

Year 2045 Long-Range Transportation Needs Plan Public Hearing



Gainesville, FL
June 22, 2020



Metropolitan Transportation Planning Organization
for the Gainesville Urbanized Area

Year 2045 Long-Range Transportation Needs Plan Public Hearing - Presenters

- Scott R. Koons, AICP
Executive Director
Metropolitan Transportation Planning Organization
for the Gainesville Urbanized Area
- Edward Ng, MPP, MPL, AICP
Technical Vice-President, Planning
The Corradino Group



Year 2045 Long-Range Transportation Needs Plan Public Hearing - Overview

- Public Involvement with COVID-19 Impacts / Non-Discrimination Policy
- Presentation -

Transportation Network Analysis – Congested Roadways

Draft Year 2045 Long-Range Transportation Needs Plan

Bicycle and Pedestrian Projects [Alachua Countywide Bicycle-Pedestrian Master Plan]

Transit Projects [Regional Transit System Transit Development Plan]

Roadway Capacity Projects [Congested Corridor Analyses]

- Open Public Hearing
- Public Comments
- Close Public Hearing
- Adoption of the Year 2045 Long-Range Transportation Needs Plan
- Next Steps



Title VI Nondiscrimination Notice

It is the policy of the Metropolitan Transportation Planning Organization for the Gainesville Urbanized Area that no person shall on the basis of race, color, national origin, sex, age, disability, familial status, religious status, marital status, sexual orientation, or gender identity, as provided by Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987 and the Florida Civil Rights Act of 1992 be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination or retaliation under any Metropolitan Transportation Planning Organization for the Gainesville Urbanized Area program or activity.

Aviso de No Discriminación de Título VI

Es la política de la Organización Metropolitana de Planificación del Transporte del Área Urbana de Gainesville, que ninguna persona sea excluida de poder participar, negársele beneficios, o de alguna manera ser sujeto a discriminación o represalias en cualquiera de los programas o actividades de la Organización Metropolitana de Planificación del Transporte del Área Urbana de Gainesville por razón de raza, color, origen nacional, sexo, edad, impedimento físico, estatus familiar, preferencia religiosa, estado civil, orientación sexual, identidad de género, según previsto por el Título VI del Acta de Derechos Civiles de 1964, el Acta de Restauración de Derechos Civiles de 1987 y el Acta de Derechos Civiles del Estado de la Florida de 1992.

Title VI Nondiscrimination Complaints / Quejas de No Discriminación de Título VI

Complete a complaint form and send it to the Title VI Coordinator

Completa una forma de queja y la manda a Coordinador de Título VI

Michael Escalante, Title VI Coordinator
2009 NW 67th Place, Gainesville, Florida 32653
352.955.2200, extension 114,
escalante@ncfrpc.org



Metropolitan Transportation Planning Organization
for the Gainesville Urbanized Area

Year 2045 Long-Range Transportation Plan Public Comments

The Metropolitan Transportation Planning Organization for the Gainesville Urbanized Area encourages public participation, including participation from freight shippers and public transit providers, in the Year 2045 Long-Range Transportation Plan update process.

Please provide written comments via the following Survey Monkey link:

<https://www.surveymonkey.com/r/Gainesville2045LRTP>



Year 2045 Long-Range Transportation Plan Technical Analysis

As part of the 2045 Long-Range Transportation Plan - Needs Plan roadway project list development, the following technical analysis was conducted using the updated Gainesville/Alachua County Model.

- Adopted Existing Plus Committed projects list was obtained from the Metropolitan Transportation Planning Organization staff.
- Existing Plus Committed projects were coded using the updated model 2015 base year network.
- 2045 socio-economic data was developed using 2040 approved data and five years of growth was added to match the University of Florida, Bureau of Economic and Business Research population estimate.
- University of Florida estimates of student enrollments, university employment, parking spaces and classroom seats were obtained from University of Florida staff.



Metropolitan Transportation Planning Organization
for the Gainesville Urbanized Area

Year 2045 Long-Range Transportation Plan

2015 - 2045 Socioeconomic Data Summary

Description	2015	2045	Growth
Total Population	253,317	309,800	0.74%
Single-family Dwelling Units	62,365	71,614	0.49%
Single-family Population	148,609	170,649	0.49%
Multi-family Dwelling Units	53,414	70,985	1.10%
Multi-family Population	104,707	139,151	1.10%
Hotel-Motel Dwelling Units	4,806	5,931	0.78%
School Enrollment	34,978	43,163	0.78%
Total Employment	154,646	215,886	1.32%
UF Employment	25,525	25,944	0.05%
UF Dorm Students	10,509	11,790	0.32%
UF Off-campus Students	33,063	34,556	0.00%
UF Parking	15,957	19,564	0.75%
Capacity	28,336	28,336	0.00%

Year 2045 Long-Range Transportation Plan

System-wide Model Performance Measures Comparison

Model Performance Measure	2015 Base Year Model Output Summary	2045 Existing Plus Committed Model Output Summary	Percent Annual Growth Rate
Total Number of Links	4,972	5,013	0.03%
Total Lane Miles	2,169.69	2,177.76	0.01%
Total Directional Miles	1,664.83	1,674.13	0.02%
Total Volumes All Links	26,432,032	37,146,552	1.35%
Total Vehicle Miles Traveled All Links	7,869,116	11,164,720	1.40%
Total Vehicle Hours Traveled All Links	197,326	328,140	2.21%
Original Speed (miles per hour)	40.03	40	0.00%
Congested Speed (miles per hour)	38.68	36.66	-0.17%

