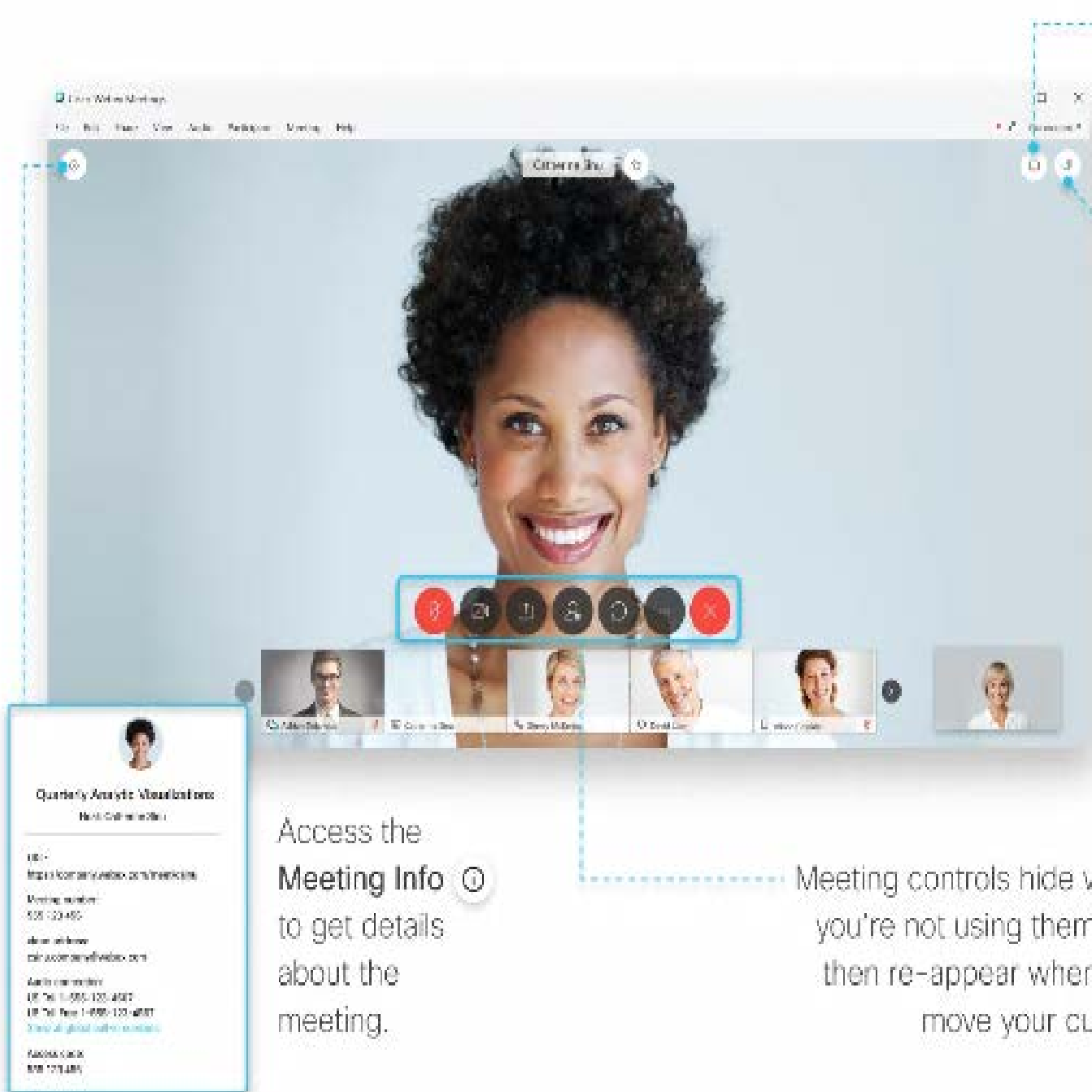


Greensboro Urban Area MPO



**Technical Coordinating Committee
December 8, 2020**



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

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

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

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


Quarterly Analytic Visualizations
Meeting ID: 123 456 789
Meeting number: 123 456 789
Join link: [https://zoom.us/j/123456789](#)
Audio options:
US: Tel: 1-888-123-4567
UK: Tel: +44-208-123-4567
Zoom at global call centers
1-800-598-9737
800-775-8689

