>	
		Change	FEPD	5310		\$ 20,000	\$ 20,000
			L			\$ 20,000	\$ 20,000
TQ-6783	Section 5310 Capital Project	Current	FEPD	5310	\$ 347,705	<del>\$ 347,705</del>	
			L		\$ 86,926	<del>\$ 86,926</del>	
		Change	FEPD	5310		\$ 343,535	\$ 343,535
			L			\$ 85,884	\$ 85,884
TQ-7000	Section 5310 Program Administrantion	Current	FEPD	5310	\$ 40,578	<del>\$ 40,578</del>	
		Change	FEPD	5310		\$ 40,393	\$ 40,393

Action Business Other

**Recommendation:** Modify MTIP

# Resolutions of Support: GTA requests for NCDOT Grant Matching & Microtransit Study

## RESOLUTION OF SUPPORT FOR GTA'S GRANT APPLICATION FOR NCDOT'S MICROTRANSIT FEASIBILITY STUDY

A motion was made by TAC Member \_\_\_\_\_ and seconded by TAC Member \_\_\_\_\_ for the adoption of the following resolution, which upon being put to a vote was duly adopted.

**WHEREAS**, NCDOT'S Integrated Mobility Division (IMD) called for grant applications for a 100% NCDOT funded Microtransit Feasibility Study due on May 5, 2023; AND

**WHEREAS**, The Feasibility Study grant will fund planning and analysis for potential integration of microtransit service into existing transit operations; AND

**WHEREAS**, Microtransit is an emerging service option for transit agencies. The service involves an on-demand transportation solution, similar to Uber and Lyft services, that is flexible and responsive to the real-time demand of transit riders; AND

**WHEREAS**, the Greensboro Urban Area MPO and the Greensboro Transit Agency are in the beginning stages of an updated Long Range Transit Plan that will explore high-level concepts for alternative mobility solutions, and will need to study in depth the operational integration of On-Demand and Microtransit solutions to implement any such service; AND

**WHEREAS**, GTA has many requests for service beyond the current fixed route network's service area and On-Demand/Microtransit solutions may enable GTA to reach these locations; AND

**WHEREAS**, to implement new service models IMD's staff capacity can help GTA with public and stakeholder engagement and surveys, funding mechanisms & capital needs analysis, evaluation of "turnkey" (Mobility as a Service) vs Software as a Service (SaaS), software and technology needs and procurement guidance, recommendations for service options (service zones, schedules, fixed-route replacement, driver and vehicle estimates, etc.); AND

**NOW THEREFORE**, be it resolved, that the Greensboro Urban Area Metropolitan Planning Organization hereby supports GTA's grant application for NCDOT Microtransit Feasibility Study.

## RESOLUTION AUTHORIZING THE CITY OF GREENSBORO TO ENTER INTO AGREEMENT WITH NCDOT FOR TRANSIT FUNDS

A motion was made by TAC Member \_\_\_\_\_ and seconded by TAC Member \_\_\_\_\_ for the adoption of the following resolution, which upon being put to a vote was duly adopted.

**WHEREAS**, Article 2B of Chapter 136 of the North Carolina General Statutes and the Governor of North Carolina have designated the North Carolina Department of Transportation (NCDOT) as the agency responsible for administering federal and state public transportation funds; AND

**WHEREAS**, the North Carolina Department of Transportation will apply for a grant from the US Department of Transportation, Federal Transit Administration and receives funds from the North Carolina General Assembly to provide assistance for rural public transportation projects; AND

**WHEREAS**, the purpose of these transportation funds is to provide grant monies to local agencies for the provision of rural, small urban, and urban public transportation services consistent with the policy requirements of each funding source for planning, community and agency involvement, service design, service alternatives, training and conference participation, reporting and other requirements (drug and alcohol testing policy and program, disadvantaged business enterprise program, and fully allocated costs analysis); AND

**WHEREAS**, the funds applied for may be Administrative, Operating, Planning, or Capital funds and will have different percentages of federal, state, and local funds; AND

