

Atlanta-Athens Connectivity & Mobility Study

Stakeholder Committee Meeting October 24, 2013



Introductions

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

Agenda

- **Welcome & Introductions**
- **Project Overview**
 - ✓ Study Purpose & Goals
 - ✓ Recap of Previous Stakeholder Meetings
 - ✓ Recap of Previous Tasks
 - ✓ Current Tasks
- **Improvement Strategies and Evaluation Process**
- **Cost Analysis and Feasibility**
- **Improvement Strategy Discussion**
- **Next Steps**

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

Schedule Overview

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

★ Kick-Off Steering Committee Meeting – Feb 2012

★ Review of Existing Conditions – August 2012

★ Future Conditions – Spring 2013

★ Improvement Strategies – Summer 2013

★ Recommendations & Final Report – End of 2013

WE ARE
HERE

Project 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
- ✓ ▪ Identify Potential Strategies
- WE ARE HERE → ▪ Evaluate Improvement Strategies & Develop Preliminary Recommendations
- Final Report and Recommendations
- Case Study Evaluation

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*)

Major Travel Corridors

- **Selected corridors used for regional travel:**
 - **Trip lengths, truck volumes, commuter trips**
 - **Activity centers or emerging development areas identified by stakeholders**
 - **Identified as an important travel corridor**
 - **Total Vehicle Miles Traveled (VMT) from District to District**

Major Travel Corridors



Atlanta ↔ Athens
Connectivity & Mobility Study

0 2.5 5 10

Miles

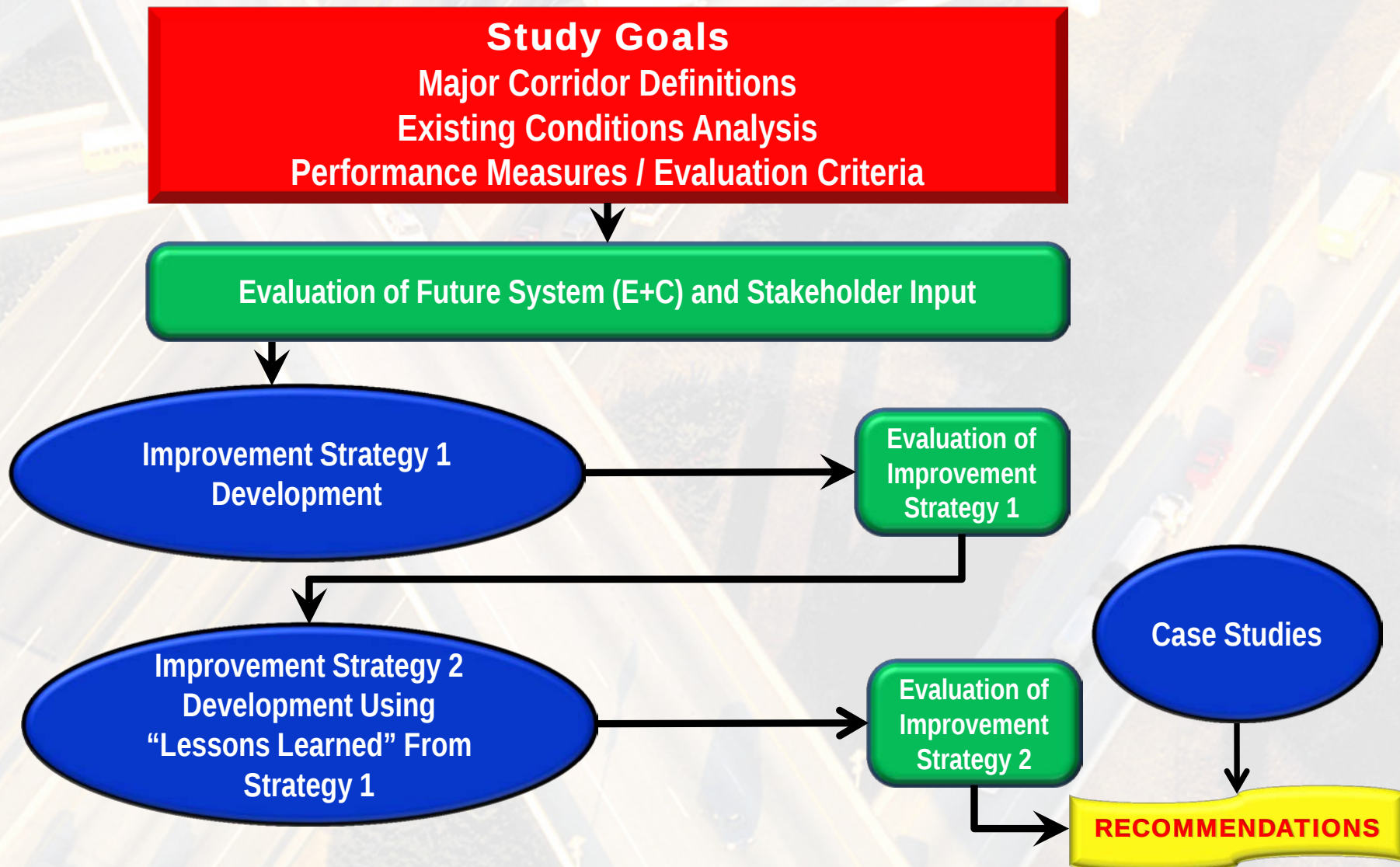


Major Travel Corridors

- Activity Centers
- Major Education Facility
- Major Corridors
- Streets
- Study Area
- County
- Expressways