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

**TCC Roll Call
& Attendee Verification**

Action Items

December 8, 2020



TECHNICAL COORDINATING COMMITTEE

MEETING MINUTES OF AUGUST 18, 2020

2:00 p.m., Greensboro, NC

WebEx Online Virtual Meeting

Attendance

Tyler Meyer	<i>GDOT/MPO</i>	George Linney	<i>GTA</i>
Hanna Cockburn	<i>GDOT</i>	Mark Kirstner	<i>PART</i>
Chris Spencer	<i>GDOT</i>	Suzette Morales	<i>FHWA</i>
Deniece Conway	<i>GDOT</i>	Elizabeth Jernigan	<i>GSO Parks and Rec.</i>
Craig McKinney	<i>GDOT/MPO</i>	Scott Whitaker	<i>Town of Summerfield</i>
Lydia McIntyre	<i>GDOT/MPO</i>	Michael Abuya	<i>NCDOT TPD</i>
Tram Truong	<i>GDOT/MPO</i>	Pat Wilson	<i>NCDOT</i>
Yuan Zhou	<i>GDOT/MPO</i>	Stephen Robinson	<i>NCDOT Div. 7</i>
Chandler Hagen	<i>GDOT/MPO</i>	Tamara Njegovan	<i>NCDOT Div. 7</i>
Gray Johnston	<i>GDOT/GTA</i>	Sean Taylor	<i>Town of Oak Ridge</i>

Lydia McIntyre called the meeting to order at approximately 2:02 PM.

2045 Metropolitan Transportation and Comprehensive Transportation Plans

MTP Overview

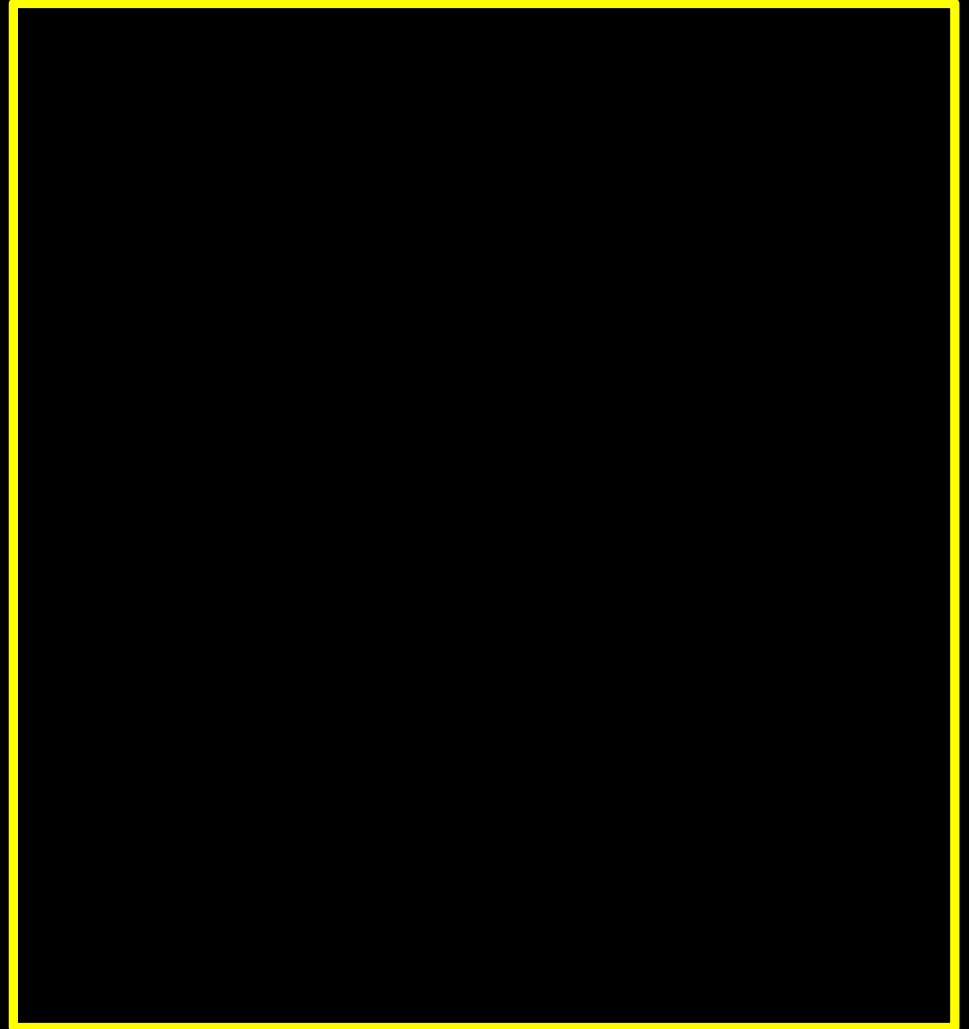
- ❖ Federal Requirement
- ❖ 20 year + Transportation Planning Projections
- ❖ Projects must be in MTP before they can be added to the TIP and implemented
- ❖ MTP takes months and a great deal of work to prepare