**WHEREAS**, non-Community Transportation applicants may apply for funding for "purchase-of-service" projects under the Capital Purchase of Service budget, Section 5310 program; AND

**WHEREAS**, City of Greensboro hereby assures and certifies that it will provide the required local matching funds; that its staff has the technical capacity to implement and manage the project(s), prepare required reports, obtain required training, attend meetings and conferences; and agrees to comply with the federal and state statutes, regulations, executive orders, Section 5333 (b) Warranty, and all administrative requirements related to the applications made to and grants received from the Federal Transit Administration, as well as the provisions of Section 1001 of Title 18, U. S. C.; AND

**WHEREAS**, the applicant has or will provide all annual certifications and assurances to the State of North Carolina required for the project; AND

**NOW THEREFORE**, be it resolved, be it resolved that the City Manager of the City of Greensboro is hereby authorized to submit grant application (s) for federal and state funding in response to NCDOT's calls for projects, make the necessary assurances and certifications and be empowered to enter into an agreement with the NCDOT to provide rural, small urban, and urban public transportation services.

# Approval of GTA Zero Emissions Fleet Transition Plan - April 2023 Edition

## RESOLUTION APPROVING THE GREENSBORO TRANSIT AGENCY'S ZERO EMISSION FLEET TRANSITION PLAN

A motion was made by TAC Member \_\_\_\_\_ and seconded by TAC Member \_\_\_\_\_ for the adoption of the following resolution, which upon being put to a vote was duly adopted.

**WHEREAS**, the Greensboro Urban Area Metropolitan Planning Organization's (GUAMPO) Metropolitan Transportation 2045 Plan's vision is to develop and maintain a safe, efficient, and environmentally compatible transportation system that provides convenient choices for accessing destinations throughout the Greensboro Metropolitan Area and the Triad, including well-integrated, connected public transportation, pedestrian, and bicycle networks in a manner reflective of new trends in how people and goods move ; AND

**WHEREAS**, whereas the Greensboro Transit Agency (GTA) established a goal to transition its fleet to 100% zero emission vehicles by 2040; AND

**WHEREAS**, GTA's fleet transition is underway with 17 battery electric buses and associated charging infrastructure, 24 diesel buses, 11 hybrid-electric, 47 gasoline paratransit vans; AND

**WHEREAS**, GUAMPO and GTA developed a baseline Zero Emission Fleet Transition (ZEFTP) completed in early April that estimates GTA's current fleet will be transitioned by 2035, and analyzes how to optimize the existing battery electric bus fleet's capacity with new charging infrastructure and scheduling techniques; AND

**WHEREAS**, GUAMPO and GTA will update the ZEFTP in the fall of 2023 in coordination with GTA's new Long-Range Transit Plan to analyze fleet and charger expansion needs in relation to new and improved routes; AND

**WHEREAS**, the City of Greensboro adopted a Strategic Energy Plan on December 20, 2020 committed to reducing greenhouse gas emissions from city government operations by at least 40 percent from estimated 2005 levels by 2025; AND

**WHEREAS**, The Strategic Energy Plan recommends the City's vehicle fleet, including GTA's, transition to zero emission vehicles by 2040; AND

**WHEREAS**, the Federal Transit Administration provides significant annual funding to GTA, and requires public transportation operators to provide a Zero Emission Fleet Transition Plan to maintain eligibility in federal discretionary funding programs through the Federal Transit Administration (FTA); AND

**WHEREAS**, GTA was awarded discretionary funding from the FTA for battery electric buses and charging infrastructure, which are pending procurement to await approval of GTA's baseline Zero Emission Fleet Transition Plan; AND

**NOW THEREFORE**, be it resolved, that the Greensboro Urban Area Metropolitan Planning Organization hereby approves GTA's baseline Zero Emission Fleet Transition Plan (dated April 2023) on this day May 10, 2023.