Atlanta to Athens: Connectivity and Mobility Study

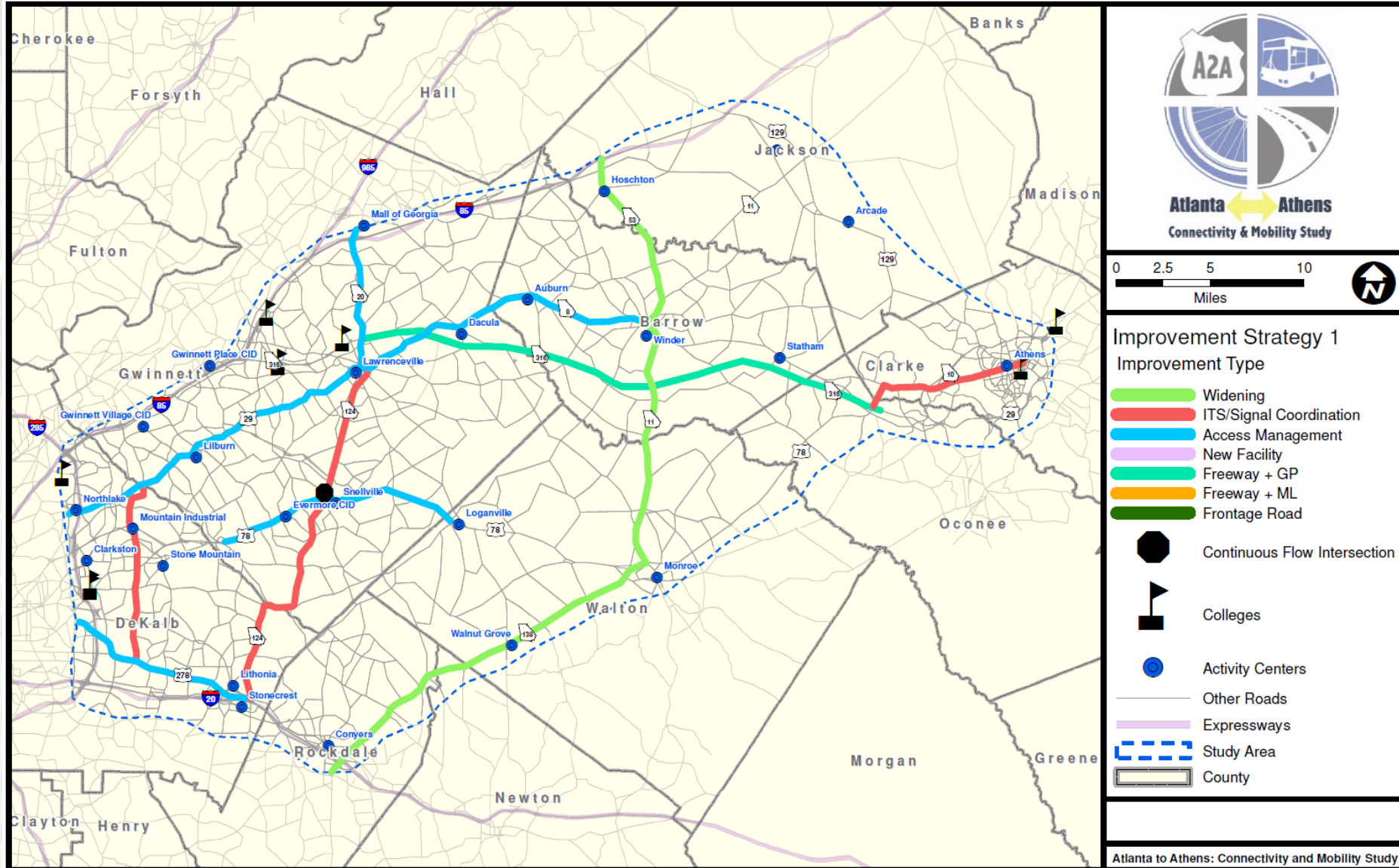
Improvement Strategy Development and Evaluation Process



