



# Draft 2045 Long Range Transportation Plan Update

MPO Policy Board & Advisory  
Committees Presentation  
November 16 and 18, 2021

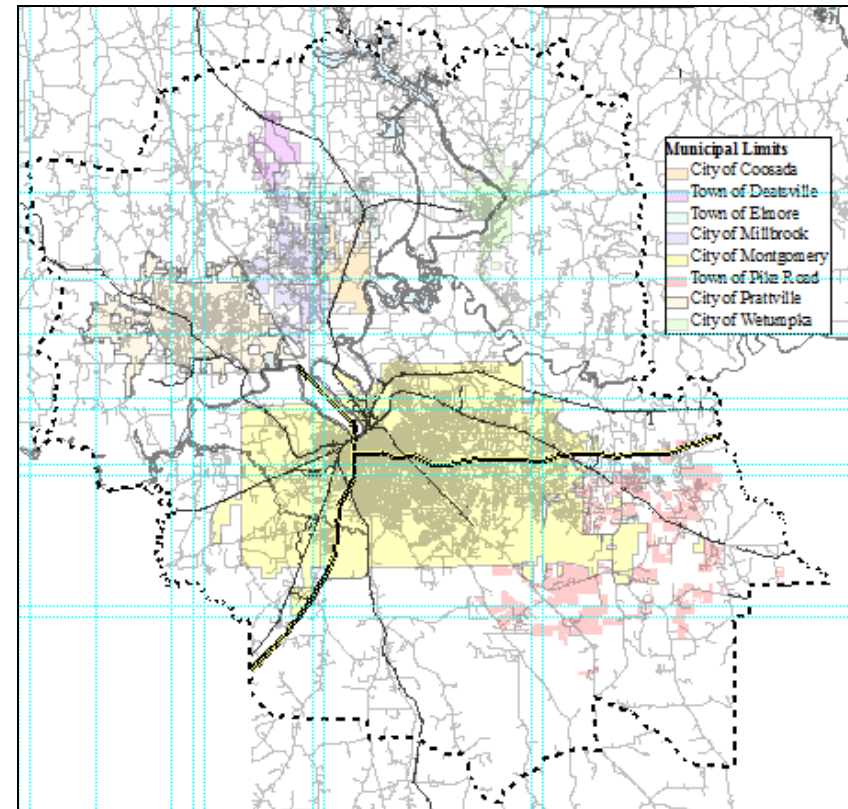
# Today's Agenda

- LRTP Purpose and Goals
- Community Outreach
- Funding Trends
- Project Evaluation Results
- Next Steps



# Montgomery MPO

- Responsible for transportation planning in the Montgomery Transportation Study Area
- Study area jurisdictions:
  - Portions of Autauga, Elmore and Montgomery counties
  - Town of Coosada, Town of Deatsville, Town of Elmore, City of Millbrook, City of Montgomery, Town of Pike Road, and City of Prattville



# Purpose of the LRTP

- Identify existing and future transportation needs through 2045 based on existing projected regional growth
- Prioritize multimodal projects and strategies to meet the needs
- Relate improvements to anticipated funding availability
- Required for projects to be funded through federal and state plans/programs

# L RTP Goals

Existing L RTP Goals	Related Emphasis Area(s)
Optimize the efficiency, effectiveness, connectivity, safety, and security of the transportation system	<ul style="list-style-type: none"> <li>• Safety</li> <li>• Congestion Reduction</li> <li>• System Reliability</li> </ul>
Promote state of good repair and prioritize maintenance needs	<ul style="list-style-type: none"> <li>• Infrastructure Condition</li> </ul>
Develop a financially feasible multimodal transportation system to support expansion of the regional economy	<ul style="list-style-type: none"> <li>• Freight Movement and Economic Vitality</li> <li>• Reduce Project Delivery Delays</li> </ul>
Provide viable travel choices to improve accessibility and mobility, sustain environmental quality, and preserve community values	<ul style="list-style-type: none"> <li>• Environmental Sustainability (Natural)</li> <li>• Environmental Justice</li> </ul>
Coordinate the transportation system with existing and future land use and planned development	<ul style="list-style-type: none"> <li>• Project Coordination and Public Involvement</li> </ul>
Increase jurisdictional coordination and citizen participation in the transportation planning process to enhance all regional travel opportunities	<ul style="list-style-type: none"> <li>• Project Coordination and Public Involvement</li> </ul>
Develop, maintain, and preserve a balanced multimodal transportation system that provides for safe, integrated, and convenient movement of people and goods	<ul style="list-style-type: none"> <li>• Multimodal Transportation</li> <li>• Environmental Justice</li> </ul>

# Community Outreach & Input

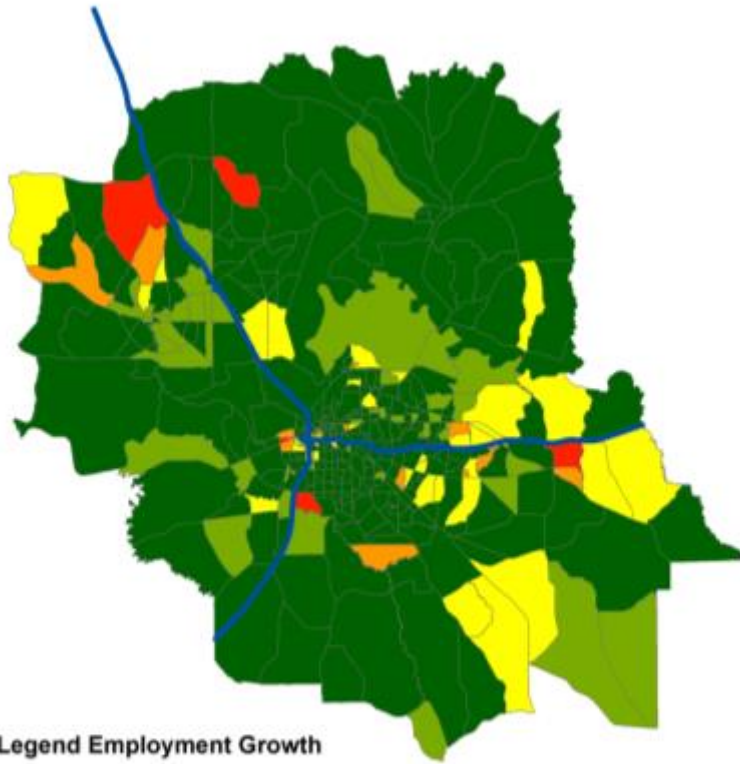
- General Public
  - Online survey
  - Information posted on MPO and other websites
  - Facebook activity
- MPO Policy Board & Committees
  - MPO Policy Board
  - Technical Advisory Committee (TAC)
  - Citizen's Advisory Committee (CAC)

