



Atlanta ↔ Athens

Connectivity & Mobility

***Joint Steering Committee
Stakeholder Meeting
April 1, 2013***



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Introductions

- **Project Management Team**
 - Kaycee Mertz , GDOT Project Manager
 - Patti Schropp , Atkins ,Consultant Team Project Manager
 - Jamie Cochran, Consultant Team
 - Leah Vaughan, Consultant Team
 - David Pickworth, Consultant Team
 - Grady Smith, Consultant Team
 - Andrew Heath, GDOT
 - Tom McQueen, GDOT
- **Steering Committee**
 - MPOs and RCs
 - State and Federal agencies
- **Stakeholder Committee**
 - Counties, Cities, CIDs, and transit agencies



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Agenda and Project Overview

Kaycee Mertz – GDOT Project Manager

Agenda



Joint Committee Meeting

- **Welcome & Introductions**
- **Project Overview**
 - ✓ Study Purpose & Goals
 - ✓ Recap of Previous Stakeholder Meetings
 - ✓ Current Tasks
- **Future Conditions for Study Area**
 - ✓ Population & Land Use
 - ✓ Travel Demand Analysis
- **Future Conditions for Major Corridors**
- **Break-out Sessions**
 - ✓ Overview of Potential Improvement Strategies for Testing
 - ✓ Brief Summary of Break-out Sessions
- **Next Steps**



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PROJECT PURPOSE AND GOALS



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Project Purpose

Provide a robust technical evaluation to identify needed short-, medium-, and long-term transportation investments and strategies for managing transportation connectivity and mobility in the Atlanta to Athens study area.



Project Goals

Georgia Goals

Study Goals

Improve the movement of people and goods and expand Georgia's role as a logistics hub

1. Strengthen connections and mobility between activity centers, educational centers, freight centers, job centers, etc.

Protect the public's safety

2. Improve safety for all users

Improve intergovernmental coordination for successful infrastructure development. Create jobs and grow businesses.

3. Promote economic development by strengthening the relationships between transportation and land use plans and policies

4. Coordinate A2A Study with agencies, local governments, stakeholders, and the public



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PROGRESS OF ACTIVITIES & RECAP OF PREVIOUS MEETINGS



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Schedule Overview

TASK NUMBER	Task Description	2011				2012												2013											
		SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT			
1.0	Project Management	[Red bar]																											
2.0	Public Involvement	[Red bar]																											
3.0	Data Compilation	[Red bar]																											
4.0	Study Area Transportation Network	[Red bar]																											
5.0	Existing Conditions Evaluation						★1																						
6.0	Future Needs Evaluation												★2																
7.0	Identification and Evaluation of Alternatives																											★3	
8.0	Recommendations																											★4	
																												★5	

- ★1 Kick-Off Steering Committee Meeting – Feb 2012
- ★2 Review of Existing Conditions – August 2012
- ★3 Future Conditions – Spring 2013
- ★4 Improvement Strategies – Summer 2013
- ★5 Recommendations – Late Summer 2013

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RECAP OF PREVIOUS STAKEHOLDER MEETINGS

- Project Purpose and Goals
- Results from Stakeholder Interviews
- Technical Approach
- Existing Conditions
- Major Travel Corridors/Case Study Areas



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Recap of Previous Meetings

Unique Component of Technical Evaluation:

- Will perform three levels of analyses to identify potential needs and solutions
 - Evaluate study area conditions (*macroscopic*)
 - Evaluate corridor-level conditions and travel patterns (*mesoscopic*)
 - Perform detailed analysis of eight case study areas (*microscopic*)

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Purpose of Major Travel Corridors

- Focus on routes used for regional travel
- More detailed analysis at corridor-level
- We will use your input to test Improvement Strategies on these corridors



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Major Travel Corridors

- **Selected corridors used for regional travel:**
 - Longest average trip lengths, truck volumes, commuter trips
 - Presence of activity centers or emerging development areas identified by stakeholders
 - Identified by stakeholders as an important travel corridor
 - Total Vehicle Miles Traveled (VMT) from District to District (using regional travel demand model)



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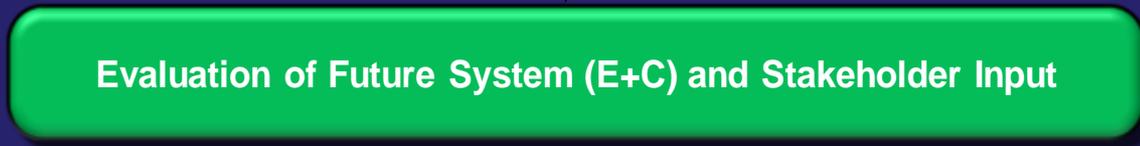
Completed Activities

- Stakeholder Interviews
- Collection and Review of Prior Studies and Plans
- Analysis of Existing Conditions
- Travel Demand Model
- Identified the Major Corridors
- Identified Candidate Case Study Areas
- Collected Traffic Information in Case Study Areas
- Analysis of Future Existing & Committed Conditions
- Development of Potential Strategies for Testing of Improvement Strategy #1

