



Technical Coordinating Committee Meeting Agenda

Tuesday, January 26, 2:00 PM
WebEx Online Virtual Meeting

Action Items:

1. December 09, 2020 Meeting Minutes
2. 2021 Transit Safety Performance Measure Targets
3. MTIP Amendment and Modification: Rail Projects
4. MTIP Amendment: Statewide Transit Projects
5. MTIP Amendments and Modification: MPO Area Roadway Projects
6. MTIP Amendments and Modifications: Statewide Highway Projects

Business Items / Potential Action Item(s):

1. COVID-19 Relief Funding Update
2. Analysis of Rebalanced TIP Projects
3. Division Engineer Updates
4. Project Updates
5. Strategic Reports

Other Items

1. Member Updates
2. Wrap-Up

Lead Planning Agency: City of Greensboro Department of Transportation



PO BOX 3136
GREENSBORO NC 27402-3136



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Technical Coordinating Committee Agenda Summary

Tuesday, January 26, 2:00 PM
WebEx Online Virtual Meeting

Action Items:


2. **2021 Transit Safety Performance Measure Targets:** sets MPO level transit safety targets in cooperation with GTA and PART.
3. **MTIP Amendment and Modification: Rail Projects:** amends P-2918 and P-5719C and modify P-5700, P-5709, P-5713 and Y-4807B to update funding and adjust schedules.
4. **MTIP Amendment: Statewide Transit Projects:** adds thirteen statewide transit projects to maintain MTIP / STIP consistency and make MPO area transit agencies potentially eligible recipients.
5. **MTIP Amendments and Modification: MPO Area Roadway Projects:** amends HS-2007C and R-5787 and modifies R-4707 to adjust funding details and schedules.
6. **MTIP Amendments and Modifications: Statewide Highway Projects:** modifies HB-9999 Statewide Bridge Inspection Program and amends R-5966 Tribal Transportation Program.

Business Items / Potential Action Item(s):

1. **COVID-19 Relief Funding Update:** on the latest information from NCDOT.
2. **Analysis of Rebalanced TIP Projects:** review impacts of recent STIP rebalancing on MTIP schedules and funding levels.
3. **Division Engineer Updates:** review progress on key projects in the MPO area and current topics.
4. **Project Updates:** recent and upcoming project milestones and other information.
5. **Strategic Reports:** upcoming MPO work items and topics of current interest.

Lead Planning Agency: City of Greensboro • Transportation Department

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Technical Coordinating Committee Meeting Minutes of December 7, 2020

2:00 p.m., Greensboro, NC
WebEx Online Virtual Meeting

Attendance

Tyler Meyer	GDOT/MPO	Sean Taylor	Town of Oak Ridge
Hanna Cockburn	GDOT	Michael Abuya	NCDOT TPD
Chris Spencer	GDOT	Tamara Njegovan	NCDOT Div. 7
Denise Conway	GDOT	Stephen Robinson	NCDOT Div. 7
Craig McKinney	GDOT/MPO	Joe Geigle	FHWA
Lydia McIntyre	GDOT/MPO	Suzette Morales	FHWA
Tram Truong	GDOT/MPO	Glen Ayes	NCDOT Aviation Div.
Yuan Zhou	GDOT/MPO	Colin Frosch	Kimley-Horn
Chandler Hagen	GDOT/MPO	Nick Kuhn	Kimley-Horn
Gray Johnston	GDOT/GTA	Rhodes Hunt	Kimley-Horn
George Linney	GTA	Jeff Moore	Kimley-Horn
Harry Hopson	GTA	Adam Fischer	Ramey Kemp Associates
Elizabeth Jernigan	GSO Parks & Rec	Mark Kirstner	PART

Tyler Meyer called the meeting to order at approximately 2:22 PM.

Introductory Items

1. Orientation to WebEx Software

Lydia McIntyre welcomed everyone to the virtual meeting. Virtual meetings are required during the COVID-19 pandemic, and the MPO anticipates having virtual meetings until the state deems it safe for in person meetings.

The MPO has also made special arrangements for all public comments to be submitted prior to the TAC via email or by phone. Information about the new process was posted on the MPO website, and comments are due by 5:00 PM by December 8, 2021.

McIntyre gave a brief overview of the Cisco WebEx software, detailing the layout and features.

2. Roll Call

Lydia McIntyre took a roll call of everyone in the meeting for the record.

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McIntyre described the voting procedures for TCC members. All voting is to be done verbally, with a motion first, then a second. Members are asked to state their first and last name when the making a motion and second. Members will not be asked who is in favor or opposed, but instead, a roll call vote will be taken.

Action Items

1. August 18, 2020 Meeting Minutes

Mark Kirstner moved to approve the minutes of August 18, 2020. George Linney seconded. The TCC voted unanimously to approve.

2. 2045 Metropolitan Transportation Plan and Comprehensive Transportation Plan

Meyer stated this has been a huge work effort over the last several months. Meyer turned the meeting over to Lydia McIntyre to provide the presentation.

Lydia McIntyre stated there are two items, first was the 2045 Metropolitan Transportation Plan. Also known as the Long Range Plan updated every 5, years which is a requirement from federal regulations. The second document is the Comprehensive Transportation Plan, a document required by NCDOT and only the second update for this document to date.

The 2045 Metropolitan Transportation Plan (MTP) document includes both short term and long term projects. MTIP projects must be included in the MTP in order to move forward and amendments are necessary for the MTP in the case of new projects or if the scope of the project has changed. The MTP requires extensive analysis including the continued development of the Travel Demand Model. This is the first time the plan was presented electronically. There are 12 chapters with 3 appendices. Appendix A and B are complete and Appendix C will be included with a summary of the public outreach comments and responses after the plan has been approved. McIntyre encouraged everyone to look at the plan noting the environmental analysis section and two new chapters; Innovations to Planning and Emerging Trends. Emerging Trends look at emerging technology impacting transportation in the future. McIntyre suggested reviewing the Implementation Chapter as an introduction to the planning processes.

Any federal required document created by the MPO is required to have a 30 day public review period. The public review period was advertised in digital ads for 5 newspapers. A virtual presentation given on November 19, 2020. Social media posts garnered a good response on the MPO Facebook page and the City of Greensboro's Facebook page. Staff worked closely with City of Greensboro Communication Department to send out notices through Next Door neighborhoods using the app. Since the presentation, 201 users had engaged with the presentation via Facebook. The public comments and the MPO's response were included in the meeting packet and are available on the MPO web site. There were many comments on bicycle and pedestrian accommodations and transit. Connectivity needs were expressed regarding greenways, sidewalks, and access to bus stops. There were requests to make the transit routes more flexible and additional recommendations which are included in the packet. Staff will review all the comments as the next step. Edits will be made to incorporate needed changes and additions requested by commenters where feasible and appropriate. Comments requiring further evaluation in upcoming planning efforts will also be identified.

McIntyre stated the Comprehensive Transportation Plan (CTP) is required by NCDOT and mainly consists of maps. With the current CTP standards, NCDOT stated they wanted to expand the mapping beyond roadways to make the CTP multi-modal. The plan now includes highway, bicycle, pedestrian, rail and transit. The goal of the CTP is to support scoping future project recommendations. The MTP is fiscally constrained showing how infrastructure and expanded services supporting revenue sources would have to be in place to accomplish the identified projects. The CTP is not subject to fiscal constraint. The CTP was originally approved in 2010 and this is the second update. The maps have definitions for each classification.

Comments received on the CTP included recommendations for NCDOT to re-evaluate the classification for bicycling, pedestrian and transit. The commenter also suggested that the projects were not well coordinated, there were too many of them, and that there ought to be a clearer hierarchy of needed projects by mode to include micromobility.

McIntyre thanked staff for all of their diligent work and for completing the two documents on schedule and in good order. McIntyre noted only one motion was needed to recommend both documents to TAC for approval. Meyer clarified the TCC motion is a recommendation for TAC approval at their next meeting and asked for a motion and a second.

Chris Spencer moved to approve. Stephen Robinson seconded. The TCC voted unanimously to approve.

3. 2021 Safety Performance Measure Targets

Yuan Zhou stated many may already be familiar with the Safety Performance Targets as the MPO began the process in 2018 with annual updates since that time. Zhou continued that current federal surface transportation law and regulation requires state DOTs and MPOs to adopt a performance based planning approach. This includes establishment of a wide range of performance measures and targets for achieving those measures. Today's action is part of an ongoing process to meet those requirements.

MPOs are generally required to establish safety performance measures and targets within 180 days from the date the state sets up its performance measures and targets. MPOs can set their own targets or support those set by the state. The purpose of the resolution is to support NCDOTs' targets for the safety performance measures and agree to plan and program projects so that contributing towards the accomplishment of the targets. As it has done since 2018, the Greensboro MPO continues to support NCDOTs targets.

Zhou then reviewed slides depicting the data for the five measures as well as targets for 2021. Compared to the 2020 targets, there is a slight increase in the values, mainly because of the baseline data increased from 2018 to 2019. Zhou stated that the recommendation is for TAC to approve the resolution to endorse the NCDOT safety performance measures and targets for 2021.

Meyer stated the needed action is for TCC to recommend TAC approve the item as stated. Meyer then asked for a motion and second.

Michael Abuya moved to approve. Scott Whitaker seconded. The TCC voted unanimously to approve.

5. MTIP Amendment: Technical Plan to Provide Free Board Band Internet Access TU-0002.

Tyler Meyer stated the City of Greensboro has been awarded a *Helping to Obtain Prosperity for Everyone* (HOPE) grant under a new FTA discretionary program. The goal of the funding program is to support planning and/or implementation steps that can improve opportunities and prospects for

individuals and communities in areas of persistent poverty. Greensboro's project will focus on narrowing the digital divide by developing a technical plan to identify an implementation and technical strategy for what needs to happen in order to implement free accessible high speed internet on transit routes and at transit stops as well as within the areas of persistent poverty more generally. Many of the elements needed to implement the plan are in place in the form of the existing transit infrastructure, LED street lights, City facilities, and fiber optic cable networks including the fiber network the City created to support the traffic signal system and to connect city facilities. The technical plan will identify how these various assets can be used to realize the project objective. The plan will also identify additional investments that may be needed and will explore the potential role for public-private partnerships.

Meyer stated the project team will include a range of City of Greensboro departments which will work closely with community organizations and private partners. On the subject of potential partnerships, Meyer noted the Technology and Data Institute nonprofit consortium with NCA&T, UNCG and the City; the USIGNITE National Science Foundation program which includes partnership with fiber provided and ISP Segra; the BANDNC program coordinated by the Piedmont Triad COG to promote high speed internet in region; and the fact that Greensboro is one of 20 cities selected by Verizon to build out a 5g network..

Meyer concluded by saying this grant comes at an important time as the Covid-19 pandemic has especially hindered the low income students without Wi-Fi at home and shown that the digital divide is a real issue and real impacts in the community. The federal funding award for the project is \$234,000 and will available for use starting in FY 2021.

Stephen Robinson moved to approve. Scott Whitaker seconded. The TCC voted unanimously to approve.

6. MTIP Amendment: Add New Statewide Projects for Bridge Inspections HB-9999

Tyler Meyer stated this is an umbrella project for work to be done across the state between 2021 and 2026 with the annual amount of \$26 million for bridge inspection activities. Bridge inspections occur at least every two years and include visual and technical inspections of the infrastructure. The purpose of this inspection is to identify needed repairs and to effectively prioritize bridge replacement needs. The TIP number HB-9999 replaces a similar project that has expired, and uses a new TIP numbering convention recently adopted by NCDOT.

Meyer inquired if there were questions regarding this amendment. Hearing none, Meyer requested a motion followed by a second to recommend TAC to amend the MTIP to add this project.

Chris Spencer moved to approve. Stephen Robinson seconded. The TCC voted unanimously to approve.

