



# Technical Coordinating Committee Meeting Agenda

Monday, April 11, 2:00 PM  
Zoom Online Virtual Meeting

## **Introductory Items:**

1. Opening remarks / TCC Roll Call /Attendee Verification

## **Action Items:**

1. February 7, 2022 Meeting Minutes
2. MTIP Amendment: Economic Development Project
3. MTIP Modification: MPO Area Projects
4. MTIP Modification: Rail Project
5. MTIP Amendment: Statewide Transit and Rail Projects
6. MPO Self Certification 2022
7. FY 2022-2023 Unified Work Program

## **Business Items / Potential Action Items:**

1. Division 7 Updates
2. City Project Updates
3. Strategic Reports

## **Other Items**

1. Member Updates
2. Wrap-Up & Adjournment

**Lead Planning Agency: City of Greensboro Department of Transportation**



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# Technical Coordinating Committee Meeting Agenda Summary

Wednesday, April 11, 2:00 PM  
Zoom Online Virtual Meeting

## Action Items:

2. **MTIP Amendment: Economic Development Project:** to amend the MTIP to add project HE-0005 for road work at Piedmont Triad International Airport to support new manufacturing site north of I-73.
3. **MTIP Modification: MPO Area Projects:** to modify the MTIP for EB-5985 constructing sidewalks on Cone Boulevard from St. Regis Road to US 29, U-5892 Battleground Avenue widening from Westridge Road to Cotswold Avenue, and W-5807A Wendover Avenue at Summit Avenue interchange improving safety to update funding and adjust schedules.
4. **MTIP Modification: Rail Project:** to modify the MTIP for P-5719C refurbishing and purchasing rail cars for Piedmont Service Expansion to update funding and adjust schedules.
5. **MTIP Amendment: Statewide Transit and Rail Projects:** to amend the MTIP for 20 statewide transit and rail projects to maintain MTIP / STIP consistency, as well as to make Greensboro area transit agencies potentially eligible recipients
6. **MPO Self Certification:** annual action required to certify the MPO planning process complies with all applicable federal laws and regulations.
7. **FY 2022-2023 Unified Work Program & MTIP Modification:** the 2022-2023 UPWP program planning grant funds and modifies the TIP BGDA funding level. The draft document was reviewed at the February meeting. April approval is required to meet NCDOT deadlines.

## Business Items / Potential Action Items:

1. **Division 7 Updates:** current topics including NCDOT projects in the MPO area.
2. **City Project Updates:** recent and upcoming locally administered project milestones and other information.
3. **Strategic Reports:** upcoming work items and topics of current interest.

**Lead Planning Agency: City of Greensboro Department of Transportation**



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# Technical Coordinating Committee

## Meeting Minutes of February 7, 2022

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

### Attendance

Tyler Meyer	<i>TCC Chair</i>	Sean Taylor	<i>Oak Ridge</i>
Lydia McIntyre	<i>MPO Staff</i>	Jeff Sovich	<i>GSO Planning</i>
Gray Johnston	<i>MPO Staff</i>	Stephen Robinson	<i>NCDOT Div. 7</i>
Yuan Zhou	<i>MPO Staff</i>	Tamara Njegovan	<i>NCDOT Div. 7</i>
Tram Truong	<i>MPO Staff</i>	Donnie Huffines	<i>NCDOT Div. 7</i>
Chandler Hagen	<i>MPO Staff</i>	Suzette Morales	<i>FHWA</i>
Craig McKinney	<i>MPO Staff</i>	Katina Lucas	<i>NCDOT STIP Unit</i>
Hanna Cockburn	<i>GDOT Director</i>	Alrik Lunsford	<i>NCSU</i>
Chris Spencer	<i>GDOT/Engineering</i>	Grace Messinger	<i>PTRC</i>
George Linney	<i>GTA</i>	David Hursey	<i>Kimley Horn</i>
Elizabeth Jernigan	<i>GSO Parks &amp; Rec</i>	Tyler Spring	<i>Kimley Horn</i>
Mark Kirstner	<i>PART</i>	Alex Rotenberry	<i>NCDOT IMD</i>
		Jeffrey Dayton	<i>HDR</i>

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**Tyler Meyer called the meeting to order at approximately 2:00 PM.**

### Introductory Items

#### 1. Orientation to WebEx Software

Lydia McIntyre welcomed everyone to the June virtual meeting and reviewed how to use the WebEx software.

#### 2. Opening Remarks and Roll Call

Lydia McIntyre took roll call for the public record. TCC members and others identified themselves.



## **Action Items:**

### **1. December 14, 2021 Meeting Minutes**

Tyler Meyer asked if any changes were needed to the minutes. No changes were identified.

*Stephen Robinson moved to approve the minutes of December 14, 2021. Sean Taylor seconded. The TCC voted unanimously to approve.*

### **2. Highway Safety Performance Measure Targets for 2022**

Yuan Zhou stated the safety performance targets is likely a familiar topic for TCC by now since the MPO started this annual process in 2018. Federal transportation law and regulations require performance based planning, and more specifically performance based transportation outcomes. Today's action is in the context of the broader process NCDOT and the MPO follow for incorporating performance measures into the planning process, in this case for safety. Zhou noted the USDOT deadline for MPOs to adopt their performance targets within 180 days of August 31, 2021. The MPO has two ways to establish their targets; one is adopting NCDOT's safety targets for that performance measure or the MPO can establish its own safety targets. The Greensboro MPO has chosen to adopt NCDOT's safety targets since 2018, and staff proposes to continue that approach this year.

The table shows the NCDOT's five performance measures and data for the past three years. The two columns to the right show 2022 targets compared to 2021 targets. We see a slight decrease in the targets while the historical data shows an increasing trend. This means for this year, NCDOT is more aggressive on safety target setting. The second table shows a historical data and target comparison for the Greensboro MPO. The MPO has a similar pattern as the state. The aggressive safety targets setting indicates safety warrants top priority in planning and programming processes. The recommended action is to approve the resolution to endorse the NCDOT 2022 Safety Performance Targets.

*Sean Taylor moved to approve recommendation to TAC. Mark Kirstner seconded. The TCC voted unanimously to approve.*

### **3. Transit Performance Measure Safety Targets for 2022**

Yuan Zhou stated that, as in the previous item, the federal transportation law and regulations require the ongoing implementation of performance based planning and programming to achieve the desired performance outcomes for our multimodal transportation system. This item sets the targets for public transportation in a manner consistent with FTA's Public Transportation Agency Safety Plan final rule. The rule requires certain operators of public transportation systems to develop a safety plan that includes safety management processes, procedures and targets. Safety performance targets should address fatalities, injuries, safety events, and system reliability. Transit agencies must make their safety performance targets available to the states and MPOs to aid in the planning process. FHWA's and FTA's joint final rule on planning require MPOs establish the Transit Safety Performance Targets within 180 days of the state or the transit provider setting their targets. The public transportation agency safety plans also require an annual review and update. Therefore, PART and GTA updated their safety plans and shared with the MPO to establish the 2022 Safety Targets.

GTA and PART safety targets are shown in two tables in your handout. Their targets are set based on their own services and service times. The recommended action is to approve the resolution endorsing the 2022 Transit Targets established by PART and GTA in their public transportation safety plans.

*Mark Kirstner moved to approve recommendation to TAC. Stephen Robinson seconded. The TCC voted unanimously to approve.*

#### **4. MTIP Modification: Statewide Projects**

Tyler Meyer presented an item requested by NCDOT to modify the MTIP for three statewide projects that are focused on work in Division Seven. Projects RC-2000 and RX-2000 provide for administrative and planning work related to ongoing programs of the department. RC-2000 concerns the grade separation and crossing closure safety program. This program led to preparation of the East Guilford Traffic Separation Study 20 years ago now. In the years since, the study recommendations have led to a series of grade separation projects and crossing closures, some of which are completed and others of which are still pending. The Franklin Boulevard Grade Separation Project and the Pine Street crossing closure are two notable pending project examples. This item provides for ongoing activities under the program in Division 7. The action adds a new project number for planning only without any funding listed in the MTIP.

RX-2000 concerns the improvements at-grade rail crossing locations. It provides for active safety improvements with crossing gates, signals and signage. This is added to the MTIP as a new project for planning only. This is continuing a long term series of work with a new project number.

The third project is R-5753 is an on-going project for roadway and bridge improvements on federally owned lands in North Carolina. Federally owned lands include national parks, forest lands and other installations. Construction funding is provided for years 2022 through 2025.

*Chris Spencer moved to approve recommendation to TAC. Michael Abuya seconded. The TCC voted unanimously to approve.*

#### **5. MTIP Amendment: MPO Roadway Projects**

Tyler Meyer stated this amendment modifies the schedule for project U-5812, intersection improvements on Lawndale Drive at Pisgah Church Road and Pisgah Church Road at Martinsville Road. This City of Greensboro sponsored project was selected for STI funding under the prior prioritization process rounds. The amendment will shift right-of-way from 2022 to 2023 and construction from 2023 to 2024. Funding amounts for the projects are unchanged at this time. Recommended action is to approve the amendment.

*Chris Spencer moved to approve recommendation to TAC. Mark Kirstner seconded. The TCC voted unanimously to approve.*

#### **6. MTIP Amendment and Modification: MPO Rail Projects**

Tyler Meyer stated this modification and amendment affects three NCDOT rail projects. The first two are Norfolk Southern Railroad sponsored projects that the MPO submitted for STI prioritization and that NCDOT agreed to provide 50% funding on several years back.

Project P-5700 will improve the existing Norfolk Southern Intermodal Terminal at Patterson Street and Merritt Drive. Under this project, the container storage area will be expanded north of the tracks onto the Norfolk Southern Roundhouse property adjacent to Spring Garden Street. This amendment shifts construction from 2022 to 2023. Project funding is unchanged at \$1.7 million evenly split between NCDOT and the Norfolk Southern Railroad.

Project P-5714 will upgrade Pomona Yard with improvements to power turnouts, auxiliary tracks, signage and enhanced signalization for trains. The amendment shifts construction from 2023 to 2024. The funding amount is unchanged at \$3.1 million split between NCDOT and the Norfolk Southern Railroad.

Project is RX-2007C will improve active rail crossing equipment such as gates and signals at the Norfolk Southern mainline crossing of Hillcroft Road between Yanceyville Street and Lees Chapel Road in Greensboro. The amendment adds the project in FY 2023 with \$800,000.

The recommendation is to modify the MTIP for the first two projects and amend the MTIP for the third project.

*Sean Taylor moved to approve recommendation to TAC. Mark Kirstner seconded. The TCC voted unanimously to approve.*

## **7. FY 2023 CMAQ Project Selection & MTIP Amendment**

Tyler Meyer stated this action item recommends awarding the MPO's fiscal year 2023 CMAQ allocation to clean diesel replacement buses for GTA for \$1.8 million matched by \$451,000 in local funds. CMAQ program eligibility is restricted to a defined list of projects with quantifiable air quality benefits. In addition, FY 2023 funds need to be obligated in FY 2023. Following MTIP action, an emissions analysis showing positive air quality benefits must reviewed and approved by NCDOT and FHWA. NCDOT will then formalize the CMAQ project award with Board of Transportation action to amend the STIP accordingly expected in spring 2022.

To develop the FY 2023 CMAQ recommendation, potential candidate projects were reviewed for eligibility, need, and ability to meet the tight timeframe requirements. Based on that, the recommendation is to replace the last four 2009 Gillig diesel buses in GTA's fleet. These buses are in very poor condition and are a real maintenance burden in terms of both high cost to keep them running and recurring reliability problems. The available funding is sufficient to replace those four buses. Therefore, the recommendation is to add CMAQ funds to project TA-4771 in fiscal year 2023. Meyer concluded noting this would be consistent with past TAC actions over recent years where the MPO has supported this project with CMAQ funds.