TODAY WE
NEED YOUR
INPUT ON
THIS TOPIC

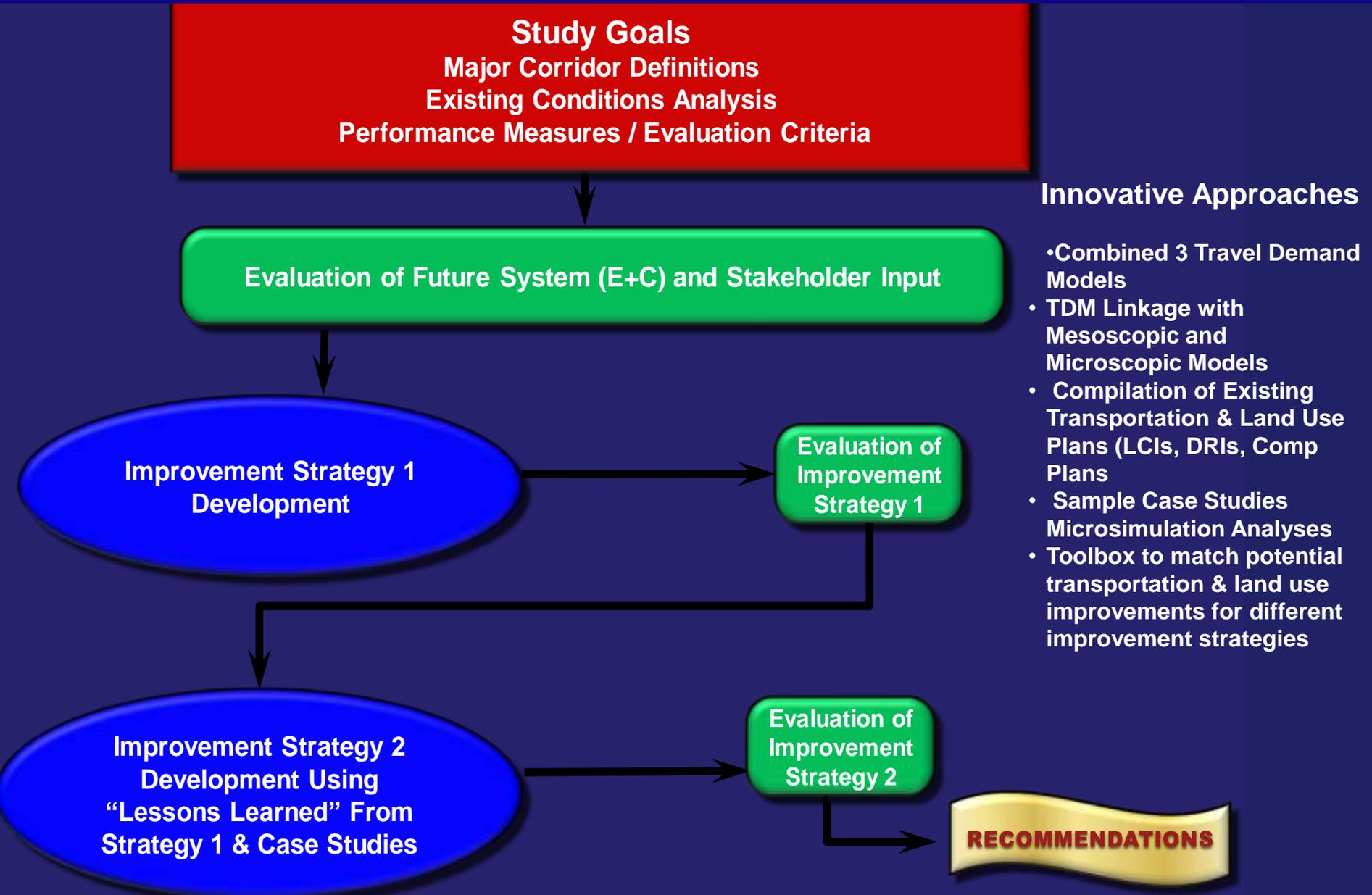


Improvement Strategy Development and Evaluation Process



Innovative Approaches

- Combined 3 Travel Demand Models
- TDM Linkage with Mesoscopic and Microscopic Models
- Compilation of Existing Transportation & Land Use Plans (LCIs, DRIs, Comp Plans)
- Sample Case Studies
- Microsimulation Analyses
- Toolbox to match potential transportation & land use improvements for different improvement strategies





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ASSESSMENT OF FUTURE CONDITIONS FOR STUDY AREA

Patti Schropp – Consultant Project Manager



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Assessment of Future Conditions For Study Area

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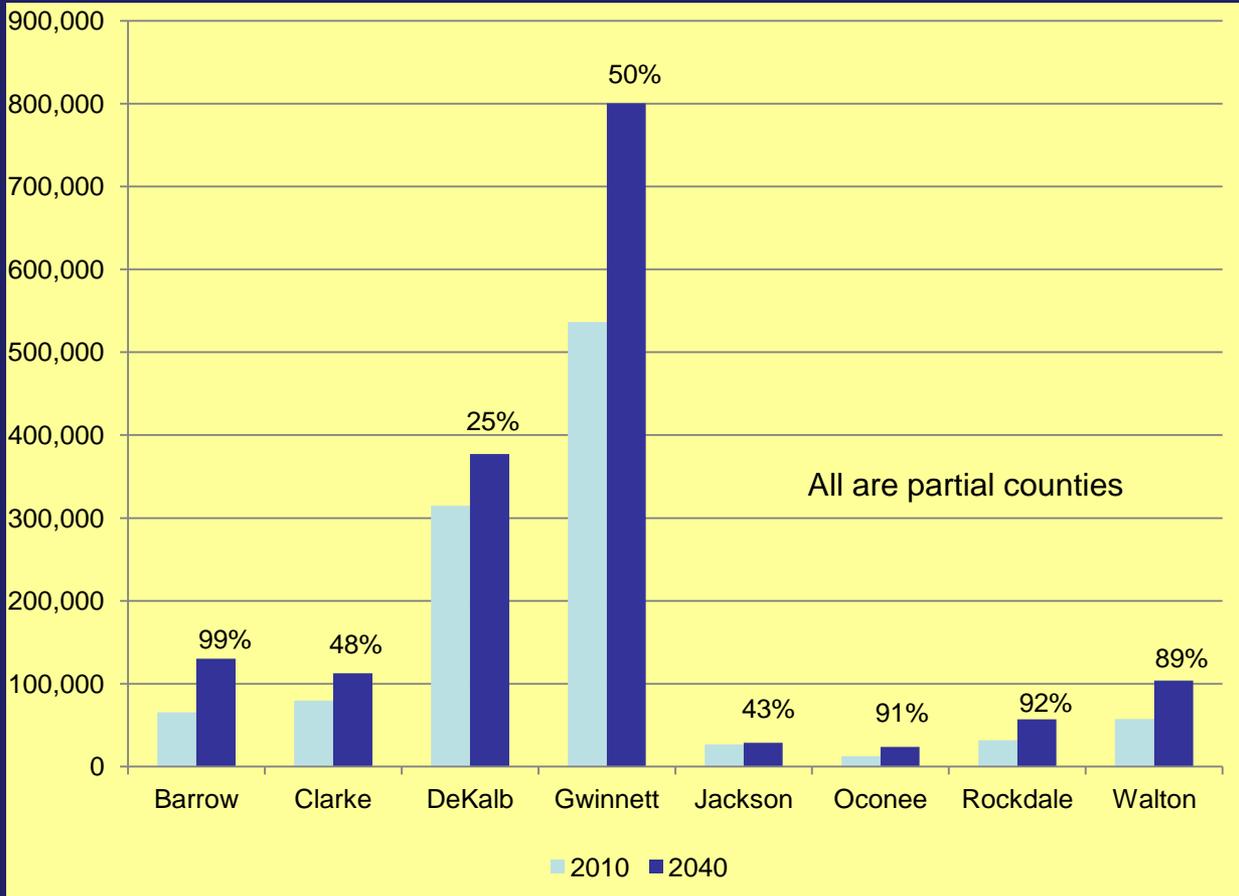
- **Socio-Economic Data**
- **Land Use**
- **Transportation**