6. MTIP Amendments and Modifications: STIP Rebalancing

Tyler Meyer stated that in summer 2020 FHWA found that the NCDOT STIP was no longer fiscally constrained, meaning anticipated costs were clearly exceeding anticipated revenues. NCDOT reports this was due to funding challenges and higher than expected costs. NCDOT was directed to rebalance the STIP to reestablish fiscal constraint. The result was a series of STIP amendments and modifications between June and December 2020. The MPO made an initial set of corresponding changes at the August meeting. Today's MTIP actions will catch the MTIP up to the STIP on changes NCDOT made between September and December.

As explained at the time of the August action, the funding challenges were precipitated by the effects of the COVID-19 pandemic combined with preexisting fiscal stresses in related to 2018 Hurricane Relief along with cost escalation on major projects statewide and regionally.

Based on the preliminary analysis of the funding levels, between June and December, funding programmed in the MTIP has gone down approximately \$173 million. It was \$2 million for that 10 year period. A new format has been developed for financial information tables. NCDOT was very careful to consider priorities and project readiness. Staff will continue to work on projects with NCDOT. NCDOT has attempted to be very conservative to give room for things to get better, rather than worse. Staff will be involved on this item and the projects in the months ahead. The recommended action is to amend the MTIP in accordance to NCDOT's request. Mr. Meyer stated a lot of these changes are for one year and others are longer.

Meyer inquired if there any questions or comments. Hearing none, requested a motion to recommend approval of the amendment to the TAC.

Stephen Robinson moved to approve. Michael Abuya seconded. The TCC voted unanimously to approve.

Business Items

1. Proposed 2021 Meeting Calendar

Craig McKinney presented the 2021 calendar. The proposed 2021 dates have been reviewed to avoid known meeting conflicts including conference schedules. Approval deadlines for MPO documents have also been taken into account. McKinney asked if there are any issues or conflicts that may have been overlooked and need to be addressed. Meyer added that the schedule continues with Tuesday TCC meetings followed by Wednesday TAC meetings. The calendar, including any changes TAC may direct, will be posted online and distributed to TCC via email calendar notices.

2. 2020 Congestion Management Process Modification

Tyler Meyer introduced a modification to the Congestion Management Process (CMP) adopted in January 2020 and asked Yuan Zhou to present the item.

Yuan Zhou noted staff had recently completed a major modification to the CMP in conjunction with the recent 2045 MTP development process. The modification transitions the document to a virtual format, similar to the MTP, so it will be easy to access via smart phone, laptops, and desktop computers. The modification also changes *Chapter 3, Multi Modal Performance Evaluation*. Previously there were four measures for roadway performance and the modification adds one new performance measure, travel time reliability, which is another factor to access and identify congestion issues on the roadway network. The travel time index was used to represent additional time required during the peak times as compared to the free flow time versus peak time. Since calculations are based on 2018 data some locations may have be addressed in future project or plans. Zhou advised more detail was available in the online version.

3. Division Engineer Updates

Stephen Robinson presented the project updates, noting the anticipated start dates of various projects. Notably, the US 70 widening to Birch Creek Road east of Greensboro is on schedule and should open

to traffic in November 2021. Robinson stated he would provide information on other projects as needed.

4. Project Updates

Tyler Meyer noted the Josephine Boyd at Walker Avenue improvements bid opening occurred in December and a favorable bid was received. City Council is expected to award the contract in January with work starting this spring. Meyer recapped the history and significance of this much needed safety and walkability project, including its evolution from a simple intersection project to a project involving the entire corridor from Spring Garden Street to north of Walker Avenue near West Market.

Meyer then said that the Ballinger Road Bridge would soon go to bid as well. This project was on the cusp of construction authorization last fall, but due to NCDOT's financial constraints has been delayed until now, just having received the construction authorization notice. The contract award will be in February and Notice to Proceed in March.

Construction authorization for project C-5555E, College Road / New Garden Road sidewalk project is expected in early 2021 with construction starting shortly after.

5. Strategic Reports

Tyler Meyer he and the MPO staff will review the MTP comments to determine which to incorporate in the final document and which to flag for further review in future planning efforts. He also commended McIntyre for developing a successful grant application for a new limited term safety engineer, funding for which was recently approved by the Governor's Highway Safety Program and should be ready to advertise soon.

Meyer requested Michael Abuya to provide an update on the status of the Statewide Transportation Plan. Abuya stated this plan was out for public review in October and ended in November of 2020. The team received approximately 2600 comments which is now part of the final report. The plan is going before Board of Transportation in January of 2021 for adoption. The study team will have stakeholder meetings in February and will review the recommendations and develop an implementation plan. Abuya stated the report is on page 87 of the packet. Mr. Meyer asked what Executive Order 80 is since it was referenced in these materials. Mr. Abuya responded he was not very clear on the Executive Order 80, but will investigate and share at the next meeting.

Other Items

1. Member Updates

Tyler Meyer inquired if there was anyone who wished to provide any news such as new hires or retirements, etc. Alex Rosser introduced Susanne Akkoush who started over a year and a half ago as a project manager with the airport and has a planning background, helped with the master plan that is wrapping up now. Ms. Akkoush has been a great addition to the team.

On Pleasant Ridge Road, where the golf course was previously is now a very sizable plot of graded land being prepared for future airfield industrial sites connected to the main PTI campus across a taxiway over I-73. PTI is working on design efforts for the next phase of that project.

Construction on the new air traffic control tower will be completed in the spring but it will take another year to have all of the electronics installed. The actual commissioning of the tower will not be until May of 2022.

Suzette Morales, FHWA, noted the quadrennial USDOT certification process for the MPO is slated for February – April 2021. This involves detailed consultation with MPO staff, with opportunities for participation by board members and TCC agencies, as well as a 30 day public comment period.

2. Wrap-Up

Mr. Meyer advised the next meeting will be January 26, 2021, at 2:00 PM.

Scott Whitaker moved to adjourn the meeting. Chris Spencer seconded the motion. The TCC unanimously voted to adjourn.

The meeting was adjourned by Tyler Meyer at approximately 3:30 PM.

RESOLUTION ESTABLISHING TRANSIT PERFORMANCE MEASURE SAFETY TARGETS

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

WHEREAS, the Greensboro MPO has been designated by the Governor of the State of North Carolina as the Metropolitan Planning Organization (MPO) responsible, together with the State, for the comprehensive, continuing, and cooperative transportation planning process for the MPO’s metropolitan planning area; AND

WHEREAS the current surface transportation authorization law and regulations require the ongoing implementation of performance based planning and programming to achieve desired performance outcomes for the multimodal transportation system, including the setting of targets for future performance by States, providers of public transportation, and metropolitan planning organizations (MPOs); AND

WHEREAS, the Federal Transit Administration (FTA) published the Public Transportation Agency Safety Plan (PTASP) Final Rule on July 19, 2018 requiring certain operators of public transportation systems that receive federal funds under FTA’s Urbanized Area Formula Grants to develop safety plan that include the processes and procedures to implement Safety Management Systems; AND

WHEREAS, the Federal Highway Administration (FHWA) and the FTA issued a joint final rule on planning (Statewide and Nonmetropolitan Transportation Planning; Metropolitan Transportation Planning), under which MPOs shall establish performance targets within 180 days of a State or transit provider setting targets; AND

WHEREAS 49 CFR Part 673, the Public Transportation Agency Safety Rule, which became effective on July 19, 2019, requires transit operators to develop and adopt a Public Transportation Agency Safety Plan that includes performance targets on fatalities, injuries, safety events, and system reliability (state of good repair); AND

WHEREAS, the Piedmont Authority for Regional Transportation (PART) and the Greensboro Transit Agency (GTA) in the MPO’s planning area have developed information and targets toward compliance with the law and regulation and have communicated their current targets for PTASP to the MPO as follows

2021 PART Transit Safety Performance Targets

Mode of Transit Service	Fatalities (Total)	Fatalities (per million VRM)	Serious Injuries (total)	Serious Injuries (per million VRM)	Safety Events (total)	Safety Events (per million VRM)	System Reliability (VRM/failures)
Bus	0	0	0	0	54	38.4	43,300
Vanpool	0	0	0	0	0	0	140,477

PART’s PTASP was adopted on April 9, 2020.

2021 GTA Transit Safety Performance Targets

Mode of Service	Fatalities (total)	Fatalities (per 100k VRM)	Injuries (total)	Injuries (per 100k VRM)	Safety Events (total)	Safety Events (per 100k VRM)	System Reliability (failures/VRM)
Bus Transit	0	0.00	15	0.81	14	0.75	9,305
ADA/Paratransit	0	0.00	6	0.28	5	0.23	25,105

GTA’s PTASP was adopted on November 17, 2020.

WHEREAS, the Greensboro MPO must establish targets by January 20, 2021 or no more than 180 days after receipt of PTASP from Transit Agencies; AND

WHEREAS, the Transportation Advisory Committee has provided for a thirty day public comment period and has solicited public and private transportation provider comments per the Public Participation Plan adopted August 19, 2020; AND

NOW THEREFORE be it resolved that the Greensboro Urban Area Transportation Advisory Committee agrees to plan and program projects that contribute toward the accomplishment of the transit safety performance targets established by the PART and GTA Public Transportation Agency Safety Plans and that by approval of this resolution applicable references are hereby added to the 2045 MTP adopted on December 9, 2020, and the FY 2020-2028 MTIP adopted on November 13, 2019 by the Greensboro MPO.

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, January 27, 2021.

Chair, Transportation Advisory Committee

Subscribed and sworn to me on this day January 27, 2021.

Notary Public

My commission expires _____.

FY 2020-2029 MTIP Amendments & Modifications: Rail Projects

Background:

The NCDOT requests the MPO amend the 2020-2029 MTIP for two NCDOT Rail Division projects P-2918 and P-5719C and modify four NCDOT Rail Division projects P-5700, P-5709, P-5713, and Y-4807B in the MPO planning area.



Project Details:

- **P-2918** supports operating costs for train 74 /75 between Charlotte and Raleigh, including ancillary equipment and Capital Yard Maintenance Facility expenses. *Adds CMAQ funding not previously programmed in FY 2021.*
- **P-5700** will improve secure parking for intermodal shipping containers at the NS property at the old Roundhouse site on Spring Garden Street and near the Pomona Yard. *Adds time for planning and design and delays construction from FY 2020 to FY 2022.*
- **P-5709** will grade separate Franklin Boulevard at the NCRH Line crossing and modify nearby roadways to tie in. *Delays right-of-way from FY 2021 to FY 2022, construction remains at FY 2023.*
- **P-5713** will grade separate Hilltop Road at the NCRH Main Line crossing and modify nearby properties access. *Delays right-of-way from FY 2021 to FY 2023 and construction from FY 2022 to FY 2025 for fund balancing purposes.*
- **P-5719C** provides for NCRH to acquire and refurbish 8 rail cars for operations on the NCRH. *Adds additional time for the acquisition and refurbishment schedule, with funds programmed in FY 21, 23 & 24.*
- **Y-4807B** will realign and improve the Lowdermilk Street and Sykes Avenue intersection with East Market Street and will close the Pine Street rail crossing as part of a systematic and ongoing rail crossing consolidation and improvement along the NCRH H Line corridor through east Greensboro/Guilford County. *Accelerates construction from FY 2022 to FY 2021 due to project readiness.*

Recommended Action & Next Steps:

- TAC action to amend the 2020-2029 MTIP.
- NCDOT to amend/modify the 2020-2029 STIP at the February 4, 2021 Board of Transportation meeting.

Lead Planning Agency: City of Greensboro Department of Transportation

MTIP Amendment & Modification Details

Gray shading indicates prior TIP listings. Unshaded cells reflect revised listings. Deletions are represented by strikethrough text, additions by underlined text.