# Estimated Costs & Funding

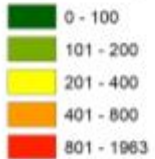
- ALDOT has balanced emphasis on Maintenance and Operations (M&O) and Capacity
- ~\$143 million in federal funds for capacity projects, \$209 million for M&O, \$143 million MPO Dedicated funds through 2045
- ~\$124 million in local matching funds required, total federal and local funding \$619 million
- ~\$10.4 million (\$415,413 annually) in federal TAP funding for bicycle/pedestrian improvements

# Regional Growth

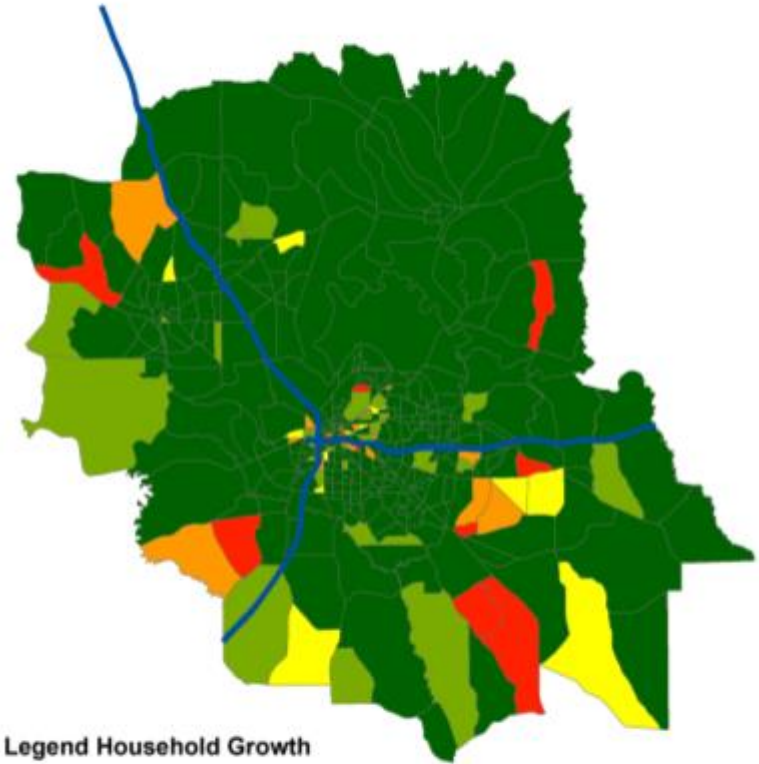
Employment Growth Forecasted  
between 2015 and 2045