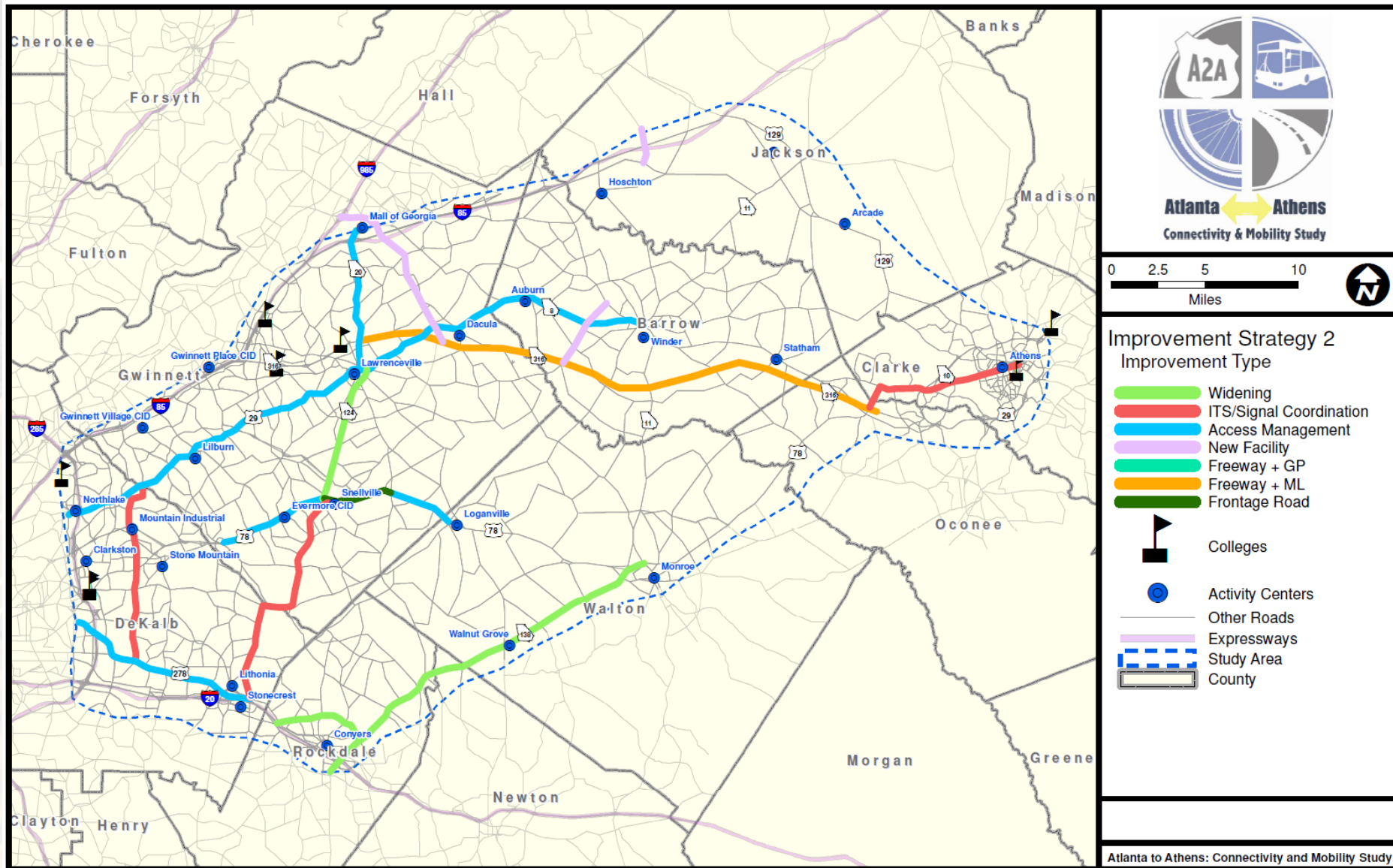


IMPROVEMENT STRATEGIES AND EVALUATION PROCESS

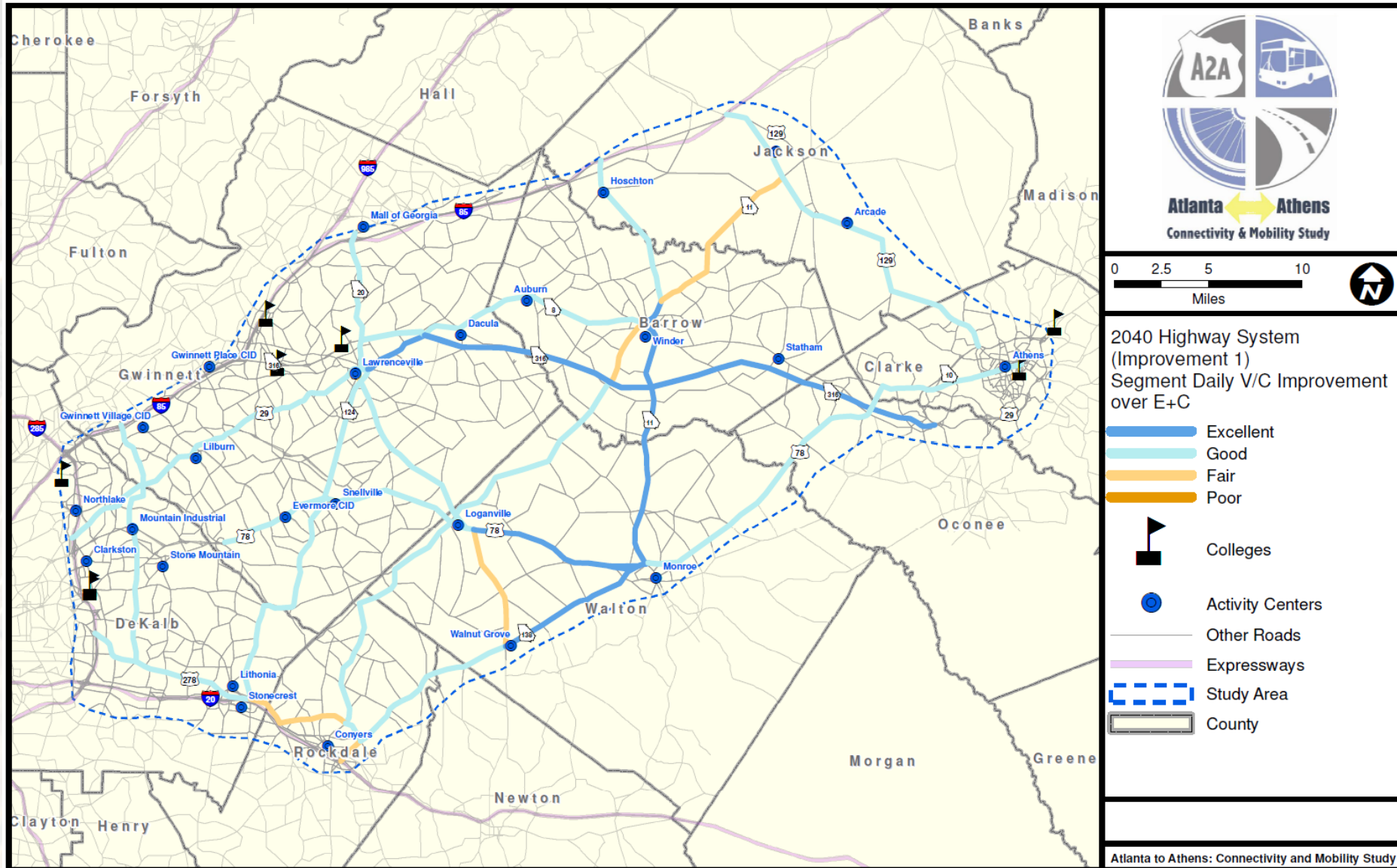
Improvement Strategy 1 - Stakeholder Input