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Change in Population



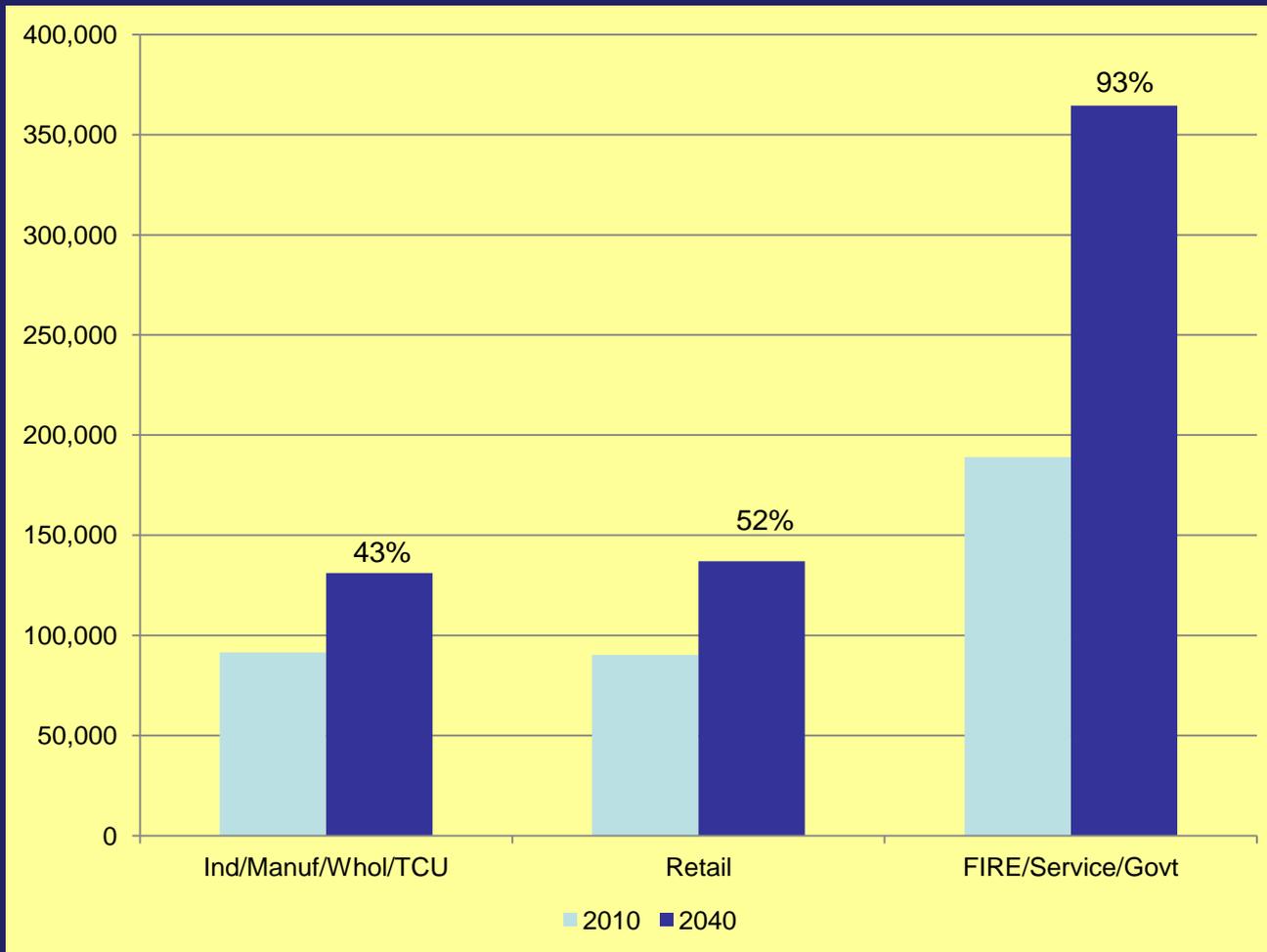
Source: ARC, MACORTS, Jackson County

*Total Population of Study Area Increases
from 1.13 to 1.67 Million*



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Changes in Employment



Source: ARC, 2010 DOL, Athens-Clarke

*Total Employment in Study Area Increases
from 371,000 to 633,000*

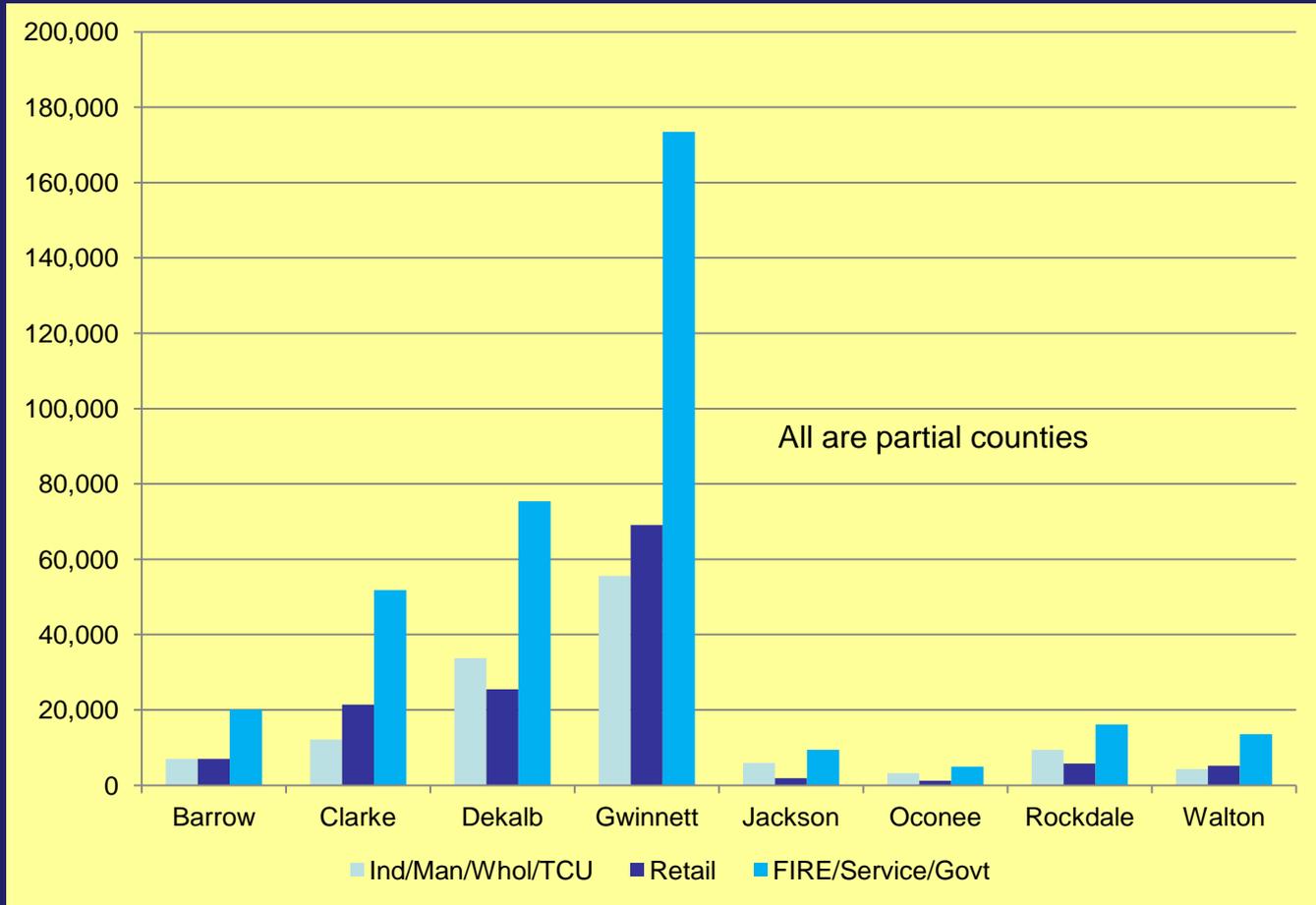
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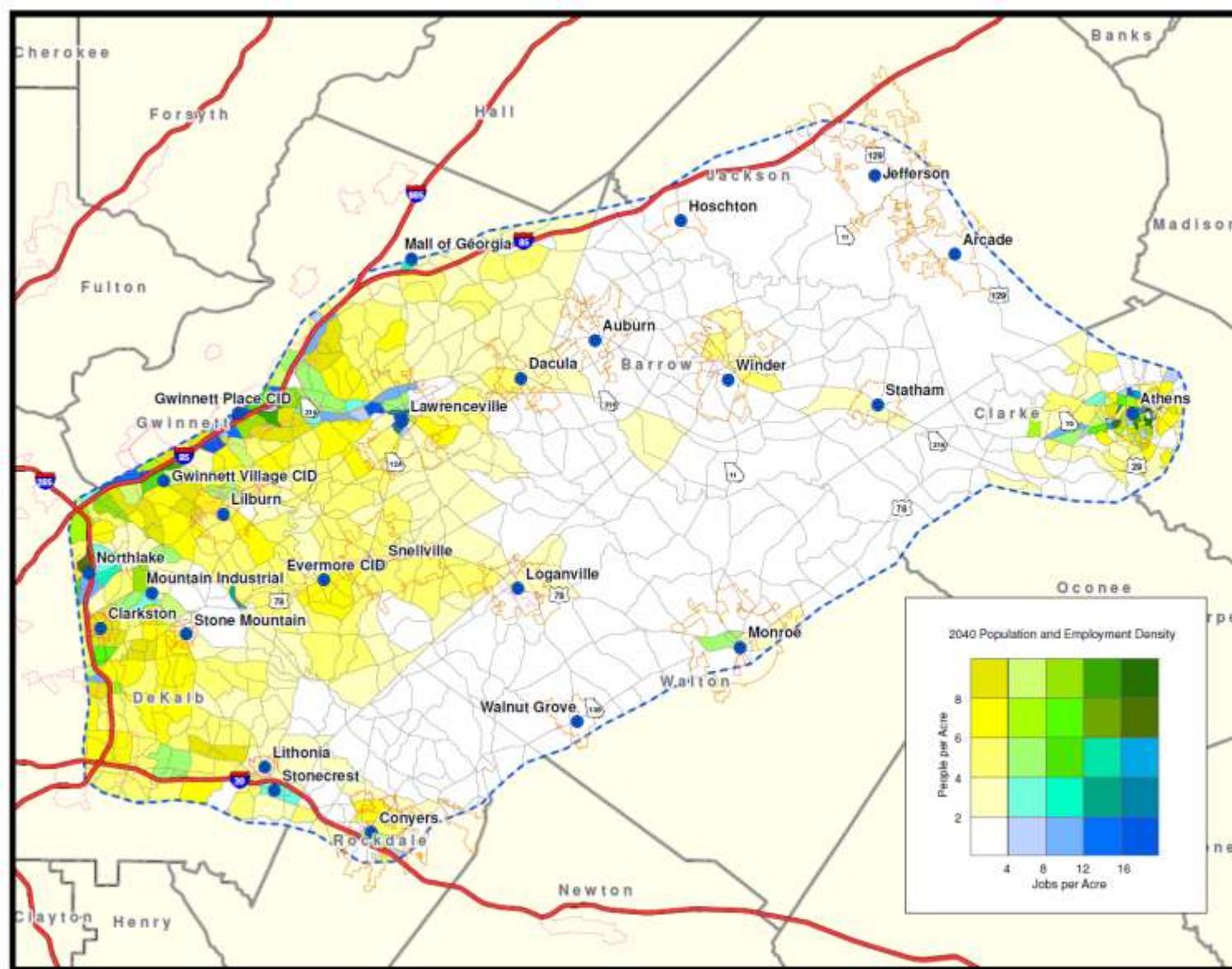
2040 Employment by Type