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Future Years	
Change	P-2918*	Piedmont Corridor, Train 74 / 75 Operations between Charlotte & Raleigh, Equipment & Capital Yard Maintenance Facility.	CMAQ	OPER		\$ 6,569,000										
			S	OPER		\$ 1,642,000										
Current	P-5700	Norfolk Southern Mainline, Norfolk Southern "Roundhouse" Property. Construct Parking Lot with Space For International Containers, trance. Including Security Fence, Polemounted Lighting, & Paved En	T	CST	\$ 850,000											
			O	CST	\$ 850,000											
Change	P-5700	Norfolk Southern Mainline, Norfolk Southern "Roundhouse" Property. Construct Parking Lot with Space For International Containers, trance. Including Security Fence, Polemounted Lighting, & Paved En	T	CST			\$ 850,000									
			O	CST			\$ 850,000									
Current	P-5709	Norfolk Southern H Line, Construct Grade Separation at Franklin Blvd Crossing & Close O'ferrell St Crossing	T	R/W	\$ 625,000	\$ 1,875,000										
			T	UTIL	\$ 230,000	\$ 689,000										
			T	CST			\$ 9,500,000									
			O	CST			\$ 375,000									
Change	P-5709	Norfolk Southern H Line, Construct Grade Separation at Franklin Blvd Crossing & Close O'ferrell St Crossing	T	R/W			\$ 625,000	\$ 1,875,000								
			T	UTIL			\$ 230,000	\$ 689,000								
			T	CST					\$ 9,500,000							
			O	CST					\$ 375,000							
Current	P-5713	North Carolina RailRd (NCRR) / Norfolk Southern RailRd, Hilltop Rd. Convert At-Grade Crossing To Grade Separation.	T	R/W		916,000										
			T	CST			\$ 2,668,000	\$ 2,667,000								
			O	CST			\$267,000									
Change	P-5713	North Carolina RailRd (NCRR) / Norfolk Southern RailRd, Hilltop Rd. Convert At-Grade Crossing To Grade Separation.	T	R/W				\$ 916,000								
			T	CST						\$ 2,668,000	\$ 2,667,000					
			O	CST							\$ 267,000					
Change	P-5719C*	NCRR, Acquire & Refurbish 8 Rail Cars	O	CST		\$ 156,888,000										
			T	CST				\$ 27,820,000	\$ 27,820,000							
Current	Y-4807B	Pine St Crossing Closure & Lowdermilk St/Sykes Ave Realignment	RR	CST			\$1,450,000									
			O	CST			\$1,100,000									
Change	Y-4807B	Pine St Crossing Closure & Lowdermilk St/Sykes Ave Realignment	RR	CST		\$ 1,450,000										
			O	CST		\$ 1,100,000										

* Amendment projects

Funding Sources Key:

CMAQ: Congestion Mitigation & Air Quality Funds

O: Other

RR: Rail-Highway Safety

S: State funds

T: State Highway Trust Fund

**RESOLUTION AMENDING AND MODIFYING THE GREENSBORO URBAN AREA
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:
NCDOT RAIL DIVISION 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 has requested the MPO amend the FY 2020-2029 MTIP for P-2918 and P-5719C and to modify P-5700, P-5709, P-5713 and Y-4807B to update funding and adjust schedules; AND

WHEREAS, the NC Board of Transportation is to amend and modify the STIP on February 4, 2021; 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, 2017 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 FY 2020-2029 MTIP for P-2918 and P-5719C and to modify P-5700, P-5709, P-5713 and Y-4807B, on this day, January 27, 2021.

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, January 27, 2021.

Chair, Transportation Advisory Committee

Subscribed and sworn to me on this day, January 27, 2021.

Notary Public

My commission expires _____



FY 2020-2029 MTIP Amendments: Statewide Transit Projects

Background:

The NCDOT requests the MPO amend the 2020-2029 MTIP for thirteen upcoming statewide transit projects. The purpose is to make funding arrangements now so that once NCDOT determines which transit systems across the state to allocate the funds to it will be able to do so more swiftly. 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 provides for local matching funds for seven already programmed projects and adds six additional projects. *Gray shading indicates prior TIP listings. Unshaded cells reflect revised listings. Deletions are represented by strikethrough text, additions by underlined text.*

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2020	FY 2021	FY 2022
Current	TC-0005*	Statewide, 5339 Grant for facility construction	5339	CST		\$ 1,668,000	
Change	TC-0005*	Statewide, 5339 Grant for facility construction	<u>L</u>	<u>CST</u>		\$ 417,000	
Current	TC-0006*	Statewide, 5339 Grant for facility construction	5339	CST		\$ 335,000	
Change	TC-0006*	Statewide, 5339 Grant for facility construction	<u>L</u>	<u>CST</u>		\$ 84,000	
Current	TC-0007*	Statewide, 5339 Grant for facility construction	5339	CST		\$ 1,189,000	
Change	TC-0007*	Statewide, 5339 Grant for facility construction	<u>L</u>	<u>CP</u>		\$ 297,000	
Current	TC-0008*	Statewide, 5339 Grant for facility construction	5339	CST		\$ 4,000,000	
Change	TC-0008*	Statewide, 5339 Grant for facility construction	<u>L</u>	<u>CP</u>		\$ 1,000,000	
Current	TC-0010*	Statewide, 5339 Grant for facility construction	5339	CST		\$ 1,135,000	
Change	TC-0010*	Statewide, 5339 Grant for facility construction	<u>L</u>	<u>CST</u>		\$ 284,000	
Current	TC-0011*	Statewide, 5339 Grant for facility construction	5339	CST		\$ 2,391,000	
Change	TC-0011*	Statewide, 5339 Grant for facility construction	<u>L</u>	<u>CP</u>		\$ 598,000	
Current	TC-0012*	Statewide, 5339 Grant for facility construction	5339	CST		\$ 894,000	
Change	TC-0012*	Statewide, 5339 Grant for facility construction	<u>L</u>	<u>ACQ</u>		\$ 223,000	
New	<u>TC-0013*</u>	Statewide, Section 5310 Grant from FTA	<u>S</u>	<u>CP</u>		\$ 70,000	
			<u>L</u>	<u>CP</u>		\$ 70,000	
			<u>5310</u>	<u>CP</u>		\$ 280,000	
New	<u>TI-6109*</u>	Statewide, Intercity bus funds for FTA Grants	<u>5311</u>	<u>OPER</u>		\$ 12,266,000	
New	<u>TM-0024*</u>	Statewide, Expand Transit Service & Hours	<u>5312</u>	<u>OPR</u>		\$ 250,000	
			<u>L</u>	<u>OPR</u>		\$ 63,000	
New	<u>TO-0003*</u>	Statewide, Human Trafficking Awareness & Public Safety	<u>5312</u>	<u>AD</u>		\$ 90,000	
			<u>5307</u>	<u>AD</u>		\$ 30,000	
New	<u>TO-0004*</u>	Statewide, System Safety Oversight Grant for NCDOT Rail Division	<u>S</u>	<u>AD</u>		\$ 88,000	
			<u>SSO</u>	<u>AD</u>		\$ 352,000	
New	<u>TU-0003*</u>	Statewide, H.O.P.E Grant from the FTA. Planning & Design In Preparation for Electric Vehicle Deployment.	<u>5312</u>	<u>PL</u>		\$ 122,000	

* Amendment projects

Lead Planning Agency: City of Greensboro Department of Transportation

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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

S: State Funds

SSO: State Safety Oversight

Recommended Action & Next Steps:

- TAC action to amend the FY 2020-2029 MTIP.
- NCDOT STIP actions for projects TI-6109, TM-0024, TO-0003, TO-0004, and TU-0003 occurred at the January 7, 2021 Board of Transportation meeting.
- NCDOT STIP actions for projects TC-0005, TC-0006, TC-0007, TC-0008, TC-0010, TC-0011, TC-0012, and TC-0013 are scheduled to occur at the February 4, 2021 Board of Transportation meeting.

**RESOLUTION AMENDING THE GREENSBORO URBAN AREA
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:
STATEWIDE TRANSIT 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 thirteen statewide transit projects TC-0005, TC-0006, TC-0007, TC-0008, TC-0010, TC-0011, TC-0012, TC-0013, TI-6109, TM-0024, TO-0003, TO-0004 and TU-0003; AND

WHEREAS, these amendments will add local matching funds for seven already programmed projects and adds six new projects; 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 and modify the STIP for all thirteen projects by February 4, 2021; 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, 2017 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 TC-0005, TC-0006, TC-0007, TC-0008, TC-0010, TC-0011, TC-0012, TC-0013, TI-6109, TM-0024, TO-0003, TO-0004 and TU-0003 on this day, January 27, 2021.

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, January 27, 2021.

Chair, Transportation Advisory Committee

Subscribed and sworn to me on this day, January 27, 2021.

Notary Public

My commission expires _____

FY 2020-2029 MTIP Amendments & Modifications: MPO Area Roadway Projects

Background:

The NCDOT requests the MPO amendment for MPO area roadway projects HS-2007C and R-5787 and a modification of R-4707.



R-5787



R-4707

Project Situation:

- **HS 2007C** will install long-life pavement markings to improve safety on various secondary roads in Division 7 in FY 2021. *Creates a new project break under HS-2007 and adds funding in FY 2021.*
- **R-4707** will reconstruct the US 29 / Reedy Fork Parkway interchange including improvements on the approaches on US 29, Reedy Fork Parkway, and Summit Avenue. *Shifts construction from FY 2020 to 2021 for time to complete the utility phase and adjusts funding details.*
- **R-5787** will upgrade intersections where sidewalks are present for ADA compliant wheelchair curb ramps as part of an ongoing initiative to improve accessibility for pedestrians. Will include intersections throughout Division 7 including in the MPO area. *Adds funding in FY 2021 and FY 2022.*

Recommended Action & Next Steps:

- TAC action to amend the 2020-2029 MTIP.
- NCDOT to amend/modify the 2020-2029 STIP at the February 4, 2021 Board of Transportation meeting.

Lead Planning Agency: City of Greensboro Department of Transportation



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MTIP Amendment & Modification Details

Gray shading indicates prior TIP listings. Unshaded cells reflect revised listings. Deletions are represented by strikethrough text, additions by underlined text.

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Future Years		
New	HS-2007C*	Install Long-Life Pavement Markings at Various Secondary Routes	HSIP	CST		\$ 3,455,000											
Current	R-4707	Interchange Improvements at US 29 / Reedy Fork Pkwy. Improve Roadway, Modify Interchange, & Replace Bridge	T	ENG	\$ 535,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 1,072,000		
			BUILDNC	R/W	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 1,671,000	
			BUILDNC	CST	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 21,021,000
			T	CST			\$ 3,350,000	\$ 3,350,000	\$ 3,350,000	\$ 3,350,000							
Change	R-4707	Interchange Improvements at US 29 / Reedy Fork Pkwy. Improve Roadway, Modify Interchange, & Replace Bridge	T	ENG	\$ 535,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 268,000	\$ 1,072,000		
			BUILDNC	R/W	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 416,000	\$ 1,671,000	
			BUILDNC	CST		\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 3,003,000	\$ 18,018,000	
			T	CST		\$ 4,175,000	\$ 4,175,000	\$ 4,175,000	\$ 4,175,000								
Current	R-5787*	Division 7 Program To Upgrade Intersections To Comply With The ADA Using TA Funds.	S	CST	\$ 100,000												
			TA	CST	\$ 400,000												
Change	R-5787*	Division 7 Program To Upgrade Intersections To Comply With The ADA Using TA Funds.	S	CST	\$ 100,000	\$ 200,000	\$ 200,000										
			TA	CST	\$ 400,000	\$ 800,000	\$ 800,000										

* Amendment projects

Funding Sources Key:

BUILDNC: NC Bond Act of 2018

HSIP: Highway Safety Improvement Program

S: State funds

T: State Highway Trust Fund

TA: Transportation Alternatives Program (Uncategorized)

**RESOLUTION AMENDING AND MODIFYING THE GREENSBORO URBAN AREA
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:
MPO AREA ROADWAY 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, The NCDOT requests the MPO amend the MTIP for MPO area roadway projects HS-2007C and R-5787 and a modify the MTIP for R-4707; AND

WHEREAS, the amendment to HS-2007 create a new project break and adds funding and the amendment to R-5787 adds funding and in FY 2021; AND

WHEREAS, the modification of R-4707 shifts construction from FY 2020 to 2021 for time to complete the utility phase and adjusts funding details; AND

WHEREAS, the NC Board of Transportation is to amend and modify the STIP on February 4, 2021; 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, 2017 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 projects HS-2007C and R-5787 and to modify project R-4707, on this day, January 27, 2021.