Improvement Strategy 2 - Project Refinements



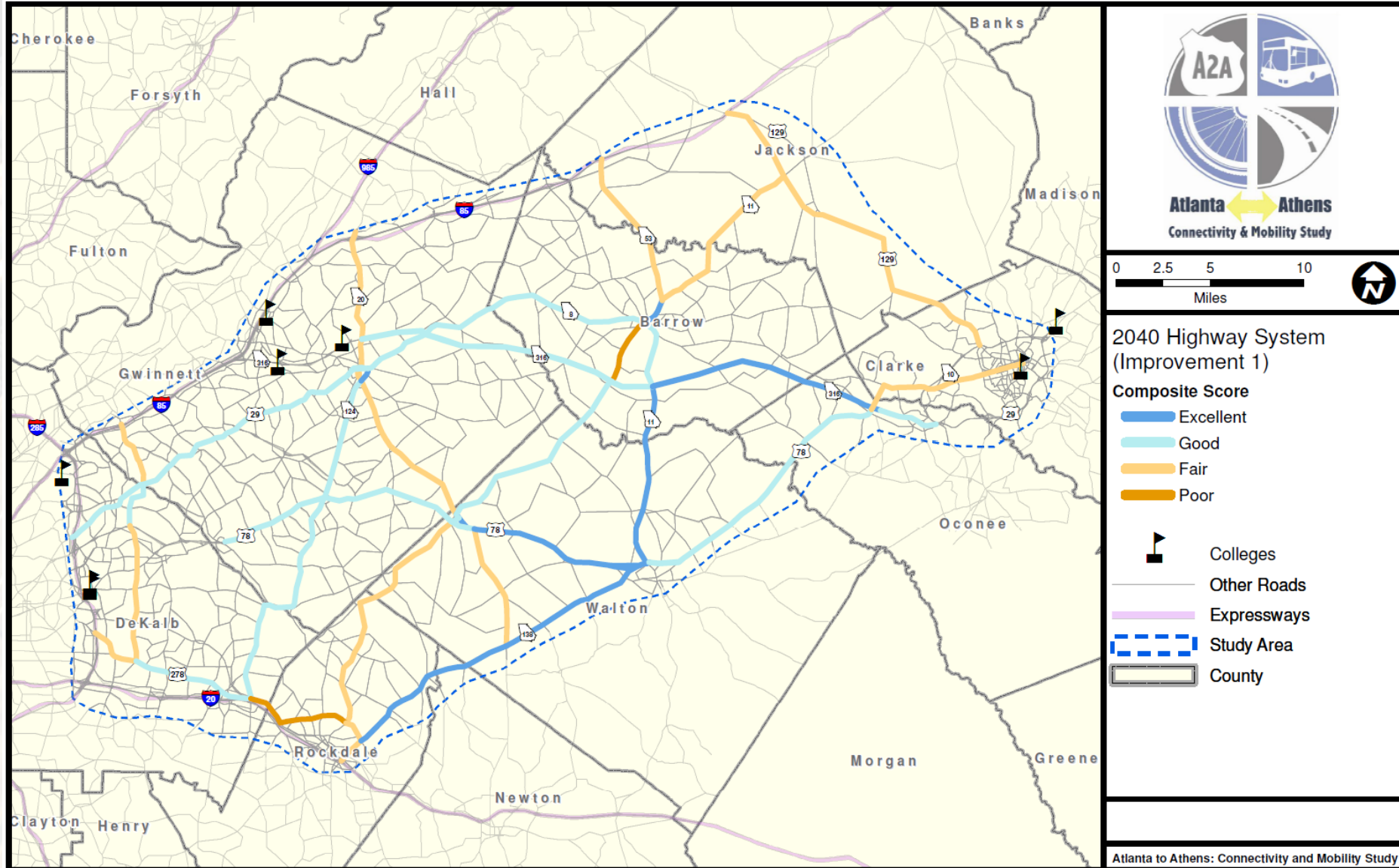
Change in V/C Relative to E+C - Strategy 1