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Source: ARC, 2010 DOL, Athens-Clarke

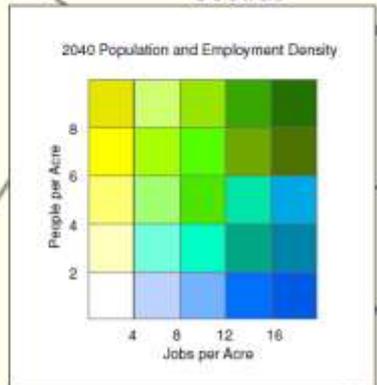
*FIRE/Service/Govt Sector Jobs Increases
by 176,000*



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- Activity Centers
- Expressways
- LCI Area
- City Boundary
- Study Area
- County

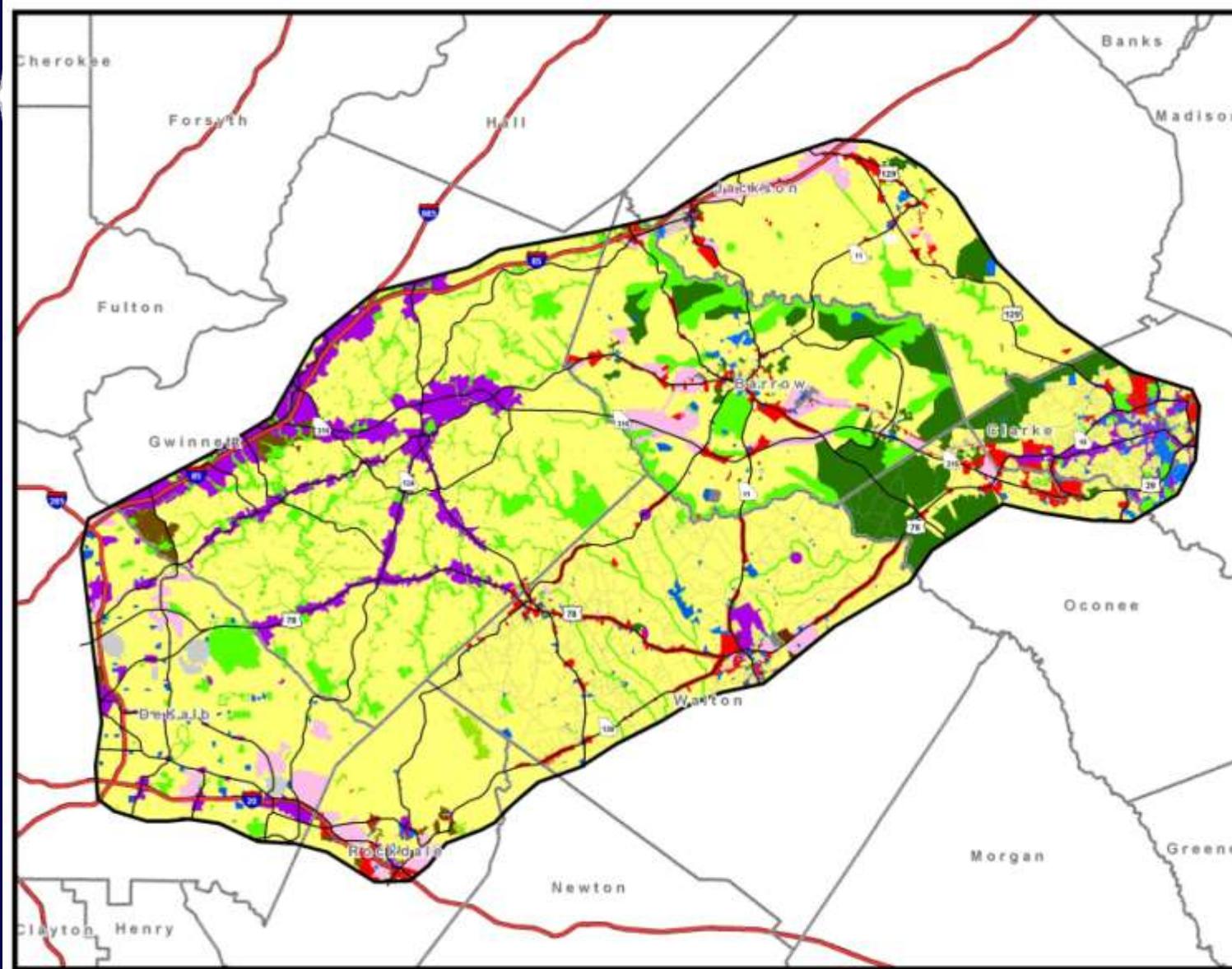


2040 Population and Employment Density

Source: Atlanta to Athens Connectivity and Mobility Study

Atlanta to Athens: Connectivity and Mobility Study

2040 Population and Employment Density



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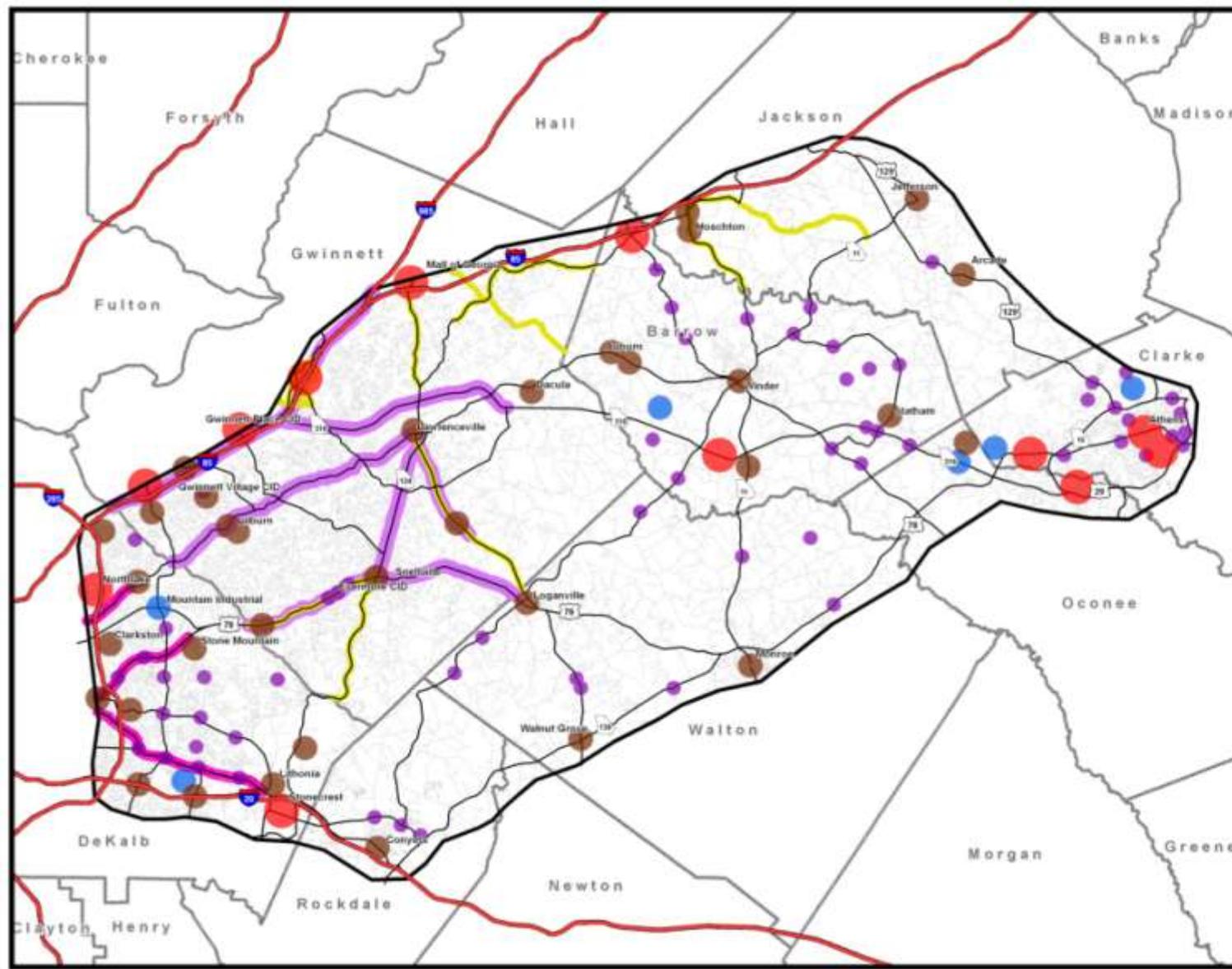
- Study Area
 - Expressways
 - County
 - Major Corridors
- Future Land Use**
- Industrial
 - Commercial
 - Public/Institutional
 - Mixed Use
 - Single-Family Residential
 - Multi-Family Residential
 - Park/Recreation/Conservation
 - Agriculture
 - Transportation/Communication/Utility
 - Municipality