Year 2045 Long-Range Transportation Plan

Link-level Congestion Analysis

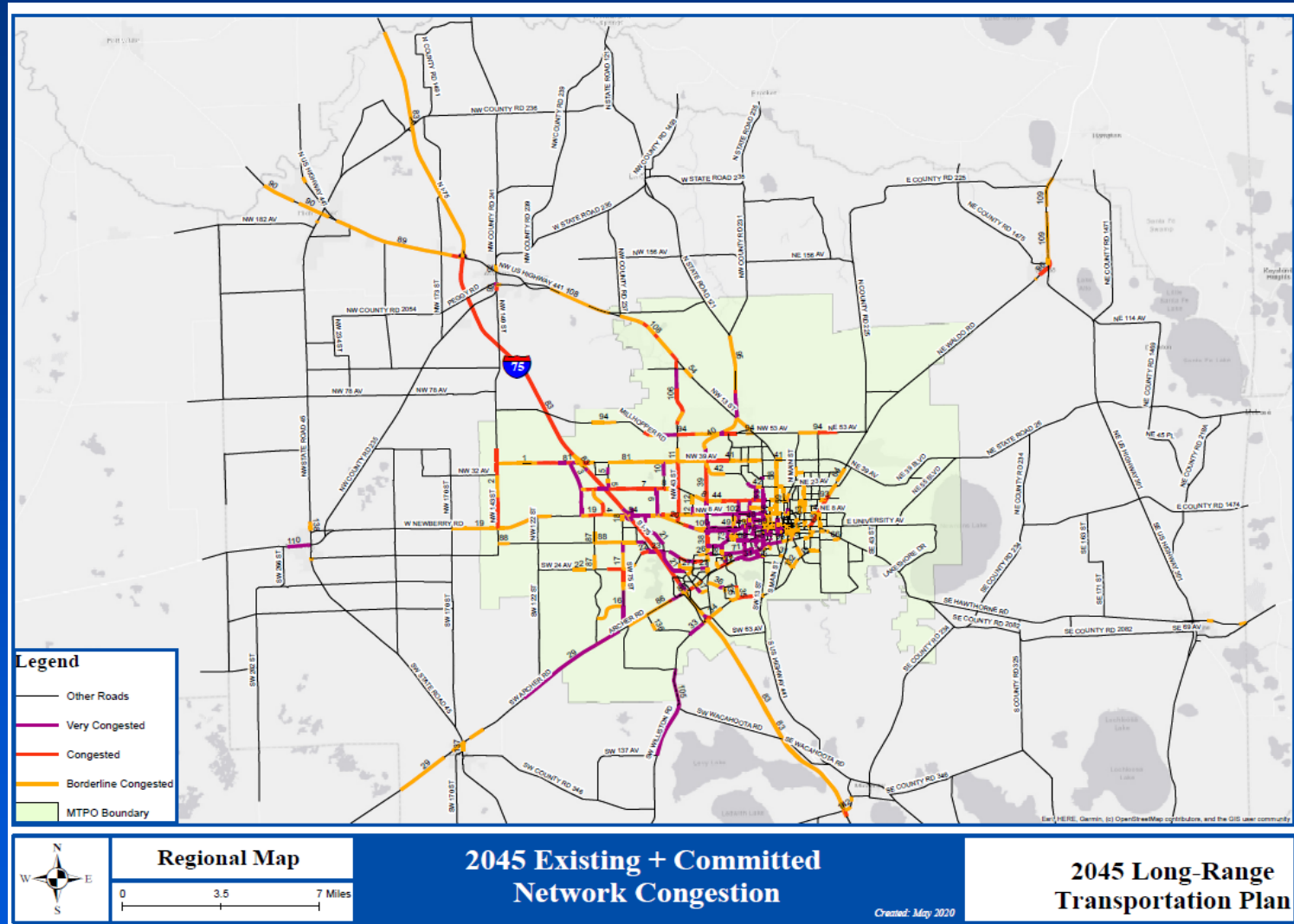
Planning-level congestion analysis was performed using the existing plus committed (E+C) network's link-level model volumes and their corresponding daily capacities.

The table below shows the assumed relationship between Volume-to-Capacity ratios and congestion levels of the model network.

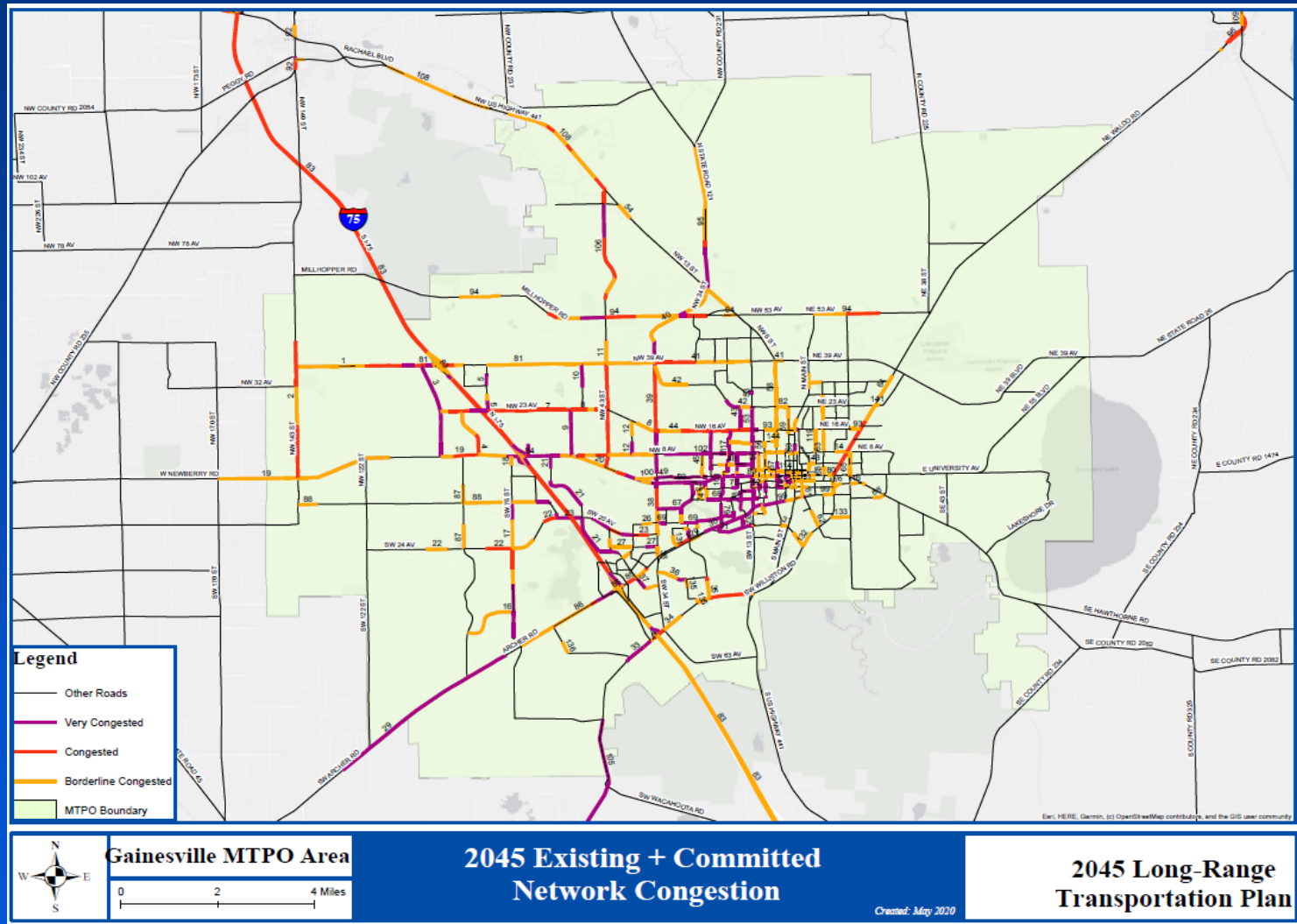
Relationship between Volume-to-Capacity Ratios and Congestion Levels