**Zero Emission Fleet Transition Plan**

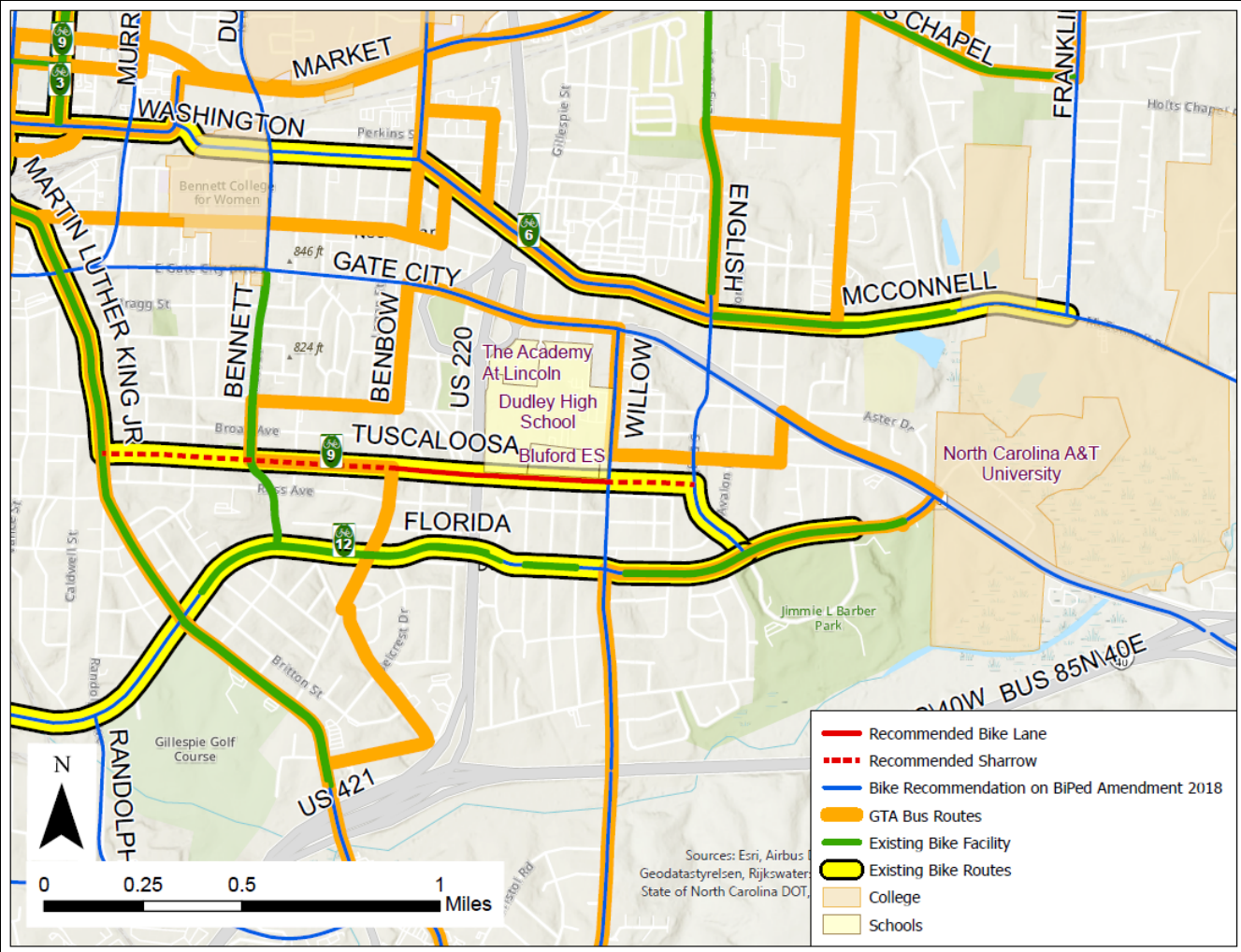
APRIL 2023

PREPARED BY **Planning Communities**

**MGL**  
Microgrid Labs

INTERNATIONAL TRANSPORTATION LEARNING CENTER

# MTIP Resolution for BiPed Plan Administrative Modification



Action Business Other

**Recommendation:** Administrative Modify MTIP

# Thoroughfare & Collector Street Plan Adoption

## Why Update?

- Combine the Thoroughfare Plan and Collector Street Plan
- Consistent with the 2045 Metropolitan Transportation Plan
- Updates reflect:
  - ✓ Construction of previously planned roadways
  - ✓ Removal of planned facilities that are infeasible or unneeded
  - ✓ Shifting of alignments due to development activity or environmental constraints
  - ✓ Revisions of the classification of a facility