Source: Comprehensive Plans, ARC, Athens-Clark,

Future Land Use

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2040 Future Land Use



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- Study Area
- Expressways
- County
- Major Corridors
- Streets
- Overlay Districts
- Redevelopment Corridors
- Mixed-Use Corridors
- Planned Mixed-Use Centers**
- Regional Center
- Town Center
- Employment Center
- Village Center

Source: Comprehensive Plans, DRIs, LCIs
Transportation Plans

Future Development

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Future Development



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Future Transportation Conditions for Study Area



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Highway System

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Facility Type	Percent of Lane Miles		Percent of Total Travel	
	2010	2040 E+C	2010	2040 E+C
Interstate/HOV	11.7	12.5	32.8	28.1
Freeway	2.3	2.2	4.9	4.6
Arterials	50.3	50.3	43.0	45.6
Collectors	35.7	34.9	19.2	21.7

Source: ARC, GDOT, Athens-Clarke County

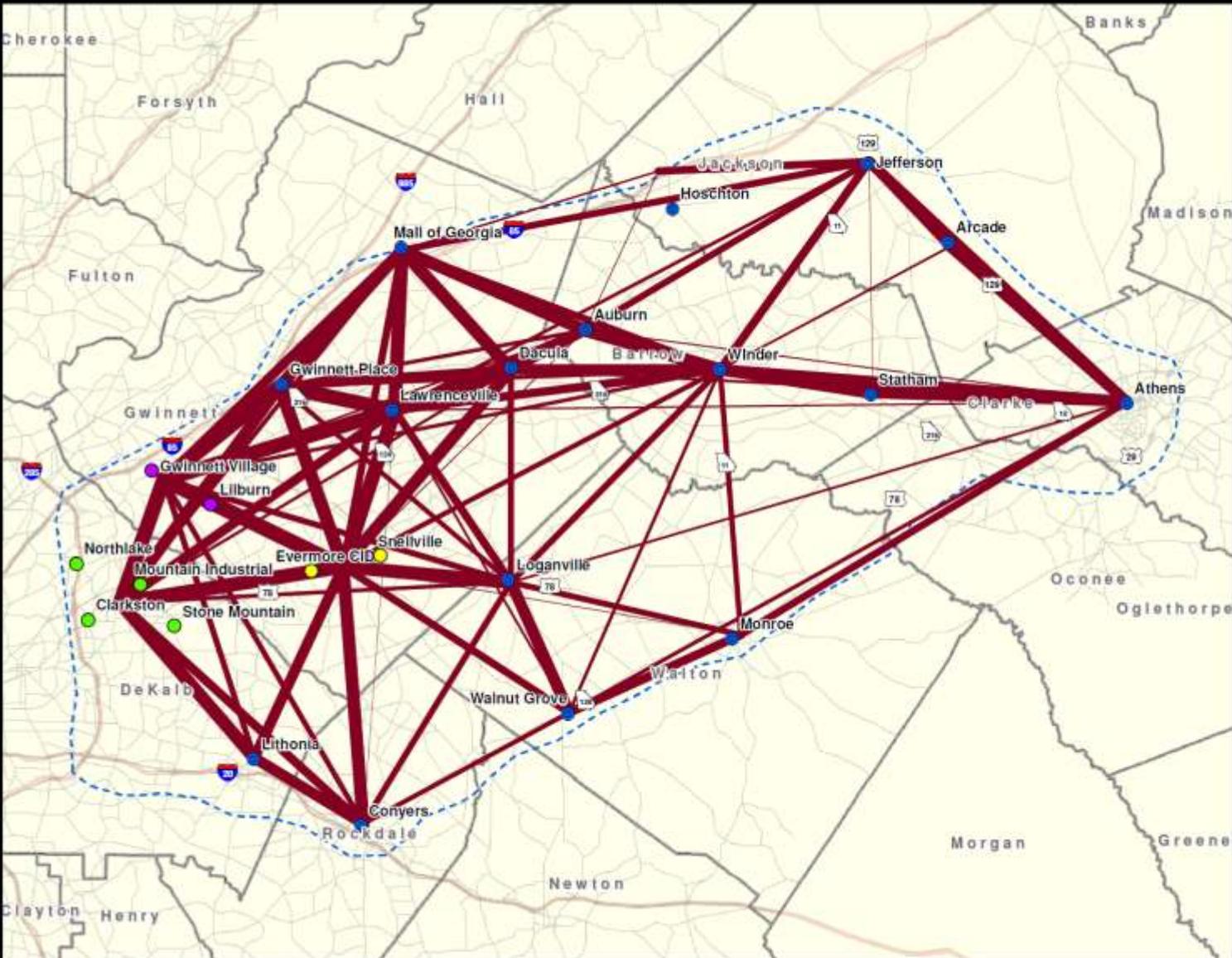


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Home-Based Work Trips

- **Start and end within Study Area**
 - ✓ Share of study area trips increases from **10.5%** to **12.4%**
 - ✓ Trip length decreases from **9.3** to **7.3** miles
- **One end of trip starts or ends in Study Area**
 - ✓ Percent share of these trips decrease from **18.0** to **14.4%**
 - ✓ Trip length decreases **2-4** miles to **16-19** miles