Daily Volume-to-Capacity Ratio	Congestion Level
0.9 to 1.1	Borderline Congested
1.1 to 1.3	Congested
Higher than 1.3	Very Congested

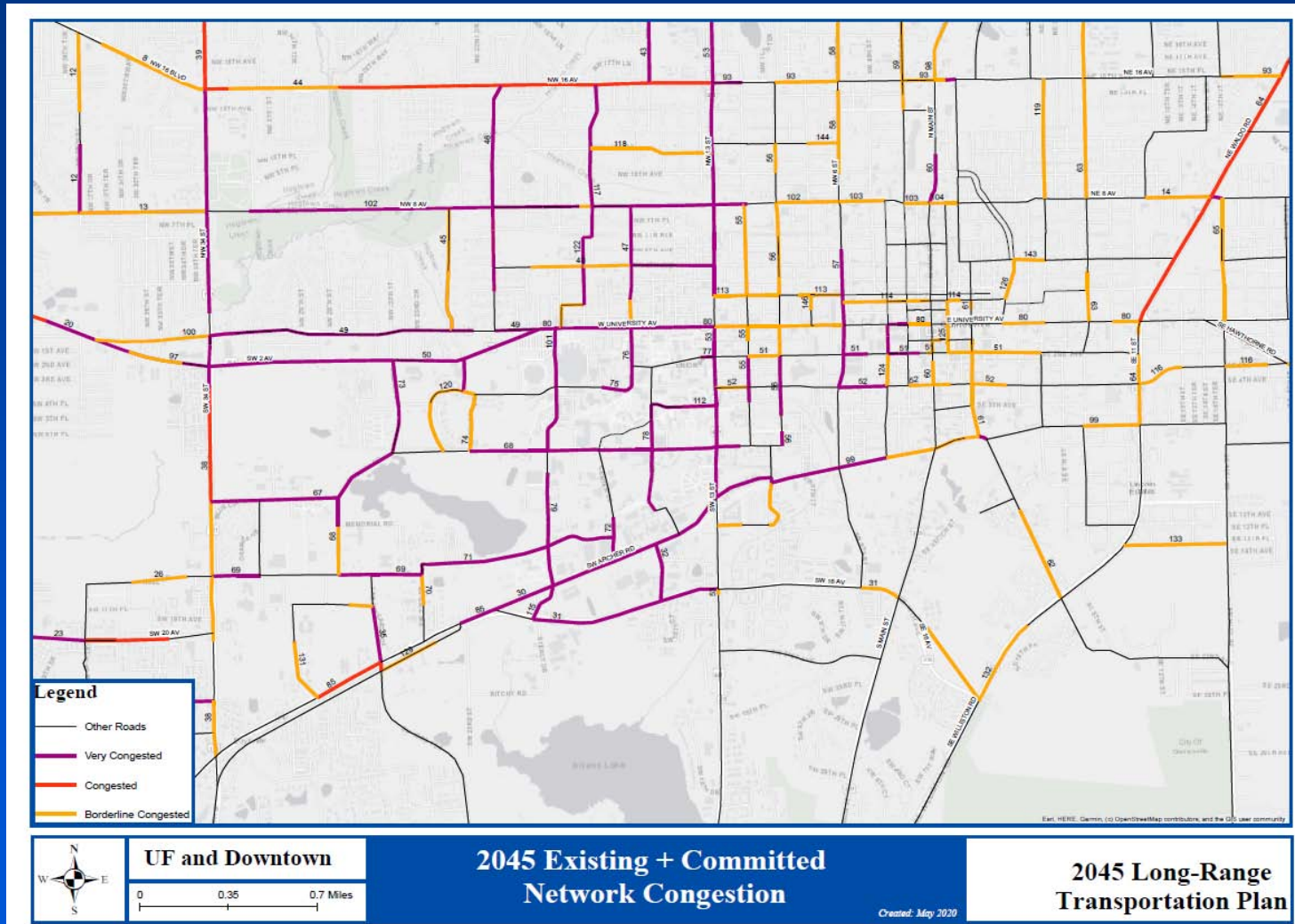
2045 Existing + Committed Network Congestion