# Thoroughfare & Collector Street Plan Adoption

## How is the plan used?

- Implementation document for the land development ordinance of MPO member jurisdictions
- Establish appropriate street design standards including:
  - \*width
  - \*cross section
  - \*access
  - \*sidewalks
  - \*bicycle accommodations
  - \*transit shelter locations
- Obtain or protect needed right-of-way in the land development process
- Exact location of collector and thoroughfares are determined during site development process

# Thoroughfare & Collector Street Plan Adoption

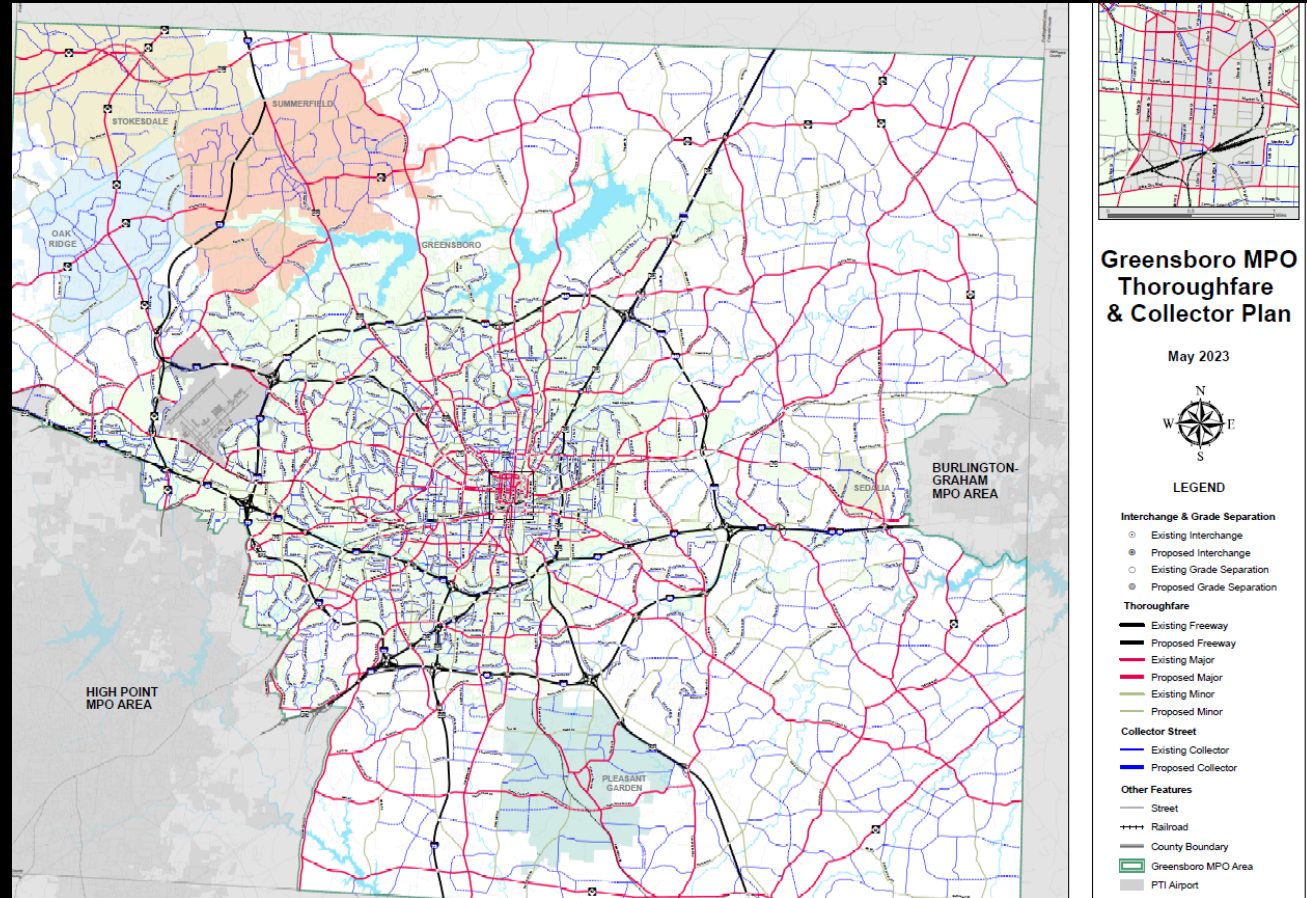
## How is the plan used? (cont.)