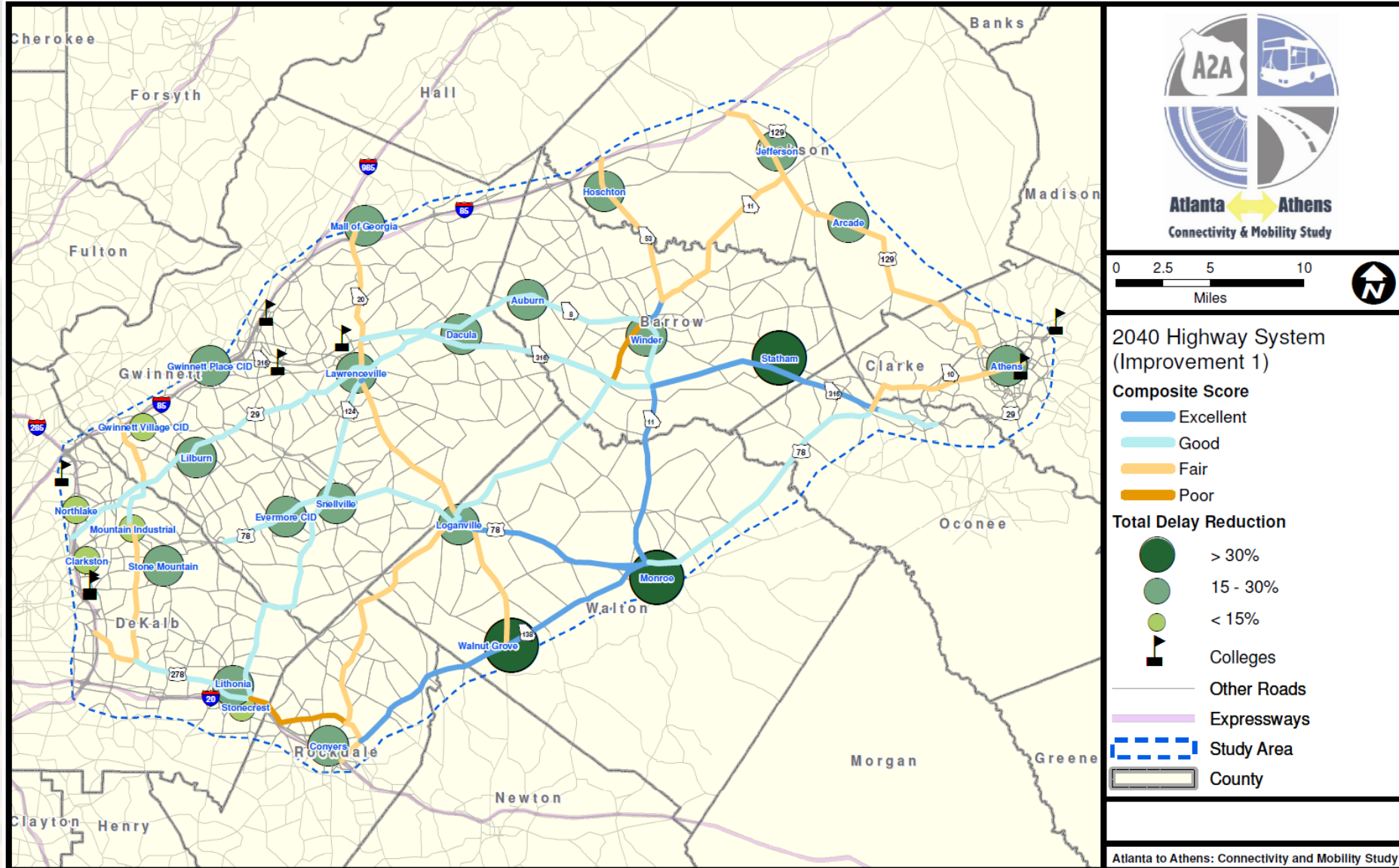
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Georgia Department of Transportation

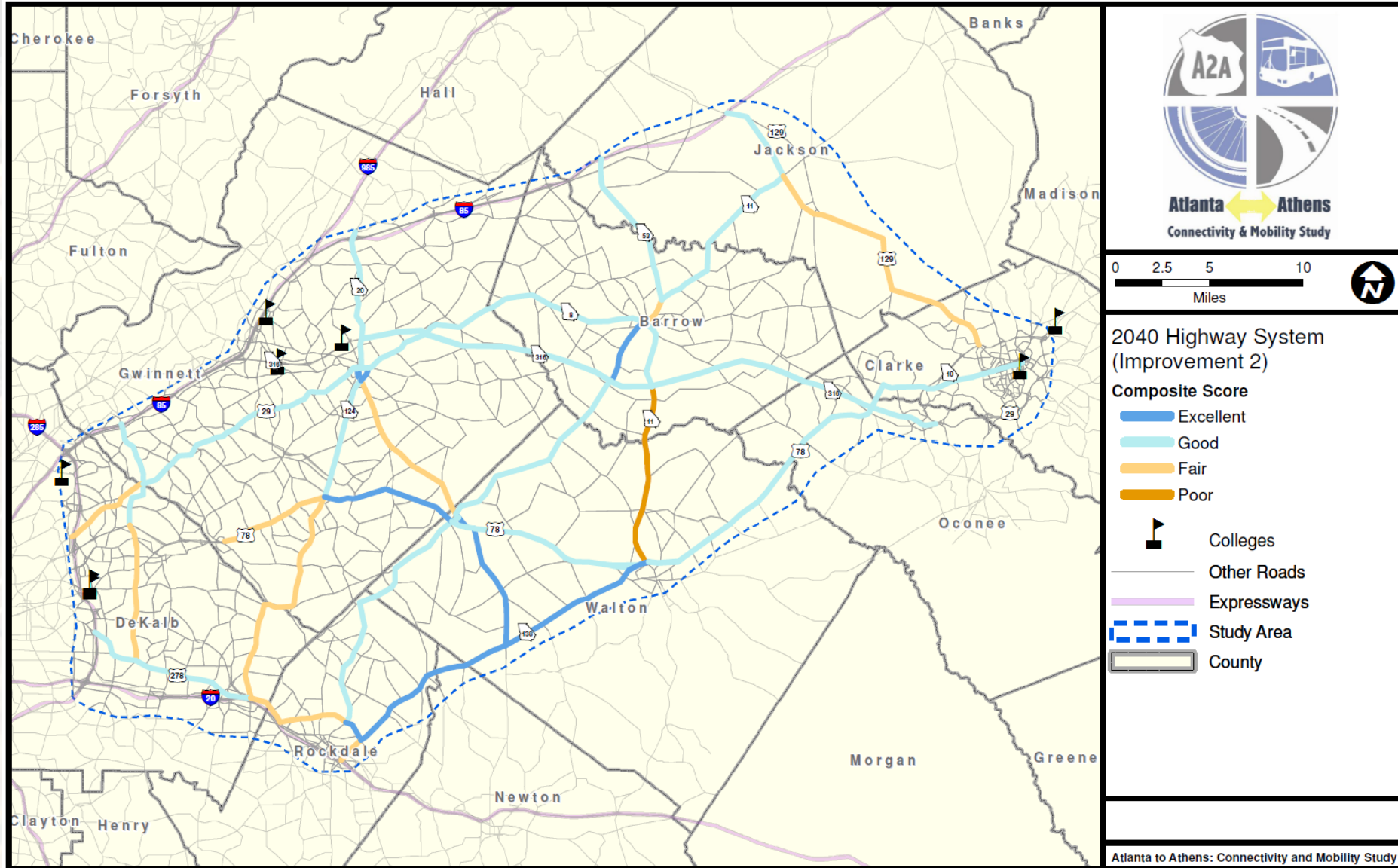
Overall Mobility Score - Improvement Strategy 1