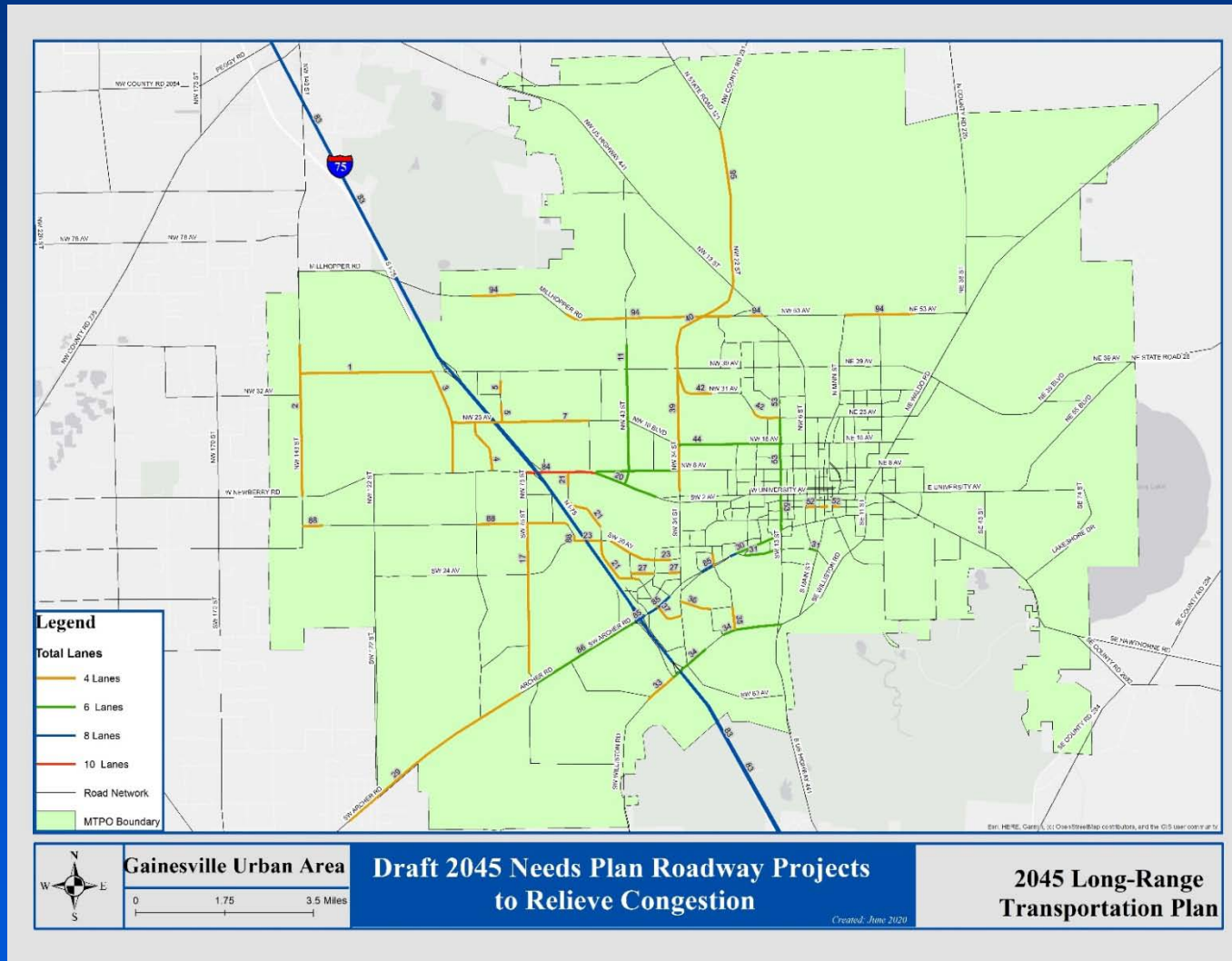
2045 Existing + Committed Network Congestion



2045 Existing + Committed Network Congestion



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Projects to Relieve Congestion



Draft Year 2045 Long-Range Transportation Needs Plan

Roadway Capacity Projects

Bicycle/Pedestrian Advisory Board, Citizens Advisory Committee
and Technical Advisory Committee Recommendations

Map ID	Facility name	From	To	Existing-Plus-Committed Lanes	Total Lanes Needed (Unconstrained)
29	Archer Road (SR 24)	SW 173rd Court	SW 75th Street (Tower Road)	2	4
86	Archer Road (SR 24)	SW 75th Street (Tower Road)	I-75	4	6
85	Archer Road (SR 24)	I-75	SW 16th Avenue	6	8
30	Archer Road (SR 24)	SW 16th Avenue	SW 13th Street	4	6
4	Ft. Clark Boulevard	Newberry Road	NW 23rd Avenue	2	4
83	I-75 (Entire corridor)	Marion Countyline/ External Station	Columbia Countyline/ External Station	6	8
13	NW 8th Avenue	Newberry Road	NW 34th Street	4	6
84	Newberry Road (SR 26)	I-75	NW 8th Avenue	6	8



Metropolitan Transportation Planning Organization
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Draft Year 2045 Long-Range Transportation Needs Plan

Roadway Capacity Projects

Map ID	Facility name	From	To	Existing-plus-Committed Lanes	Total Lanes Needed (Unconstrained)
20	Newberry Road (SR 26)	NW 8th Avenue	SW 2nd Avenue	4	6
7	NW 23rd Avenue	NW 98th Street	NW 55th Street	2	4
44	NW 16th Avenue	NW 34th Street	NW 13th Street	4	6
42	NW 23rd Boulevard	NW 22nd Street	NW 13th Street	2	4
39	NW 34th Street (SR 121)	W University Avenue	NW 31st Boulevard	2	4
40	NW 34th Street (SR 121)	NW 31st Boulevard	NW 53rd Avenue	2	4
95	NW 34th Boulevard (SR 121)	NW 53rd Avenue	NW 77 Avenue	2	4
1	NW 39th Avenue	SW 143rd Street	NW 105th Street	2	4
11	NW 43rd Street	Newberry Road	NW 13th Street (US 441)	4	6
94	NW 53rd Avenue	NW 52nd Terrace	NE 151st Street	2	4
5	NW 83rd Street	NW 23rd Avenue	NW 39th Avenue	2	4
3	NW 98th Street	Newberry Road	NW 39th Avenue	2	4
2	NW 143rd Street	Newberry Road	NW 46th Avenue	2	4