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, January 27, 2021.

Chair, Transportation Advisory Committee

Subscribed and sworn to me on this day, January 27, 2021.

Notary Public

My commission expires _____



FY 2020-2029 MTIP Amendment & Modification: Statewide Highway Projects

Background:

NCDOT requests the MPO amend & modify the MTIP to add project breaks to project HB-9999 statewide bridge inspection program and to add funding to R-5966 Federal Tribal Transportation Program per FHWA.



Project Situation:

- **HB-9999 Statewide Bridge Inspection Program** provides for needed bridge inspections work across the state. The TIP modification adds project breaks to accommodate work at the Statewide, Regional and Division Needs STI tiers. *Increases overall funding for HB-9999 and splits into project breaks to provide NCDOT needed implementation flexibility.*
- **R-5966 Federal Tribal Transportation Program** provides for road and bridge improvements on tribal lands. The MTIP action is needed to maintain MTIP – STIP consistency despite the fact that there are no designated tribal lands present in the MPO area. *Adds funding not previously programmed in FY 21, 22 & 23.*

Recommended Action & Next Steps:

- TAC action to amend the 2020-2029 MTIP.
- NCDOT amended/modified the 2020-2029 STIP at the January 7, 2020 Board of Transportation meeting.

Lead Planning Agency: City of Greensboro Department of Transportation

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MTIP Amendment & Modification Details

Gray shading indicates prior TIP listings. Unshaded cells reflect revised listings. Deletions are represented by strikethrough text, additions by underlined text.

STATUS	ID #	DESCRIPTION	FUNDS	PHASE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Current	HB-9999	Bridge Inspection	BG	IMP		\$26,000,000	\$26,000,000	\$26,000,000	\$26,000,000	\$26,000,000	\$26,000,000	\$26,000,000	\$26,000,000	\$26,000,000
Change	HB-9999ADI	Bridge Inspection	<u>I</u>	IMP		\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000
Change	HB-9999ARE	Bridge Inspection	<u>I</u>	IMP		\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000	\$ 7,800,000
Change	HB-9999ASW	Bridge Inspection	<u>I</u>	IMP		\$ 10,400,000	\$ 10,400,000	\$ 10,400,000	\$ 10,400,000	\$ 10,400,000	\$ 10,400,000	\$ 10,400,000	\$ 10,400,000	\$ 10,400,000
Change	HB-9999BDI	Bridge Inspection	<u>I</u>	IMP		\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000
Change	HB-9999CDI	Bridge Inspection	<u>I</u>	IMP		\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000
Change	HB-9999CRE	Bridge Inspection	<u>I</u>	IMP		\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000	\$ 780,000
Change	HB-9999CSW	Bridge Inspection	<u>I</u>	IMP		\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000
Current	R-5966*	Federal Tribal Transportation Program	FTTP	CST	\$2,275,000									
Change	R-5966*	Federal Tribal Transportation Program	FTTP	CST	\$2,090,000	\$10,532,000	\$ 3,540,000	\$ 2,340,000	\$ 488,000					

* Amendment

Funding Sources Key:

BG: Surface Transportation Block Grant Program (Uncategorized)

FTTP: Federal Tribal Transportation Program

T: State Highway Trust Fund

**RESOLUTION MODIFYING THE GREENSBORO URBAN AREA
FY 2020-2029 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM:
STATEWIDE HIGHWAY 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 has requested the MPO modify the FY 2020-2029 MTIP for HB-9999 Statewide Bridge Inspection Program and amend R-5966 Tribal Transportation Program; AND

WHEREAS, the action will increase overall funding for HB-9999 and create project breaks to provide NCDOT needed implementation flexibility and adds funding not previously programmed to R-5966; AND

WHEREAS, the NC Board of Transportation modified and amended the STIP on January 7, 2021; 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, 2017 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 Metropolitan Transportation Improvement Program for FY 2020-2029 for project HB-9999 and to amend for project R-5966, on this day, January 27, 2021.

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, January 27, 2021.

Chair, Transportation Advisory Committee

Subscribed and sworn to me on this day, January 27, 2021.

Notary Public

My commission expires _____

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
SS-4907CJ 48305.1.1 48305.3.1	Guardrail installation on SR 2819 (McLeansville Road) at Bridge 4000156 over Reedy Fork Creek	Nov. 2020	Jan. 2021	\$41,000	Under construction	Bobby Norris
SS-4907CE 47938.1.1 47938.3.1	Install severe duty impact attenuators at four locations on multiple routes in Guilford County: I-73 NB at Exit 2 (Friendly Avenue), I-73 SB at Exit 1 (I-40 WB), I-73 SB at Exit 97A (US 29/US 70), I-85 SB at Exit 121 (I-73 NB) in Greensboro	Feb. 2021	Jun. 2021	\$145,000	Construction schedule pending	Bobby Norris
SS-4907CO 48784.3.1	Install severe duty impact attenuator on I-85 North at Exit 126 A-B collector ramp to US 421 South in Greensboro	Feb. 2021	Jun. 2021	\$35,000	Construction schedule pending	Bobby Norris
R-4707 36599.2.1 36599.2.U1 36599.3.1	Interchange modification at US29 and SR 4771 (Reedy Fork Parkway). Modification includes new interchange location South of the existing location, replace Bridge 360, relocate SR 2526 (Summit Ave.) from North of SR 2641 (Bryan Park Rd.) to US 29 in Greensboro	4/20/21	FY2024	\$51,700,000	R/W acquisition underway - 90% complete	Laura Sutton
I-5964 45914.1.1 45914.2.1 45914.3.1	Interchange improvements at I-40/Business 85/US29/US70/US220 and Elm-Eugene Street in Greensboro	5/6/21	FY 2023	\$600,000	Final plans complete, ROW certified 1/17/19, let pending	Brian Ketner
SS-4907CL 48630.3.1	Traffic Signal revisions at the following locations: US 70 (Wendover Avenue) at Gatewood Avenue; SR 3163 (Market Street) at English Street; SR 4240 (Gate City Boulevard) at Willow Road; SR 1007 (Randleman Rd) at W Elmsley Dr/Nestleway Drive; SR 1007 (Randleman Rd) at Glendale Drive; SR 1007 (Randleman Rd) at Vandalia Road; US 220 (Battleground Avenue) at Cornwallis Drive; and SR 1008 (Market Street) at Holden Road in Greensboro	Jun. 2021	Nov. 2021	\$67,500	Funds approved 3/7/19 and released, Agreement executed for construction by City of Greensboro	Dawn McPherson

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
SS-4907CM 48631.3.1	Traffic Signal revisions at the following locations: US 220 (Battleground Avenue) at Green Valley Road/Pembroke Road; US 70 (Wendover Avenue) at Elwell Avenue; SR 2526 (Summit Avenue) at Sixteenth Street; SR 3841 (Market Street) at Edgeworth Street; US 220 (Battleground Avenue) at Edney Ridge Road; US 220 (Battleground Avenue) at Markland Drive; and US 29 at E. Cone Boulevard in Greensboro	Jun. 2021	Nov. 2021	\$200,700	Funds approved 3/7/19 and released, Agreement executed for construction by City of Greensboro	Dawn McPherson
Y-4807B 40325.2.59 40325.3.59	Pine Street RR crossing closure and Lowdermilk St./ Sykes Ave. realignment in Greensboro	6/30/21	FY2023	\$2,550,000	Planning and design activities underway, COG acquiring ROW - 50% complete	Kumar Trivedi
U-5754 54034.1.1 54034.3.1	US 29 / US 70 / US 220 (O'Henry Blvd.) from I-40 / Business 85 to south of Florida St in Greensboro. Add lane on I-40/Business 85 EB Ramp onto NB US 29/US 70/US 220 and extend US 29/US 70/US 220 SB Ramp onto SR 3762 (Martin Luther King, Jr. Drive) in Greensboro	11/16/21	FY2023	\$3,650,000	Project let in March 2019, No bids, Re-let June 2019, Bids high not awarded, Re-let scheduled 11/16/21	Laura Sutton
SS-4907CH 48254.1.1 48254.2.1 48254.3.1	Construct left turn lane on NC 150 at SR 4963 (Chesterbrooke Drive) in Summerfield	Dec. 2021	Apr. 2022	\$300,000	R/W acquisition - 100% complete, Utility relocations complete	Chad Reimakoski
SM-5707G 48907.1.1 48907.2.1 48907.3.1	Installation of left and right turn lanes on SR 2526 (Summit Avenue) at SR 2565 (Hicone Road) in Greensboro	Dec. 2021	Apr. 2022	\$385,000	Funds approved 9/5/19 and released 6/23/20	Chad Reimakoski
SS-4907CI 48304.1.1 48304.3.1	Directional crossover construction on US 29 at Lakeview Memorial Park Cemetery Entrance in Greensboro	1/6/22	6/1/22	\$300,000	Funds approved and released 12/6/18	Chad Reimakoski
48919	Realign lanes on eastbound SR 2254 (West Wendover Ave) at Holden Rd (non-system) to create an acceleration lane in Greensboro	Jan. 2022	Jun. 2022	\$150,000	Funds approved 9/5/19 and released 6/23/20	Dawn McPherson

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
48916	Realign intersection to improve turning radius on the north side of NC-61 / NC-100 (Main St) and NC-61 (N Wharton Ave) in Gibsonville	Feb. 2022	Jul. 2022	\$610,000	Funds approved 9/5/19 and released 6/23/20	Chad Reimakoski
U-6019 47164.1.1 47164.2.1 47164.3.1	Construct turn lanes and sidewalks at the intersection of SR 2334 (Air Harbor Road) and SR 2347 (Lake Brandt Road) in Greensboro	3/17/22	FY2024	\$875,000	Final design underway, ROW acquisition on hold - 20% complete	Chris Smitherman
SS-6007F 49116.1.1 49116.2.1 49116.3.1	All Way Stop and overhead red flasher installation at intersection of SR 1005 (Alamance Church Road) and SR 3093 (Old Julian Road) southeast of Greensboro	Jun. 2022	FY2023	\$27,900	Funds approved 3/5/20 and released 6/23/20.	Dawn McPherson
SS-6007I 49119.1.1 49119.3.1	Traffic signal revisions at the intersection of SR 1115 (Rehobeth Church Road) and West Vandalia Road in Greensboro	Jun. 2022	FY2023	\$4,500	Funds approved 3/5/20 and released 6/23/20, Agreement pending for construction by City of	Dawn McPherson
SS-6007J 49156.1.1 49156.2.1 49156.3.1	All Way Stop with overhead flashing beacon installation at the intersection of SR 3336 (Coble Church Road) and SR 3093 (Old Julian Road) southeast of Greensboro	Jun. 2022	FY2023	\$26,280	Funds approved 3/5/20 and released 6/23/20.	Dawn McPherson
SS-6007K 49263.1.1 49263.3.1	Traffic signal revisions at intersection of SR 4121 (Gate City Boulevard) and Patterson Street in Greensboro . Install FYA heads on both approaches of SR 4121 and for the southbound Patterson Avenue approach to the intersection. Lengthen mast arm #17 for improved lateral positioning for the recommended FYA for the southbound Patterson Avenue approach.	Jun. 2022	FY2023	\$9,900	Funds approved 3/5/20 and released 6/23/20, Agreement pending for construction by City of Greensboro	Dawn McPherson
SS-6007L 49829.2.1 49829.3.1	Traffic signal installation and pedestrian accommodations at the intersection of SR 4240 (W Gate City Boulevard) at Fulton Street in Greensboro	Jun. 2022	FY2023	\$81,000	Funds approved 6/4/20 but not released. Agreement pending for construction by City of Greensboro	Dawn McPherson