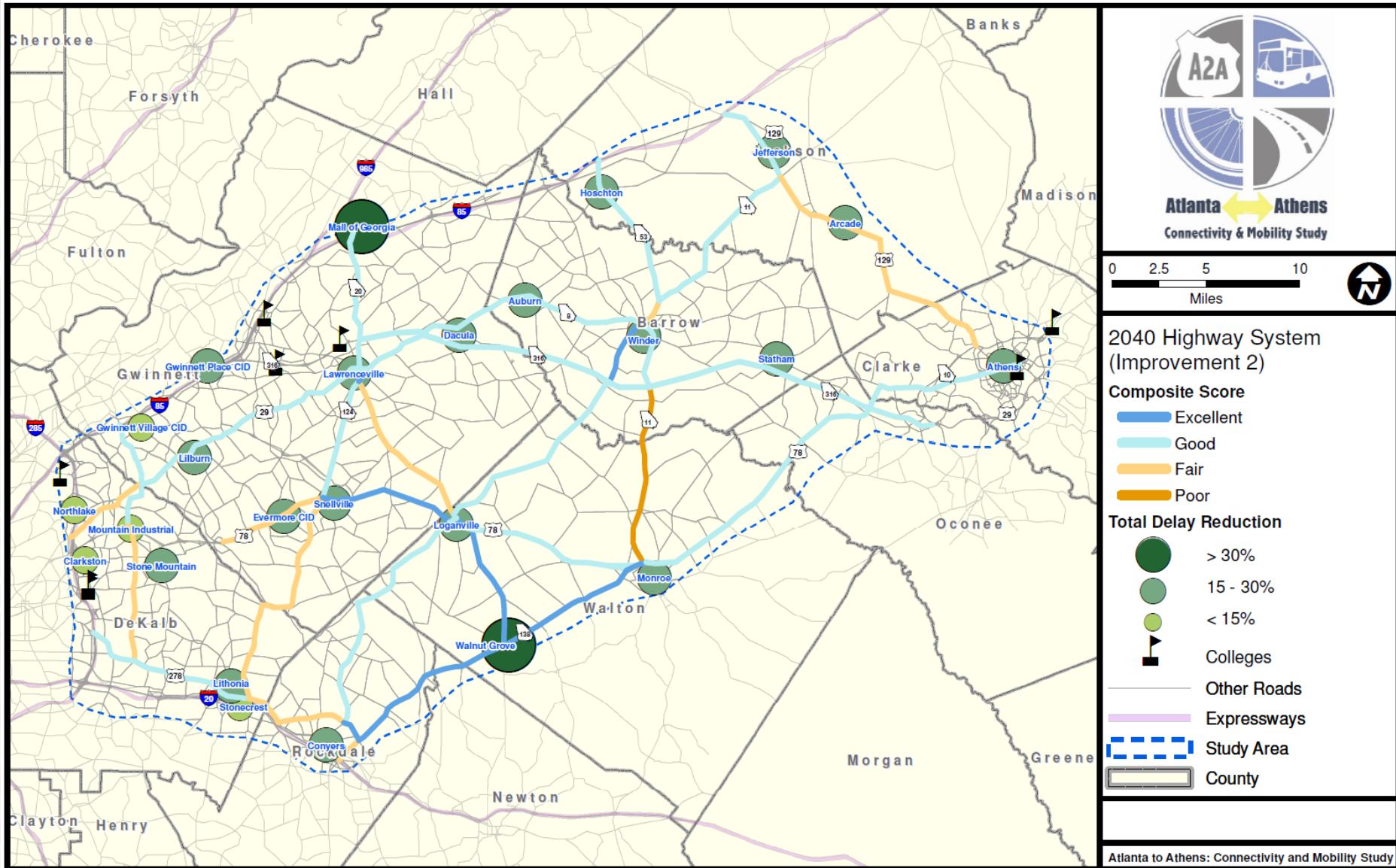
Overall Mobility Score - Improvement Strategy 1