*Mark Kirstner moved to approve recommendation to TAC. Sean Taylor seconded. The TCC voted unanimously to approve.*



## **8. FY 2021-2022 Unified Work Program Amendment**

Tyler Meyer presented amendment #2 to the current Unified Planning Work Program. The amendment increase funding to support the household travel survey based on the negotiated price with the selected vendor. NCDOT has agreed to increase its participation to maintain an 80% federal and 10% state share. The 10% local share will increase accordingly, with costs distributed between the local parties consistent per the interlocal agreement for the project. This UPWP amendment increases funding for the project on that basis.

The household travel survey project is a partnership project between the MPO, the City of Greensboro, PART, NCDOT, and other Triad area MPOs. NCDOT is a key stakeholder in this project. PART is an important partner as well, as reflected by their support during the procurement process and their support for the execution of the work once it gets underway. Meyer concluded by noting the recommendation is to amend the UPWP as stated.

*Mark Kirstner moved to approve recommendation to TAC. Stephen Robinson seconded. The TCC voted unanimously to approve.*

## **Business Items / Potential Action Item(s):**

### **1. Draft FY 2023 Unified Planning Work Program**

Tyler Meyer reviewed the Draft FY 2023 UPWP for the TAC, noting a final version will be brought back for approval at the next meeting prior to the end-of-March deadline. This document will establish the budget and work plan for next year starting July 1, 2022. The UPWP will programs Federal Highway Administration and Federal Transit Administration planning grant funds to be passed through NCDOT to the MPO Lead Planning Agency. The FY 2023 funding allocations include a total of \$1,054,000 in federal funding plus local match and state match where available.

The FY 23 UPWP will also include carry-over FY 2022 funds programmed in the FY 2022 UPWP for special studies that will start in FY 2022 and carryover to FY 2023. Two studies are included in this category, the Downtown Parking Study added to the UPWP at the last meeting, and the Household Survey that was the subject of the previous agenda item. The total of those carryover federal funds is \$859,200, bringing the grand total of federal planning grant funds to \$1.9 million for next year's planning activities. A little under half of that is from the Household Travel Survey and SPR funding grant from NCDOT.

A preview of the main activities anticipated for next year under the Planning Work Program include:

- Completing the Household Travel Survey.
- Completing the Downtown Parking Plan.
- Developing a Mobility Greensboro 2045 long range transit master plan to update the Mobility Greensboro 2040 plan and provide a renewed vision for transit in Greensboro into the future. The project will focus on implementation and how to get to the next level of improved transit service.

- Better bus stop program plan for a program of improvements for higher ridership stops with shelters and other amenities; consolidation of redundant, low use stops to improve stop spacing for service efficiency, and relocating stops to safer or more appropriate locations when needed.
- Planning for improved transportation safety in the MPO area. As Yuan noted, Performance Measure Targets indicate that needs to be a top priority. The work will include updating and expanding Vision Zero action planning.
- 2024 to 2033 TIP development will be a major focus for next year. Although Prioritization 6.0 was suspended, NCDOT still has to develop the next STIP document and determine which of the existing projects from the current STIP will carry over to the next STIP.
- Project planning, outreach and coordination activities with NCDOT and our local partners will be an important focus.
- Acquisition and use of analysis tools and data services, as well as field data collection to support UPWP implementation including enhancing our focus on performance management.
- Forecasting future travel demand for roadways and transit ridership, including the paratransit ridership trends, which we have found to be helpful way for budgeting purposes.

The draft UPWP is still under internal discussion, and there may be some additional items added or modified by the next meeting. Meyer concluded asking TCC members to advise if they identify any additions, revisions or deletions they might like to see.

## 2. Clean Cities Coalition

Alik Lunsford, extension specialist for the North Carolina Clean Energy Technology Center, introduced himself and his topic, stating he is a member of the Clean Transportation Team within the North Carolina Clean Energy Technology Center housed on the College of Engineering campus at NC State University. The center's mission is to advance a sustainable energy economy through education and outreach, trainings, and technical assistance.

Lunsford explained the overall objective for the Clean Transportation Program, which focuses on increasing awareness of alternative fuel fleet management practices and opportunities through technical assistance. Trainings, fleet assessments, education and outreach initiatives are part of the mix, along with administering clean transportation tech grants on behalf of NCDOT. The clean fuels advanced technology grant is one of the technology grants that the clean transportation team provides in the 24 eligible CFAT counties. CFAT has provided just short of \$12 million dollars in federal funds for a public vehicle fleets so far. This includes electric vehicle charging devices awarded to the City of Greensboro. The Center should be sending out an application for CFAT projects this year probably late March.

Lunsford then referenced the Sustainable Fleet Technology Conference to be held August 30 through September 1 at the Durham Convention Center. Registration is currently open at [sustainablefleetexpo.com](http://sustainablefleetexpo.com). He noted various other outreach endeavors including sharing general information with the public at Earth Day festivals and in carrying out an annual K-12 student art contest.



Lunsford then shifted topics to discuss Clean Cities Coalitions. First established by the US Department of Energy as part of the 1992 Energy Policy Act, this program has endeavored since that time to promote sustainable clean energy usage by coordinating efforts between local governments and a range of other stakeholders including private companies under the auspices of USDOE supported, locally run Clean Cities Coalitions. North Carolina currently has three coalitions: the Charlotte area, Raleigh Durham Triangle area, and Asheville area. At this time, the North Carolina Clean Energy Technology Center wants to create a fourth Clean Cities Coalition that represents the Triad or the central region of North Carolina, as well as the Northeastern parts of North Carolina. The purpose would be to secure additional federal funding from the USDOE for clean energy projects in the area. Lunsford described the process of establishing a Clean Cities Coalition, as well as how individuals and organizations could support the effort. He closed by requesting the MPO endorse the formation of the proposed Clean Cities Coalition for the Triad and Northeastern NC.

Tyler Meyer thanked Lunsford for the presentation and asked if the questionnaire is an organizational questionnaire or an individual out. Lunsford said either or both. Lydia McIntyre asked who would be the lead agency. Lunsford stated the North Carolina Clean Energy Technology Center will be the lead agency. Grace Messinger from the Piedmont Triad Council of Governments noted her agency has been working with NC Clean Energy Technology Center for many years on CFAT funding and would operate as a local contact for the initiative. Sean Taylor indicated the presentation was a bit ambiguous and potentially politically sensitive. Therefore he proposed to continue the action to a future meeting so he could check in with Town Council before voting one way or the other. Meyer concluded discussion, noting TAC would consider the matter and determine the appropriate MPO response at their meeting.

### **3. Division Engineer Updates**

Stephen Robinson stated he had no additional updates beyond the information provided in the agenda packet. One project to note though is U-5754, adding an additional lane on US 29 from I-40 to Florida Street. A contract has been awarded.

### **4. Project Updates**

Craig McKinney presented the MPO locally administered project updates, noting pending bid dates for the Greene Street Streetscape in downtown Greensboro and the Murrow Boulevard Bridge Repair over Church Street which will complete the last stage of work associated with EL-5101DJ, Downtown Greenway Phase 2.

McKinney then followed-up on a discussion item from the October 2021 TAC meeting on U-6008, New Garden Road at Bryan Boulevard interchange improvements. As previously discussed, NCDOT, MPO, and the City agreed to delay the project until after the Urban Loop completion to reanalyze traffic trends and project needs at that time. TAC had identified a need to communicate with area stakeholders to apprise them of this development. In response, NCDOT's public involvement section mailed postcards their mailing list for the project. NCDOT and the City distributed information about this via social media including Nextdoor. Currently scheduled in FY 2028, the construction schedule is subject to change under the NCDOT's FY 2024-2033 STIP development process.

## 5. Strategic Reports

Tyler Meyer noted the Boom Supersonic announcement of plans to locate an aircraft manufacturing facility at the Piedmont Triad Airport. This major development will stimulate many spinoff effects in the regional economy, and will have real implications for transportation and transportation planning in the years ahead.

The 2022 NCAMPO Conference will be an in-person event at the Wilmington Convention Center. There may be a virtual option as well, though that remains to be determined. NCAMPO conferences offer great sessions and excellent networking opportunities, including MPO and NCDOT staffs, consultants, and elected officials from around the state. Registration costs for TAC members are an eligible use of MPO planning grant funds, and Meyer encouraged any interested members to contact him about the details.

Meyer then reviewed the FY 2024-2033 STIP development schedule. For this STIP cycle, rather than adding new projects, this process will determine which existing projects to retain. The STI workgroup, which Meyer sits on, have been instrumental in supporting NCDOT in thinking through and structuring a workable methodology for this purpose.

The Department is currently in the initial analysis phase of the effort. NCDOT plans to coordinate closely with the MPOs and RPOs on the development of the next STIPs project listings throughout calendar year 2022. Part of this coordination includes the potential for swapping projects. The way this would work is that, if all affected MPOs, RPOs, and Divisions concur, a project pegged for removal from the STIP could be retained if the parties agree to drop another project in the same area with a cost estimate with a similar cost range (+/- 10% difference).

Meyer concluded stating the FY 2024-2033 STIP schedule provides for Board of Transportation approval in June 2023 with an effective date of July 1 of that year for state funded projects and October 1 for federally funded projects.

## Other Items

### 1. Member Updates

Tyler Meyer noted arrangements for an NCDOT IMD Complete Streets presentation at the next meeting. Lydia McIntyre said Alex Rotenberry put information in the chat window regarding several topics. These include that NCDOT Mobi Awards is now accepting applications; new Complete Streets web connect page and resources are available; NCDOT anticipates a call for TDM projects opening February 8; applications for Watch for Me NC are due February 18; and USDOT RAISE grant applications NOFO is on the street with applications due April 14, 2022. Mark Kirstner invited folks to attend the Piedmont Transportation Professionals session on February 24. The session will include NCDOT IMD Complete Streets and information on transportation demand management.

### 2. Wrap-Up & Adjournment

Tyler Meyer mentioned TAC meets March 7, 2022 at 2:00 PM and thanked everyone for attending.

**Tyler Meyer adjourned the meeting at 3:13 PM.**

## **FY 2020-2029 MTIP Amendment: Economic Development Project**

### **Background:**

NCDOT proposes to amend the 2020-2029 MTIP to add project HE-0005 for roadwork at the Piedmont Triad International Airport with state economic development funds.



### **Project Situation:**

**HE-0005:** construct a new road between Pleasant Ridge Road and Regional Road, including a new bridge across I-73. The new roadway will be located to the west of the existing PTIA taxiway bridge and future crossfield taxiway and will support operations at the new the Piedmont Triad International Airport manufacturing site north of I-73.

- *Adds project HE-0005 with right of way and utilities at \$1,500,000 in FY 2022 and construction at \$30,000,000 in FY 2023.*
- *The current state budget enacted under HB 334 appropriates state economic development funds to this project.*

### **Recommended Action & Next Steps:**

- TAC action to amend the 2020-2029 MTIP.
- NCDOT will amend the 2020-2029 STIP at the May 5, 2022 Board of Transportation meeting.

