

Destination2040

Gwinnett's Comprehensive Transportation Plan

gwinnettcounty

Comprehensive Transportation Plan

February 23, 2018

- Overview
- Public Involvement and Data Collection
- Constraining Investments
- Policy Recommendations
- Short Range Investments funded by 2017 SPLOST Program
- Recommendation for separate Transit Development Plan

What is the CTP and why is it important?

- Examines the many changes that have occurred in population, employment, land use and development since the prior CTP
- Allows the County to work with the public to evaluate current vision, goals, objectives and investment strategies to set a direction for transportation going forward
- Uses current and projected travel patterns to address needs
- Allows the County to access State and Federal funds and use taxpayer dollars responsibly



Stakeholder Groups

Partner Agency

- Atlanta Regional Commission
- Georgia Regional Transportation Authority
- Georgia Department of Transportation
- Gwinnett County Departments
- Gwinnett County Schools
- Cities
- Community Improvement Districts

Community

- Commissioner Representatives
- Gwinnett Chamber of Commerce
- Colleges and Universities
- Medical Facilities
- Bicycle and Pedestrian Advocacy Groups
- Aging Services Groups
- Youth and Millennial Representatives
- SPLOST Committee Representatives
- Racial and Ethnic Minority Advocacy Groups
- Freight Organizations
- Environmental Advocacy Groups
- Community Service Organizations

Vision and Goals

- Improve Connectivity
- Leverage the County's Transportation System to Improve Economic Vitality and Quality of Life
- Improve Safety and Mobility for All People Across All Modes of Travel
- Proactively Embrace Future Transportation Opportunities
- Continue to Serve as Responsible Stewards of Transportation Resources