Overall Mobility Score - Improvement Strategy 2

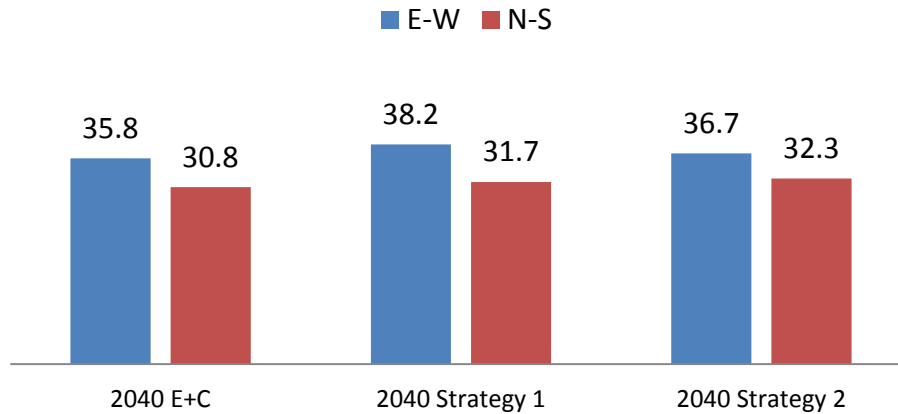


Overall Mobility Score - Improvement Strategy 2

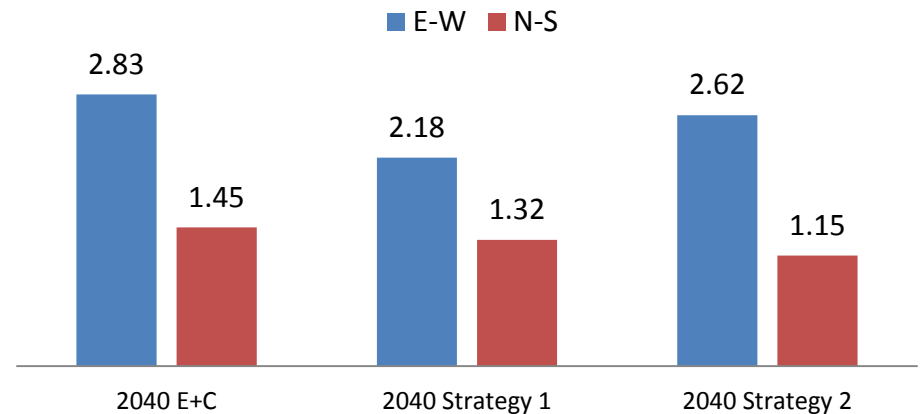


Overall Major Corridor Mobility

Average Speed for Major Corridors (mph)

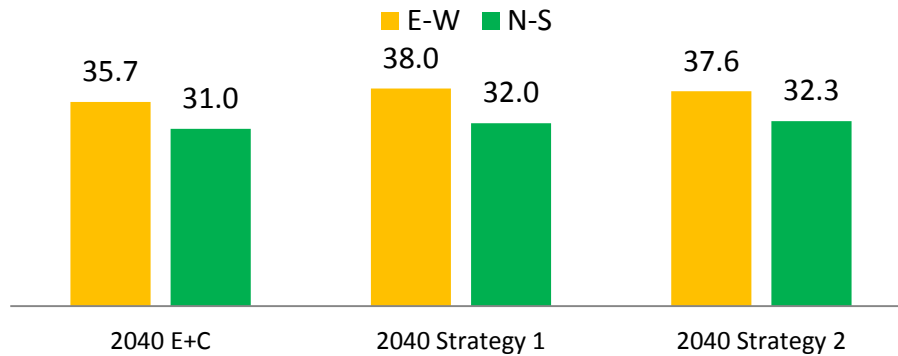


Total Delay for Major Corridors (veh-hrs, in millions)

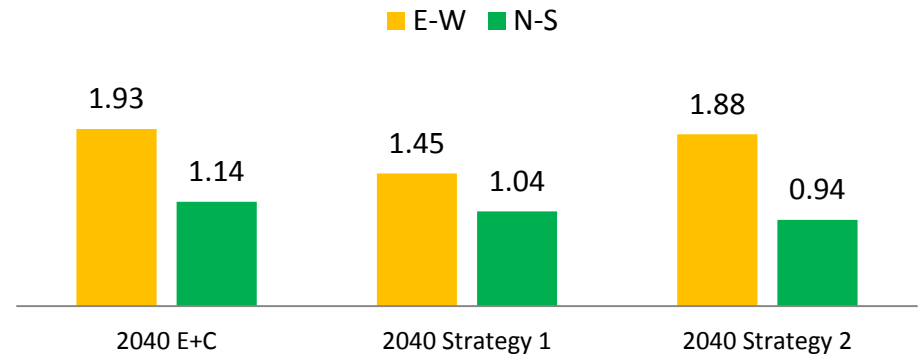


Overall Major Corridor Mobility (Freight)

Average Freight Speed for Major Corridors
(mph)

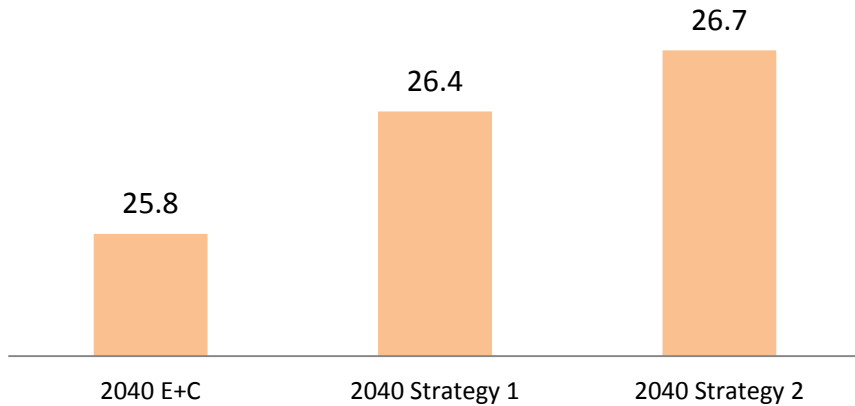


Total Freight Delay for Major Corridors
(veh-mins, x100,000)