**Lead Planning Agency: City of Greensboro Department of Transportation**

**MTIP Amendment Details**

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2022	FY 2023
Add	<u>HE-0005</u>	<u>Construct roadwork at the PTI Airport manufacturing site</u>	<u>S</u>	<u>UTI</u>	<u>\$ 500,000</u>	
			<u>S</u>	<u>R/W</u>	<u>\$ 1,000,000</u>	
			<u>S</u>	<u>CST</u>		<u>\$ 30,000,000</u>

*Gray shading = prior listings, unshaded = revised listings, strikethrough = deletions, underlined = revisions, \* = amendment*

**Funding Sources Key:**

*S: State Funds*

**RESOLUTION AMENDING THE GREENSBORO URBAN AREA  
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:  
ECONOMIC DEVELOPMENT PROJECT**

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

WHEREAS, the Transportation Advisory Committee has reviewed the current 2020-2029 Metropolitan Transportation Improvement Program, adopted by the TAC on November 13, 2019 and has found that an amendment is needed; AND

WHEREAS, the NCDOT requests the MPO amend the MTIP to add project HE-0005; AND

WHEREAS, project HE-0005 is a special economic development project for roadwork needed at the Piedmont Triad International Airport campus; AND

WHEREAS, state economic development funding for this roadwork is provided through an appropriation in the state budget

WHEREAS, the MPO adds project HE-0005 and adds utilities and right of way funds in FY 2022 and construction funds in FY 2023; AND

WHEREAS, the NC Board of Transportation is to amend the STIP on May 5, 2022; AND

WHEREAS, the Greensboro Urban Area conforms with the North Carolina State Implementation Plan for maintenance of the National Ambient Air Quality Standards; AND

WHEREAS, on April 21, 2021 the Federal Highway Administration and the Federal Transit Administration jointly certified that the MPO substantially meets the federal metropolitan transportation planning requirements, for a period of four years;

NOW Therefore be it resolved, by the Greensboro Urban Area Transportation Advisory Committee, to act on the Metropolitan Transportation Improvement Program for FY 2020-2029 to amend the MTIP to add project HE-0005, on this day, April 13, 2022.

\*\*\*\*\*

I, Marikay Abuzuaiter, TAC Chair,  
*(Name of Certifying Official) (Title of Certifying Official)*

do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Greensboro Urban Area TAC duly held on this day, April 13, 2022.

\_\_\_\_\_  
Chair, Transportation Advisory Committee

\*\*\*\*\*

Subscribed and sworn to me on this day, April 13, 2022.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_



## FY 2020-2029 MTIP Modification: MPO Area Projects

### Background:

NCDOT requests the MPO modify the MTIP for three projects: EB-5895, construct sidewalk on Cone Boulevard from St. Regis Road to US 29, U-5892 Battleground Avenue, widening from Westridge Road to Cotswold Avenue, and W-5807A Wendover Avenue at Summit Avenue, interchange safety improvements.



EB-5985 & U-5892

W-5807A

### Project Situation:

- **EB-5985** will construct sidewalks and install pedestrian signals and crossing improvements from St. Regis Road to US 29. EB-5985 is an STI funded project sponsored by the City of Greensboro. *Shifts construction from FY 22 to FY 23.*
- **U-5892** will add lanes, make operational improvements, and complete pedestrian facilities on Battleground Avenue from Westridge Road to Cotswold Avenue. U-5892 is an **STI funded** project. *Changes funding source from state to federal. Accelerates start of right-of-way and utility phases from FY 24 to FY 23. Delivery schedule is unchanged with construction scheduled to begin in FY 2026.*
- **W-5807A** safety improvements at East Wendover Avenue (US 220) interchange ramp terminals on Summit Avenue. Includes modifying channelization islands and installing traffic signals, pedestrian heads, and crosswalks. W-5807A is a **Highway Safety Improvement Program funded** project. *Delays right of way from FY 2022 to FY 2023. Delivery schedule is unchanged with construction scheduled to begin in FY 2023.*

### Recommended Action & Next Steps:

- TAC action to modify the 2020-2029 MTIP.
- NCDOT will modify the 2020-2029 STIP at the April 6 (U-5892 and W-5807A) and May 5 (EB-5985), 2022 Board of Transportation meetings.

**Lead Planning Agency: City of Greensboro Department of Transportation**

## MTIP Modification Details

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Current	EB-5985	Construct sidewalk on Cone Blvd from US 29 to St. Regis Rd	TAANY	ENG	\$ 120,000							
			L	ENG	\$ 30,000							
			TAANY	R/W	\$ 62,000							
			L	R/W	\$ 16,000							
			TAANY	CST	<del>\$ 377,000</del>							
			L	CST	<del>\$ 94,000</del>							
Change	EB-5985	Construct sidewalk on Cone Blvd from US 29 to St. Regis Rd	TAANY	ENG	\$ 120,000							
			L	ENG	\$ 30,000							
			TAANY	R/W	\$ 62,000							
			L	R/W	\$ 16,000							
			TAANY	CST		\$ 377,000						
			L	CST		\$ 94,000						
Current	U-5892	Add lanes on Battleground Avenue from Westridge Road to Cotswold Avenue	T	UTI			\$736,000	\$736,000				
			T	R/W			\$3,766,000	\$3,766,000				
			T	CST					\$3,100,000	\$3,100,000	\$3,100,000	\$3,100,000
Change	U-5892	Add lanes on Battleground Avenue from Westridge Road to Cotswold Avenue	NHP	UTI		\$490,667	\$490,666	\$490,666				
			NHP	R/W		\$1,883,000	\$3,766,000	\$1,883,000				
			NHP	CST					\$2,834,000	\$6,625,000	\$2,941,000	
Current	W-5807A	Modify channelization island and install traffic signal, pedestrian heads, and crosswalks at US 220 Eastbound and Summit Avenue Ramp terminals	HSIP	R/W	\$150,000							
			HSIP	CST		\$280,000						
Change	W-5807A	Modify channelization island and install traffic signal, pedestrian heads, and crosswalks at US 220 Eastbound and Summit Avenue	HSIP	R/W		\$150,000						
			HSIP	CST		\$280,000						

### Notes:

Gray shading = prior listings, unshaded = revised listings, strikethrough = deletions, underlined = revisions, \* = amendment

### Funding Sources Key:

**HSIP:** Highway Safety Improvement Program

**L:** Local Funds

**NHP:** National Highway Performance Program

**T:** State Highway Trust Fund

**TAANY:** Transportation Alternatives, any area

**RESOLUTION MODIFYING THE GREENSBORO URBAN AREA  
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:  
MPO AREA PROJECTS**

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

WHEREAS, the Transportation Advisory Committee has reviewed the current 2020-2029 Metropolitan Transportation Improvement Program, adopted by the TAC on November 13, 2019 and has found that an amendment is needed; AND

WHEREAS, NCDOT requests the MPO to modify two roadway projects EB-5985, U-5892 and W-5807A; AND

WHEREAS, the NCDOT requests the MPO modify pedestrian project EB-5985 in 2020-2029 MTIP to shift construction from FY 2022 to FY 2023 to allow additional time for planning and design; AND

WHEREAS, the NCDOT requests the MPO modify project U-5892 in 2020-2029 MTIP to utilize Federal funds and to adjust right of way and utilities from FY 2024 to FY 2023; AND

WHEREAS, the NCDOT requests the MPO modify project W-5807A to delay right of way from FY 22 to FY 23; AND

WHEREAS, the NC Board of Transportation will follow-up to modify the STIP as appropriate on April 6 and May 5, 2022; AND

WHEREAS, the Greensboro Urban Area conforms with the North Carolina State Implementation Plan for maintenance of the National Ambient Air Quality Standards; AND

WHEREAS, on April 21, 2021 the Federal Highway Administration and the Federal Transit Administration jointly certified that the MPO substantially meets the federal metropolitan transportation planning requirements, for a period of four years;

NOW Therefore be it resolved, by the Greensboro Urban Area Transportation Advisory Committee, to act on the Metropolitan Transportation Improvement Program for FY 2020-2029 to modify the MTIP for EB-5985, U-5892 and W-5807A, on this day, April 13, 2022.

\*\*\*\*\*

I, Marikay Abuzuaiter, TAC Chair,

*(Name of Certifying Official) (Title of Certifying Official)*

do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Greensboro Urban Area TAC duly held on this day, April 13, 2022.

\_\_\_\_\_

Chair, Transportation Advisory Committee

\*\*\*\*\*

Subscribed and sworn to me on this day, April 13, 2022.

\_\_\_\_\_

Notary Public

My commission expires \_\_\_\_\_



## FY 2020-2029 MTIP Modifications: MPO Area Rail Project

### Background:

The NCDOT requests the MPO to adjust MTIP implementation schedules and funding source for NCDOT intercity passenger rail project P-5719C for the Piedmont train service between Raleigh and Charlotte, including service in the MPO planning area.

### Project Details:

**P-5719C** funds acquisition and refurbishment of rail cars for operations on the Piedmont service between Charlotte and Raleigh. This is part of a long-term program to improve the quality of passenger rail service and increase the number of trains operating daily. *Shifts construction from FY 22 to FY 23 and changes funding source from O (Other) to DP (Discretionary or Demonstration).*



### Recommended Action & Next Steps:

- TAC action to modify the 2020-2029 MTIP.
- NCDOT modify the 2020-2029 STIP at the May 5, 2022 Board of Transportation meeting.

**Lead Planning Agency: City of Greensboro Department of Transportation**



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### MTIP Amendment & Modification Details

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2022	FY 2023	FY 2024	FY 2025
Current	P-5719C	Purchase and Refurbish Rail Cars for Piedmont Service Expansion	Θ	CST	<del>\$ 156,888,000</del>			
			T	CST			\$ 27,820,000	\$ 27,820,000
Change	P-5719C	Purchase and Refurbish Rail Cars for Piedmont Service Expansion	<u>DP</u>	CST		\$ 156,888,000		
			T	CST			\$ 27,820,000	\$ 27,820,000

**Notes:**

*Gray shading = prior listings, unshaded = revised listings, strikethrough = deletions, underlined = revisions, \* = amendment.*

**Funding Sources Key:**

*DP: Discretionary or Demonstration*

*T: State Highway Trust Fund*



**RESOLUTION MODIFYING THE GREENSBORO URBAN AREA  
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:  
NCDOT RAIL DIVISION PROJECT**

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

WHEREAS, the Transportation Advisory Committee has reviewed the current 2020-2029 Metropolitan Transportation Improvement Program, adopted by the TAC on November 13, 2019 and has found that a modification is needed; AND

WHEREAS, NCDOT has requested the MPO modify the FY 2020-2029 MTIP for P-5719C to adjust schedules; AND

WHEREAS, the NC Board of Transportation will modify project P-5719C on May 5, 2022 meeting; AND

WHEREAS, the Greensboro Urban Area conforms with the North Carolina State Implementation Plan for maintenance of the National Ambient Air Quality Standards; AND

WHEREAS, on April 21, 2021 the Federal Highway Administration and the Federal Transit Administration jointly certified that the MPO substantially meets the federal metropolitan transportation planning requirements, for a period of four years;

NOW Therefore be it resolved, by the Greensboro Urban Area Transportation Advisory Committee, to modify the FY 2020-2029 MTIP for P-5719C, on this day, April 13, 2022.

\*\*\*\*\*

I, Marikay Abuzuaiter, TAC Chair,  
*(Name of Certifying Official) (Title of Certifying Official)*

do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Greensboro Urban Area TAC duly held on this day, April 13, 2022.

\_\_\_\_\_  
Chair, Transportation Advisory Committee

\*\*\*\*\*

Subscribed and sworn to me on this day, April 13, 2022.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_



## FY 2020-2029 MTIP Amendments: Statewide Transit and Rail Projects

**Background:**

The NCDOT requests the MPO amend the 2020-2029 MTIP for twenty statewide transit and rail projects. Some of these projects support administrative activities of the NCDOT Integrated Mobility Division or the Rail Division, while others provide for disbursement of funds to transit systems across the state. The MTIP action is necessary to maintain MTIP / STIP consistency, as well as to make Greensboro area transit agencies potentially eligible recipients.