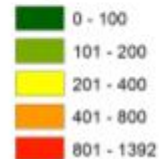
Legend Employment Growth



Household Growth Forecasted  
between 2015 and 2045



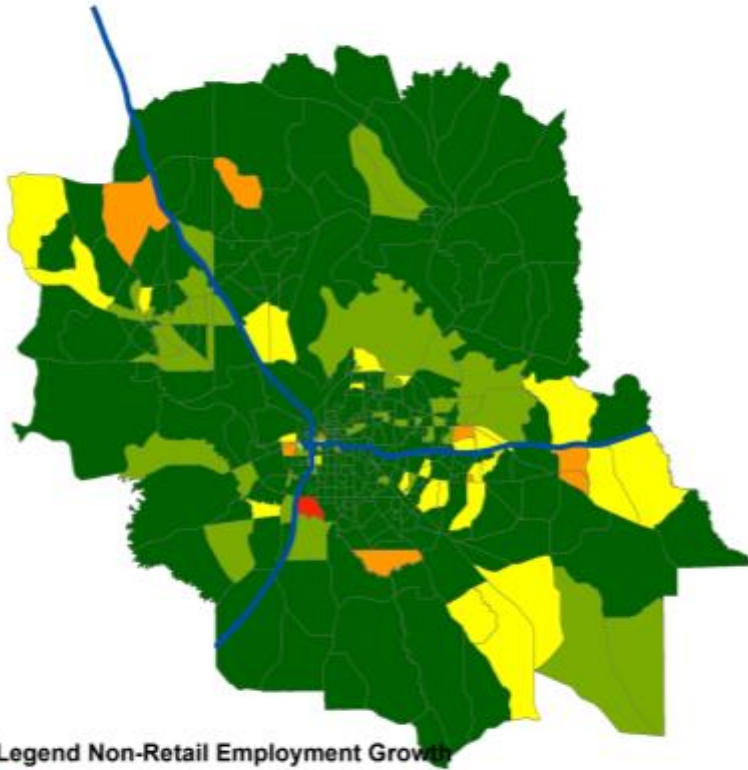
Legend Household Growth



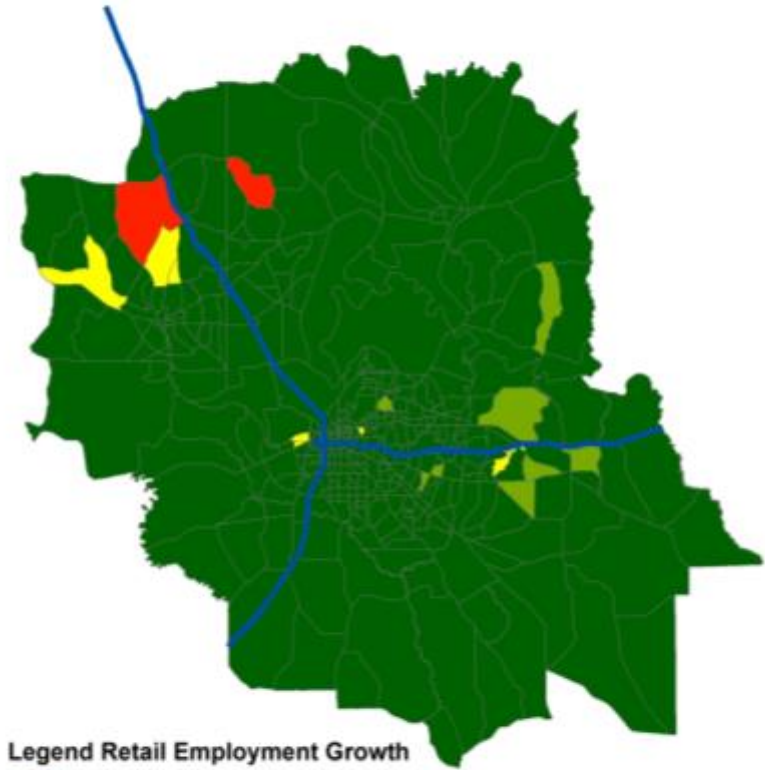


# Employment Growth Detail

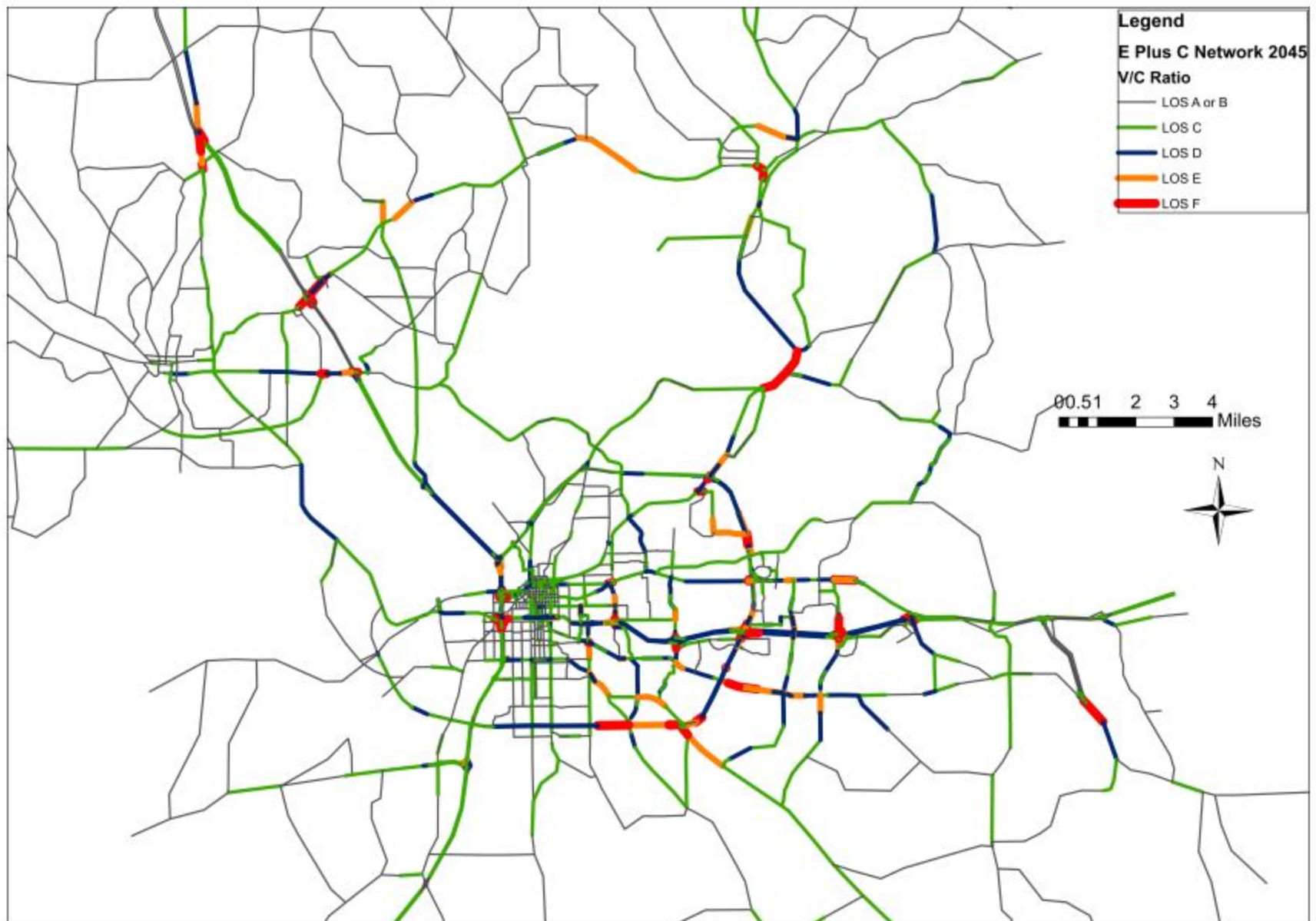
Non-Retail Employment Growth Forecasted  
between 2015 and 2045



Retail Employment Growth Forecasted  
between 2015 and 2045



## Montgomery 2045 E+C Network Level of Service



# Financially Constrained Plan

- Project cost estimates are not yet complete
- Average cost per mile of widening arterial streets(adding 2 or 3 lanes) is about \$8.5 million
- Interstate widening estimated at \$20 to \$30 million
- If “Capacity” funding and “MPO Dedicated” funding is focused on widening/capacity projects, about **42 miles** of widening is possible through 2045
- This figure may change up or down slightly when project cost estimates are completed

# New Corridors in 2045 Vision Plan

- Millbrook Connector: Deatsville Highway (CR-7) to SR-14
- Elmore County/Millbrook Connector: New Roadway from Deatsville Highway (CR 7) to I-65 plus new interchange
- Wetumpka Bypass: New Roadway/Bridge connecting SR-14/Coosa River Parkway to Ft. Toulouse Road
- Prattville Northern Bypass: Fairview Avenue to US 31
- Wares Ferry Road Interchange on I-85 and Wares Ferry Road Connector Road
- Eastchase Interchange on I-85, with and without Wares Ferry Road Interchange on I-85 and Wares Ferry Road Connector Road
- Montgomery South Outer Loop

# Project Benefits of New Corridors

- Millbrook Connector: *reduces congestion on Deatsville Highway*
- Elmore County/Millbrook Connector: *doesn't eliminate need to 6-lane SR 14*
- Wetumpka Bypass: *reduces congestion on Main and West Bridge Streets*
- Prattville Northern Bypass: *doesn't eliminate need to 4-lane US 31 north to I-65*
- Wares Ferry Road Interchange/Connector Road: *doesn't eliminate need to 6-lane Atlanta Hwy at I-65*
- Eastchase Interchange on I-85: *doesn't eliminate need to 6-lane Taylor Rd at I-65*
- Montgomery South Outer Loop: *while it doesn't eliminate need to 6-lane remaining 4-lane segments of existing Inner Loop, it reduces traffic on many corridors proposed for widening in the Vision Plan*