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
SS-6007M 49290.1.1 49290.2.1 49290.3.1	Traffic signal installation at the intersection of SR 2565 (Hicone Road) and SR 2835 (McKnight Mill Road) northeast of Greensboro	Jun. 2022	FY2023	\$72,000	Funds approved 6/4/20 and released 6/23/20.	Dawn McPherson
SM-5707I 49147.1.1 49147.2.1 49147.3.1	Traffic signal installation at NC 61 and I-85 NB/I-40 EB ramps south of Whitsett	Jun. 2022	FY2023	\$100,000	Funds approved 3/5/20 and released 6/23/20.	Dawn McPherson
SM-5707J 49179.3.1	Northern Guilford High School main entrance on SR 2329 (Spencer Dixon Road) approximately 2400 feet south of NC 150, north of Greensboro . Sight distance improvements and revisions to the internal queuing capacity of the school to allow all school traffic to be contained within the school property and not queued up on adjacent roads.	Jun. 2022	FY2023	\$7,000	Funds approved 4/2/20 and released 6/23/20.	Dawn McPherson
U-5841 50232.1.1 50232.2.1 50232.3.1	Widen Lindell Road (SR 2254 Wendover Ave. Off Ramp) and Friendly Avenue to accept dual left turn lanes in Greensboro	8/18/22	FY 2024	\$1,400,000	Final design underway, ROW certified 2/4/20, let pending	Brian Ketner
R-5725 50474.1.1 50474.2.1 50474.3.1	Intersection improvements on NC68 from NC150 to SR 2129 (Fogelman Rd.) in Oak Ridge . Improvements consist of access management and safety enhancements.	9/20/22	FY2025	\$6,000,000	Planning and design activities underway, Public meeting held 3/5/19	Brian Ketner
W-5807A 48952.1.2 48952.2.2 48952.3.2	Intersection improvements at SR 2526 (Summit Ave.) and Eastbound US 220 (Wendover Ave.) ramps in Greensboro .	10/22/22	FY2024	\$280,000	PE funding approval scheduled for 2/2/21	Chad Reimakoski

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
U-6016 47161.1.1 47161.2.1 47161.3.1	Intersection improvements at SR 2124 (Lewiston Road) and SR2136 (Fleming Road) in Greensboro	11/17/22	FY 2024	\$1,300,000	Planning and design activities underway	Chad Reimakoski
P-5709 46920.1.1 46920.2.1 46920.3.1	Construct grade separation at Franklin Boulevard and NSRR H line in Greensboro	1/17/23	FY2025	\$12,375,000	Planning and design activities underway	Brad Smythe
U-5812 54040.1.1 54040.2.1 54040.3.1	Intersection improvements at Pisgah Church Rd. and Lawndale Ave., at Lawndale Ave. and Martinsville Rd., and at Martinsville Rd. and Pisgah Church Road in Greensboro	3/30/23	FY2025	\$750,000	Planning and design activities underway, Project transferred to City of Greensboro (LAP), PE move forward list 11/24/20	Donnie Huffines Chris Smitherman
I-5955 45908.1.1 45908.3.1	Pavement Rehabilitation on I-40 from east of Freeman Mill Rd to east of SR 3037/ SR 4240 (Gate City Boulevard) in Greensboro	4/18/23	FY2025	\$12,855,000	PE funding approved 10/10/17, Planning and design activities underway	Chris Smitherman
U-4015A 35013.1.4 35013.2.4 35013.3.4	Widen SR 1556 (Gallimore Dairy Road) to multilanes from NC 68 to Airpark East in Greensboro	5/16/23	FY2025	\$6,600,000	Planning and design activities underway, Coordinate with U-5974	Brian Ketner
U-6008 47143.1.1 47143.2.1 47143.3.1	Interchange improvements at SR 2085 (Bryan Boulevard) and New Garden Road in Greensboro . Improvements include new ramp from Westbound New Garden Road to Westbound SR 2085 (Bryan Boulevard)	6/22/23	FY2025	\$2,250,000	Planning and design activities underway, Public meeting held 6/6/19	Chris Smitherman
U-4758 40251.2.1 40251.3.1	Improvements to Johnson Street/Sandy Ridge Road from SR 1820 (Skeet Club Road) to south of I-40 in High Point	12/19/23	FY2026	\$45,700,000	Planning and Design activities underway, Public meeting 8/14/18	Laura Sutton

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
U-5852 50241.1.1 50241.2.1 50241.3.1	Widening on SR 2085 (Benjamin Parkway/Bryan Boulevard) from SR 2254 (Wendover Ave.) to Holden Road in Greensboro .	1/16/24	FY2026	\$12,458,000	Planning and design activities underway	Laura Sutton
U-5842 54042.1.1 54042.2.1 54042.3.FD1	Intersection improvements at Pisgah Church Rd. and North Elm Street in Greensboro	3/19/24	FY2026	\$750,000	Planning and design activities underway, Project transferred to City of Greensboro (LAP)	Donnie Huffines Chris Smitherman
R-5823 47095.1.1 47095.2.1 47098.3.1	Widening of NC 65/NC 68 from NC65 in Stokesdale (Southernmost intersection) to US 220/ Future I-73 in Rockingham Co.	5/21/24	FY2026	\$17,000,000	Planning and design activities underway, Coordinate with R-2577C	Brian Ketner
U-5850 50239.1.1 50239.2.1 50239.3.1	Widen SR 1007 (Randleman Road) to multilanes from Glendale Drive to Elmsley Drive in Greensboro	7/16/24	FY2026	\$2,400,000	Planning and design activities underway	Brian Ketner
U-5892 44673.1.1 44673.2.1 44673.3.1	Add lanes on US 220 (Battleground Ave.) from Westridge Road to Cotswold Avenue in Greensboro	12/16/25	FY2028	\$18,173,000	Planning and design activities underway	Brian Ketner

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
B-5713 45669.1.1 45669.2.1 45669.3.1	Replace Bridge 352 over I-40/I-85 Business on Willow Road (Non-System) in Greensboro	1/20/26	FY2027	\$3,318,000	Planning and design activities underway, Coordinate with B-5718	Kevin Fisher
B-5356 46070.3.FS1	Replace Bridge #299 over South Buffalo Creek on I-40 in Greensboro	10/19/27	FY2030	\$11,700,000	Planning and design activities underway, Coordinate with I-5965	Kevin Fisher
B-5718 45674.1.1 45674.2.1 45674.3.1	Replace Bridge #329 over I-40/I-85 Business/US 29/US 70 US 220 on Patton Avenue (Non-System) in Greensboro	10/19/27	FY2030	\$3,350,000	Planning and design activities underway, Coordinate with B-5713	Kevin Fisher
U-5974 45962.1.1 45962.2.1 45962.3.1	Upgrade NC 68 to Superstreet from SR 1523 (Hickwood Road) to SR 1556 (Gallimore Dairy Road) in High Point	7/18/28	FY2030	\$48,100,000	Planning and design activities underway, Coordinate with U-4015A	Brian Ketner
R-5889 48394.1.1 48394.2.1 48394.3.1	US 29 (Future I-785) from SR 2565 (Hicone Rd) in Greensboro to US 158 / NC 14 in Reidsville . Upgrade corridor to Interstate Standards	8/15/28	FY2032	\$190,700,000	PE funds approved 11/13/18, NTP scheduled 9/20/21, Includes U-5898 (NC 150 Interchange)	Laura Sutton
I-5735 52017.1.1 52017.3.1	Pavement Rehabilitation on I-73 from Randolph county line to I-85 US 421 in Greensboro	9/19/28	FY2030	\$5,316,000	PE funds approved 10/10/17	Chris Smitherman

NCDOT DIV 7 PROJECTS LOCATED IN GUAMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
U-5851 50240.1.1 50240.2.1 50240.3.1	Widening of SR 1001 (Church Street) from US 220 (Wendover Avenue) to East Cone Boulevard in Greensboro	1/1/40	Post Years	\$12,312,000	Planning and design activities underway	Laura Sutton
I-6004 47958.1.1 47958.2.1 47958.3.1	Upgrade interchange at I-40/I-85 and SR 3056 (Rock Creek Dairy Road) in Guilford Co.	1/1/40	Post years	\$10,900,000	PE funds approved 6/5/18, NTP scheduled 3/21/23	Chad Reimakoski
I-5965 45195.1.1 45195.2.1 45195.3.1	Improvements to I-40 / Business 85 / US29 / US70 / US220 from SR 1398 (Freeman Mill Road) to US29 / US70 / US220 in Greensboro . Add lanes, improve SR 1007(Randleman Road) and Elm-Eugene Street interchanges and replace Norfolk-Southern Railroad Bridge overpass east of Elm-Eugene Street	1/1/40	Post years	\$103,437,000	Planning and design activities underway	Laura Sutton
U-6045 54040.1.1 54040.2.1 54040.3.1	Roadway improvements (widen to multi-lanes)on SR 1850 (Sandy Ridge Rd.) from I-40 to SR 1008 (West Market Street) in Greensboro	1/1/40	Post years	\$13,661,000	Planning and design activities underway, Coordinate with I-5712 (Public meeting 5/21/19)	Laura Sutton
U-6100 48133.11 48133.2.1 48133.3.1	Access management improvements and safety enhancements, including ramp closures and consolidations on US 29 / US 70 / US 220 from SR 4240 (Gate City Boulevard) to south of I-785 in Greensboro	1/1/40	Post years	\$102,500,000	PE funds approved 6/5/18, State EA/FONSI scheduled 8/18/27	Brian Ketner
R-2577C 37405.1.1	US158 from North of SR2034 (Anthony Road) to US220 in Stokesdale	Post years	Post years	\$30,200,000	Planning and environmental studies underway, Coordinate with R-5823	Laura Sutton

North Carolina Department of Transportation

1/4/2021

Active Projects Under Construction - Guilford Co.