**Project Situation:**

This action adds funding in FY 2023 for eleven already programmed projects and adds nine additional projects. *Gray shading indicates prior TIP listings. Unshaded cells reflect revised listings. Deletions are represented by strikethrough text, additions by underlined text, \* Amend Projects.*

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2023	FY 2024
New	<u>TA-6665*</u>	Statewide, 5311 Capital Projects for Rural Areas	\$	CP	\$ 2,991,000	
			L	CP	\$ 1,430,000	
			5311	CP	\$ 9,887,000	
New	<u>TC-0003*</u>	Statewide, 5311 ADTAP Capital Funding for Rural Transit	\$	CP	\$ 137,000	
			L	CP	\$ 137,000	
			5311	CP	\$ 1,097,000	
New	<u>TC-0026*</u>	Statewide, Federal American Rescue Plan Funds for Capital	ARP	CP	\$ 500,000	
New	<u>TM-0002*</u>	Statewide, Support Integrated Mobility Division State Administration for 5311 admin/ operating/ capital and 5311(F)	5311	AD	\$ 3,950,000	
New	<u>TM-0004*</u>	Statewide, Support Integrated Mobility Division State Administration for 5311 Capital - ADTAP	5311	AD	\$ 150,000	
New	<u>TM-0023*</u>	Statewide, Support Integrated Mobility Division State Administration for 5310 Operating/ Capital purchase service	5310	AD	\$ 522,000	
New	<u>TM-0038*</u>	Statewide, Support Integrated Mobility Division State Administration for ARP and Coronavirus Response and Relief Supplemental Appropriations Act Fund	FEDT	AD	\$ 1,400,000	
			\$	AD		\$ 86,000
			FEDT	AD		\$ 15,000
New	<u>TQ-6954*</u>	Statewide, 5310 Operating Projects for Rural Areas	L	OPER	\$ 2,137,000	
			5310	OPER	\$ 2,138,000	
New	<u>TU-0011*</u>	Statewide, Integrated Mobility Division supports the Urban Transit Technical Assistance Activities	5303	AD	\$ 370,000	

**Lead Planning Agency: City of Greensboro Department of Transportation**

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STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2021	FY 2022	FY 2023
Current	TC-0011	Statewide, 5339 Grant for facility construction	L	CP	\$ 598,000		
			5339	CP	\$ 2,391,000		
Change	TC-0011*	Statewide, 5339 Grant for facility construction	5339	CST			\$ 719,000
Current	TC-0018	Statewide, 5310 Capital Projects for Rural	S	CP		\$ 341,000	
			L	CP		\$ 364,000	
			5310	CP		\$ 275,000	
Change	TC-0018*	Statewide, 5310 Capital Projects for Rural	S	CP			\$ 360,000
			L	CP			\$ 404,000
			5310	CP			\$ 2,929,000
Current	TC-0020	Statewide, 5339 Small Urban	5339	CP		\$ 1,747,000	
			L	CP		\$ 219,000	
			S	CP		\$ 219,000	
Change	TC-0020*	Statewide, 5339 Small Urban	STBG	PL		\$ 273,000	
			S	CP			\$ 60,000
			L	CP			\$ 60,000
			5339	CP			\$ 479,000
Current	TC-0021	Statewide, 5339 Statewide Rural	S	CP		\$ 567,000	
			L	CP		\$ 567,000	
			5339	CP		\$ 4,536,000	
Change	TC-0021*	Statewide, 5339 Statewide Rural	S	CP			\$ 210,000
			L	CP			\$ 210,000
			5339	CP			\$ 1,684,000
Current	TG-0006	Statewide, 5307 Capital funds for FTA Grant	5307	CP	\$ 122,000		
Change	TG-0006*	Statewide, 5307 Capital funds for FTA Grant	L	CP			\$ 52,000
			5307	CP			\$ 207,000
Current	TM-0020	Statewide, 5307 Operating Funds	5307	AD	\$ 45,000		
Change	TM-0020*	Statewide, 5307 Operating Funds	L	OPER			\$ 1,073,000
			5307	OPER			\$ 1,073,000
Current	TM-0027	Statewide, 5311 Administrative Funds for FTA Grants	S	AD		\$ 896,000	
			L	AD		\$ 7,680,000	
			5311	AD		\$ 14,330,000	
Change	TM-0027*	Statewide, 5311 Administrative Funds for FTA Grants	S	AD			\$ 988,000
			L	AD			\$ 2,868,000
			5311	AD			\$ 16,428,000
Current	TM-0028	Statewide, 5311 Operating Funds for FTA Grants	L	OPER		\$ 817,000	
			5311	OPER		\$ 817,000	
Change	TM-0028*	Statewide, 5311 Operating Funds for FTA Grants	L	OPER			\$ 647,000
			5311	OPER			\$ 647,000
Current	TM-0031	Statewide, RTAP Statewide Funds for FTA Grants	RTAP	AD		\$ 280,000	
Change	TM-0031*	Statewide, RTAP Statewide Funds for FTA Grants	RTAP	AD			\$ 698,000
Current	TM-0032	Statewide, 5311 (F) Intercity Bus Funds for FTA Grants	5311	OPER		\$ 4,227,000	
Change	TM-0032*	Statewide, 5311 (F) Intercity Bus Funds for FTA Grants	L	OPER			\$ 12,607,000
			5311	OPER			\$ 12,607,000
Current	TO-0004	Statewide, System Safety Oversight Grant For NCDOT Rail Division	STATE	AD	\$ 88,000		
			SSO	AD	\$ 352,000		
Change	TO-0004*	Statewide, System Safety Oversight Grant For NCDOT Rail Division	STATE	AD			\$ 88,000
			SSO	AD			\$ 352,000

**Funding Sources Key:**

*5307: FTA Urbanized Area Formula Grants*

*5310: FTA Enhanced Mobility of Seniors & Individuals with Disabilities*

*5311: FTA Formula Grants for Rural Areas*

*5312: FTA Public Transportation Innovation*

*5339: FTA Bus & Bus Facilities*

*ARP: American Rescue Plan*

*FEDT: Undesignated Federal Transit Funds*

*L: Local Funds*

*RTAP: Rural Transportation Assistance Program*

*S: State Funds*

*SSO: State Safety Oversight*

*STBG: Surface Transportation Block Grant Program*

**Recommended Action & Next Steps:**

- TAC action to amend the FY 2020-2029 MTIP.
- NCDOT STIP actions to add nine new projects TA-6665, TC-0003, TC-0026, TM-0002, TM-0004, TM-0023, TM-0038, TQ-6954, and TU-0011 and to add funding in FY 2023 for eleven already programmed projects TC-0011, TC-0018, TC-0020, TC-0021, TG-0006, TM-0020, TM-0027, TM-0028, TM-0031, TM-0032, and TO-0004 at the May 5, 2022 Board of Transportation meeting.

**RESOLUTION AMENDING THE GREENSBORO URBAN AREA  
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:  
STATEWIDE TRANSIT AND RAIL AMENDMENTS**

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

WHEREAS, the Transportation Advisory Committee has reviewed the current 2020-2029 Metropolitan Transportation Improvement Program, adopted by the TAC on November 13, 2019 and has found that an amendment is needed; AND

WHEREAS, the NCDOT requested the MPO amend the 2020-2029 MTIP for twenty statewide transit and rail projects TA-6665, TC-0003, TC-0026, TM-0002, TM-0004, TM-0023, TM-0038, TQ-6954, TU-0011, TC-0011, TC-0018, TC-0020, TC-0021, TG-0006, TM-0020, TM-0027, TM-0028, TM-0031, TM-0032, and TO-0004; AND

WHEREAS, these amendments will add nine new projects TA-6665, TC-0003, TC-0026, TM-0002, TM-0004, TM-0023, TM-0038, TQ-6954, and TU-0011 and to add funding in FY 2023 for eleven already programmed projects TC-0011, TC-0018, TC-0020, TC-0021, TG-0006, TM-0020, TM-0027, TM-0028, TM-0031, TM-0032, and TO-0004; AND

WHEREAS, these amendments are needed to maintain STIP – MTIP consistency as well as to make Greensboro area transit agencies potentially eligible recipients; AND

WHEREAS, the NC Board of Transportation is to amend the STIP for all twenty projects at May 5, 2022; AND

WHEREAS, the Greensboro Urban Area conforms with the North Carolina State Implementation Plan for maintenance of the National Ambient Air Quality Standards; AND

WHEREAS, on April 2, 2021 the Federal Highway Administration and the Federal Transit Administration jointly certified that the MPO substantially meets the federal metropolitan transportation planning requirements, for a period of four years;

NOW Therefore be it resolved, by the Greensboro Urban Area Transportation Advisory Committee, to amend the Metropolitan Transportation Improvement Program for FY 2020-2029, for projects TA-6665, TC-0003, TC-0026, TM-0002, TM-0004, TM-0023, TM-0038, TQ-6954, TU-0011, TC-0011, TC-0018, TC-0020, TC-0021, TG-0006, TM-0020, TM-0027, TM-0028, TM-0031, TM-0032, and TO-0004 on this day, April 13, 2022.



\*\*\*\*\*

I, Marikay Abuzuaiter, TAC Chair,  
*(Name of Certifying Official) (Title of Certifying Official)*

do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Greensboro Urban Area TAC duly held on this day, April 13, 2022.

\_\_\_\_\_  
Chair, Transportation Advisory Committee

\*\*\*\*\*

Subscribed and sworn to me on this day, April 13, 2022.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_



## MPO Self-Certification Checklist for FY 2022-2023

The MPO must annually certify to the FHWA and the FTA that its planning process is addressing the major issues facing the area and is being conducted in accordance with all applicable requirements of various laws, including the Federal Transit Act, the Clean Air Act, Title VI of the Civil Rights Act of 1964, Infrastructure Investment and Jobs (IIJA) Act, and the Americans with Disabilities Act of 1990.

### Checklist

The following detailed checklist is a guide to the issues considered in this self-certification process.

1. Is the MPO properly designated by agreement between the Governor and 75% of the urbanized area, including the central city, and in accordance in procedures set forth in state and local law? *Yes*
2. Does the policy board include elected officials, providers of major modes of transportation, and appropriate state officials? *Yes*
3. Does the MPO boundary encompass the existing urbanized area and the contiguous area expected to become urbanized within the 20-year forecast period? *Yes*
4. Is there a currently adopted Unified Planning Work Program (UPWP)?
  - a. Is there an adopted prospectus? *Yes*
  - b. Are tasks and products clearly outlined? *Yes*
  - c. Is the UPWP consistent with the Metropolitan Transportation Plan (MTP)? *Yes*
  - d. Is the work identified in the UPWP completed in a timely fashion? *Yes*
5. Does the area have a valid transportation planning process?
  - a. Is the transportation planning process continuous, cooperative and comprehensive? *Yes*
  - b. Is there a valid MTP? *Yes*
  - c. Did the MTP have at least a 20-year horizon at the time of adoption? *Yes*
  - d. Does it address the 10 planning factors? *Yes*
  - e. Does it cover all modes applicable to the area? *Yes*
  - f. Is it financially constrained? *Yes*
  - g. Does it include funding for the maintenance and operation of the system? *Yes*
  - h. Does it conform to the State Implementation Plan (SIP)? *Yes*
  - i. Is it updated/reevaluated in a timely fashion (at least every 4 years)? *Yes*
6. Is there a valid Transportation Improvement Program (TIP)?
  - a. Is it consistent with the MTP? *Yes*
  - b. Is it fiscally constrained? *Yes*
  - c. Is it developed cooperatively with the state and local transit operators? *Yes*
  - d. Is it updated at least every 4 years and adopted by the MPO and the Governor? *Yes*

### Planning for the transportation future

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LEAD PLANNING AGENCY: CITY OF GREENSBORO DEPARTMENT OF TRANSPORTATION