2045 Metropolitan Transportation

Plan Highlights

- Planning Elements
- Project Snapshots
- Environmental considerations
- Innovations in Planning
- Implementing the Plan



2045 Metropolitan Transportation

Public Outreach

- ✓ 5 newspapers including electronic ads
- ✓ Virtual Presentation
- ✓ Social Media Posts
 - Nextdoor
 - Facebook
- ✓ Total Engagements
 - 33 (presentation, surveys, emails)
 - 201 (Facebook)



GREENSBORO URBAN AREA MPO
METROPOLITAN PLANNING ORGANIZATION

2045 GREENSBORO MPO METROPOLITAN TRANSPORTATION PLAN

Draft Long-Range Transportation Plans Available for Review Until December 1


The draft 2045 Metropolitan Transportation Plan and the Greensboro Urban Area Comprehensive Transportation Plan are available for review and public comment until December 1.

View the plans at www.guamppo.org, or during a virtual presentation from 12:30-1:30 pm, Thursday, November 19, streaming live on the MPO's Facebook page, www.facebook.com/GreensboroMPO.

The Metropolitan Transportation Plan is a long-range planning document that

AVAILABLE FOR PUBLIC REVIEW

Interested in Future Transportation Projects?
ONLINE MEETING
November 19, 2020 | From 12:30PM-1:30PM



Draft 2045 Metropolitan Transportation Plan and Greensboro Urban Area Draft Comprehensive Transportation Plan