Contract Number	TIP Number	Location Description	Contractor Name	Resident Engineer	Contract Bid Amount	Availability Date	Completion Date	Work Start Date	Estimated Completion Date	Progress Schedule Percent	Completion Percent
C203256	U-3615B	SR-1820 (SKEET CLUB RD) FROM EAST OF SR-1818 (JOHNSON ST) TO WEST OF NC-68 (EASTCHESTER DR) IN HIGH POINT.	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Ingram, PE, J. Paul	\$30,898,017.15	3/2/2015	3/29/2019	5/20/2015	7/25/2021	93	95.69
C203433	I-5110 I-5110A R-2413A	FUTURE I-73 FROM EXISTING SR-2085 (JOSEPH M BRYAN BLVD) / AIRPORT PKWY INTERCHANGE TO SOUTH OF US-220 NEAR HAW RIVER.	FLATIRON CONSTRUCTORS INC - BLYTHE DEVELOPMENT CO JOINT VENT	Smith, Brian V	\$176,550,000.00	5/7/2014	4/25/2017	5/7/2014	7/31/2020	100	99.94
C203627	C-5558	CITY OF HIGH POINT SIGNAL SYSTEM	MB HAYNES CORPORATION DBA HAYNES ELECTRIC UTILITY A DIVISION	Lorenz, PE, Kris	\$7,099,452.53	11/30/2015	2/15/2019	5/9/2016	12/31/2020	100	88.76
C203914	I-5738	PAVEMENT REHAB. ON I-85 FROM I-85 BUSINESS TO MAIN STREET IN ARCHDALE.	TRIANGLE GRADING & PAVING INC	Lorenz, PE, Kris	\$14,981,507.83	9/26/2016	11/1/2018	11/10/2016	11/30/2020	100	90.85
C204045	I-5852B	PAVEMENT REHAB. ON I-73 FROM 0.7 MILES SOUTH OF I-40 TO 0.73 MILES SOUTH OF SR-2085 (JOSEPH M. BRYAN BLVD.) IN GREENSBORO.	TRIANGLE GRADING & PAVING INC	Snell, PE, William H	\$5,464,750.19	8/28/2017	9/15/2018	10/7/2017	7/31/2020	100	87.04
C204071	U-5169	I-74/US-311 AND NC-68 (EASTCHESTER DR) INTERCHANGE IMPROVEMENTS.	BRANCH CIVIL INC	Snell, PE, William H	\$22,481,354.65	7/30/2018	1/28/2021	9/14/2018	9/1/2021	100	73.57
C204096	U-2525C	GREENSBORO EASTERN LOOP FROM US-29 NORTH OF GREENSBORO TO SR-2303 (LAWNDALE DR).	ES WAGNER COMPANY LLC/SMITH-ROWE LL	Julian, Jason R	\$120,471,182.82	4/30/2018	11/20/2022	5/7/2018	7/14/2023	67.37	63.22
C204100	B-5351	REPLACE BRIDGE #237 AND #242 OVER DEEP RIVER ON US-29/US-70/I-85 BUS IN HIGH POINT.	SMITH-ROWE, LLC	Snell, PE, William H	\$8,026,687.83	7/30/2018	3/14/2021	8/1/2018	3/14/2021	100	94.22
C204103	U-2412A	SR-1486/SR-4121 (GREENSBORO/HIGH POINT RD) FROM US-311 BYPASS TO WEST OF SR-1480 (VICKREY CHAPEL RD).	BRANCH CIVIL INC	Lorenz, PE, Kris	\$55,963,119.69	7/30/2018	12/28/2021	9/12/2018	1/16/2022	76.5	65.33
C204174	I-5852A	PAVEMENT REHAB. ON I-73/US-421 FROM I-85 TO I-40 IN GREENSBORO.	DIAMOND SURFACE INC	Snell, PE, William H	\$13,393,320.88	3/15/2019	10/15/2020	3/18/2019	12/15/2020	100	88.2
C204371	U-2581BA	US-70 (BURLINGTON RD) FROM WEST OF SR-3045 (MT HOPE CHURCH RD) /SR-2819 (MCLEANSVILLE RD) TO EAST OF SR-2826 (BIRCH CREEK RD).	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Snell, PE, William H	\$11,125,538.10	7/1/2020	4/30/2022	7/1/2020	4/30/2022	19.83	28.89

North Carolina Department of Transportation

1/4/2021

Active Projects Under Construction - Guilford Co.

Contract Number	TIP Number	Location Description	Contractor Name	Resident Engineer	Contract Bid Amount	Availability Date	Completion Date	Work Start Date	Estimated Completion Date	Progress Schedule Percent	Completion Percent
DG00429	B-4958	REPLACE BRIDGE #106 ON SR 2128 (BUNCH ROAD) OVER REEDY FORK CREEK	NATIONAL BRIDGE BUILDERS LLC	Lorenz, PE, Kris	\$939,493.90	6/10/2019	2/24/2020	6/11/2019	7/22/2020	100	89.59
DG00432		RESURFACE A PORTION OF US 70 AND 6 SECONDARY ROADS IN ALAMANCE COUNTY AND A PORTION OF 1 SR IN GUILFORD CO.	RILEY PAVING INC	Howell, Bobby J	\$1,878,598.12	7/9/2018	11/1/2019	3/29/2019	10/31/2019	100	99.94
DG00446	B-5726	REPLACE BRIDGE # 135 ON SR 1001 (NORTH CHURCH STREET) OVER SQUIRREL CREEK	TRIANGLE GRADING & PAVING INC	Lorenz, PE, Kris	\$1,069,372.80	8/6/2018	6/1/2019	9/19/2018	7/31/2020	100	91.16
DG00454		WIDENING, MILLING, RESURFACING AND ADA COMPLIANT CURB RAMPS ON PORTIONS OF 57 SECONDARY ROADS	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Lorenz, PE, Kris	\$3,538,049.26	7/9/2018	11/1/2019	9/4/2018	5/12/2020	100	100
DG00462		REHAB. BRIDGES 264, 288, 260, 543 IN GUILFORD COUNTY AND BRIDGE 031 IN ORANGE COUNTY	ELITE INDUSTRIAL PAINTING INC	Snell, PE, William H	\$967,383.15	8/1/2019	1/1/2020				
DG00471		RESURFACE PORTIONS OF 1 NC ROUTE IN GUILFORD COUNTY, 1 US/NC ROUTE AND 2 NC ROUTES IN ROCKINGHAM COUNTY	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Julian, Jason R	\$1,689,469.14	7/8/2019	10/30/2020	9/28/2020	12/15/2020	100	100
DG00472	B-4960 I-5812	REMOVE BRIDGE # 214 ON SR 3058 (JUDGE ADAMS RD.) AND INSTALL GRAVEL EXTENSION OF SR 3224 (KONICA DR.)	SMITH-ROWE, LLC	Howell, Bobby J	\$1,689,142.69	4/1/2019	3/1/2020	5/29/2019	10/22/2020	100	100
DG00480	U-2412B(L)	LANDSCAPE PLANTING ALONG GATE CITY BLVD FROM SR 4121 (EAST MAIN ST) TO SR 1546 (GUILFORD COLLEGE ROAD)	MOTS LANDSCAPING & LAWNS LLC	Ingram, PE, J. Paul	\$175,647.50	9/1/2019	12/31/2021	9/9/2019	12/31/2021	100	100

What's Happening at PART



Piedmont Authority
for **Regional** Transportation

PART welcome's a new board chair

Each year the PART Board of Trustees Board officers are elected to oversee the business activities and provide policy directives for the regional government. An election was held in November and the new officers begin service in January 2021. The Board officers for 2021 are:

Chair - Marikay Abuzuaiter, Greensboro MPO chair, Greensboro City Council
Vice-chair - Fleming El-Amin, Forsyth County Board of County Commissioners
Secretary - Carolyn Coleman, Guilford County Board of County Commissioners
Treasurer - Kevin Austin, Yadkin County Board of County Commissioners



Chair Elect Marikay Abuzuaiter

Also at the November meeting, the Board thanked past-chair Dan Besse for his 7 years of service on the Board and 5 years as Chair. Mr. Besse is taking a break from public service as an elected official. He will always be remembered as a great champion for public transportation. Chair elect Marikay Abuzuaiter states, "I am truly honored to chair the 2021 PART Board of Trustees, realizing the importance of picking up where past chair, Winston-Salem City Council member Dan Besse, left off. PART offers exceptional opportunities to address regional transportation needs through innovation. I look forward to partnering with a host of member agencies to advance mobility for our residents and visitors." She becomes the fifth different chair in PART's 22 year history.

Scott Rhine, PART Executive Director, commented, "It is exciting to have our PART Board being led to achieve advancements with our mobility systems and services PART provides to the Region with excellent leadership and our Chairperson Abuzuaiter providing meaningful direction to our agency's mission and goal."

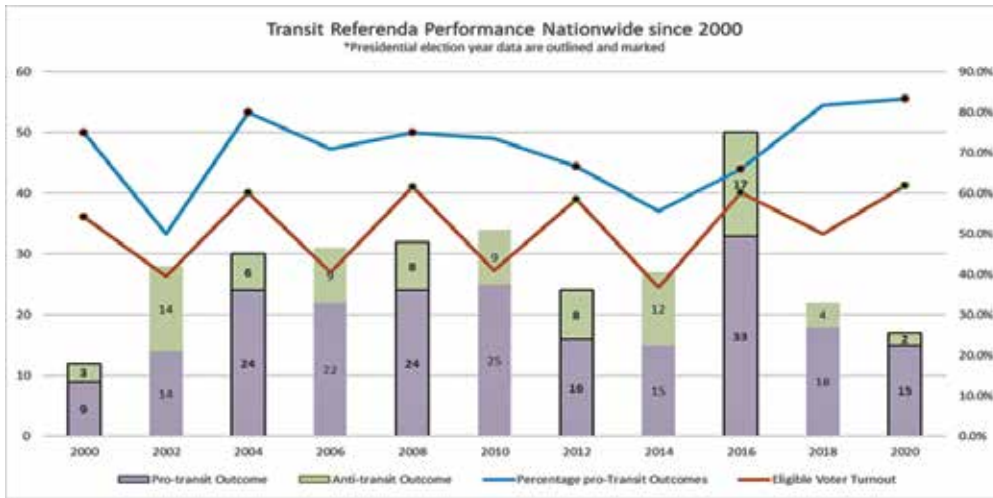
Transit referenda approval remains strong

On Tuesday November 3, 2020, in communities across the United States, voters continued to voice their overwhelming support for public transit by approving 15 out of 18 ballot measures in support of public transit. One measure is awaiting recount confirmation and two were not approved by voters. November election night's results add to the 32 public transit measures already passed by voters this year, bringing this year's total to 47 out of 51 wins for public transit, a 92% approval rate.

In spite of the huge changes and difficult challenges of the COVID-19 pandemic, voters have risen to support public transportation. Voters understand how important investments are to help our communities thrive. "Voters throughout the country once again overwhelmingly said 'yes' to public transit ballot measures that will expand and improve public transit, spur economic development and job creation, and connect communities and the people who live in them," said APTA President and CEO Paul P. Skoutelas. "Even during this pandemic and economic downturn, voters have spoken and

Continued on page 2

pledged their vote where they know it's needed – public transportation investment. These ballots once again underscore the importance of local, state, and federal partnerships in transportation investment.”



Source: APTA's Center for Transportation Excellence tracks and records all of the measures on its website.

Indeed, since 2000, 74% of all transit funding ballot measures in the United States have had pro-transit outcomes. This includes the ballot measure which failed to overturn Mecklenburg County's ½ cent sales tax. North Carolina's performance when it comes to transit funding is even better than the national total. Since 2000, NC voters have voted for transit in all nine (9) transit related funding measures that showed up on ballots—that's 100% pro-transit.

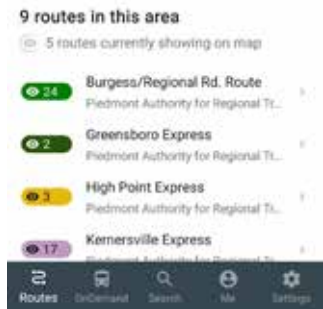
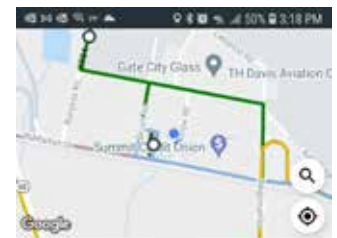
There's a new app in town

PART strives to provide public transportation passengers with tools to give them an excellent experience. All PART buses have bike racks and free Wi-Fi. Passengers can pay their fare on-line, then tap a smart card or their smart phone as they board. In 2015 PART provided its first tool to passengers - TransLoc. TransLoc provides real-time bus tracking online or through an app downloaded on to a smart phone. PART also uses TransLoc to provide service updates and delays. This tools also provides PART staff with bus performance data that is used to improve on-time performance.



TransLoc data was access 9,417 times by passengers during 2019. If you do not use TransLoc you might want to start. For the first time TransLoc has made major enhancement to its user experience. The older Rider app is going away on January 31, 2021. The new app to download is simply called TransLoc. The icon image is shown to the left. It is available on IOS and Android platforms. Whether you are a current user of the app or you are

ready to become a new fan – download the TransLoc app today. TransLoc is also available if you a GTA, High Point Transit, DCTS or LINK passenger, making your regional travel all the more easy.



New TransLoc screen shot.

“Slashing or eliminating the transit service that carried 34 million passengers a day in 2019 will cause a national mobility crisis in 2021, hobbling the economic recovery that a crisis-weary nation needs. Traffic is already returning to the nation's roads, and could easily reach pre-pandemic levels of gridlock unless checked. In cities across the country, streets will become impassable if even a fraction of former transit riders return to work and errands in cars.”