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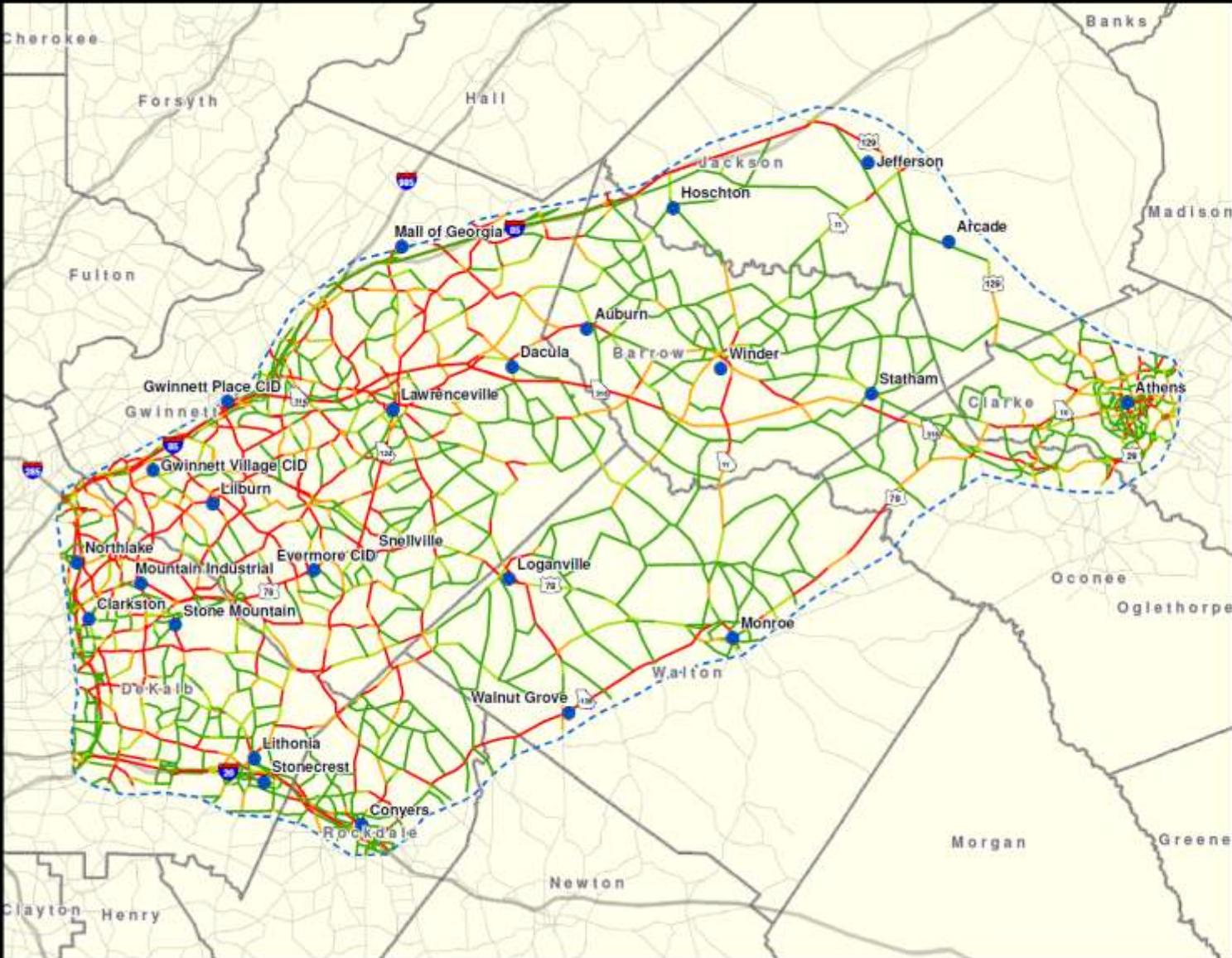
**Major Flows - 2040
(Daily Vehicle Trips)**

- 2000-10000
- 10001-20000
- 10001-30000
- 30001-70000
- 70001-100000
- Activity Centers
- Expressways
- Study Area
- County

ATKINS

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Vehicle Travel between Activity Centers



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Daily V/C Ratio (2040 E+C)

- A - C
- D
- E
- F
- Activity Centers
- Expressways
- Study Area
- County

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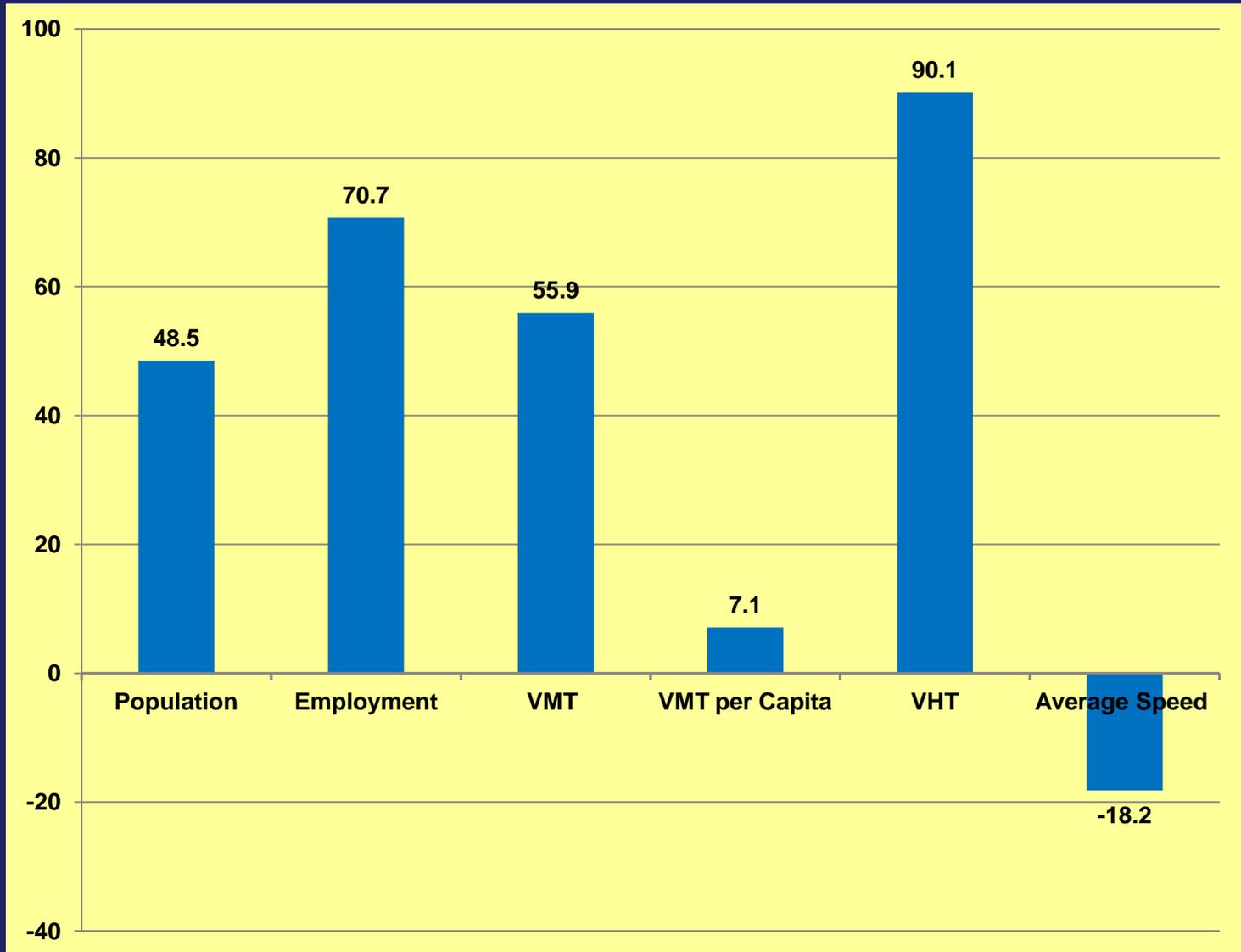
2040 Daily Level of Service



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Percent Change



Source: ARC, 2010 DOL, Athens-Clarke



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Future Conditions for Major Corridors



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How Define Corridors as Deficient

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- **Volume/Capacity Ratio**
- **Percent Truck Delay**
- **Speed Variance**
- **Queue Measure**
- **Transit Connectivity**
- **High Crash Segments**
- **Bike/Pedestrian**