GREENSBORO URBAN AREA MPO
METROPOLITAN PLANNING ORGANIZATION

LEARN MORE

2045 Metropolitan Transportation

Public Comments



BiPed & Transit

Connectivity &
Flexibility

Increase
accommodations

Increase Public
Participation

Mapping & Project
Recommendations

Project Related

Summerfield
Road

Sandy Ridge
Extension

Pleasant Ridge
Road

Urban Loop

New Revenue Sources

63% Strongly Agree on
Bonds

45% Strongly Agree on
1/4 cent tax for transit

36% Somewhat Agree
on increase State gas
taxes & highway use tax

55% Somewhat Agree
on Tolling/ Congestion
Pricing

Document Recommendations

Expand on Car
Optional Focus

Complete Streets

Airport Expansion

Electric Power Grids &
Autonomous Vehicles

Action

Business

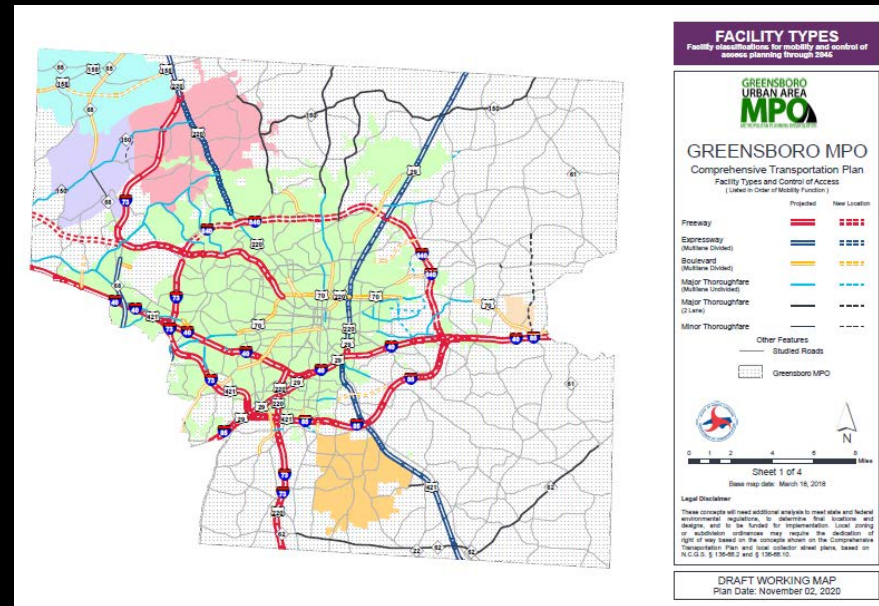
Other

2045 Comprehensive Transportation Plan

- CTP Required by NCDOT

- Multi-modal maps

- » Highway
- » Pedestrian
- » Bicycle
- » Public Transit
- » Rail



- Identifies needs and recommendations
- Consistent with MTP
- Last Approved August 2010

2045 Comprehensive Transportation Plan

Public Comments

- Recommend NCDOT reevaluate classification for BiPed and Transit
- Believe too many projects shown
- Recommend creating hierarchy of needed projects by mode including micromobility

Resolution Approval

2045 Metropolitan Transportation

RESOLUTION ADOPTING THE GREENSBORO URBAN AREA 2045 METROPOLITAN TRANSPORTATION PLAN

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

WHEREAS, the Fixing America's Surface Transportation (FAST Act) require all Metropolitan Planning Organizations (MPOs) to develop and maintain a metropolitan transportation plan; and

WHEREAS, the Transportation Advisory Committee has found the Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive (3-C) manner in accordance with 23 U.S.C. and 49 U.S.C. 1607; and

WHEREAS, the metropolitan transportation plan must address all modes of transportation in an urban area, have a horizon year of at least 20 years, and be financially constrained; and

WHEREAS, the socio-economic data inputs for the Piedmont Triad Regional Travel Demand Model, upon which forecasts of future vehicular travel are based, have been updated to reflect the most recent planning assumptions; and

WHEREAS, the Transportation Advisory Committee has provided for a public comment period for the proposed Metropolitan Transportation Plan based on the Public Participation Plan adopted August 19, 2020; and

Comprehensive Transportation Plan

RESOLUTION ADOPTING THE FINAL GREENSBORO URBAN AREA METROPOLITAN COMPREHENSIVE TRANSPORTATION PLAN (CTP)

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, Greensboro Urban Area and the Transportation Planning Branch, North Carolina Department of Transportation actively worked to develop a comprehensive transportation plan for the Greensboro Urban Area; and

WHEREAS, the Comprehensive Transportation Plan (CTP) serves as a guide to provide a coordinated, efficient, and economical transportation system that considers all modes of transportation; and

WHEREAS, the purpose of the CTP is to document present and future transportation needs and recommends improvements; and

WHEREAS, the Greensboro Urban Area and the Department of Transportation are directed by North Carolina General Statutes 136-66.2 to reach agreement for a transportation system that will serve present and anticipated volumes of traffic; and

WHEREAS, the CTP is consistent with the 2045 Metropolitan Transportation Plan, but is not fiscally constrained;

Recommendation: Approval of resolutions

Action Business Other

2021 Safety Performance Measure Targets

Performance Measures	Five-Year Rolling Average				
	Baseline (Actual)			Targets	
	2013-2017	2014-2018	2015-2019	2016-2020	2017-2021
Number of Fatalities	1,359.00	1,396.40	1,427.20	1,227.80	1,309.90
Rate of Fatalities per 100 Million Vehicle Miles Traveled	1.214	1.211	1.208	1.084	1.105
Number of Serious Injuries	2,860.80	3,362.60	3,905.00	2,812.80	3,656.10
Rate of Serious Injuries per 100 Million Vehicle Miles Traveled	2.524	2.886	3.281	2.462	3.065
Number of Combined Non- Motorized Fatalities and Non- Motorized Serious Injuries	431.4	494.6	543.4	494.6	504.4

2021 Safety Performance Measure Targets

RESOLUTION ENDORSING TARGETS FOR SAFETY PERFORMANCE MEASURES ESTABLISHED BY NCDOT

A motion was made by TAC Member _____ and seconded by TAC Member _____ for 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 Highway Safety Improvement Program (HSIP) final rule (23 CFR Part 490) requires States to set targets for five safety performance measures annually, by August 31, and;