- Control the number of future access points along thoroughfares
- Ensure new construction is built at a suitable distance from freeways and thoroughfares
- Allow for coordination of connectivity for new developments

# Thoroughfare & Collector Street Plan Adoption

## The Process

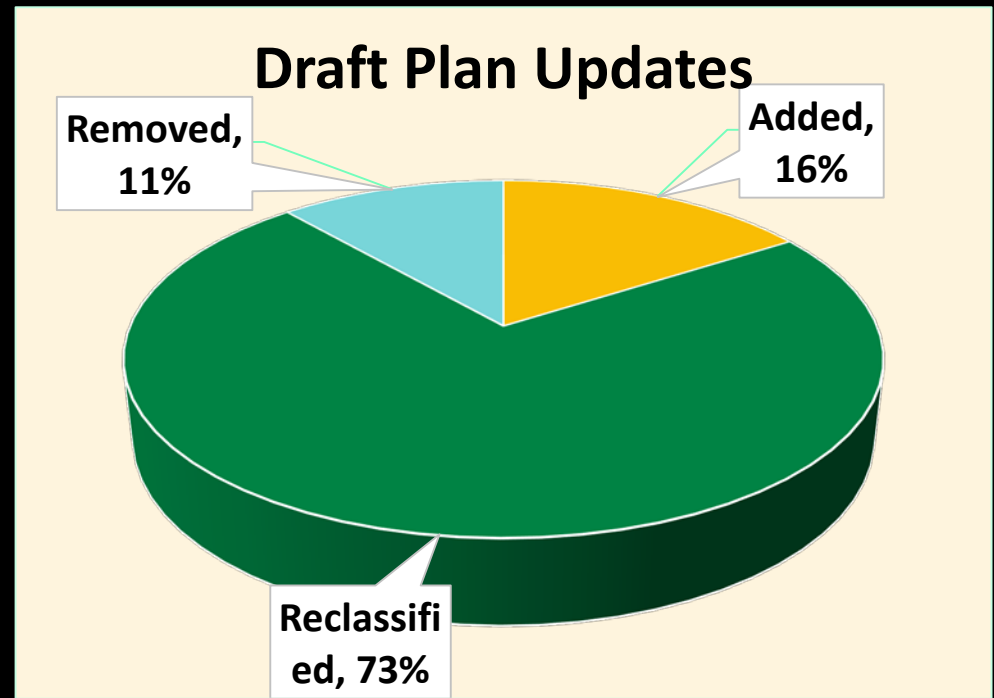
- Cross-functional team of GDOT and MPO staff
- Cross referenced with short and long-term plans
- Revised mapping and created tool to solicit feedback



# Thoroughfare & Collector Street Plan Adoption

## Public Review

- February 1 to April 3
- Outreach via ads, social media, virtual meeting, online GIS-based tool and in-person meeting for development community
- Fifty-three survey responses



**Recommendation:** Adopt Thoroughfare and Collector Street Plan

# Business Items

**May 10, 2023**

*Action Business Other*

# Division Engineer Report



Action Business Other

# Locally Administered Project Updates

# Recent and Pending Bid Openings

## **Downtown Greenway, Phase 4 - Contract 2015-0030**

Revised plans and specifications have been approved by the NCDOT

Contract will be advertised May 11, with a bid opening scheduled for June 8

Work should begin in August 2023 with a completion date of October 2024

## **Murrow Boulevard Bridge Repairs - Contract 2021-011**

Revised plans and specifications have been approved by the NCDOT

Contract will be advertised May 25, with a bid opening scheduled for June 22

Work should begin in September 2023 with a completion date of September 2024



# Recent and Pending Bid Openings

## **General Sidewalk Improvements - Contract 2015-104**

Revised plans and specifications have been approved by the NCDOT

Waiting on Construction Authorization to bid in July 2023

Contract includes sidewalks on Hornaday Rd., Bridford Pkwy, Big Tree Way, and Hewitt St.