Draft Year 2045 Long-Range Transportation Needs Plan

Roadway Capacity Projects

Map ID	Facility name	From	To	Existing-plus-Committed Lanes	Total Lanes Needed (Unconstrained)
31	SW 16th Avenue (SR 226)	Shealy Drive	Main Street	4	6
23	SW 20th Avenue	SW 62nd Boulevard	SW 34th Street	2	4
35	SW 23rd Terrace	Williston Road	Hull Road	2	4
27	SW 24th Avenue	SW 43rd Street	SW 34th Street	2	4
36	SW 35th Place	SW 34th Street	SW 27th Street	2	4
37	SW 39th Boulevard	Archer Road	SW 34th Street	2	4
52	SW 4th Avenue	SW 13th Street	SE 3rd Street	2	4
21	SW 62nd Boulevard	Newberry Road	Clark Butler Boulevard	2	4
17	SW 75th Street (Tower Road)	SW 75th Court	SW 8th Avenue	2	4
88	SW 8th Avenue	SW 91st Street	SW 20th Avenue	2	4
33	Williston Road (SR 331)	SW 40th Street	SW 35th Drive	2	4
34	Williston Road (SR 121/331)	SW 35th Drive	SW 13th Street	4	6
53	NW 13th Street (US 441)	NW 16th Avenue	NW 39th Avenue	4	6



Draft Year 2045 Long-Range Transportation Needs Plan Supplemental Projects for Scenario Testing*

Facility	From/At	To	Modification
NW 83rd Street	NW 39th Avenue	SpringHills Boulevard	Two- Lane Extension
NW 91st Street	4100 Block	SpringHills Boulevard	Two- Lane Extension
NW 98th Street	NW 39th Avenue	SpringHills Boulevard	Two- Lane Extension
Radio Road	Hull Road	SW 34th Street (SR 121)	Two- Lane Extension
Hull Road	SW 20th Avenue	SW 38th Terrace	Two- Lane Extension
SpringHills Boulevard	NW 122nd Street	NW 83rd Street	New Two- Lane Roadway
SpringHills Connector	SpringHills Boulevard	Millhopper Road	New Two- Lane Roadway
Park-and-Ride	Tower Road at SW 8th Avenue	-	Construct Park-and-Ride

*Supplemental testing will also include projects from the Alachua County Comprehensive Plan that are within the Gainesville Metropolitan Area

Draft Year 2045 Long-Range Transportation Needs Plan

Alachua County Comprehensive Plan

General Purpose Lane Capacity Projects

Project Name	From	To	Project Description
NW 23rd Avenue	NW 59th Terrace	NW 83rd Street	Widen to 3 lane complete street
NW 23rd Avenue	NW 83rd Street	Ft. Clarke Boulevard	Widen to 4 lanes, including bridge over I-75 + Transit Pre-emption Provisions
NW 23rd Avenue	Ft. Clarke Boulevard	NW 98th Street	Widen to 4 lanes
NW 23rd Avenue Extension	NW 98th Street	NW 122nd Street Extension	New Construction, 2 lanes
NW 23rd Avenue Extension	NW 122nd Street	NW 143rd Street	New Construction, 2 lanes
NW 83rd Street Extension	Millhopper Road	Santa Fe Northern Boundary	New 2 lane roadway
NW 91st Street Extension	Terminus	NW 46th Avenue Extension	New Construction, 4 lanes
NW 98th Street Extension	NW 39th Avenue	NW 46th Avenue	New Construction, 4 lanes
SW 20th Avenue I-75 Bridge	SW 62nd Avenue	SW 52nd Avenue	Widen, 4 lanes with bridge over I-75
SW 91st Street / SW 73rd Avenue Extension	Archer Road	SW 88th Street	New Construction, 2 lane road
New Road South and Parallel to Archer Road	SW 63rd Boulevard	Archer Road	New Construction, 2 lanes
SW 57th Road	SW 75th Street	SW 63rd Boulevard	New Construction, 2 lanes
SW 63rd Boulevard/ SW 67th Avenue	SW 24th Avenue	Archer Road	New Construction, 2 lanes

Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects

Williston Road - Four-Lane - North of SW 40th Street



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

Williston Road - Four-Lane - South of Fred Bear Drive



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

NW 98th Street - Four-Lane - North of Newberry Road



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

NW 98th Street - Four-Lane - South of NW 39th Avenue



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

NW 83rd Street - Four-Lane - South of NW 39th Avenue



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

NW 39th Avenue - Four-Lane - East of NW 143rd Street



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

NW 39th Avenue - Four-Lane - West of NW 105th Terrace



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

NW 23rd Avenue - Four-Lane - East of NW 98th Street



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

NW 23rd Avenue - Four-Lane - West of NW 83rd Street



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

SW 20th Avenue - Four-Lane - West of SW 34th Street



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

SW 20th Avenue - Four-Lane - East of SW 62nd Boulevard



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

SW 62nd Boulevard Connector - Four-Lane - North End (Cabana Beach Apartments)



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

SW 62nd Boulevard Connector - Four-Lane - South End (Clark Butler Boulevard)



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

SW 75th Street - Four-Lane - North End 900 Block



Draft Year 2045 Long-Range Transportation Needs Plan Roadway Capacity Projects (Continued)

SW 75th Street - Four-Lane - South End 5600 Block



Draft Year 2045 Long-Range Transportation Needs Plan

Alachua County Comprehensive Plan

General Purpose Lane and Dedicated Transit Lane Capacity Projects

Project Name	From	To	Project Description
NW 83rd Street	NW 39th Avenue	NW 46th Avenue	New roadway + 2 Dedicated Transit Lanes
NW 46th Avenue	NW 83rd Street Extension	NW 91st Street Extension	New roadway + 2 Dedicated Transit Lanes
NW 46th Avenue	NW 91st Street Extension	NW 98th Street Extension	New 4 lane roadway + 2 Dedicated Transit Lanes & Bridge over I-75
NW 46th Avenue	NW 98th Street Extension	NW 115th Street Extension	New Construction, 2 lanes + Dedicated Transit Lane
NW 115th Street	NW 39th Avenue	NW 46th Avenue	New Construction, 2 lanes + Dedicated Transit Lane
NW 122nd Street/NW 115 th Street	Newberry Road	NW 39th Avenue	New Construction, 2 lanes + Dedicated Transit Lane
Archer Road	SW 75th Terrace	SW 91st Street	Widen, 4 lanes + Dedicated Transit Lane