# Project Benefits of New Corridors (cont'd)

- Highest-ranking new corridors in the “Vision Plan” list are the Wetumpka Bypass, Wares Ferry Connector, and Eastchase Interchange
- Wetumpka Bypass
  - High-cost project
  - Requires a major river crossing
- Eastchase, Wares Ferry Rd Interchanges
  - High-cost projects
  - Requires an FHWA approved Interchange Modification Report

# Prioritization of Roadway Improvements

- Capacity projects
  - Evaluation of needs factors: V/C ratio, freight, transit
  - Severity of congestion and delays
  - Constructability: potential environmental impacts, topography, river crossings, regulatory
- Intersection improvements and access management
  - Areas where adding through lanes is not essential to flow
  - Physical and/or environmental constraints to widening
  - TCC and MPO coordination/input
- Bridge, resurfacing, and railroad crossings
  - ALDOT coordination with local governments



# Multimodal Project Ranking System

- Volume to Capacity Ratio (V/C) (0 to 3 points)
- Reduction in congested speed (0 to 2 points)
- Freight corridor (0 to 2 points)
- Commuter route (0 to 1 point)
- Transit fixed route (0 to 1 point)
- Bicycle and pedestrian are proposed in the regional bike/ped plan (0 to 1 point)



# Roadway Projects—Capacity

- 56 capacity projects
  - 27 fiscally constrained projects at ~\$108.4 million
  - 29 visionary projects at ~\$535.3 million
- Outer Loop: continue to search for funding
- Significant projects proposed for funding:
  - Complete 4-laning of US 82 from SR 14 to US 31 in Prattville (\$18.9 million)
  - Widen Atlanta Highway to 6-lanes from Perry Hill Rd to Eastdale Mall (\$18.8 million)
  - Widen US-231 (Wetumpka Hwy) to 6-lanes from CP 74 to Jasmine Hill Road (\$10.5 million)

# Roadway Projects—MO

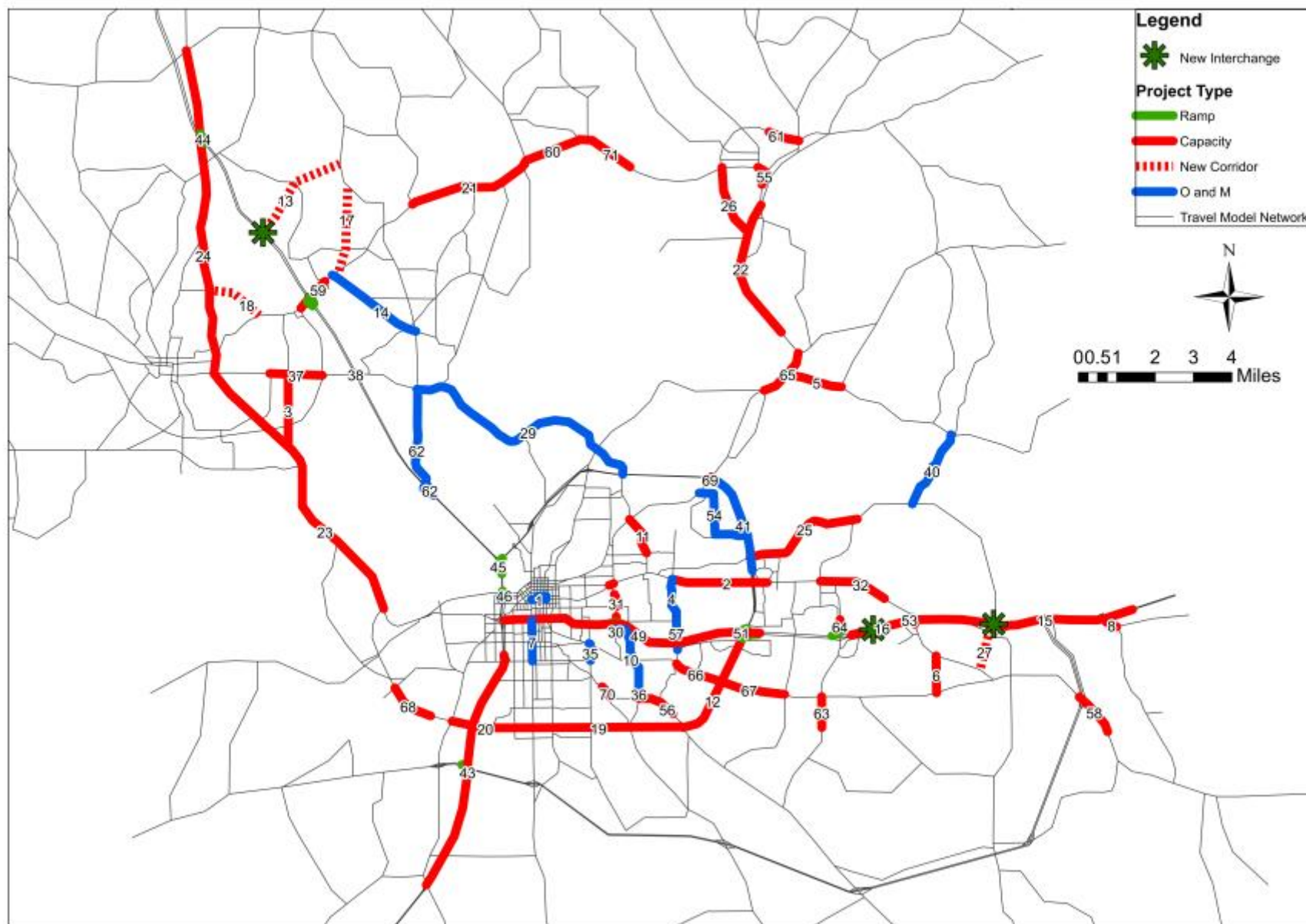
- 151 MO projects

- 15 are identified as high priorities based on congestion and safety issues in corridors that are not practical candidates for capacity expansion within the LRTP horizon
- 78 fiscally constrained projects at ~\$191.2 million
- 58 visionary projects at ~\$158.8 million