Source: Janette Sadik-Khan and Seth Solomonow. December 21, 2020. Public Transit Has to Come Back. https://www.theatlantic.com/ideas/archive/2020/12/public-transit-has-come-back/617435/?utm_source=feed

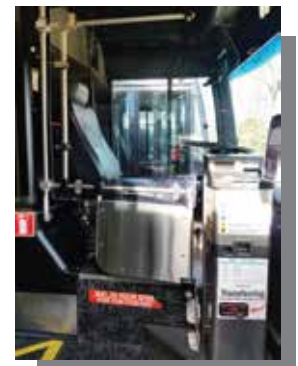
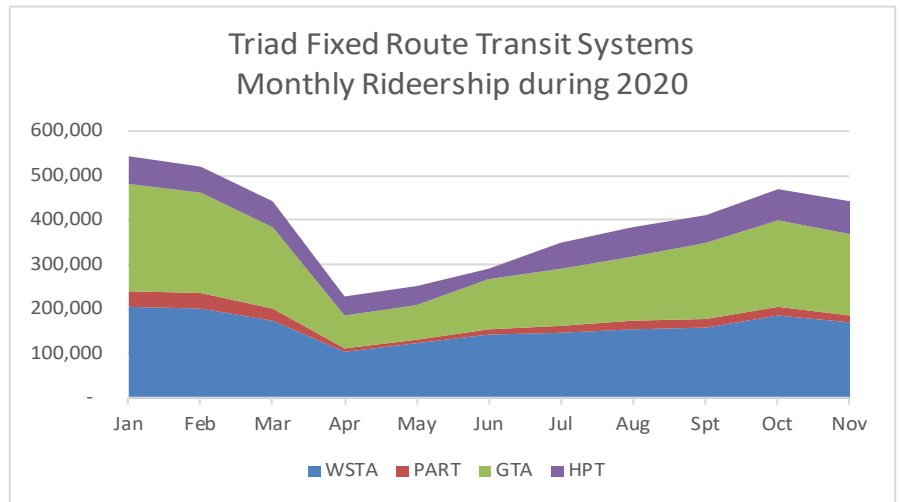
Safety and ridership during the pandemic

The pandemic has provided numerous disruptions to public transportation agencies and passengers across the Triad and the country. Providing an efficient, effective and safe service during this period has been challenging. Federal support through the CARES Act has played a vital role in keeping the buses running. One thing the pandemic has highlighted is that essential workers need public transportation. Ridership across the Triad's four urban fixed route systems remains about 19% below the January 2020 baseline.

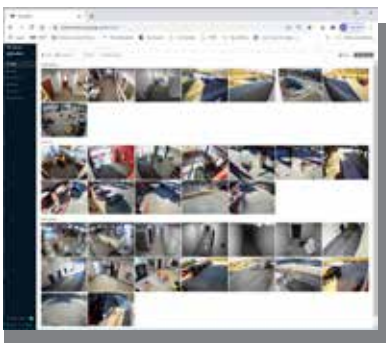
PART Express, a commuter express service, is 54% below the January baseline. Since May 2020 ridership slowly increased over the next five months. Historically the lowest ridership months are November and December. Matching that trend, ridership across the region dipped in November and we should not expect a significant rise again until February or March of 2021.

The decision to ride during the pandemic has been difficult for many and even discouraged by public health officials. However, transit systems across the country have taken extraordinary measures to keep drivers and the public safe. Systems have taken numerous steps from limiting the exchange of cash, speeding up boarding times, limiting capacity on the vehicles to requiring facial coverings. Then there have been extreme measures like reducing service and discontinuing routes.

PART has made numerous service adjustments, required facial coverings and promoted contactless fare payment through Touchpass as its main safety strategies. But the effort continues as PART will be adding driver barriers to all its vehicles. This will add an additional layer of protection for our essential frontline employees - our bus operators.



Enhancing security on campus



Identifying the need to integrate a seamless video surveillance system across the PART campus, an RFP was released in October. The scope of work included the upgrade of both hardware and software for PART's administrative, maintenance, and Coble Transportation Center. Turnkey Technologies was awarded the contract and began work in November. Using Verkada's hybrid cloud cameras and Command software, installation was completed in half the time of traditional programs. The web-based platform allows for accessibility and monitoring from any browser. The camera's environmental sensors monitor and detect changes that occur across the facility. Most encouraging is the systems ability to expand and integrate remote facilities such as PARTs Park & Ride locations.

STAY CONNECTED



TransLoc Bus Tracking App

www.PARTNC.org
336.883.7278
contactus@partnc.org

Monitoring the impacts of COVID-19 is tricky. Most aspects of our lives have changed – in some cases slightly and others quite seriously. This presentation of data focuses on impacts to traffic volumes and patterns. The goal is to understanding when volumes and patterns have normalized. **The data presented in this report falls into three categories. Social and economic factors look at institutional responses and economic indicators. A new category looks at the spread of the virus and vaccination rates. The third category looks at several comparative measures of transit ridership, traffic volumes and travel behavior determinates. Updates from prior reports are highlighted in red. Given the length of time the data covers and the progression of the pandemic the factors have been changed and the report reformatted.** Comments and suggestions for additional factors are welcomed. They can be e-mailed to Mark E. Kirstner, AICP at markk@partnc.org.

Social and Economic Factors

NC's Phased Response

No Restrictions
Phase 3
Phase 2.5
Phase 2
Phase 1

North Carolina’s response to COVID-19 has the most impact on all the other factors. The Safer at Home advice, closure of specific businesses and restrictions on gatherings influence how often and when people travel. Closely related to the State’s phased response to COVID-19 is the return to school both at the secondary and college level. **N.C. remains in Phase 3 while COVID-19 cases have spiked and set record highs. Vaccination rated are reported on page 2.**

Source: www.ncgov/COVID-19

Return to School

In Person
Hybrid
Remote

Unemployment Rates (unadjusted)

Area	Pre-COVID	Feb-20	Previous Sep-20	Oct-20	Current 20-Nov
	Jan-20				
United States	3.6	3.5	7.7	6.6	6.4
North Carolina	3.6	3.6	6.9	6.0	6.1
Triad Region	4.0	3.7	7.3	6.3	6.4
Burlington MSA	3.9	3.6	6.8	5.9	5.9
Greensboro-High Point MSA	4.3	3.9	7.9	6.9	6.9
Winston-Salem MSA	3.9	3.5	6.8	5.9	6.0

While only about 1/3 of all trips are work related, these trips are the greatest contributor to peak period demand. A return to work begins to imply a normalization of traffic patterns and the economy. Unemployment figures are adjusted overtime and are typically a month behind. **North Carolina moved into Phase 3 in October. There was only a 1/10 of a percent change from October to November.**

Source: NC Department of Commerce
<https://d4.nccommerce.com/LausSelection.aspx>

COVID-19 METRICS

Vaccinations Completed

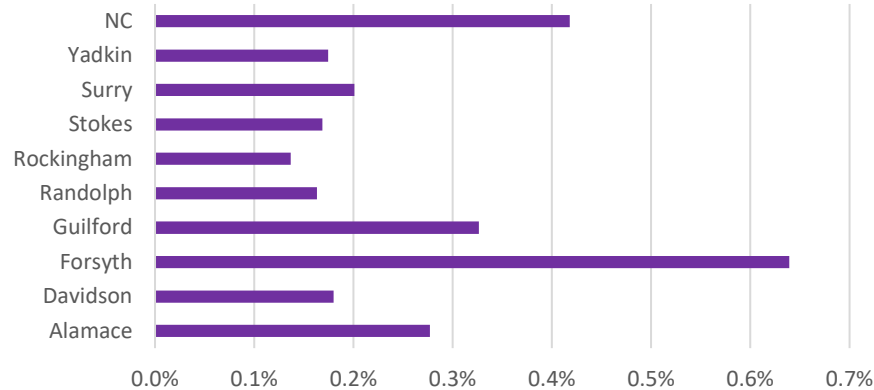
> 80%
 71% to 80%
 51% to 70%
 26% to 50%
 < 25%

Infection Rates

There is no baseline for COVID-19, only when the impacts showed up in the data. As with the flu, the virus will be with us forever. Vaccines and proven treatments will lessen the impacts. The charts below begin on March 1, 2020 when the U.S. declared a National Emergency. The psychological adjustment and therefore the impact on travel will remain after there is a vaccine. **The number of Active Cases per 1,000 has increased from 6.27 in November to 10.55 in December to 19.04 in January.**

Source: Maryland Transportation Institute (2020). University of Maryland COVID-19 Impact Analysis Platform, <https://data.covid.umd.edu>, accessed on January 15, 2021, University of Maryland, College Park, USA.

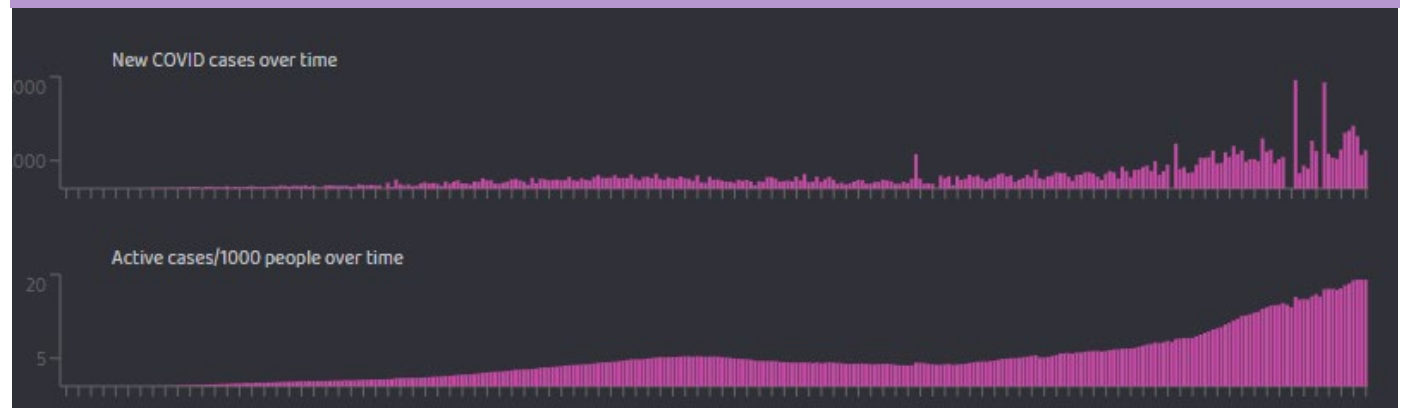
Dose #2 Administered by % of Population as of January 13, 2021 11:59 PM



North Carolina began vaccinations December 14, 2020. As of January 14th Group 1: Health care workers & Long-Term Care staff and residents and Group 2: Older adults were approved for vaccinations. According to Dr. Anthony Fauci, "I would think that you would need somewhere between 70, 75, maybe 80% of the population vaccinated, the number that I've been using again it's an estimate. You can make an extrapolation from other infections. ... If we get that we would develop a umbrella of immunity." Source: North Carolina Department of Health and Human Services website, <https://covid19.ncdhhs.gov/about-covid-19>, accessed on January 15, 2021. CNBC interview with Dr. Anthony Fauci conducted by CNBC's Senior Health and Science Reporter Meg Tirrell and published on December 16, 2020.