Draft Year 2045 Long-Range Transportation Needs Plan

Alachua County Comprehensive Plan

Dedicated Transit Lane Capacity Projects

Project Name	From	To	Project Description
Ft. Clarke Boulevard	Newberry Road	NW 23rd Avenue	2 Dedicated Transit Lanes
NW 83rd Street	NW 39th Avenue	NW 23rd Street	2 Dedicated Transit Lanes
Newberry Road (SR 26)	I-75	NW 109th Drive	Dedicated Transit Lane in median + signal upgrade
Newberry Road (SR 26)	NW 109th Drive	NW 143rd Street	Dedicated Transit Lane in median + resurface & signal upgrade
SW 122nd Street	Newberry Road	SW 8th Avenue	Dedicated Transit Lane
Archer Road	SW 75th Street	SW 45th Street	Dedicated Transit Lane + signal upgrade
SW 91st Street	Archer Road	SW 46th Boulevard	Dedicated Transit Lane
SW 122nd Street	SW 37th Avenue	SW 8th Avenue	Dedicated Transit Lane
Hawthorne Road	SE 27th Street	SE 43rd Street	Dedicated Transit Lanes (Reconfigure existing roadway, add multi-use path)

Draft Year 2045 Long-Range Transportation Needs Plan

Metropolitan Transportation Planning Organization

Policy Limited Capacity

Map ID	Facility Name	From	To	Existing-plus-Committed Lanes	Total Lanes Needed/ Policy-Limited (Unconstrained)
86	Archer Road (SR 24)	SW 75th Street (Tower Road)	I-75	4	6/4
85	Archer Road (SR 24)	I-75	SW 16th Avenue	6	8/6
30	Archer Road (SR 24)	SW 16th Avenue	SW 13th Street	4	6/4
13	NW 8th Avenue	Newberry Road	NW 34th Street	4	6/4
84	Newberry Road (SR 26)	I-75	NW 8th Avenue	6	8/6
20	Newberry Road (SR 26)	NW 8th Avenue	SW 2nd Avenue	4	6/4
44	NW 16th Avenue	NW 34th Street	NW 13th Street	4	6/4
11	NW 43rd Street	Newberry Road	NW 13th Street (US 441)	4	6/4
31	SW 16th Avenue (SR 226)	Shealy Drive	Main Street	4	6/4
34	Williston Road (SR 121/331)	SW 35th Drive	SW 13th Street	4	6/4
53	NW 13th Street (US 441)	NW 16th Avenue	NW 39th Avenue	4	6/4

Draft Year 2045 Long-Range Transportation Needs Plan

Bicycle and Pedestrian Projects

Alachua Countywide Bicycle-Pedestrian Master Plan

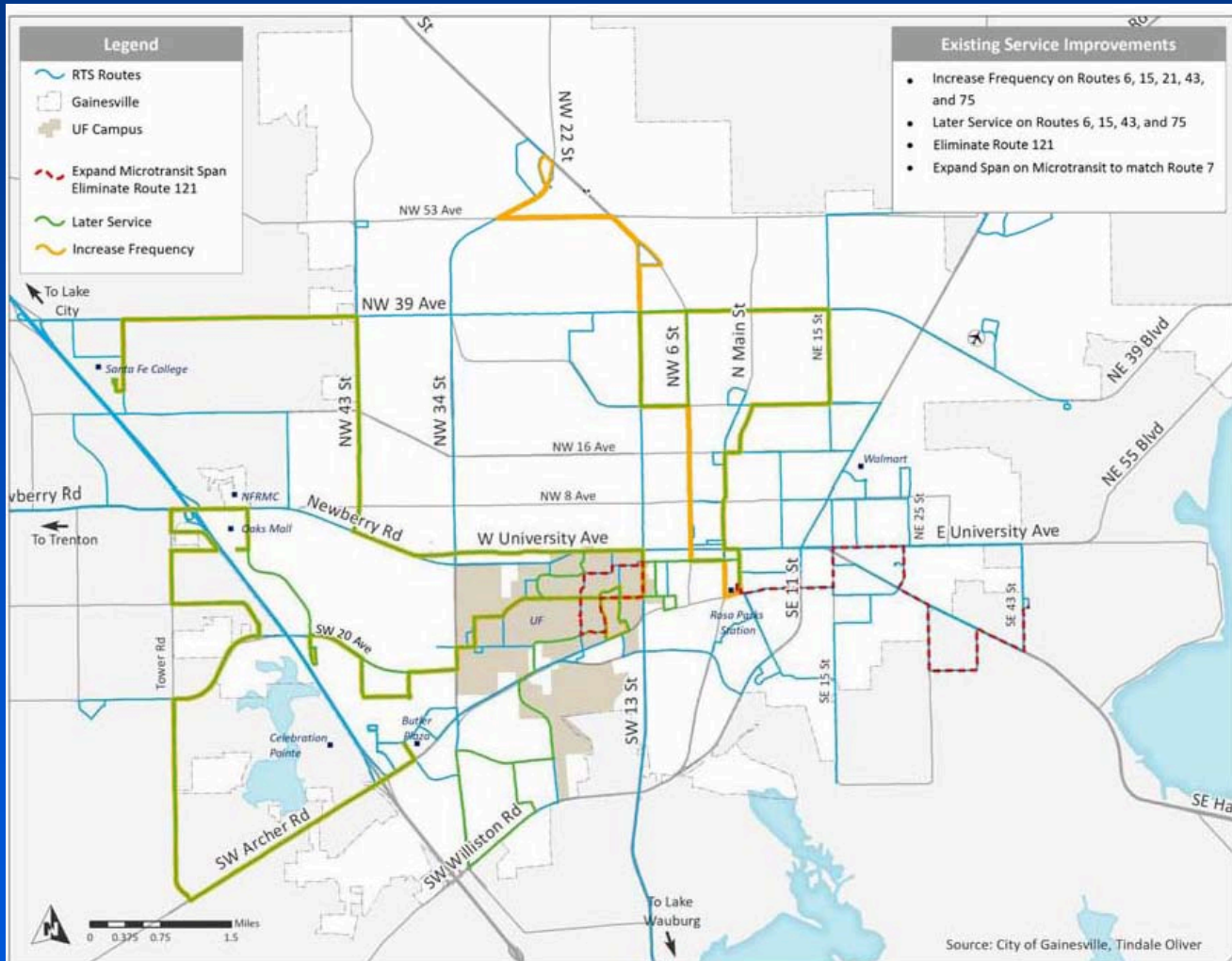
- Updated list of bicycle and pedestrian facility “box-funded” projects within the Gainesville Metropolitan Area to be included in the Year 2045 Long-Range Transportation Plan Federal Transportation Alternatives Program “Box Funds” are to be developed in the upcoming Alachua Countywide Bicycle-Pedestrian Master Plan.
- Alachua County, City of Gainesville and University of Florida are jointly funding this planning effort that is anticipated to begin later this year.
- Alachua Countywide Bicycle-Pedestrian Master Plan will be an Update of the 2001 Alachua Countywide Bicycle Master Plan; and initial countywide pedestrian facility planning document.