WHEREAS, the North Carolina Department of Transportation (NCDOT) has established targets for five performance measures based on five year rolling averages for: (1) Number of Fatalities, (2) Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT), (3) Number of Serious Injuries, (4) Rate of Serious Injuries per 100 million VMT, and (5) Number of Non-Motorized (bicycle and pedestrian) Fatalities and Non-motorized Serious Injuries, and;

Recommendation: Approval

MTIP Amendment: Technical Plan for Internet Access TU-0002

- Adds FTA discretionary grant under new *Helping Obtain Prosperity for Everyone* program in FY 21
- Goal: narrow the digital divide with free accessible high speed internet in areas of persistent poverty & on transit
- Scope: develop a technical plan for implementation
- Will include assets such as transit infrastructure, city facilities, fiber networks, and LED streetlights
- Will interlink with other broadband initiatives
- Implementation likely involves university & private partners
- Add \$234,000 in Sec. 5305 funding in FY 2021

MTIP Amendment: Add Statewide Bridge Inspection Program Project HB-9999



- Bridges are inspected at least every two years
- Inspections include railings, decks, expansion joints, superstructure & substructure
- Results guide scheduling of maintenance & repair work
- Replaces project B-9999
- Programs \$26 million annually from 2021 – 2026

MTIP Amendment & Modification: STIP Rebalancing

- NCDOT STIP found to be out of balance in Summer 2020
 - Causes include COVID revenue losses, prior fiscal strain & cost escalation on major projects
- NCDOT had to reestablish fiscal constraint
 - Extensive STIP project schedule changes between August & December
 - The MPO made first set of changes in August 2020
 - December MTIP amendment catches MTIP up to the STIP on additional changes NCDOT made since August
 - Many projects have been impacted
- Total MTIP funding level down \$96 million to \$626 million as of August levels

TIP #	Project Name - Description	Right-of-Way (FY)		Construction (FY)	
		Current	Proposed	Current	Proposed
I-5964	I-40/Elm-Eugene St Interchange	N/A	N/A	Under Construction	2023
EB-6009	Summit Ave, Sullivan St to Fourth St. Bicycle, Pedestrian & Safety Improvements.	2026	2028	2028	Future Years
I-5712	I-40/Sandy Ridge Rd Interchange	2021	2025	2023	2027
I-5735	I-73/US 220, Randolph Co. to I-85/US 421. Pavement Rehab.	N/A	N/A	2025	2028
I-5965	I-40, Freeman Mill Rd to US 29. Interchange Improvements & Widening.	2028	2029	2028	Future Years
I-6004	I-40/I-85/Rock Dairy Rd Interchange	2025	2028	2028	Future Years
R-2577B	US 158, Belews Creek Rd to Anthony Rd. Widening.	2024	2029	2026	Future Years
R-4707	US 29/Reedy Fork Parkway Interchange	2020	2020	2021	2022
R-5823	NC 68/NC 65 to US 220/Future I-73. Widening.	2021	2022	2023	2024
R-5889	US 29 (Future I-785), Hicone Rd to US 158. Upgrade to Interstate Standards.	2024	2026	2027	2029
U-5850	Randleman Rd, Elmsley Dr to Glendale Dr. Widening.	2021	2022	2024	2025
U-5851	Church St, Wendover Ave to Cone Blvd. Widening.	2022	2028	2024	Future Years
U-5892	Battleground Ave (US 220), Westridge Rd to Cotswold Terr.	2023	2024	2024	2026
U-6008	Bryan Blvd/New Garden Rd/Horse Pen Creek Rd Interchange	2021	2022	2022	2023
U-6045	Sandy Ridge Rd, I-40 to W. Market St.	2026	2027	2028	Future Years
U-6100	US 29, Gate City Blvd to South of I-785. Access Management, Safety & Interchange Improvements.	2027	2029	Future Years	Future Years
U-6121	Wendover Ave, NC 68 to Guilford College Rd. Widening	2025	2026	2027	2029
U-6129	W Friendly Ave, Pembroke Rd to Green Valley Rd. Access Management and Intersection Improvements.	2025	2026	2026	2029
U-6181	McKnight Mill Rd/Minorwood Rd Intersection	2027	2027	2028	Future Years
U-6185	McConnell Rd/Willow Rd. Construct Roundabout.	2027	2027	2028	Future Years
U-6186	N Church St/Archergate Rd/Spencer Dixon Rd. Intersection	2027	2027	2028	Future Years
U-6211	Pleasant Ridge Rd/Fleming Rd. Intersection	2027	2027	2028	Future Years
U-6212	NC 62/Randleman Rd. Intersection	2027	2027	2028	Future Years
U-5812	Pisgah Church Rd/Lawndale Dr/Martinsville Rd Intersection	2020	2022	2021	2023
U-5852	Benjamin Pkwy/Bryan Blvd, Wendover Ave to Holden Rd. Widening.	2022	2023	2023	2024
EB-5877	Farmington Dr, Holden Rd to Gate City Blvd. Add sidewalk.	2020	2021	2020	2021
EB-5878	Meadowview Rd, Randleman to S. Elm-Eugene St. Add sidewalk.	2020	2021	2020	2021
I-5955*	I-40, Holden Rd to east of Gate City Blvd. Pavement Rehab.	N/A	N/A	2024	2023
U-2525C*	Future I-840 (Urban Loop), US 29 to Lawndale Dr.	N/A	N/A	2021	2021
U-6122*	NC 68, Gallimore Dairy Rd to Triad Center Dr. Upgrade to Superstreet.	2025	2025	2027	2027