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7. Does the area have a valid Congestion Management Process?
  - a. Is it consistent with the MTP? *Yes*
  - b. Was it used for the development of the TIP? *Yes*
  - c. Is it monitored and reevaluated to meet the needs of the area? *Yes*
8. Does the area have a process for including environmental mitigation discussions in the planning process? *Yes*
9. Does the planning process meet the following requirements of federal law?
  - a. Title VI: Are there procedures in place to address Title VI complaints and do they comply with federal regulation? *Yes*
  - b. Environmental Justice: Has the MPO identified low-income and minority populations within the planning area and considered the effects in the planning process? *Yes*
  - c. ADA: Are there procedures in place to address ADA complaints of non-compliance and do they comply with federal regulation? *Yes*
  - d. Disadvantaged Business Enterprises (DBE): Does the MPO have a DBE policy statement that expresses commitment to the DBE program? *Yes*
10. Does the area have an adopted Public Participation Plan?
  - a. Did the public participate in the development of the PPP? *Yes*
  - b. Was the PPP made available for public review for at least 45 days prior to adoption? *Yes*
  - c. Is adequate notice provided for public meetings? *Yes*
  - d. Are meetings held at convenient times and at accessible locations? *Yes*
  - e. Is the public given an opportunity to provide oral and/or written comments on the planning process? *Yes*
  - f. Is the PPP periodically reviewed and updated to ensure its effectiveness? *Yes*
  - g. Are plans/program documents available in an electronic accessible format, i.e. MPO Web site? *Yes*
11. Does the area have a process for including environmental, state, other transportation, historical, local land use and economic development agencies in the planning process? *Yes*

**RESOLUTION CERTIFYING THE GREENSBORO URBAN AREA  
METROPOLITAN PLANNING ORGANIZATION'S  
TRANSPORTATION PLANNING PROCESS FOR FY 2022-2023**

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 Transportation Advisory Committee has found that the Metropolitan Planning Organization is addressing the major issues facing the area through conducting the transportation planning process in a continuing, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 5303; this finding includes that

- the *Metropolitan Transportation Improvement Program FY 2020 – FY 2029* is a subset of the *2040 Metropolitan Transportation Plan* and that
- the Transportation Plan has a planning horizon year of 2045 and meets all the requirements for an adequate Transportation Plan; AND

**WHEREAS**, the Transportation Advisory Committee has found the transportation planning process to be in compliance with Sections 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c) and (d), and 40 CFR part 93); AND

**WHEREAS**, the Transportation Advisory Committee has found the Transportation Planning Process to be in full compliance with Title VI of the Civil Rights Act of 1964 (42 U.S.C 2000d-1), 49 CFR part 21, 49 U.S.C 5332, and Section 324 of title 23 U.S.C; AND

**WHEREAS**, the Transportation Advisory Committee has considered how the Transportation Planning Process will affect the involvement of Disadvantaged Business Enterprises in FHWA- and FTA-funded planning projects (Section 1101(b) of SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26) and affect equal employment opportunity program (23 CFR part 230); AND

**WHEREAS**, the Transportation Advisory Committee has considered how the Transportation Planning Process will affect the elderly and persons with disabilities per the provision of the Americans with Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations (49 CFR parts 27, 37, and 38);

**NOW, THEREFORE, be it resolved** that the Greensboro Urban Area Transportation Advisory Committee certifies the transportation planning process for the Greensboro Urban Area Metropolitan Planning Organization on this day April 13, 2022.

\*\*\*\*\*

I, Marikay Abuzuaiter, TAC Chair,  
*(Name of Certifying Official)* *(Title of Certifying Official)*

do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Greensboro Urban Area TAC duly held on this day April 13, 2022.

\_\_\_\_\_  
Chair, Transportation Advisory Committee

\*\*\*\*\*

Subscribed and sworn to me on this day April 13, 2022.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_.



To: TAC and TCC  
From: Tyler Meyer, AICP, Transportation Planning Manager & TCC Chair  
Subject: FY 2022-23 Unified Planning Work Program & MTIP modification  
Date: April 13, 2022

The Unified Planning Work Program (UPWP) will guide MPO planning activities for FY 2022-2023. The UPWP lists the projects, priorities and works tasks the GUAMPO will undertake during the fiscal year using funding provided from Federal, State, and local sources. It reflects the MPO's short-range planning needs and provides details on funding sources, agencies responsible for completing the described work, and the expected products of that work.


The UPWP provides the basis for coordinating metropolitan planning activities in the MPO planning area. The primary objective is to develop an integrated planning program which considers the planning activities of each transportation mode and coordinates these activities to produce a plan that serves the needs of the area. The UPWP is developed using the Metropolitan Transportation Plan (MTP) as the planning guidance document.

Many of the tasks outlined in the UPWP are required by either State or Federal law and are ongoing. At the Federal level, these include the development of the fiscally-constrained MTP, the Transportation Improvement Program (TIP), and implementation of the Congestion Management Process (CMP) and performance-based planning requirements. At the State level, NC General Statute 136-66.2 requires that each MPO develop a Comprehensive Transportation Plan (CTP). The Strategic Transportation Investments Law (Chapter 136 Article 14B) requires each MPO to fulfill a range of important functions in the identification, prioritization, and programming of transportation projects and development of the Transportation Improvement Program.

Funding for transportation planning includes product of Federal, State and local funding sources with the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) providing 80 percent of the funding for local planning. For FHWA funds, the remaining 20 percent is the required match for Federal funds and is provided by local jurisdictions. For FTA funds, the remaining 20 percent is split between local funds and state funds. Local funds are provided by the Lead Planning Agency, the City of Greensboro, except where otherwise noted.

**Lead Planning Agency: City of Greensboro Department of Transportation**

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## FY 2023 UPWP Funding Totals

Funding Source	Federal Funding	Local Match	State Match	Total
<b>FY 23 Funds</b>				
FHWA PL	\$455,900	\$113,975	N/A	\$569,875
FHWA BGDA	\$500,000	\$125,000	N/A	\$625,000
FTA 5303	\$399,081	\$49,885	\$49,885	\$498,851
<b>FY 23 Totals</b>	<b>\$1,354,981</b>	<b>\$288,860</b>	<b>\$49,885</b>	<b>\$1,693,726</b>
<b>FY 22 Carryover Funds</b>				
FHWA SPR: Triad Household Travel Survey	\$791,040	\$98,880	\$98,880	\$988,800
<b>Carryover Totals</b>	<b>\$791,040</b>	<b>\$98,880</b>	<b>\$98,880</b>	<b>\$988,800</b>
<b>Grand Total</b>	<b>\$2,146,021</b>	<b>\$387,740</b>	<b>\$148,765</b>	<b>\$2,682,526</b>

### Amendments

It is anticipated that future amendments to the FY 2023 UPWP may be needed during the course of the year. Amendments may be processed to adjust level of effort between tasks, to respond to emerging priorities, and to adjust overall funding levels when needed.

### Agency to Perform Work

Except where otherwise noted, all work will be completed by the Lead Planning Agency, the City of Greensboro Department of Transportation, either in whole or in coordination with MPO member agencies or regional partners.

### Recommended Action & Next Steps

- Approve UPWP & modify MTIP on April 13, 2022 following annual MPO self-certification.
- NCDOT & FHWA approval will follow.

### Enclosures

- FY 23 Work Narrative
- UPWP Administrative Table
- FTA Task Narrative
- MTIP Modification for BGDA
- Long Range Planning Calendar
- Anticipated DBE opportunities
- Prior Year Accomplishments Report
- Approval Resolution



# GUAMPO FY 2022-2023 UPWP Task Narrative

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## II-A-1 Networks and Support Systems

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### *System Usage Data*

- Collect or obtain traffic volumes and speed and bicycle and pedestrian volume data. Maintain permanent count stations, deploy temporary counters, and purchase equipment and software as needed.
- Assess options for improving count programs and data sources, including options for an expanded bicycle and pedestrian count program. Implement findings as appropriate.
- Collect, process, maintain, and analyze freight information, crash data, socioeconomic data, and environmental data.
- Purchase software subscriptions and/or processed data including real time data services relating to motorized traffic counts, speeds, and origins and destinations; bicycle and pedestrian travel; micromobility travel and deployments; and freight data.
- Create, maintain, and update geodatabases to catalog and access multimodal usage data, crash data, and related data sets. Purchase specialized database and analysis software as needed for this task.

### *Transit Data & Planning Support*

- Maintain GTA's GTFS feed, keep it up to date, and implement protocols for managing it effectively.
- Collaborate with GTA to implement its new CAD/AVL software and hardware, aligning the GTFS with the new system.
- Evaluate ridership and schedule adherence for GTA Fixed Routes and HEAT service.
- Use transit analysis software to evaluate service changes, identify productive route modifications, and plan new transit routes and services.
- Forecast paratransit and fixed route ridership
- Manage and analyze data and study ridership trends on fixed route as well as boardings and alightings by stop to support short term service needs and the bus stop consolidation and improvement program.
- Restructure the city's bus stop planning program in three phases to ensure adequate infrastructure for public transportation:
  - 1) planning and analysis – data cleanup and maintenance will enable GTA to accurately prioritize improvements, including ADA updates, shelter construction, and Mobility Hub construction. GTA/MPO/Engineering will complete a stop consolidation process to improve stop placement for safety and efficiency
  - 2) project management and implementation – to construct new infrastructure in a timely manner the project management process will improve coordination between the many stakeholders involved and elevate public transportation projects with higher priority; and
  - 3) maintenance – to ensure bus stop infrastructure remains adequate and stop level assets are maintained, GTA will connect its stop assets into the City's EAM system to create work orders and will contract a dedicated sign and stop crew.

### *Safety Data & Planning Support*

- Process crash data, maintain crash databases, and conduct crash analyses for all travel modes.
- Work with NC Vision Zero and the Vision Zero Greensboro Initiative to mine additional data sources.
- Develop a platform for data and information sharing among relevant agencies and/or public to facilitate further analysis and outreach.
- Conduct pedestrian studies as needed.

### *Infrastructure Data*

- Use sidewalk, greenway, and curb ramp condition data to prepare and update analyses of repair, reconstruction, and modernization needs.
  - Produce a sidewalk maintenance needs assessment based on City ADA Transition Plan data.
  - Update greenway maintenance needs assessment as needed.

## GUAMPO FY 2022-2023 UPWP Task Narrative

- Maintain and update geodatabases for biped infrastructure including existing facility, planned projects, sidewalk and greenway condition, and curb ramps.
- Improve internal processes for regularly updating the bicycle and pedestrian network data.
- Collect other transportation infrastructure conditions data as needed.

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### II-A-2 Travelers and Behavior

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- PTRM Household Travel Survey: continue work begun in FY 2022 to administer the Household Travel Survey. MPO staff are administering the project in coordination with PART and NCDOT.

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### II-A-3 Transportation Modeling

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- Conduct model development and routine maintenance activities per the *FY 2023 Regional Model Work Plan*.
- Use the model to analyze travel patterns and activity and to prepare traffic forecasts as needed.
- Integrate regional freight model into the workflow in coordination with PART and NCDOT.

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### II-B-1 Target Planning

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- Collect, obtain, and monitor system performance data for the Congestion Management Process.
- Develop FTA mandated plan to guide transition of GTAs fleet to electric vehicles over time.
- Study emerging electric vehicle charging infrastructure needs and facilitate efforts to prepare for and support implementation.
- Assess freight issues and related transportation needs.
- Plan for climate change, resiliency, and natural disaster preparedness. Coordinate with appropriate public safety officials as needed.

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### II-B-2 Regional Planning

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#### *2045 Metropolitan Transportation Plan*

- Work to implement the 2045 MTP and support the goals it lays out, including goals in common with the Vision Zero Greensboro, the BiPed Plan, Mobility Greensboro 2040, and PLANIT GSO.
- Study emerging trends and their potential impact on the overall transportation system. Trends of interest include shared mobility, micromobility, online shopping impact on local roadways, post-pandemic mobility trends and more.