Draft Year 2045 Long-Range Transportation Needs Plan

Transit Projects

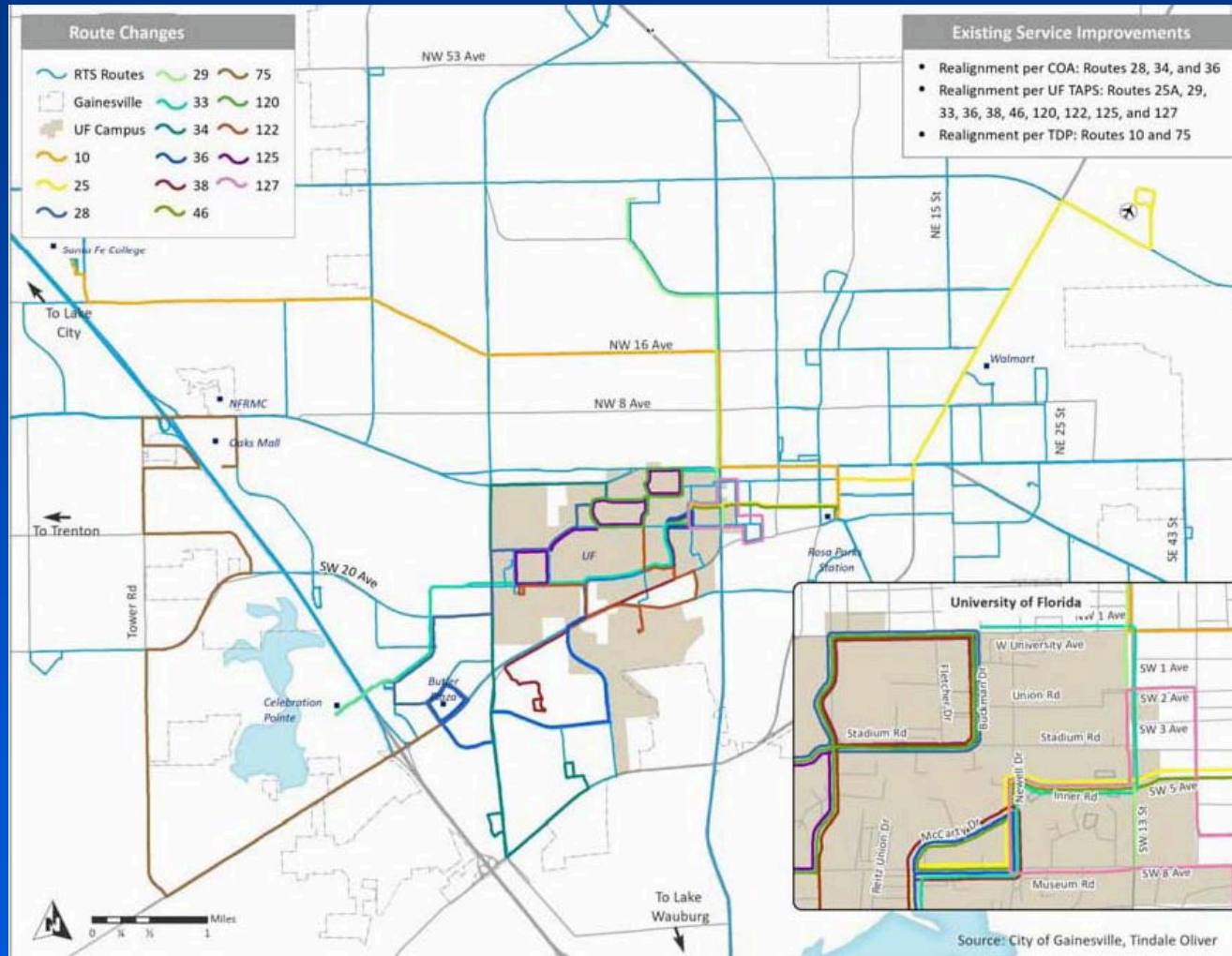
Regional Transit System Transit Development Plan