Action Business Other

Recommendation: Approval

Business Items

December 9, 2020

Action Business Other



Proposed 2021 MPO Meeting Schedule

Technical Coordinating Committee (TCC)
2:00 - 3:30 pm online

Transportation Advisory Committee (TAC)
2:00 - 3:30 pm online

Due to COVID-19 restrictions, meetings will occur online until further notice.

Tuesday, January 26, TCC Wednesday, January 27, TAC	Tuesday, August 10, TCC Wednesday, August 11 TAC
Tuesday, March 9, TCC Wednesdy, March 10, TAC	Tuesday, September 21, TCC Wednesday, September 22, TAC
Tuesday, May 11, TCC Wednesday, May 12 TAC	Tuesday, November 9, TCC Wednesday, November 10, TAC
Tuesday, June 22, TCC Wednesday, June 23 TAC	Tuesday, December 14, TCC Wednesday, December 15, TAC

TAC review & approval pending

2020 Congestion Management Process (CMP) Modification



Document Snap Shot:

- ✓ Introduction
- ✓ Existing Conditions
- ✓ **Multi-Modal Performance Evaluation**
- ✓ Management Strategies
- ✓ Findings and Recommendations

UPDATE

2020 Congestion Management Process (CMP) Amendment

ROADWAY PERFORMANCE

Goal: Mobility

Objective: Reduce the % Centerline Miles experiencing congestion by 15% by 2025.