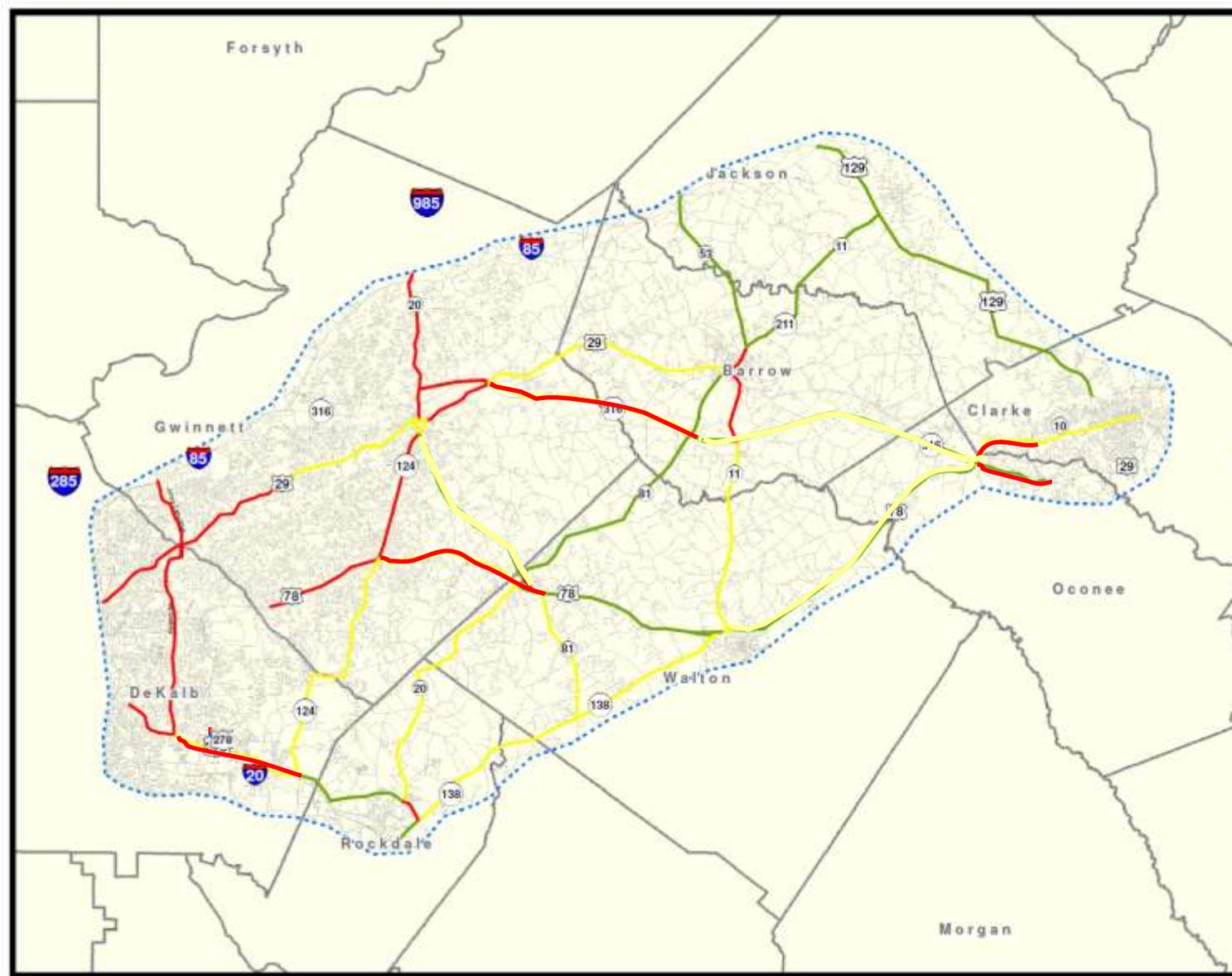
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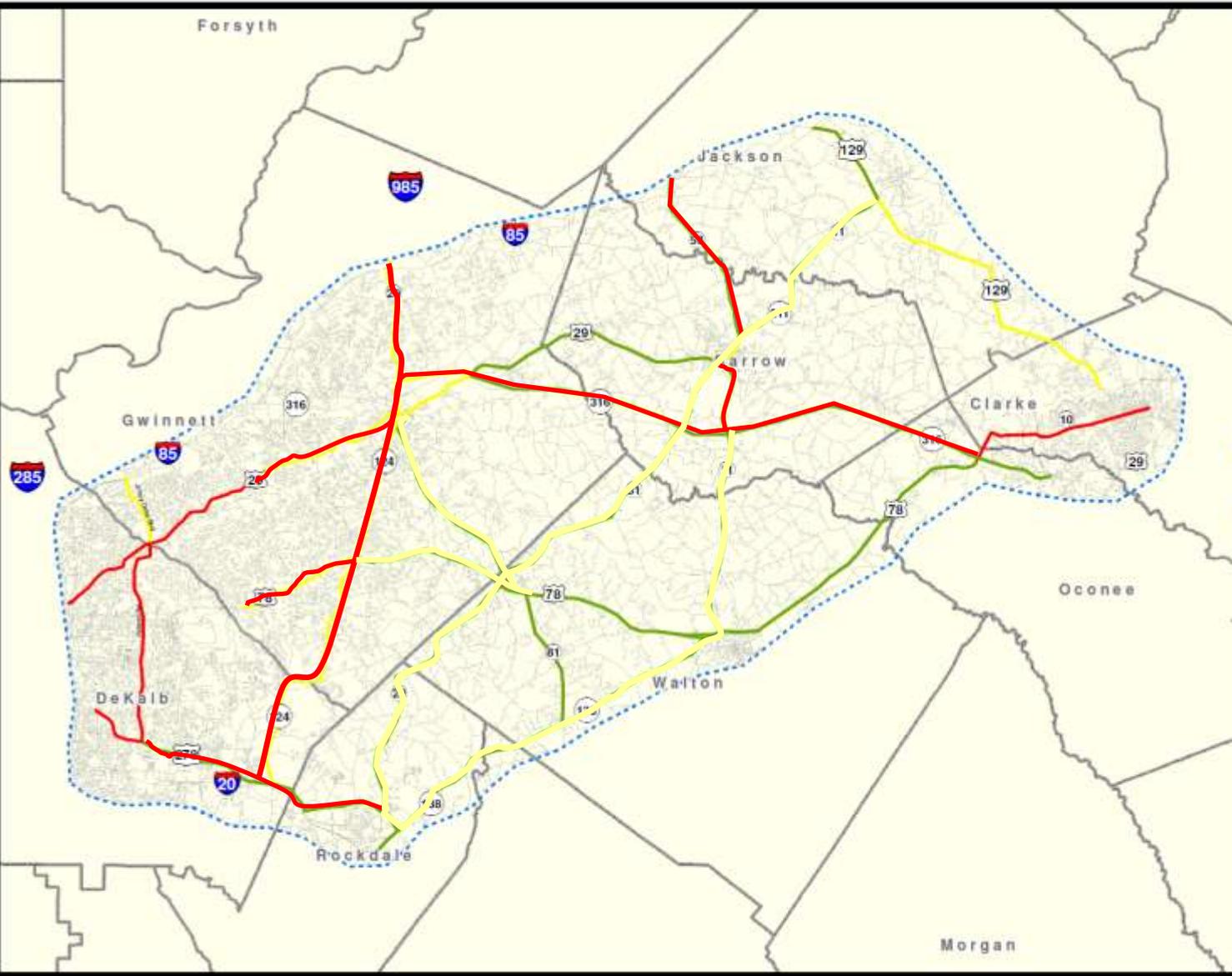
V/C Ratio 2040 E+C