Draft Year 2045 Long-Range Transportation Needs Plan

Transit Projects

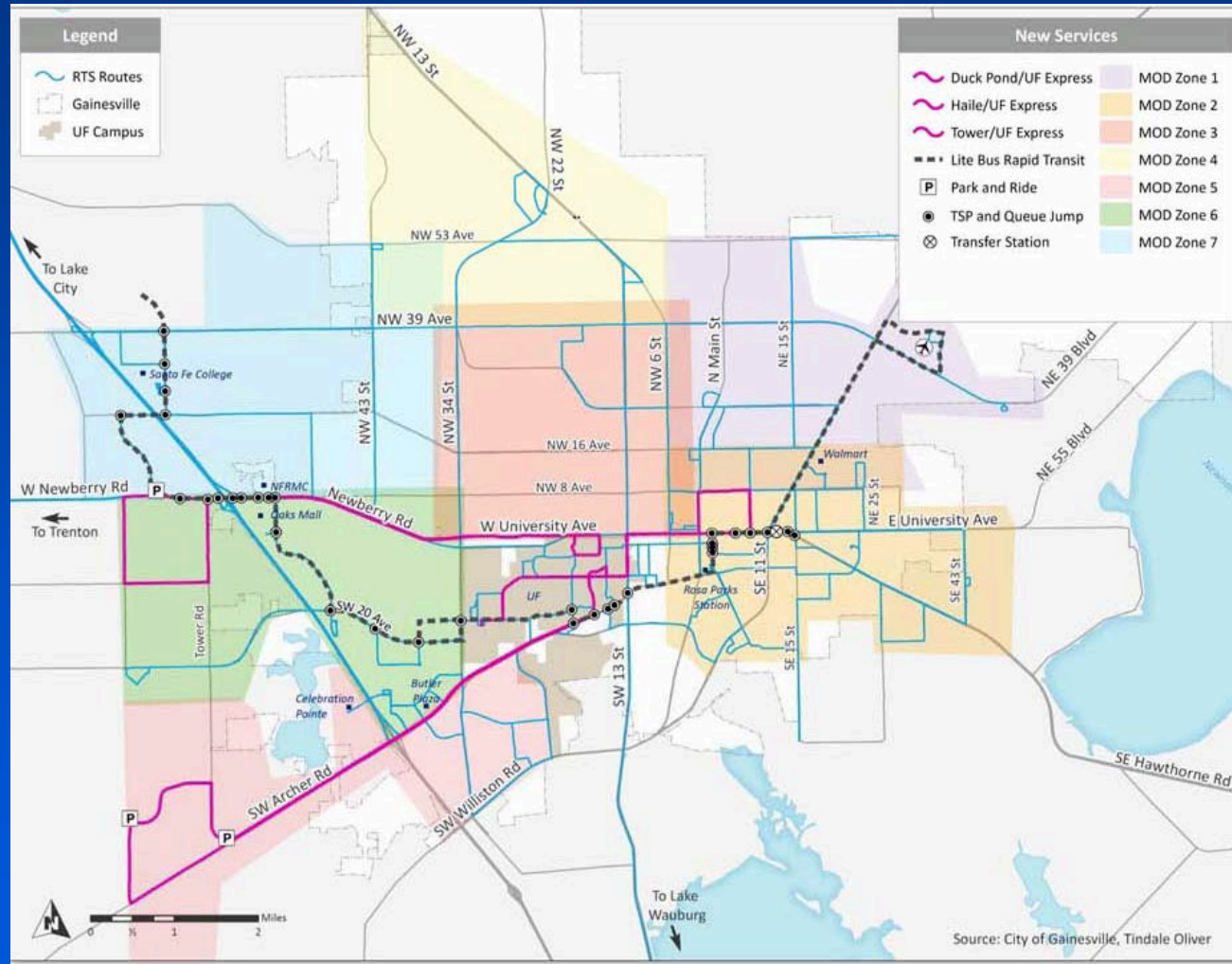
Regional Transit System Transit Development Plan (Continued)



Draft Year 2045 Long-Range Transportation Needs Plan

Transit Projects

Regional Transit System Transit Development Plan (Continued)



Draft Year 2045 Long-Range Transportation Needs Plan Public Hearing

•Open Public Hearing

Public Comment Access Information

Audio/Video - Cox Channel 12, Facebook and the
Alachua County Video on Demand Website [link below]

<https://alachuacounty.us/Pages/AlachuaCounty.aspx>

Audio-only - call 301.715.8592, and when prompted use code 670 965 3024

•Public Comment Period

•Close Public Hearing



Metropolitan Transportation Planning Organization
for the Gainesville Urbanized Area

Year 2045 Long-Range Transportation Needs Plan Adoption

- **Metropolitan Transportation Planning Organization - Adoption Motion**
- **Metropolitan Transportation Planning Organization - Member Discussion and Questions**
- **Public Comment on Adoption Motion - Public Comment Access Information**

Audio/Video - Cox Channel 12, Facebook and the Alachua County Video on Demand Website [link below]

<https://alachuacounty.us/Pages/AlachuaCounty.aspx>

Audio-only - call 301.715.8592, and when prompted use code 670 965 3024

- **Roll-Call Vote to Adopt Year 2045 Transportation Needs Plan**



Metropolitan Transportation Planning Organization
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Year 2045 Long-Range Transportation Plan

Next Steps/Tasks

- Evaluate Future Transportation Alternatives Scenarios
- Prepare Draft Cost Feasible Plan



Year 2045 Long-Range Transportation Plan Next Steps/Schedule

- Community Workshop #3 - July 7, 2020
Transportation Cost Feasible Plan Discussion
- Metropolitan Transportation Planning Organization - August 24, 2020
Transportation Cost Feasible Plan Public Hearing and Adoption



Year 2045 Long-Range Transportation Plan

Contact Information

Michael Escalante
Senior Planner

Metropolitan Transportation Planning Organization
for the Gainesville Urbanized Area

352.955.2200, ext. 114
escalante@ncfrpc.org



Metropolitan Transportation Planning Organization
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Year 2045 Long-Range Transportation Plan Public Comments

The Metropolitan Transportation Planning Organization for the Gainesville Urbanized Area encourages public participation, including participation from freight shippers and public transit providers, in the Year 2045 Long-Range Transportation Plan update process.

Please provide written comments via the following Survey Monkey link:

<https://www.surveymonkey.com/r/Gainesville2045LRTP>

The Survey Monkey link opened for public comment on May 12, 2020 for the Year 2045 Long-Range Transportation Plan Workshop #1. The Survey Monkey link will remain active up to the adoption of the Year 2045 Long-Range Transportation Plan Cost Feasible Plan on August 24, 2020.