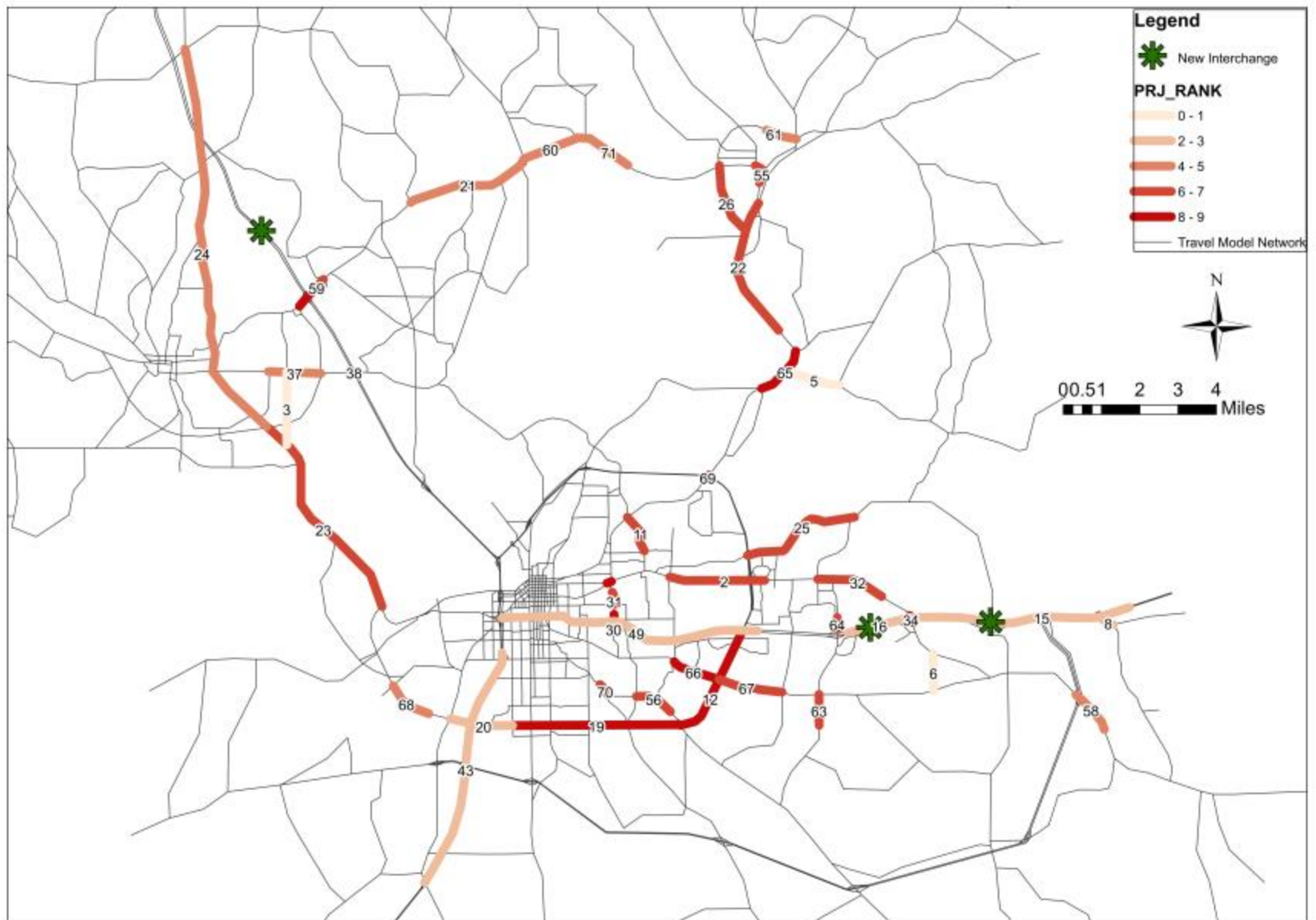
- Significant projects:

- Carter Hill Road intersection improvements
- Perry Hill Road intersection improvements
- Replace Day St bridge in Montgomery (\$10.3 million)