-  Good
-  Fair
-  Poor
-  Streets
-  Study Area
-  County

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2040 Volume/Delay Ratio



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AM Speed Variance 2040 E+C

- Good
- Fair
- Poor
- Streets
- Study Area
- County

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2040 AM Speed Variance



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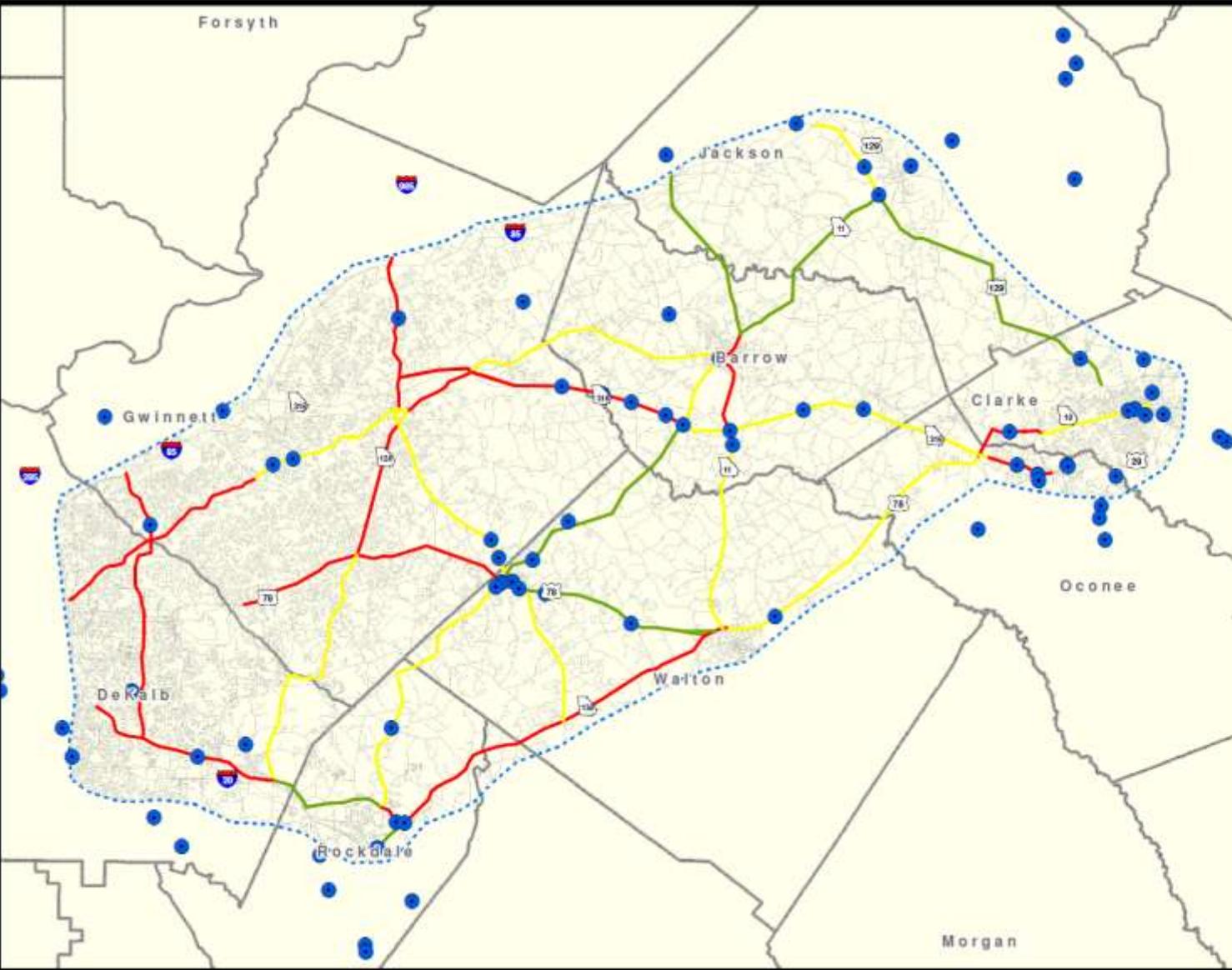


Truck Delay 2040 E+C

- Good
- Fair
- Poor
- Streets
- Study Area
- County

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Percent Truck Delay



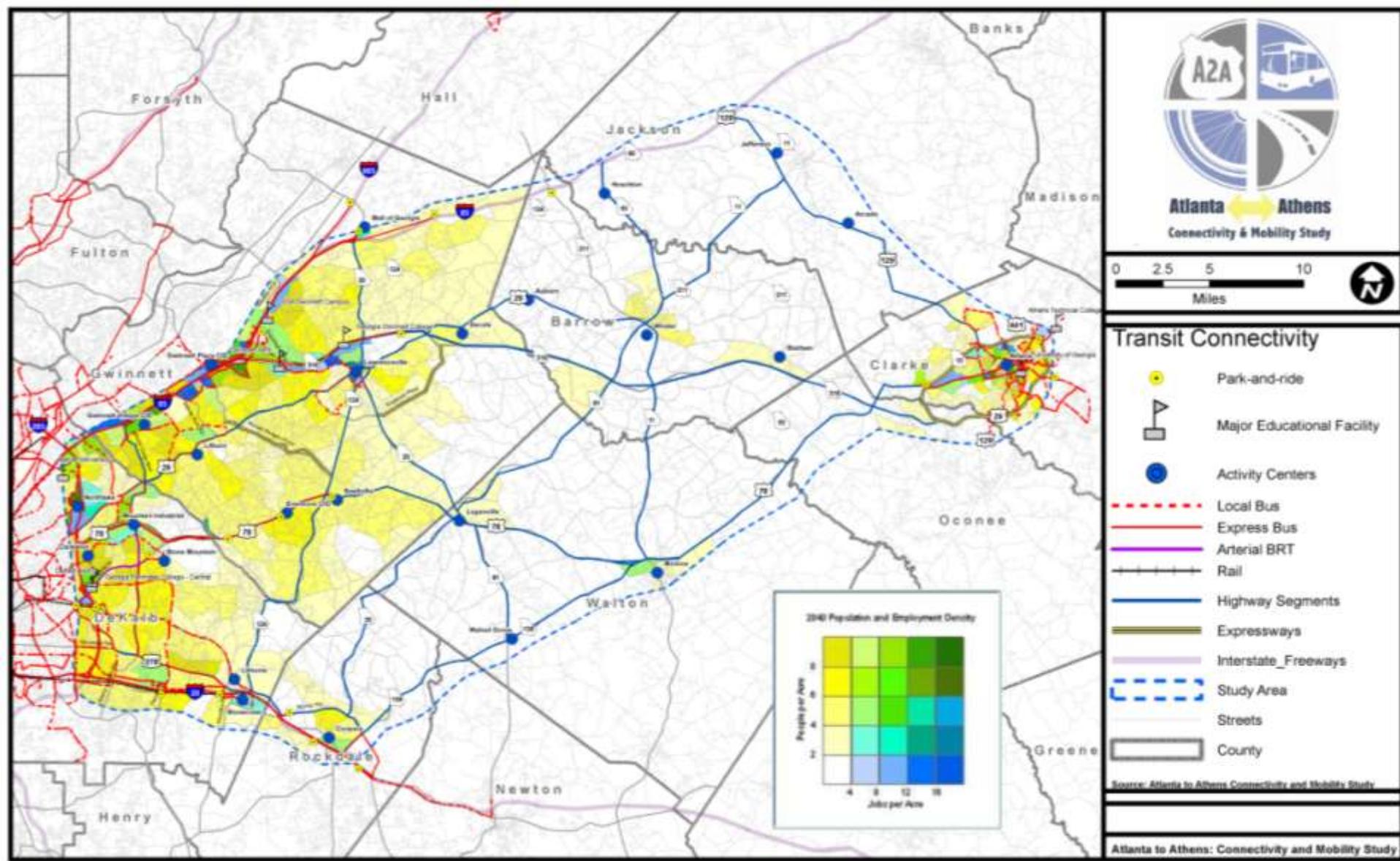
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- Top10 Crash Intersections by County
- V/C Ratio 2040EC**
- Good
- Fair
- Poor
- Streets
- Study Area
- County

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Top Crash Locations



Existing Transit Connectivity on 2040 Development



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Break-Out Sessions



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Purpose of Break-out Sessions

- We need your input !!!!!!!!!!!!!!!!
- Have identified potential improvement strategies for corridors defined as deficient in the future for testing using the travel demand model
- Want you to discuss the potential improvement strategies and select one for some corridors
- Based on your input, these strategies will be tested for Improvement Strategy 1



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Questions



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NEXT STEPS

Kaycee Mertz – GDOT Project Manager



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Next Steps

- Prepare Future Conditions Report
- Test and Evaluate Improvement Strategies 1 & 2
- Case Studies Analysis – Early Summer 2013*
- Recommendations – Late Summer 2013*

*upcoming opportunity for involvement



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For More Information

Project Website

<http://www.dot.state.ga.us>

➔ ① Click On – Information Center

➔ ② Click On – Programs & Studies

➔ ③ Click On – Studies

➔ ④ Click On – Atlanta to Athens

<http://www.dot.ga.gov/AtlantatoAthens>



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For More Information

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THANK YOU FOR PARTICIPATING TODAY!