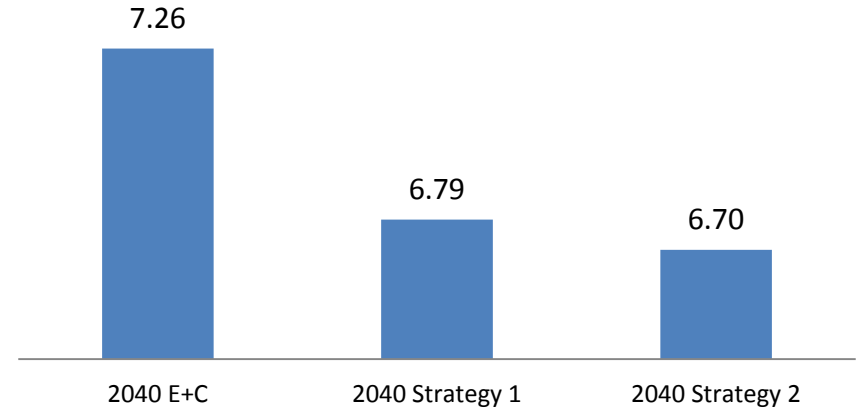


Study Area Mobility Summary

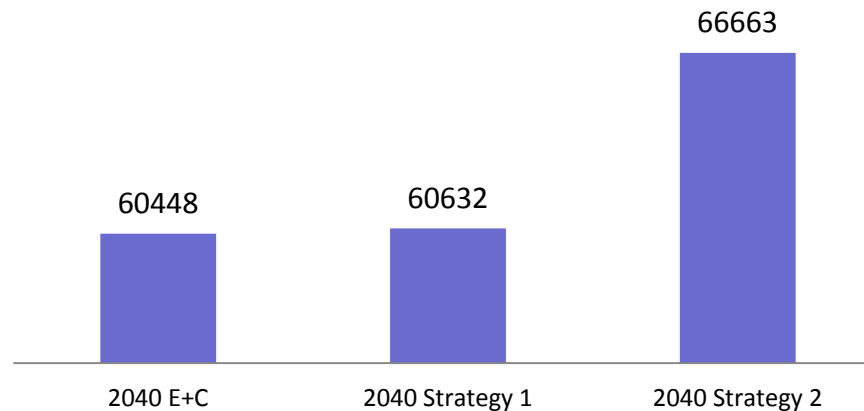
Study Area Average Speed
(mph)



Study Area Delay
(veh-hrs, x100,000)



Study Area Daily Transit Boardings



Summary of Evaluated Strategies – for Discussion

Description	Study Goal 1		Study Goal 2	Study Goal 3	Study Goal 4		Estimated Cost
	Mobility	Promotes AZA Connectivity	Safety Improvement	Land Use Compatibility	In existing agency plan (CTP, TIP, etc)	Identified by Local Agency	
Convert SR 316 from SR 20 (Lawrenceville) to SR 10 Loop (Athens) to a freeway and add 1 lane in each direction							High
Convert to freeway and add Managed Lane on SR 316 from I-85 to SR 10 Loop (Athens) with express bus service and P&R lots							High
Widen SR 138 to 4 lanes from just south of I-20 to US 78 and add a diverging diamond interchange at I-20							High
Implement signal coordination on Mountain Industrial Blvd/Hairston Rd from US 29 to US 278							Low
Implement access management on US 29 from I-285 to SR 316 (Lawrenceville) such as reducing driveways, consolidating inter-parcel access, adding medians to reduce two way center turn lanes which will reduce the number of unrestricted left turn lanes							Moderate
Implement access management on SR 8/US 29 Business from SR 316 to SR 81 (Winder)							Moderate
Implement access management on Covington Hwy from SR 124 to I-285							Moderate
Add continuous flow interchange on SR 124 / SR 20 and add ITS options along SR 124 between US 29 (Lawrenceville) and I-20							Moderate
Widening from 4 to 6 lanes on SR 124 between US 78 and SR 316 (part of GW-259 in LRTP)							High
Implement access management strategies on SR 20 from SR 124 to Gravel Springs Rd (Mall of Georgia) such as reducing driveways to consolidate inter-parcel access							Moderate
Sugarloaf Pkwy extension from SR 316 to I-85 (GW-308B in LRTP)							High
Widen SR 11 / SR 53 from 2 to 4 lanes between SR 138 and I-85							High
Implement access management on US 78 from Rockbridge Rd (Stone Mountain) to SR 20 (Loganville) and add a continuous flow interchange at US 78 and SR 124 (GW-078C in LRTP)							Moderate
Add 2 lane frontage roads on each side US 78 between SR 124 and SR 84 (GW-367 in LRTP)							Moderate
Implement intersection improvements such as coordinated signals between Milledge Ave and College Ave on US 78 / SR 10 in Athens from SR 316 to downtown							Low
Extend US 278/Sigman Rd and widen from SR 124 to SR 20 from 2 to 4-lane (part of RO-235A & RO-235C in LRTP)							High
New Interchange at I-85 and SR 60 with access road							High
West Winder Bypass - from SR 316 to SR 211							High



Most compatible with project goals



Moderate/Neutral



Less compatible with project goals

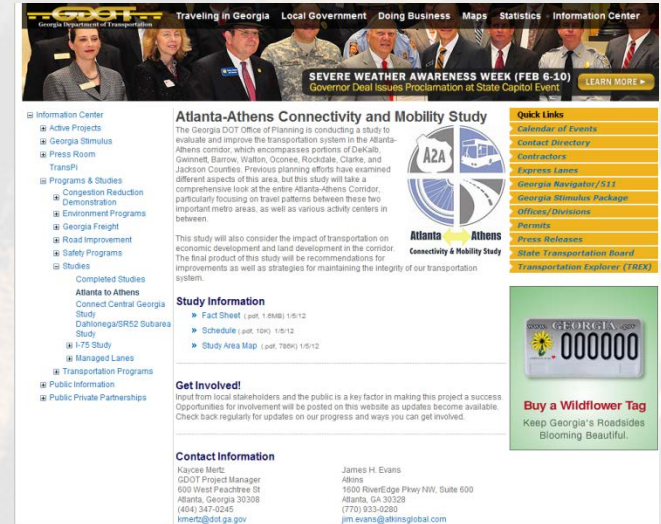
For More Information

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>



For More Information

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