#### *Mobility Greensboro 2040 Long Range Public Transportation Plan*

- GTA will retain a consultant and initiate work on the Mobility Greensboro 2045 Transit Master Plan. The work will include updating the plans goals and objectives, existing conditions, user and public preferences, route design and redesign options, new service priorities, options for enhancing revenues and funding for transit, and the potential role for mobility hubs, microtransit, and technology to improve transit service delivery and user experience.
- Pursue strategic partnerships with businesses, institutions, and the community.
- Coordinate with traffic engineers and land-use planners about implementation of roadway design, and land-use policies to enact comprehensive improvements to GTA's system.
- Create presentation materials to facilitate conversations about tradeoffs and decision making.
- Support development of financial strategies to support operations, maintenance, and capital funding.

# GUAMPO FY 2022-2023 UPWP Task Narrative

## *Bicycle, Pedestrian, Greenways and Trails Master Plan*

- Continue to reevaluate pedestrian recommendations including for sidewalk construction, pedestrian crossing improvements, and maintenance issues.
- Continue to reevaluate bicycle facilities recommendations.
- Work with Parks & Recreation and stakeholder agencies to continue to prioritize and refine greenway recommendations.
- Prepare an amendment to the 2015 BiPed Plan/ 2018 BiPed Amendment as needed to keep project recommendations current.
- Coordinate and support bicycle and pedestrian education and promotion, including Bike Month.
- Oversee the Shared Micromobility Services Program. Coordinate with operator, mobility data platform service, and stakeholders for program development, public education, rider safety and permit compliance.
- Coordination on developing and maintaining greenways of regional significance.
- Provide technical assistance for bicycle and pedestrian planning issues, studies, and initiatives.

## *Vision Zero Greensboro Action Plan*

- Complete an update to the Vision Zero Greensboro Action Plan and incorporate elements to assess crash trends, hot spots, and needs outside the City of Greensboro to the extent the data allows. Include an assessment of options for developing a cleaned and accurate data set for analyzing crashes outside the City.
- Support implementation of MPO safety programs under the priorities of the Action Plan.
- Cultivate and maintain partnerships with public health, law enforcement, education, and others on data sharing and implementation. This includes establishment of ongoing consultative structures, such as topical working groups and/or advisory committees
- Implement and coordinate pedestrian and bicycle safety education and enforcement programs such as Watch for Me NC and Safe Route to School in conjunction with area law enforcement agencies.
- Identify and prioritize infrastructure improvement needs, policy changes, and other steps.
- Promote safety initiatives outside of the City of Greensboro in cooperation with Division 7 and area officials.

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## II-B-2 Special Studies

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### *Greensboro Downtown Parking Plan*

- Develop a Greensboro Downtown Parking Plan. The plan will focus on the City Center (within the Downtown Greenway Loop) but will address broader parking policies, practices, and issues as well. The plan will facilitate a current understanding of downtown parking demand, stakeholder preference, and options for the future. The plan will support updating policies for parking costs, curb management, enforcement, electrification, multi-modal elements and supply management, including where new parking structures may be needed and where current surface lots may be strategic candidates for conversion to other land uses.

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## III-A-1 Planning Work Program

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- Administer the FY 2022-23 UPWP. Prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2023-2024 UPWP.

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## III-A-2 Metrics and Performance Measures

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- Collect, analyze, and publish data to support performance measures and meet federal performance measure establishment and reporting requirements.

## GUAMPO FY 2022-2023 UPWP Task Narrative

- Report progress on performance targets for PM2 and PM3 as well as transit asset management and transit agency safety plans.
- Update highway and transit safety targets annually.
- Monitor the established CMP.

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### III-B-1 Prioritization

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- Implementation of the MPO Ranking Process for Prioritization 6.0 was suspended due to TIP cost increases not leaving enough funding for new projects. Instead, NCDOT will implement a process to identify which current STIP projects to retain and which to deprogram to bring the STIP into balance. The MPO will coordinate with NCDOT if project substitution proposals appear warranted and consistent with NCDOT guidelines on the substitution process.
- Work with NCDOT and GDOT traffic engineering to conduct detailed evaluation of transportation needs and identification of prioritization candidates. Conduct detailed work on scoping, refining, and documenting the need or likely scope and cost of such projects, including by coordinating with NCDOT on express designs and conducting the local equivalent where appropriate.
- Assess infrastructure improvement needs to identify candidate projects for NCDOT Prioritization, High Impact/Low Cost program, MPO DA funding, and/or local funding.
- Issue a call for Transportation Alternatives DA projects.

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### III-B-2 Metropolitan TIP

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- Process amendments to FY 2020-2029 MTIP and ensure consistency with the STIP.
- Maintain and update “current MTIP as amended” / live MTIP posted online after every MPO meeting to keep it up to date
- Administer TAPDA program.
- Manage the MPO’s locally administered federal and state project programs, including agreements and ensuring MTIP consistency. Participate in the NCDOT project development, environmental study, and permitting process for area projects.
- Administer FY 2020-2022 Transit Resource Allocation Plan and develop the FY 2023-2024 update.
- Update annual Program of Projects to administer transit projects.
- Oversee local government federal-aid project development activities for pedestrian and bicycle facilities, transit, and highway improvements.
- Coordinate review and involvement for local government feedback on NCDOT project designs.
- Coordinate with other agencies (NCDOT, PART) and city departments (Engineering, Engineering & Inspection, Parks & Rec) for project implementation, project planning, and travel modelling.

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### III-B-3 Merger/Project Development

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- Coordinate the review and involvement of local governments with to provide feedback on NCDOT project designs, project development activities, and federal funding timelines.
- MPO representatives will participate in NCDOT project development, environmental, and permitting processes.

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### III-C-6 Public Involvement

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- Provide for an open exchange of information and ideas between the public and transportation policy makers

## GUAMPO FY 2022-2023 UPWP Task Narrative

and staff.

- Conduct public involvement activities for MPO documents and processes.
- Provide support for public education and information campaigns for transportation project information as well as bicycle and pedestrian safety education initiatives.
- Increase public awareness of pending projects, such as the use of the online Roadway Project Locator tool, the Project Update Newsletter, and social media.
- Reassess and refine the Public Participation Plan as appropriate.

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### III-D-1 Statewide & Extra-Regional Planning

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- Actively participate in NCAMPO. Attend board meetings, participate in annual conference development session development committee, participate on transit working group, and contribute to development of organizational priorities as well as official requests or comments on behalf of the group.
- Participate in statewide and other NCDOT planning and prioritization activities, including STI Workgroup.

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### III-E Management, Operations & Program Support

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- Administer the MPO planning process including TAC and TCC meeting logistics, agendas and correspondence.
- Administer public involvement activities, including public meetings, outreach efforts, and the BPAC.
- Update Public Participation Plan as needed.
- Conduct staff development and training activities to support MPO planning and administration functions. This includes webinars, classes, and conferences. Conferences will include AMPO, NCAMPO, NCSITE, NC Bike Summit, NC Transportation Summit, Women in Engineering, and the Transportation Research Board Annual meeting and others.
- Maintain membership and involvement in AMPO.
- Participate in statewide and other NCDOT planning and prioritization activities, including STI Workgroup.

**GUAMPO UPWP FY 2022-2023: Administrative Table**

FTA CODE	TASK CODE	TASK DESCRIPTION	MPO Planning - PL104			BGDA			SPR				Transit Planning - 5303				OVERALL TOTALS			
			Local 20%	Federal 80%	Total 100%	Local 20%	Federal 80%	Total 100%	Local 10%	State 10%	Federal 80%	Total 100%	Local 10%	State 10%	Federal 80%	Total 100%	Local	State	Federal	Grand Total
<b>II-A Data and Planning Support</b>																				
44.24.00	II-A-1	Networks and Support Systems	\$ 25,000	\$ 100,000	\$ 125,000	\$ 75,000	\$ 300,000	\$ 375,000					\$ 10,000	\$ 10,000	\$ 80,000	\$ 100,000	\$ 110,000	\$ 10,000	\$ 480,000	\$ 600,000
44.23.01	II-A-2	Travelers and Behavior	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
44.23.02	II-A-3	Transportation Modeling	\$ 17,500	\$ 70,000	\$ 87,500												\$ 17,500	\$ -	\$ 70,000	\$ 87,500
<b>II-B Planning Process</b>																				
44.23.02	II-B-1	Target Planning	\$ 10,000	\$ 40,000	\$ 50,000												\$ 10,000	\$ -	\$ 40,000	\$ 50,000
44.23.01	II-B-2	Regional Planning	\$ 25,000	\$ 100,000	\$ 125,000								\$ 39,885	\$ 39,885	\$ 319,081	\$ 398,851	\$ 64,885	\$ 39,885	\$ 419,081	\$ 523,851
44.27.00	II-B-3	Special Studies	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
44.27.00	II-B-3A	Downtown Parking Plan				\$ 50,000	\$ 200,000	\$ 250,000									\$ 50,000	\$ -	\$ 200,000	\$ 250,000
<b>III-A Planning Work Program</b>																				
44.21.00	III-A-1	Planning Work Program	\$ 1,250	\$ 5,000	\$ 6,250												\$ 1,250	\$ -	\$ 5,000	\$ 6,250
44.24.00	III-A-2	Metrics and Performance Measures	\$ 2,500	\$ 10,000	\$ 12,500												\$ 2,500	\$ -	\$ 10,000	\$ 12,500
<b>III-B Transp. Improvement Plan</b>																				
44.25.00	III-B-1	Prioritization	\$ 9,750	\$ 39,000	\$ 48,750												\$ 9,750	\$ -	\$ 39,000	\$ 48,750
44.25.00	III-B-2	Metropolitan TIP	\$ 5,000	\$ 20,000	\$ 25,000												\$ 5,000	\$ -	\$ 20,000	\$ 25,000
44.25.00	III-B-3	Merger/Project Development	\$ 1,000	\$ 4,000	\$ 5,000												\$ 1,000	\$ -	\$ 4,000	\$ 5,000
<b>III-C Cvl Rgts. Cmp./Otr. Reg. Reqs.</b>																				
44.27.00	III-C-1	Title VI Compliance	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
44.27.00	III-C-2	Environmental Justice	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
44.27.00	III-C-3	Minority Business Enterprise Planning	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
44.27.00	III-C-4	Planning for the Elderly	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
44.27.00	III-C-5	Safety/Drug Control Planning	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
44.27.00	III-C-6	Public Involvement	\$ 2,500	\$ 10,000	\$ 12,500												\$ 2,500	\$ -	\$ 10,000	\$ 12,500
44.27.00	III-C-7	Private Sector Participation	\$ -	\$ -	\$ -												\$ -	\$ -	\$ -	\$ -
<b>III-D Statewide &amp; Extra-Regional Planning</b>																				
44.27.00	III-D-1	Statewide & Extra-Regional Planning	\$ 1,250	\$ 5,000	\$ 6,250												\$ 1,250	\$ -	\$ 5,000	\$ 6,250
<b>III-E Management Ops, Program Suppt Admin</b>																				
44.27.00		Management Operations	\$ 13,225	\$ 52,900	\$ 66,125												\$ 13,225	\$ -	\$ 52,900	\$ 66,125
<b>TOTALS:</b>			<b>\$ 113,975</b>	<b>\$ 455,900</b>	<b>\$ 569,875</b>	<b>\$ 125,000</b>	<b>\$ 500,000</b>	<b>\$ 625,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 49,885</b>	<b>\$ 49,885</b>	<b>\$ 399,081</b>	<b>\$ 498,851</b>	<b>\$ 288,860</b>	<b>\$ 49,885</b>	<b>\$ 1,354,981</b>	<b>\$ 1,693,726</b>
			Local	Federal	Total	Local	Federal	Total	Local	State	Federal	Total	Local	State	Federal	Total	Local	State	Federal	Grand Total
			PL 104			BGDA			SPR				5303				Totals			
<b>FY22-funded special studies continuing in FY23 (FY22 funds)</b>																				
II-A-2 PTRM Household Survey									\$ 98,880	\$ 98,880	\$ 791,040	\$ 988,800								
<b>Totals- FY22-funded studies that will be completed in FY 23</b>									\$ 98,880	\$ 98,880	\$ 791,040	\$ 988,800								