Work should begin in September 2023 with a completion date of August 2024

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

Revised plans and specifications are under final review

Contract should be advertised in July 2023 with a bid opening in August 2023

Work should begin in October 2023 with a completion date of December 2024

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 50% complete for the project

All water and sanitary sewer work is complete

Widening is being installed in areas where utility installations are complete

Construction is expected to be completed by spring 2024

## **Ballinger Road Bridge Replacement - Contract 2016-037A**

Bridge work, paving, and final pavement markings are complete

Roadway is open to vehicular and pedestrian traffic

Working on final minor punch list items to close contract

# Current Construction Projects



Widening for Curb and  
Gutter @ the ACR -  
N. Wilpar Intersection

Alamance Church Road

Action Business Other

# Current Construction Projects



Alamance Ch Rd  
@ Faircrest

Alamance Church Road

Action Business Other

# Current Construction Projects



Ballinger Road Bridge

*Action*   *Business*   *Other*

# Current Construction Projects



Ballinger Road Bridge

Action Business Other

# Current Construction Projects

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

Waterline has been installed on Bellemeade St. from Edgeworth St. to Eugene St.

Waterline has been installed on Eugene St. from Smith St. to Bellemeade St.

Utility installations on Bellemeade Street East are complete

Streetscape work is set to begin on Bellemeade Street with the installation of trees

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

Phase 1 is complete except for crosswalk thermo markings

Phase 2 utility work to is underway with storm, sanitary, and water being installed

Phase 2 streetscape work is expected to be complete by fall of 2023

# Current Construction Projects



Bellemeade Street

*Action*   *Business*   *Other*



# Current Construction Projects



Summit Avenue

*Action*   *Business*   *Other*

# Current Construction Projects



Summit Avenue

Action Business Other

# Current Construction Projects

## **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.

# Current Construction Projects



Greene Street

*Action*   *Business*   *Other*

# Strategic Reports

*Action Business Other*

# FY 2023 Transit Split

	<b>FY 2023</b>	<b>5307</b>	<b>5339</b>	<b>5310</b>
GTA		\$6,286,939	\$603,697	\$343,535
PART		\$689,981		
TAMS				\$20,000
Total		\$6,976,920	\$603,697	\$363,535

- FY 2023 TIP adjustments identified based on split
- Program of Projects public review May 9 – June 8
- Corresponding TIP changes slated for June
- POP approval scheduled for June

# Prioritization 7.0 Process Update

## General Process Updates

- P 6.0 projects remain unfunded
- P 7.0 provides funding for years 2026-2035
- P 7.0 process – Carryover projects *plus two*
- The MPO point allotment pool increased from 1800 to 1900
- The MPO requests project submittals from members by June 30
- Resubmitting P 6.0 projects is generally recommended unless a modification or substitution has been identified

# Prioritization 7.0 Process Update

## *MPO Project Ranking Methodology Overview*

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



# Prioritization Process Update


## *Status of Previously Submitted Projects*

- **Committed-** *Not Applicable*
- **Carryovers-** Not Committed, but programmed for project phase
- **Holding Tank-** *Must be resubmitted*


Please review your jurisdictions projects submitted under P 6.0  
(description, project limits, cost, etc.)