## Montgomery 2045 LRTP -- All Projects



## Montgomery 2045 LRTP -- Capacity Projects by Rank

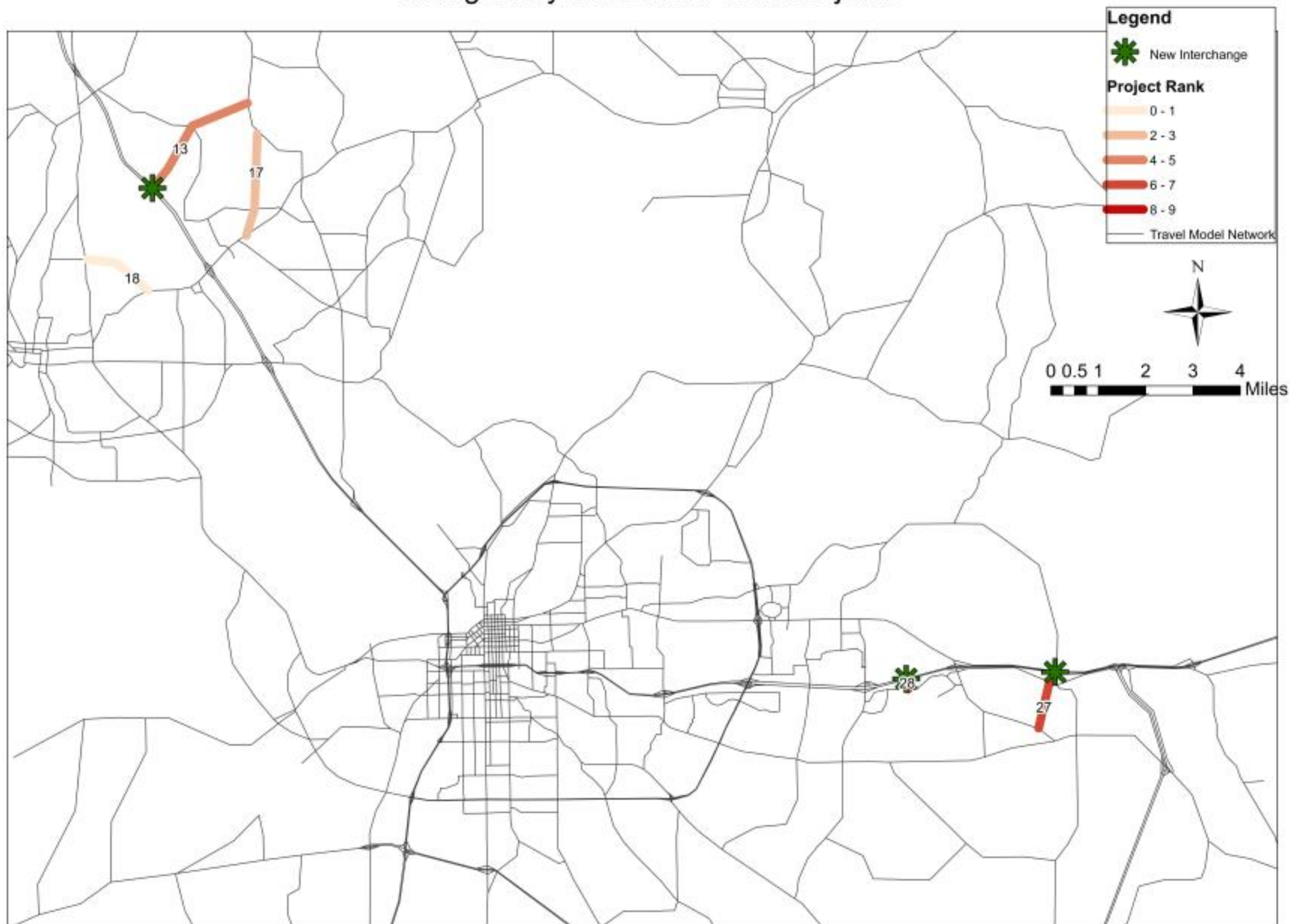


## Montgomery 2045 LRTP O&M Projects by Rank

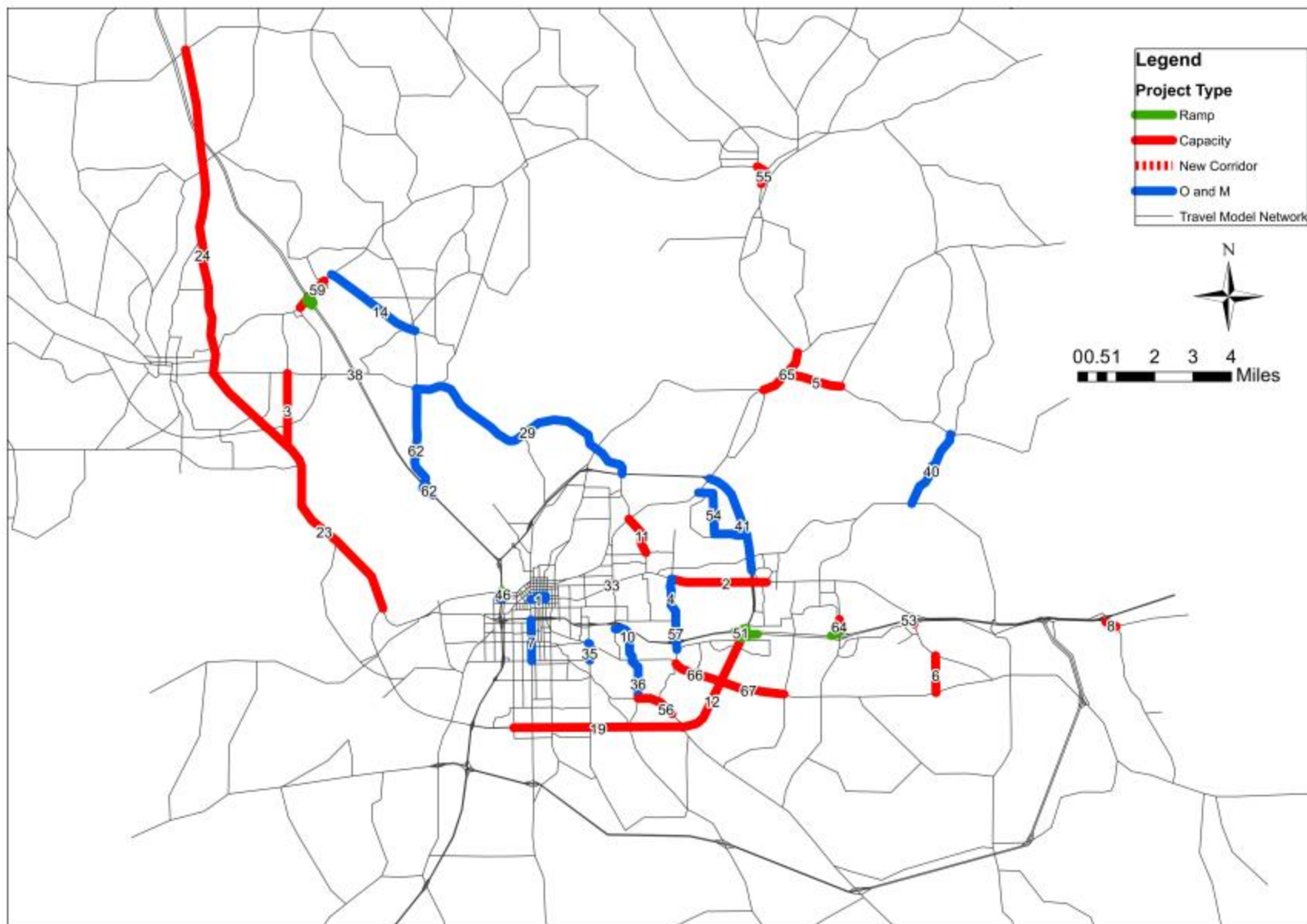




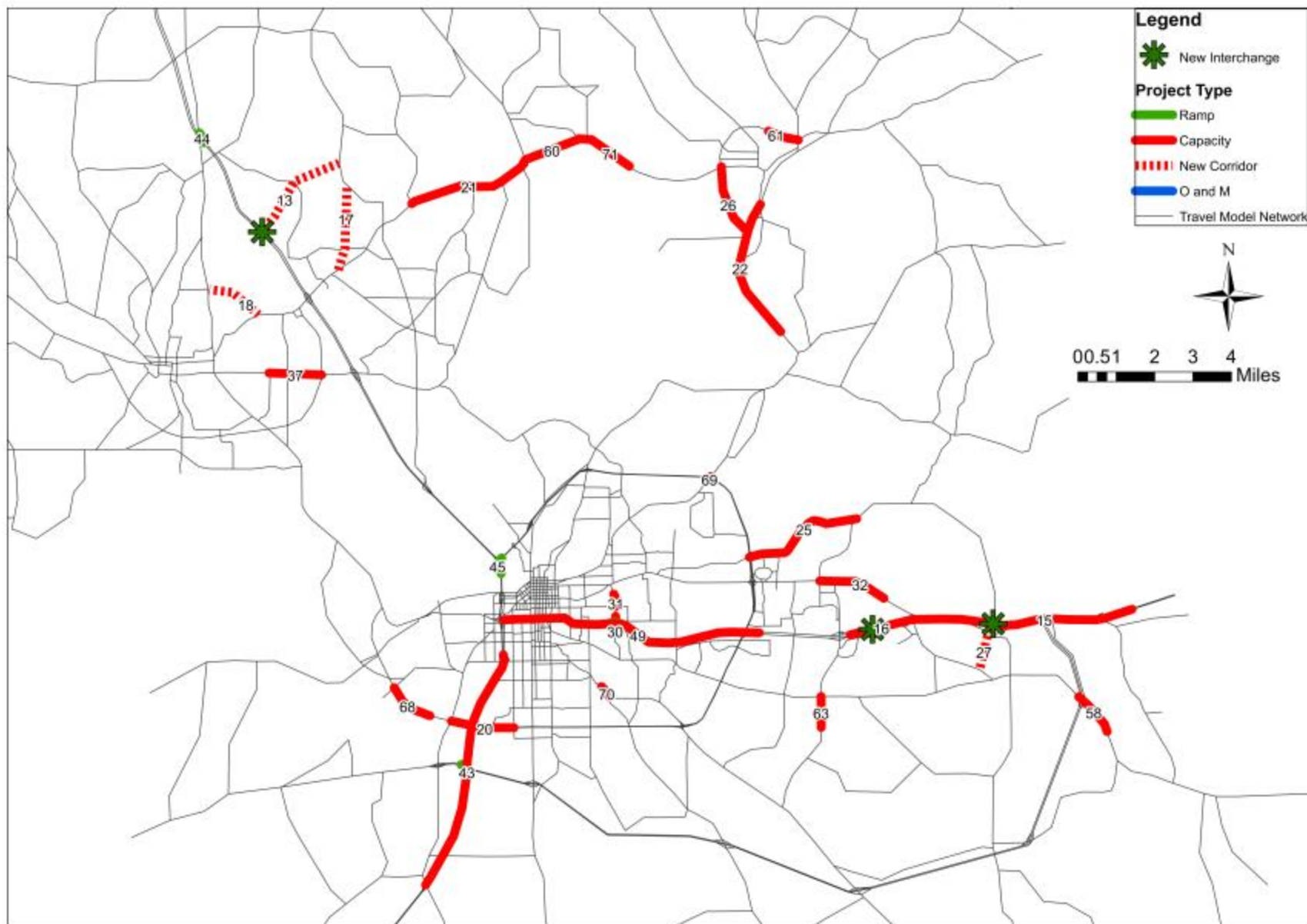
## Montgomery 2045 LRTP New Projects



## Montgomery 2045 LRTP -- DRAFT Financially Constrained Projects



## Montgomery 2045 LRTP -- DRAFT Visionary Projects





# Preliminary Financially Constrained Project List

DRAFT v8 Nov2

2045 Highway Project Evaluation				
Project #	Road Name	Location and Termini	Project Type	Source
1	Adams Avenue	Decatur St to South Court St	O&M	2040 FC Plan
2	Atlanta Highway	Perry Hill Rd to Eastdale Mall	Capacity	2040 FC Plan
3	McQueen Smith Road	SR 3/US 31 to Cobbs Ford Rd	Capacity	2040 FC Plan
4	Perry Hill Rd	Harrison Rd to Atlanta Hwy	O&M	2040 FC Plan
5	Redland Rd	US 231 to Rifle Range Rd	Capacity	2040 FC Plan
6	Ryan Road	Vaughn Rd to Chantilly Pkwy	Capacity	2040 FC Plan
7	S. Court Street	Fairview to Arba St	O&M	2040 FC Plan
8	US-80	Waugh Intersection to Marler Rd	Capacity	2040 FC Plan
9	Washington Avenue	Decatur St to Lawrence St	O&M	2040 FC Plan
10	Zelda Road	Ann St to Carter Hill Rd	O&M	2040 FC Plan
33	Atlanta Highway	Ann Street to Federal Dr	Capacity	2045 Model Identified
35	Carter Hill Road	Mulberry Street to Narrow Lane/Narrow Lane to Fairview	O&M	2045 Model Identified
41	Eastern Boulevard	N of Shirley Ln to Wetumpka Highway	O&M	2045 Model Identified
42	Fairview Ave (was SR-14) in Prattville	Old Farm Lane to east side of I-65	Capacity	2040 Model Identified
57	Perry Hill Rd	Carmichael Rd to Sunset Dr	O&M	2045 Model Identified