Measure 1: Existing Centerline Miles by functional class

Measure 2: Identification of Highest Bottleneck Locations

Measure 3: 2014-2018 Vehicle Hours of Delay

Measure 4: 2014-2018 % Below Free Flow Speed

Measure 5: Travel Time Reliability **Added**

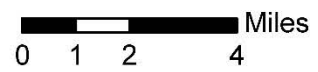
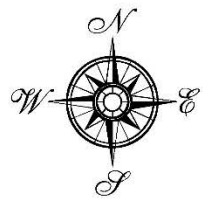
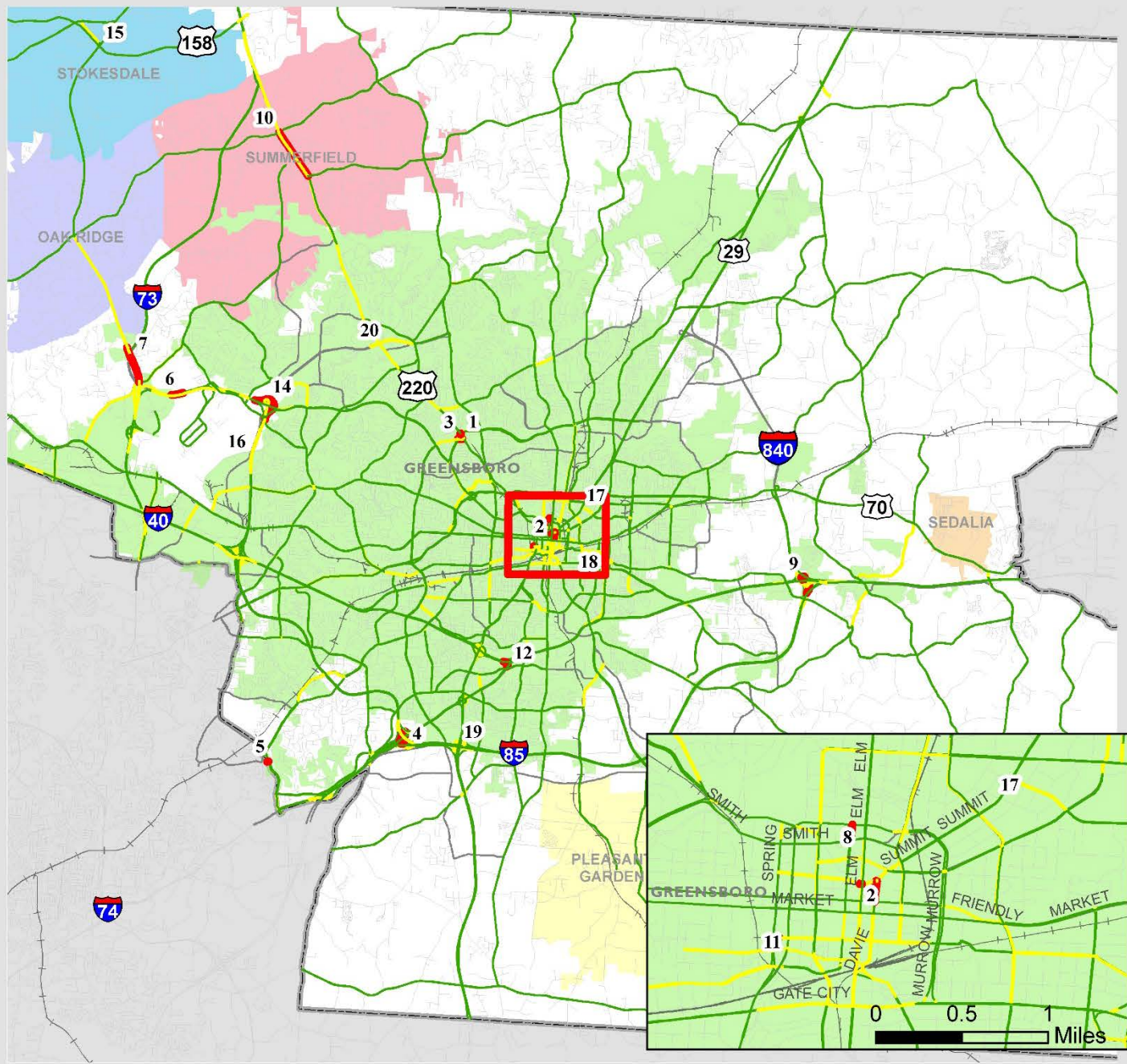
Source: I-95 Corridor Coalition's Vehicle Probe Project (VPP), Piedmont Triad Regional Model Version 5.1

Greensboro MPO Congestion Management Process

Figure 3.17
Travel Time Reliability

Travel Time Index 2018

- 1.00 - 1.20
- 1.21 - 2.40
- >2.40



Division Engineer Updates

Action Business Other

Project Updates

Action Business Other

U-5532A Josephine Boyd & Walker - Bids opened 11/19/2020



Up Next: B-5553 Ballinger Road Bridge



Bid opening 1/14/2021

Action Business Other

C-5555E College / New Garden Sidewalks

Bid opening: 1/28/2021



Strategic Reports

Action Business Other

Strategic Reports

January meeting topics

- UPWP draft review
- Transit safety performance measures
- Additional MTIP items

Other highlights

- Staff will review MTP comments as it modifies the document into its final adopted form
- Micromobility vendor selection pending
- Vision Zero Safety Engineer LTE position ready to advertise soon

NC Moves 2050 Plan

- 2600 comments on the final report/recommendations
- Added additional information on Executive Order 80 and how it interacts with NC Moves 2050 Plan
- The NC Moves 2050 Plan goes to the Board of Transportation in January 2021 for adoption
- A video about the plan available in January with interactive web tool online
- NC Moves stakeholder meetings in February to review recommendations and implementation plan





Other Items

1. Member Updates
2. Wrap up
3. Next Meeting January 26, 2021 at 2 PM

Greensboro Urban Area MPO



**Technical Coordinating Committee
December 8, 2020**