### FTA Task Narrative

1-	MPO Name	Greensboro Urban Area MPO
2-	FTA Code	44.24.00
3-	Task Code	II-A-1
4-	Title of Planning Task	Networks & Support Systems
5-	Task Objective	MPO Staff & GTA will manage and analyze data and study ridership trends on fixed route as well as boardings and alightings by stop to support short term service needs and the bus stop consolidation and improvement program. Work will also include forecasting paratransit and fixed route ridership and implementing the findings of the ADA Operational Analysis completed in FY 2022.
6-	Tangible Product Expected	Staff positions executing work functions noted above. Software and data purchases as needed to support said work.
7-	Expected Completion Date of Product(s)	June 2023
8-	Previous Work	MPO Transit Planner and Transit Systems Planner staff work. Also ADA Operational Analysis Ph 1 & 2 prepared by a consultant
9-	Prior FTA Funds	FY 21 - \$150,000 Phase 1; FY 22 \$100,000 Phase 2 ADA Operational Analysis
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	GTA, MPO Transportation Planning Staff, and Consultants
12-	HPR - Highway - NCDOT 20%	
13-	HPR - Highway - FHWA 80%	
14-	Section 104 (f) PL Local 20%	
15-	Section 104 (f) PL FHWA 80%	
16-	Section 5303 Local 10%	\$10,000
17-	Section 5303 NCDOT 10%	\$10,000
18-	Section 5303 FTA 80%	\$80,000
19-	Section 5307 Transit - Local 10%	\$100,000
20-	Section 5307 Transit - NCDOT 10%	
21-	Section 5307 Transit - FTA 80%	
22-	Additional Funds - Local 100%	



## FTA Task Narrative

MPO Name	Greensboro Urban Area MPO
FTA Code	44.23.01
Task Code	II-B-2
Title of Planning Task	Regional Planning
Task Objective	GTA will retain a consultant and initiate work on the Mobility Greensboro 2045 Transit Master Plan. The work will include updating the plans goals and objectives, existing conditions, user and public preferences, route design and redesign options, new service priorities, options for enhancing revenues and funding for transit, and the potential role for mobility hubs, microtransit, and technology to improve transit service delivery and user experience.
Tangible Product Expected	Technical memoranda on existing conditions, route design, new service prioritization, revenue enhancement strategy, and public involvement documentation. Final report will be completed in FY 24.
Expected Completion Date of Product(s)	June 2024
Previous Work	Mobility Greensboro 2040 implementation including service enhancements, GTFS & other data clean up, and development of a new bus shelter implementation work
Prior FTA Funds	\$140,800 5303 towards updating Mobility Greensboro 2040 in 2018-2019
Relationship To Other Activities	
Agency Responsible for Task Completion	GTA, MPO Transportation Planning Staff, and Consultants
HPR - Highway - NCDOT 20%	
HPR - Highway - FHWA 80%	
Section 104 (f) PL Local 20%	
Section 104 (f) PL FHWA 80%	
Section 5303 Local 10%	\$39,885
Section 5303 NCDOT 10%	\$39,885
Section 5303 FTA 80%	\$319,081
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

## FY 2020-2029 MTIP Modification for BGDA Supplemental Funds

			FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
U- 6085/M- 0433	Various, Supplemental Funding for Geensboro Urban Area MPO Unified Planning Work Program	L	<u>\$125,000</u>	<u>\$125,000</u>	<u>\$125,000</u>	<u>\$125,000</u>	<u>\$125,000</u>
		BGDA	<u>\$500,000</u>	<u>\$500,000</u>	<u>\$500,000</u>	<u>\$500,000</u>	<u>\$500,000</u>

**Notes:**

*Gray shading = prior listings, unshaded = revised listings, underlined = revisions,*

**Funding**

**Sources Key:**

**BGDA:** *Surface Transportation Block Grant, Direct Apportionment*

**L:** *local matching funds*

# Long Range Planning Calendar

	22-23	23-24	24-25	25-26	26-27
<b><u>Surveillance of Change</u></b>					
ongoing data collection					
<b><u>Metropolitan Transp. Plan</u></b>					
Travel Demand Model freight enhancements					
PTRM Household Travel Survey					
Implement New Regional Travel Demand Model designed for ongoing enhancement & data collection					
Update CTP, Thoroughfare & Collector Plans					
Develop Downtown Parking Plan					
Update Mobility Greensboro 2045					
Update Bicycle & Pedestrian Plan					
Develop MTP Update					
Congestion Management Process Update					
Update Coordinated Human Services Transportation Plan					
<b><u>Planning Work Program</u></b>					
ongoing activities					
<b><u>Transp. Improvement Program</u></b>					
ongoing TIP administration					
administer 2020-2029 TIP					
develop 2024-2033 TIP					
develop 2026-2033 TIP					
<b><u>Cvl Rgts. Cmp./Otr .Reg. Reqs.</u></b>					
Environmental Justice analysis & outreach efforts - ongoing					
<b><u>Incidental Plng./Project Dev.</u></b>					
ongoing activities					
<b><u>Management &amp; Operations</u></b>					
ongoing activities					

**Key:**  
work and/or MPO action required:   
minimal work needed:   
TBD:

## Anticipated DBE Contracting Opportunities for 2022-2023

Name of MPO: Greensboro Urban Area MPO \_\_\_\_\_ Check here if no anticipated DBE opportunities

Person Completing Form: Bruce Adams \_\_\_\_\_ Telephone: 336-412-6237

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, etc.)	Federal Funds to be Contracted Out	Total Funds to be Contracted Out
II-B-2 44.23.01	Mobility Greensboro 2045 Transit Master Plan	City of Greensboro/Greensboro Transit Agency	Consultant	\$319,081	\$398,851

**Sample Entry:**

II-C-11	Transit Plan Evaluation	Big City Planning Department	Consultant	\$48,000	\$60,000
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**Note: This form must be submitted to NCDOT-IMD even if no DBE Contracting Opportunities are anticipated. Note “No contracting opportunities” on the table if you do not anticipate having any contracting opportunities.**

## **FY 2020-2021 GREENBORO URBAN AREA UNIFIED PLANNING WORK PROGRAM End of Year Accomplishments Report**

Greensboro Urban Area MPO accomplishments for FY 2020-2021:

### **Data & Planning Support**

- Worked on sidewalk condition data processing. Analyzed sidewalk condition index and developed method to prioritize locations for sidewalk repairs.
- Maintained and updated the status of the sidewalk condition index layer and prioritized locations for sidewalk repairs.
- Updated the Atlas Points of Interest database and submitted to NCDOT.
- Updated the Pedestrian and Bicycle Infrastructure Network geodatabase and submitted to NCDOT.
- Ongoing traffic counting and data analysis.
- Ongoing traffic counting and data analysis for motorized and nonmotorized traffic (includes using Streetlight platform).
- Continued to work with Traffic Engineering to maintain the bicycle and pedestrian counting equipment (Eco Counter) in short-term stations.
- Coordinated with ITRE and NCDOT for guidance and support on maintenance of Eco counters.
- Reviewed other counting options.
- Purchase of Streetlight Data.
- Purchase of ArcGIS Insights.
- Vision Zero Greensboro multimodal safety analysis, and coordination with NCDOT and GPD on crash data delivery process updates.
- Crash data analysis to support project identification for roadway, bicycle, pedestrian, and transit.
- Entered data for GIS-based crash analysis database (including bicycle and pedestrian crashes).
- Coordinated with Greensboro Police Department, ITRE and NCDOT to improve crash data integrity.
- Ongoing model team discussions for the Piedmont Triad Regional Model (PTRM), coordinating with model team on PTRM v 5.1 update. Work included model data collection and management for freight and GIS / parcel data as well as model updating for traffic conditions and networks reflecting the updated MTIP projects. Coordinated with model team on PTRM v 5.2 update and release. Work included model data collection and model updating for traffic conditions and networks reflecting the updated MTIP projects.
- Calculated future volumes for requested intersections or corridors.
- PTRM Socioeconomic summary development for TAC review and endorsement.
- PTRM Freight model development and including assisting in getting freight (large and small) to participate in survey.
- Coordinated with PART as well as partner agencies and departments on Piedmont Triad Regional CommunityViz Model preparation. Participated the CommunityViz steering committee and user group meetings to support the development of the model process.
- Coordinate with NCDOT, PART and City Procurement department on PTRM Household Survey project 2022 SPR fund application and RFQ release preparation.
- Attended PART Executive Model Team, model team Meetings and CommunityViz meetings.
- Coordinated GTA's full-service implementation, post-COVID reductions, including a new Route 17 (Lawndale) service. Focused on updating live-tracking and trip planning software by updating the GTFS feed.
- Started developing a transit data cleanup and data maintenance program, beginning with GTA's GTFS.
- Researched and sought a centralized GTFS management tool to improve GTA's data and interface with its numerous applications.
- Re-contracted Transit Boardings Estimation and Simulation Tool (TBEST) Hosting Service and continued using it to collect estimates to inform Prioritization 6.0 scores and to inform budget decisions.
- Planned a new bus stop inventory monitoring stop assets, ADA accessibility and infrastructure condition.
- Began an automated passenger counter (APC) data visualization software pilot with the company HopThru.
- Began planning process for the Piedmont Triad Transportation Demand Management (TDM) team meetings led by PART with Winston-Salem, High Point and Burlington MPOs.
- Outlined updating the Bus Stop Planning Program to include data analysis/planning, project management, and maintenance.

## **Planning Process**

- Completed 2045 MTP update. Approved 2045 Metropolitan Transportation and Comprehensive Transportation Plans
- Initiate 2045 MTP update chapters and analysis.
- Public outreach for 2045 MTP and CTP update including uploading documents to Arcgis Hub
- Utilizing TBEST ridership estimations to prioritize sequential order of future enhancements for MTP.
- Acquired license for Urbineris, a centralized GTFS management tool to improve GTA's data and interface with numerous applications. Used this tool to create a clean GTFS to support Mobility GSO 2040 priority assessment and a range of other applications.
- Modified 2045 MTP update by making minor document corrections, partly in response to public comments received.
- CMP Update finalize
- Approved 2020 Congestion Management Process Modification putting document in new online story map format and adding additional measures of congestion.
- CTP data preparation, staff coordination, and NCDOT input.
- Vision Zero Greensboro safety analysis and coordination with NCDOT.
- Worked with other departments to update the ADA Transition Plan for the City of Greensboro.
- Continued CTP update to address comments from Transportation Planning Branch.
- Ongoing evaluation of GTA's Mobility Greensboro 2040 plan implementation priorities.
- Began GTA's Business Plan 2021 update, aligning it with Mobility Greensboro 2040 and the MTP.
- Supporting the City's new Comprehensive Plan update effort: working with Planning department and data team to update Comprehensive Plan.
- Participated in first comprehensive Area Planning existing conditions study since the GSO2040 Comp Plan's adoption with Planning, Neighborhood Development, Libraries, Parks and Recreation, and Transportation along the E Gate City corridor.