12	Eastern Boulevard	US 231 to I-85	Capacity	2040 Vision Plan
19	South Boulevard	US 231 S to Rosa Parks Ave	Capacity	2040 Vision Plan
30	Ann Street	I-85 to Poplar St	Capacity	2045 Model Identified
34	Atlanta Highway	Boyd Cooper Pkwy to I-85 northside ramps	Capacity	2045 Model Identified
47	I-65 Ramp Improvements	Ramps at SR 14 southside	Capacity	2045 Model Identified
52	I-85 Ramp Improvements	Taylor road I-85 WB on ramp	Capacity	2045 Model Identified
53	I-85 Ramp Improvements	Atlanta Highway to I-85 WB on ramp	Capacity	2045 Model Identified
65	US-231 (Wetumpka Hwy)	CR 74 to Jasmine Hill Road	Capacity	2040 Model Identified
66	Vaughn Road	Perry Hill Road to Eastern Blvd	Capacity	2045 Model Identified
38	Cobbs Ford Road	Between I-65 ramps	Capacity	2045 Model Identified
46	I-65 Ramp Improvements	Ramps at Clay St NB entry	Capacity	2045 Model Identified
51	I-85 Ramp Improvements	East Boulevard on ramps	Capacity	2045 Model Identified
54	Lagoon Park Dr from	Midpark Rd; Gunter Park Dr from Gunter Park Dr W to SR-9	O&M	2045 Model Identified
55	Main Street and West Bridge Streets	South Boundary St to North Bridge St	Capacity	2045 Model Identified
56	McGehee Road	Carter Hill Road to Governors Drive	Capacity	2045 Model Identified
59	SR-14	east side of I-65 to Kelley Blvd	Capacity	2045 Model Identified
64	Taylor Road	I-85 to East Dr	Capacity	2045 Model Identified
67	Vaughn Road	Eastern Blvd to Bell Road	Capacity	2045 Model Identified
11	Coliseum Boulevard	Federal Drive to Bltmore Ave	Capacity	2040 Vision Plan
23	US-31	US 82 to West Blvd	Capacity	2040 Vision Plan
24	US-31	CR 40 to SR 14	Capacity	2040 Vision Plan