North Carolina Rates

On January 15, 2021 New COVID Cases = 6,854 New Cases per 1000 People = 19.4



Transportation Factors

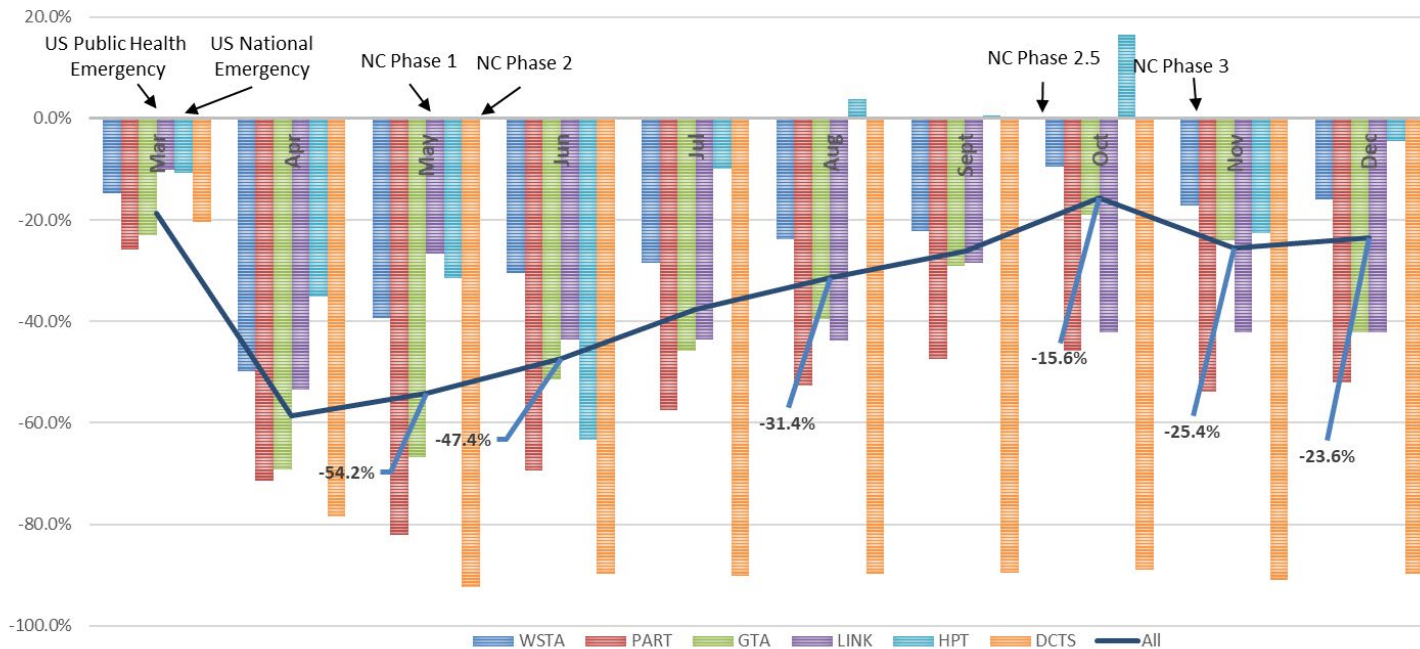
Transit Ridership

Greater than 5% of baseline
 Baseline
 Within -25% of baseline
 Less than -25% of baseline

The long-term impact on public transportation ridership is unknown. Remote working, funding cuts and pandemic fear (e.g., spending time inside transit vehicles in close proximity to other passengers) will perhaps impact transit's normalization longer than other factors. **Transit ridership typically decreases during November and December. The numbers bear that out. But December ridership was only slightly lower than in November. GTA, High Point Transit and WSTA returned to collecting fares in January.** DCTS has not resumed its fixed route service and ridership on PART's Route 4 from Greensboro to Chapel Hill remains well below its norm.

Source: Piedmont Triad Transit Systems

PUBLIC TRANSPORTATION RIDERSHIP IN THE PIEDMONT TRIAD PERCENTAGE CHANGE FROM MARCH 2020 TO PRESENT



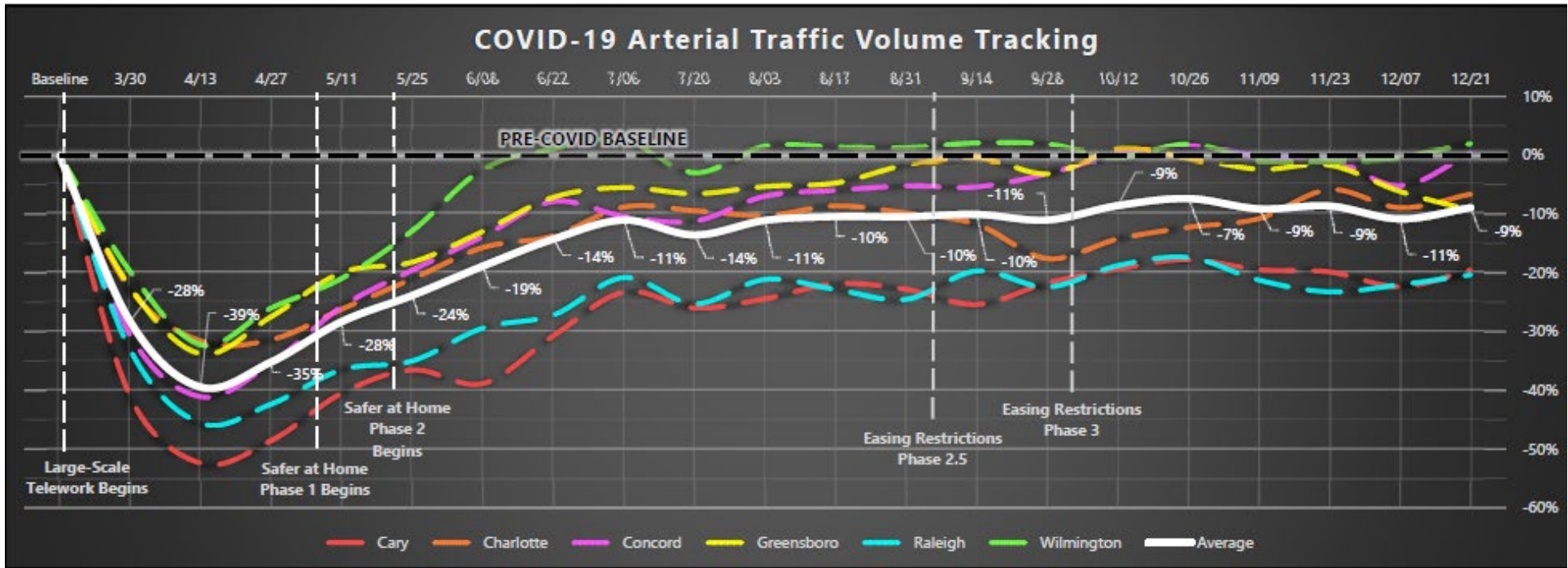
Note: Each system collects and reports monthly ridership on different schedules. If data is not available at the time of publication ridership from the previous month is used.

Traffic Volume

A 10-week norm
 Greater than 5% of baseline
 +/- 5% of baseline
-25% to -5% of baseline
 Less than -25% of baseline

Traffic volumes in Greensboro had been declining since the end of October. At the ned of October Greensboro volumes return to baseline from one week. But have since dropped to -6% below baseline. Moving above the baseline only means that traffic volumes have returned to a pre-COVID level and should not be considered a return or establishment of a new norm. Volumes will continue to fluctuate over the next six months, normalization may not appear in the data until spring of 2021. Remote working has seen a steep increase. Several tech companies have switched all its employees to working remotely. It is speculated that working remotely will be more of the new normal and less of the occasional occurrence. But this impact will look different depending on which employment sectors dominate within a region.

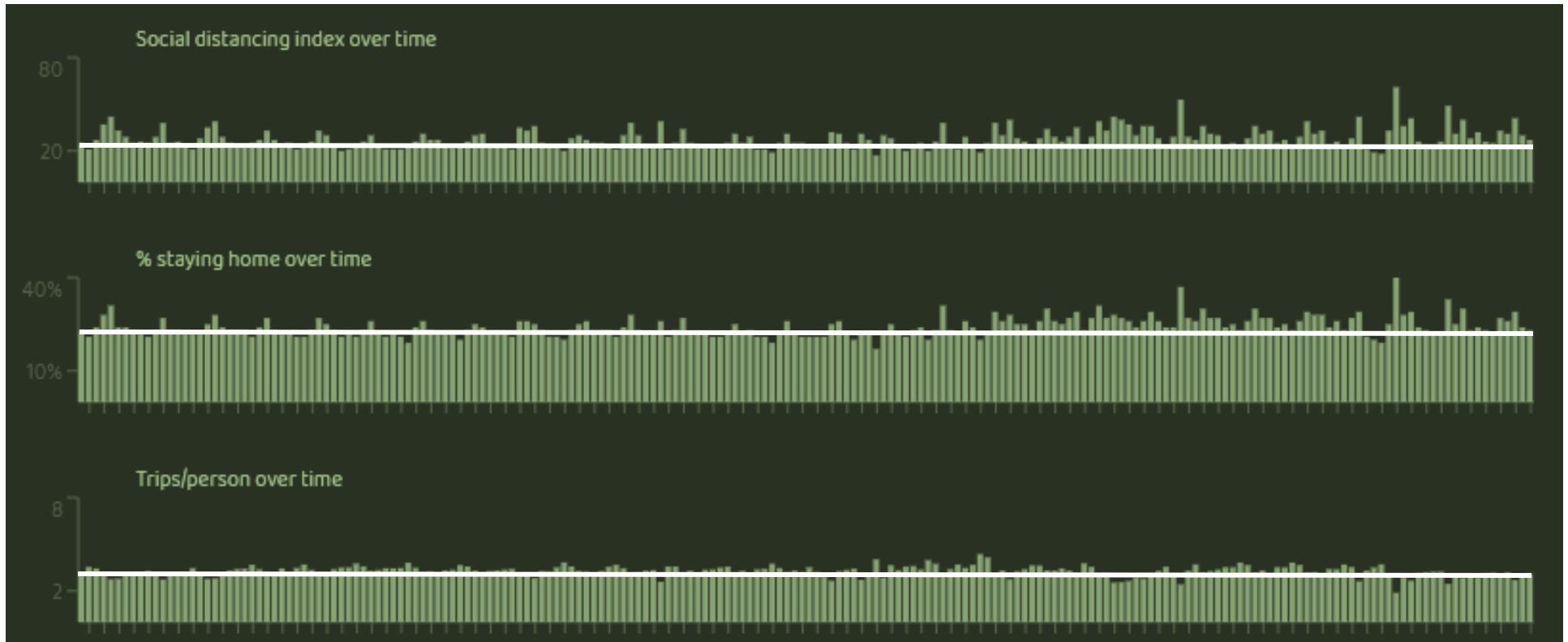
Source: NCDOT (Collection of this data has been put on hold until fall 2021)



Mobility and Trip Generation

Traffic volumes and travel behavior are keys indicators for establishing a new normal. While remote work is not measured below one can easily infer through social distance and staying at home that remote work is a significant factor. Traffic trips and patterns may never return to pre-COVID levels so establishing the new normal will be challenge. **The charts below start on Wednesday, July 1, 2020. The white line provides a visual comparison for changes over time. These factors below are very close to last months.**

Source: Maryland Transportation Institute (2020). University of Maryland COVID-19 Impact Analysis Platform, <https://data.covid.umd.edu>, accessed on November 17, 2020, University of Maryland, College Park, USA



Why a return to norm analysis?

The impacts of COVID-19 are well documented. The impacts on traffic are evident on our roadways. Summertime usually means more interstate traffic. Then when schools are in session, parents are taking children to school on different routes from home to work. Stay-at-home, no school, remote working and take out or delivery not only have lowered traffic volumes but also changed traffic patterns. The impacts COVID-19 had on traffic quickly revealed themselves. Understanding when volumes and patterns normalize will be challenging. For PART, understanding when normalization has occurred or when we have settled into a new normal is critical. The Piedmont Triad MPO's and PART have two regional studies related to travel behavior on hold; one is related to freight and delivery truck movements and the other to household travel. Tracking the six factors above will provide insight as to when a return to normal occurs or when the new normal is reached. In all cases moving up the list reflects a return to normal. Normalization would be defined when a numerical measure remains consistent after 3-months.