## **Administration**

- Amendment of FY 2019-2020 and FY 2020-2021 Unified Planning Work Programs.
- Filed fourth quarter invoice and administered the 2019-2020 Unified Planning Work Program.
- Annual MPO self-certification at the May meeting.
- FY 2022 UPWP adoption at the May meeting.
- Launched Vision Zero Greensboro outreach program What's Your Safe to the public.
- Worked with UNCG and Greensboro Police on Watch For Me NC.
- Initiated a new permit application period for the Shared Micromobility Service program and coordinated a three-phased review of the permit applications with UNC-Greensboro.
- Proposed ordinance changes related to the operation of electric scooters (e-scooters) and the permit process for the Standup E-Scooter Share pilot program, resulting in a new classification of micromobility vehicles and a Shared Micromobility Services Program.
- Finalized selection of the new operator for the updated Shared Micromobility Services and entered contract to start operations on April 1.
- Deadline for call for Section 5310 projects. Staff reviewed and scored applications for funding, and prepared funding recommendations to TAC. TAC approved project awards at the June Meeting.
- Prepared FY 2021 Program of Projects, conducted public involvement, and adopted at the June Meeting.
- Maintained "Current MTIP" database and MPO webpage reports. With regular updates after each TAC meeting, these provide the reader a current, up to date version of the MTIP.
- Analyzed and finalized allocations of FTA 5307 and 5339 funds to area transit agencies per the Transit Resource Allocation Plan
- 2020-2029 MTIP development, public review, and TAC adoption.
- Maintained "Current MTIP" database and MPO webpage reports. With regular updates after each TAC meeting, these provide the reader a current, up to date version of the MTIP.
- Prepared thirteen sets of MTIP/STIP amendments / administrative modifications.
- Approved 2020 Memorandum of Agreement for Air Quality Conformity.

- Set 2021 Safety Performance Measure Targets.
- Set 2021 Transit Performance Measure Safety Targets.
- Updated the City's Capital Improvement Program with updated transportation projects.
- Actively participating in the design reviews of federally funded sidewalk and roadway projects. Worked with local government to ensure proper progression of project timelines. Evaluated sidewalk requests and timelines for additional pedestrian enhancement projects.
- Conduct monthly meetings with City departments for updates and to coordinate on STBG, STBG-DA, CMAQ, and TAP funded projects
- Held monthly meetings with local staff and NCDOT Division 7 to review status of projects covered by Municipal Agreements.
- Coordinated with City Engineering & Inspections on a new City funded professional services agreement for support in preparation of PCEs and associated documents.
- Coordination on HSIP eligible projects with Regional Traffic Safety Engineer.
- Evaluated and analyzed projects for P6.0; coordination with NCDOT and local jurisdictions.
- Participated in ten general NCDOT project meetings. Also prepared and conducted ten projects coordination meetings with Division 7.
- Worked on PCE documents and consultation forms for U-5532K, U-5532I, U-5532H, U-5532G, EB-5878, EB-5877, EB-6037C, EB-5985, and C-5555E ; coordinated with City Engineering & Inspections on a new City funded professional services agreement for support in preparation of PCEs and associated documents.
- Worked with NCDOT towards approval of contract awards for the STP-DA, CMAQ, TAP & Enhancement funded sidewalks, and on establishing needed supplemental agreements to existing projects. Agreements were modified and/or processed for the following projects: EL-5101DJ, EL-5101DL, C-5555E, EB-5883, EB-5987, U-5883, U-5532E, U-5532F, U-5532G, U-5532I, WBS 49227, EB-5518, EL-5101DM, U-5326, M-0533CE.
- Participating in E Gate City Corridor/Subarea a planning process alongside Planning, Neighborhood Development, Libraries, Parks and Rec and Transportation.
- Participated in Piedmont Legacy Trails Steering Committee to coordinate efforts around regional trail and greenway projects in the Piedmont Triad.
- Helped GTA finalize STI funding arrangements for TD-5279 Depot Renovations agreement.
- Developed project timeline and drafted a RFP for the Digital Divide and Broadband Equity project funded under the HOPE Grant.
- Awarded HOPE Grant funding for Digital Divide and Broadband Equity project to begin in summer of 2021
- CMAQ Analysis for GTA FFY22 Bus Replacement.
- Attended monthly meeting with Park & Rec to review status of greenway and trail projects and program.
- Coordinated with Parks and Recreation to prioritize segments of greenway recommendations from the 2015 Bicycle, Pedestrian, and Greenways Master Plan based on the completion of and connections to the proposed Outer Loop Greenway.
- Actively participated in the review of resurfacing projects to implement new bicycle facilities as part of the Downtown Streetscape Master Plan.
- Evaluated bicycle network improvements as recommended for in the BiPed Plan Update and continued developing implementation plans for short-range network expansion.
- Drafted P6.0 purpose statements.
- Prepared and submitted Identified Needs and Complete Streets for BiPed, Roadway, and other projects for P6.
- Updated Public Participation Plan and sent to public for review.
- Completed public review and adopted 2020 Public Participation Plan.
- Launched Vision Zero Greensboro outreach program What's Your Safe to the public.
- Supported preparation and implementation of bike month activities in the MPO area.

### **Management & Operations**

- Prepared for and conducted eight sets of TAC/TCC meeting.
- Prepared, coordinated, and participated in Federal Certification review with FHWA and FTA.
- Prepared MTIP/STIP amendments / administrative modifications.



- All TAC members completed annual filings to the North Carolina State Ethics Committee.
- Limited English Proficiency Plan update.
- Prepared for and conducted three Bicycle and Pedestrian Advisory meetings.
- Redesigned MPO website to improve functionality and accessibility.
- Staff conducted orientation of one new TAC member.
- Interviewing and hiring of roster employees to support MPO Planning work.
- MPO staff attended Triad RPO TCC/TAC meetings.
- Staff development & training.

**RESOLUTION APPROVING THE FY 2022-2023 UNIFIED PLANNING WORK PROGRAM AND  
MODIFYING THE FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM  
FOR THE GREENSBORO URBAN AREA**

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**, a comprehensive and continuing transportation planning program must be carried out cooperatively in order to ensure that funds for transportation projects are effectively allocated to the Greensboro Urban Area Metropolitan Planning Organization; AND

**WHEREAS**, the Greensboro Urban Area Metropolitan Planning Organization has been designated as the recipient of USDOT FHWA and FTA Metropolitan Planning Program funds; AND

**WHEREAS**, the Greensboro Urban Area Metropolitan Planning Organization has determined to supplement these funding allocations with Surface Transportation Block Grant Direct Apportionment funds and that a Transportation Improvement Program modification is needed to modify the supplemental funding amount for FY 2022-2023 and future years; AND

**WHEREAS**, the Greensboro Urban Area Metropolitan Planning Organization has made the prerequisite self-certification finding of compliance with federal requirements; AND

**WHEREAS**, the Transportation Advisory Committee agrees that the Unified Planning Work Program will effectively advance transportation planning for Fiscal Year 2022-2023;

**NOW THEREFORE** be it resolved that the Greensboro Urban Area Transportation Advisory Committee hereby approves the Fiscal Year 2022-2023 Unified Planning Work Program for the Greensboro Urban Area on this day April 13, 2022.

\*\*\*\*\*

I, Marikay Abuzuaiter, TAC Chair,  
*(Name of Certifying Official) (Title of Certifying Official)*

do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Greensboro Urban Area TAC duly held on this day, April 13, 2022.

\_\_\_\_\_  
Chair, Transportation Advisory Committee

\*\*\*\*\*

Subscribed and sworn to me on this day, April 13, 2022.

\_\_\_\_\_  
Notary Public

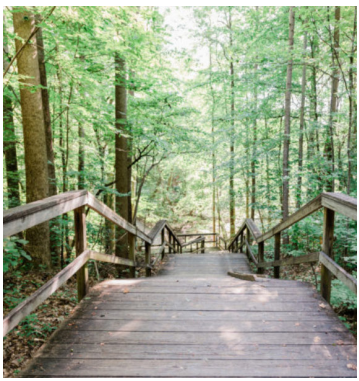
My commission expires \_\_\_\_\_

## Explore with Express.

As part of our Explore with Express series, this month's focus will be on our Route 3 High-Point Express. PART's routes 1, 2, and 3 seamlessly connect Winston-Salem, Greensboro, and High Point, making it as simple as a nice relaxing bus ride to navigate the Triad.

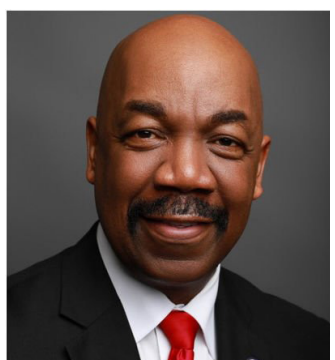
Most people know High Point as the Furniture Capital of the World. But, along with furniture, High-Point has many great things for visitors to enjoy, and the Piedmont Environmental Center is one such place. Located off Penny Road in High Point, the PART system makes it is easy to get to from neighboring cities. This exceptional Center provides programs and a place to learn, conserve and enjoy nature through hands-on experiences that focus on our fragile natural environment. It offers 6 miles of beautiful nature trails and planned educational classes for school groups and individual programs. It also houses a unique 70' x 30' walk-on topographic Mapscape of North Carolina, small animal exhibits, and has conference rooms and classrooms available to reserve. The High Point Greenway and the Greensboro Bicentennial Greenway join at the Piedmont Environmental Center, linking the Center to over a hundred miles of beautiful and extensive trail systems.

So, hop on a PART bus and get out and enjoy what the Triad has to offer! PART buses are climate controlled, bike-friendly, handicap accessible, have high back reclining seats and high ceilings. Riding with PART is easy, affordable, and very comfortable!



## PART's New Board Members

PART would like to welcome our two new Board Members, Martha Wolfe and Skip Alston. We are thankful for their service.



**Martha Wolfe**  
High Point MPO /  
TAC Chair

**Skip Alston**  
Guilford County Board of  
County Commissioners

**Goodbye TouchPass App...  
Hello  umo!**

The TouchPass App ends  
**March 31st.**  
Make the switch today -  
Before time runs out!

[www.partnc.org](http://www.partnc.org) / Umo 336-883-7278

## “Why isn’t there a bus stop at this corner?”



“I need the bus to arrive downtown 10 minutes earlier.” “If the bus went here, I could ride it to work.” These are the challenges that keep transit planners up at night! Designing public transportation routes and service is complex, with multiple factors to consider. For example, determining the safest and quickest way between destinations and identifying safe and accessible bus stops. Creating a schedule to accommodate travel needs and deciding when service should start/stop and which days it should run.

To help with these challenges, Transit Planners use mapping tools and data that focus on where people live and work to determine which communities would benefit from service. The Federal Transit Administration classifies PART’s service as an express commuter service, a specific type of service that connects neighboring communities. Most of the routes are long-running with limited stops. PART’s service enters and leaves downtown areas with reduced stops and travels primarily along an interstate or highway with the “doors closed”, connecting neighboring community partners we serve. Within our 10-county service area, routes have schedules designed to

accommodate commuters; others have frequent service throughout the day, servicing all types of trips.

In addition to maps and data, PART relies on input from local citizens. Service changes are generally the result of riders changing needs and suggestions, balanced with feasible and fundable, and aligned with our mission of *Connecting Communities*.

Public Transportation agencies have always needed to be fluid, changing as communities change, and are adapted to searching for creative ways to address mobility needs. However, a post-pandemic society delivered many new challenges. Our region, and the industry, have been impacted by a significant reduction in ridership. People started working from home, left the workforce in record numbers, and had concerns over catching the virus. Looking for ways to attract a new generation of riders while bringing back former riders will keep transit planners busy, and up at night, for the next few years!

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## Working to stay informed.

On February 24th, Piedmont Transportation Professionals hosted an event with NCDOT Integrated Mobility Division’s (IMD) John Vine-Hodge, Deputy Director, and Bryan Lopez, Regional Planning Manager, presenting. In 2019, NCDOT merged the Transit and Bike/Ped divisions to create this division. Over the course of that year, IMD established and began defining itself. John and Bryan took this opportunity to introduce the multimodal planning strategies & goals undertaken by IMD and review the programs and resources the unit has available.

Also presenting was Mark Kirstner, PART’s Director of Planning, focusing on Transportation Planning and Transportation Demand Management. The event hosted over 40 participants both virtually and in person.