# Preliminary Vision Projects List

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2045 Highway Project Evaluation					
Project #	Road Name	Location and Termini	Project Type	Source	Miles
26	Wetumpka Bypass	SR-14/Coosa River Pkwy to Fort Toulouse Rd	Capacity	2040 Vision Plan	1.9
27	Wares Ferry Connector Road	Chantilly Pkwy to I-85/Wares Ferry Rd	Capacity	2040 Vision Plan	1.3
28	Eastchase Interchange on I-85	I-85, between Taylor Rd and Atlanta Hwy	Capacity	2040 Vision Plan	0.3
31	Ann Street	Highland Ave to Greenville St	Capacity	2045 Model Identified	0.4
32	Atlanta Highway	McLemore Drive to Seminole Drive	Capacity	2040 Model Identified	2.5
44	I-85 Ramp Improvements	Ramps at US 31 southside (Autauga Co)	Capacity	2045 Model Identified	0.8
50	I-85 Ramp Improvements	Ann Street on ramps and WB off ramp	Capacity	2045 Model Identified	0.9
63	Taylor Road	Chadburn Crossing to Vaughn Road	Capacity	2045 Model Identified	0.9
68	Wetumpka Hwy	between ramps to/from North and East Blvd	Capacity	2045 Model Identified	0.2
70	Woodley	McGehee Road to Allendale Rd	Capacity	2045 Model Identified	0.4
13	Elmore County/Millbrook Connector	CR 7 (Deatsville Hwy) to new interchange, I-85 between Exits 181 186	Capacity	2040 Vision Plan	2.8
22	US-231	River Oaks Dr (South of Wetumpka) to Near CR 200 (Blue Ridge Rd)	Capacity	2040 Vision Plan	3.8
25	Wares Ferry Road	East Blvd to McLemore Rd	Capacity	2040 Vision Plan	3.3
36	Carter Hill Road	Vaughn Road to McGehee Road	O&M	2040 Model Identified	1.1
37	Cobbs Ford Road	Old Farm Lane to Sheila Boulevard	Capacity	2045 Model Identified	1.4
39	Dickerson/Holt Streets	Between Clay and Herron Streets	O&M	2045 Model Identified	0.2
45	I-85 Ramp Improvements	Ramps at North Blvd southside	Capacity	2045 Model Identified	0.8
48	I-85 Ramp Improvements	Ramps at US 80 SB exiting	Capacity	2045 Model Identified	0.3
58	SR 110 from	Outer Loop to Milly Branch Rd	Capacity	2045 Model Identified	1.3
68	West Boulevard	Hayneville road to Southeast of Estate Ave	Capacity	2040 Model Identified	1.3
21	SR-14	Ingram to Cook Rd (Coosada Pkwy)	Capacity	2040 Vision Plan	2.5
60	SR-14	west of Lucky Town Rd to McCain Rd	Capacity	2045 Model Identified	2.3
61	SR-14	Wetumpka Sports Complex to US 231	Capacity	2045 Model Identified	0.8
62	SR-143	I-85 to Alabama River Parkway	O&M	2040 Model Identified	3.0
71	SR 14	Fitzpatrick to McCain	Capacity	2046 Model Identified	1.5
17	Millbrook Connector	Deatsville Hwy (CR 7) at Ross Road to SR 14 at Kinsley Lane	Capacity	2040 Vision Plan	2.2
20	South Boulevard	Rosa Parks Ave to US 31	Capacity	2040 Vision Plan	1.7
29	Alabama River Parkway	SR-143 from North Boulevard	O&M	2040 Model Identified	6.8
40	Dozier Road	Wares Ferry Road to Rifle Range Road	O&M	2040 Model Identified	2.2
15	I-85	Jenkins Creek to 0.7 miles east of SR 126	Capacity	2040 Vision Plan	5.0
16	I-85	0.4 miles East of SR 271 to Jenkins Creek	Capacity	2040 Vision Plan	2.5
43	I-85	US31 to North of Fairview Avenue	Capacity	2045 Model Identified	6.5
49	I-85	Downtown Interchange through US 231 Interchange	Capacity	2045 Model Identified	7.0
14	Grandview Road	SR 14 to SR 143	O&M	2040 Vision Plan	2.7
18	Prattville Northern Bypass	Fairview Ave @ Sweetwater Apts to US 31	Capacity	2040 Vision Plan	1.5

# Freight

- Prioritize improvements on high truck volume corridors
  - Widen US 82 in Prattville, Atlanta Hwy, US 31 north of West Blvd
  - Widening and Operational Improvements to East Blvd/US 231/SR 8 at I-85 interchange
- Rail crossings
  - No current improvements identified in the work program
  - Continue improvements through ALDOT Section 130 program



# Bicycle & Pedestrian

## ■ Projects

- Bicycle: Priority 1, Priority 2, Priority 3, & Long Range Projects
- Pedestrians: Priority 1, Priority 2, Priority 3, & Long Range Projects

## ■ The two strategies for constructing bicycle and pedestrian facilities

- Concurrently with planned roadway improvements
- Stand-alone projects utilizing allocated TAP funds



# Transit

- \$108.2 million (\$4,329,202 annually) in federal funding through the year 2040
- Most improvements involve fleet replacement
- Rehabilitation of transfer center planned for 2020

# Next Steps

- Review by ALDOT and FHWA staff
- MPO meeting
- Public meeting and comment period on Draft
- Final revisions per comments received from MPO, committees, ALDOT, FHWA and public
- MPO adoption of LRTP August or September