# Prioritization Process Update

## P 7.0 Key Dates


 **March 8, 2023- MPO initiates project submittal process**

Early June 2023 - BOT approves P 7.0 Criteria/ Weights

 **June 30, 2023- All Projects must be submitted to the MPO (including Aviation)**

 **July - August 2023 - MPO analysis and identify projects for submittal**

August 9, 2023- TAC and TCC review of *Draft List of Project Submittals*

 **August 10 - September 10, 2023- Public Review**

September 20, 2023- MPO approval of *Draft List of Project Submittals*

July - September 2023– SPOT Online available for Entering Projects

Late April 2024– Quantitative Scores and Draft list of Programmed Statewide Mobility Projects released

# Safe Routes to School Grant Award

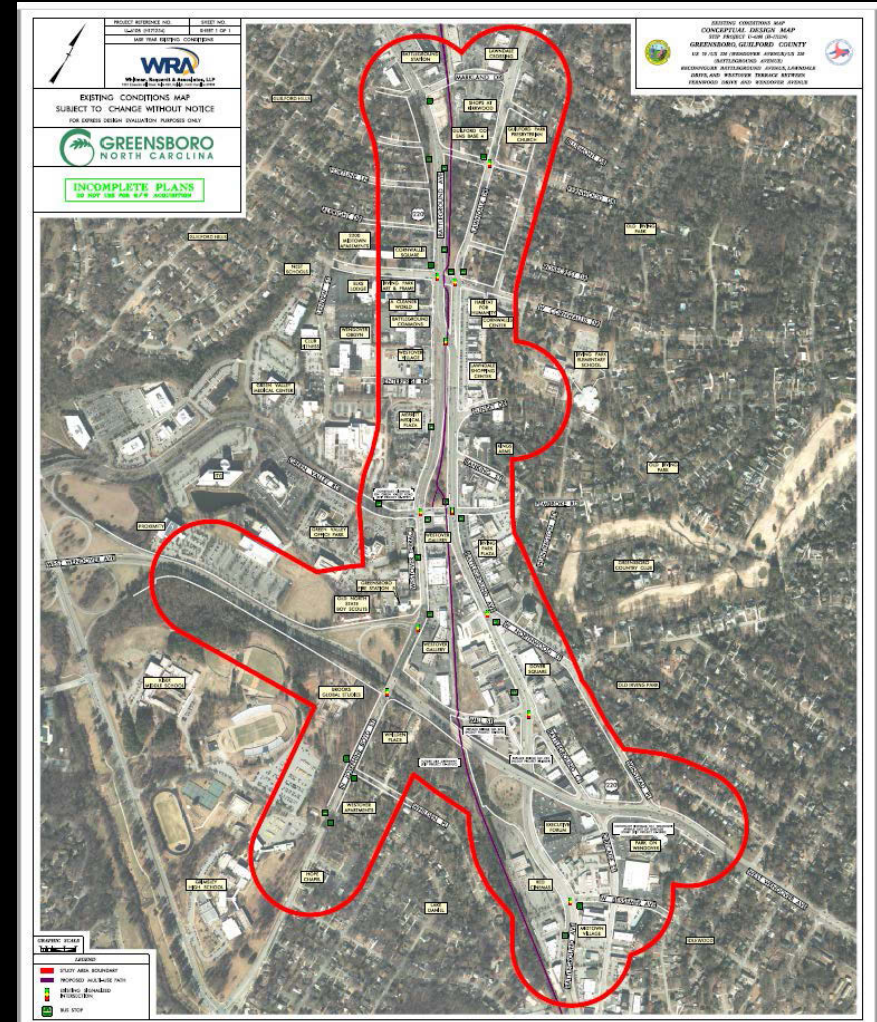
- Non-Infrastructure Grant for K-12 over a 3-year Period
- Up to \$500,00 with 20% match
- Would enable Greensboro to continue & expand current program

- 12 Government Organizations Awarded
- \$3 million in grants awarded
- MPO awarded \$343,006 (includes a \$68,601 match)



# U-6 I 08 Public Involvement

- In coordination with NCDOT
- Public review March 13 - April 28
- Extensive Media Outreach
- Public Meeting March 27
  - Over 70 in attendance
  - Almost 300 took online survey



# Other Items

1. Member Updates
2. Wrap up

*Next TCC meeting date: June 20 at 2:00 PM*

# Greensboro Urban Area MPO



**Technical Coordinating Committee  
May 8, 2023**