Outreach Opportunities - 25 community events



Run the Reagan Foot Races



Alexander Park



Grayson Days Festival



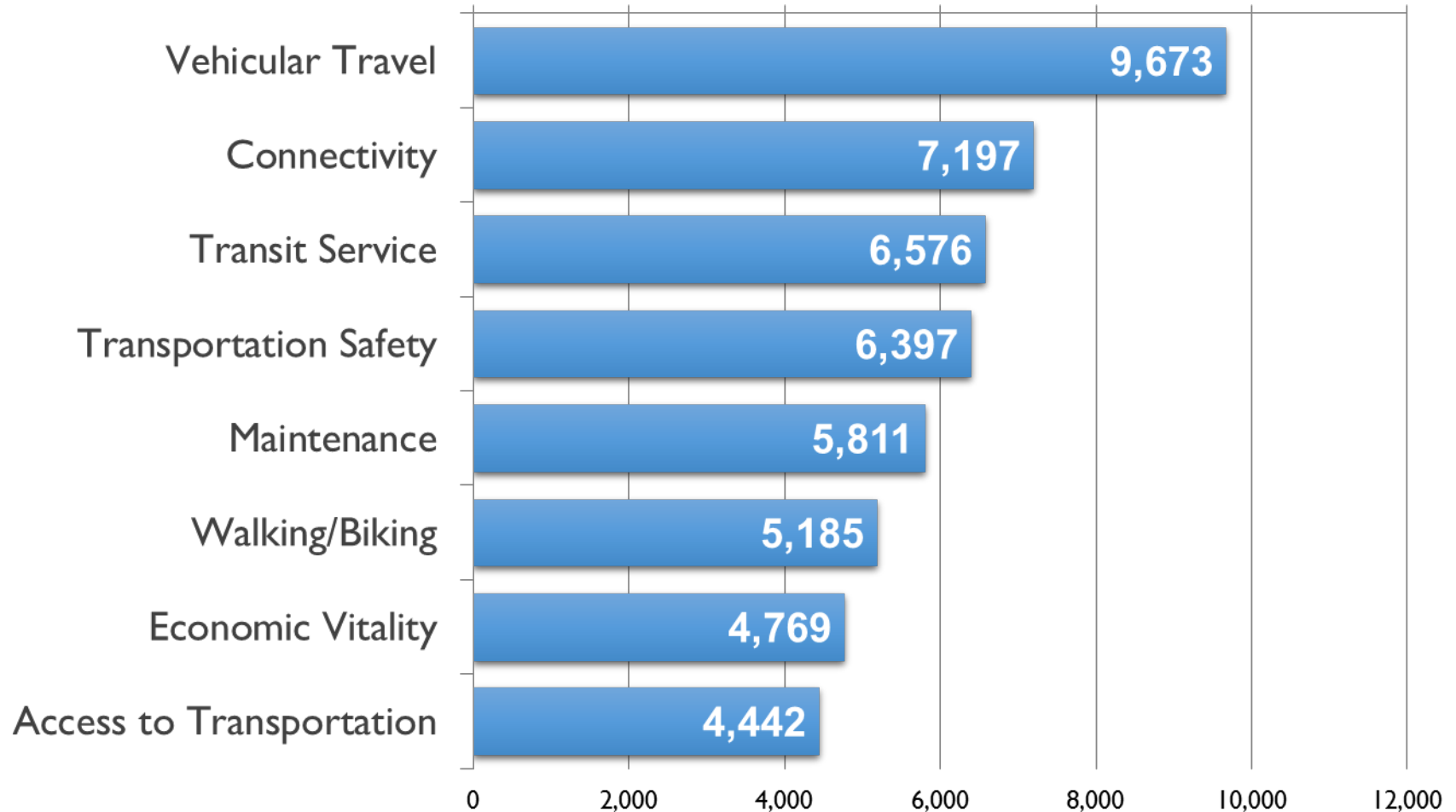
Bethesda Senior Center

Outreach Opportunities - 12 Public Meetings

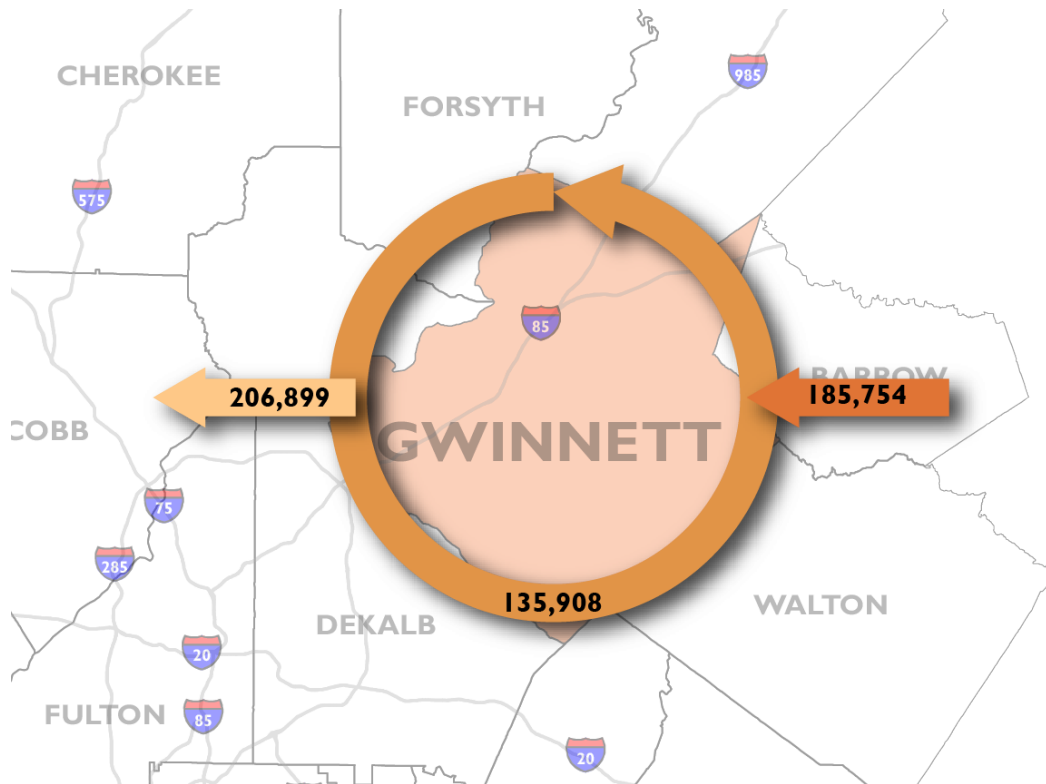




Citizen Priority Rankings from all outreach



CTP Demographic Data



185,754
Work in Gwinnett,
Live outside of Gwinnett

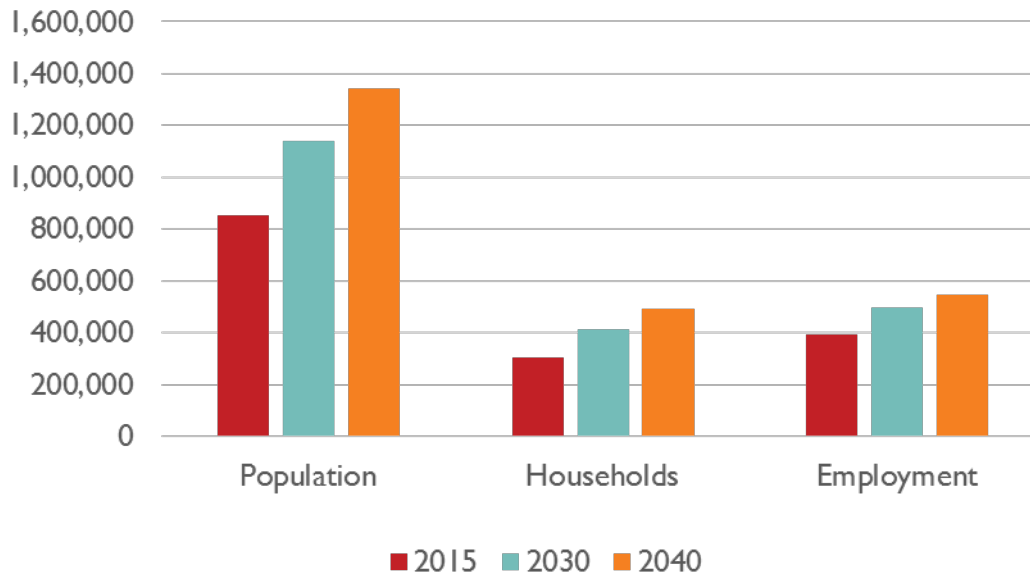
206,899
Live in Gwinnett,
Work outside of Gwinnett

135,908
Work and live in Gwinnett

Inflow/Outflow Job Counts in 2013

CTP / TDP Demographic Data Gwinnett County Growth Projections

Demographic Totals



Atlanta Regional Commission

Population Growth =
487,000 people (57%)

Household Growth =
188,487 households (62%)

Employment Growth =
156,000 jobs (40%)

Atlanta Regional Commission socioeconomic data is being used for the CTRDP analysis. Woods & Poole data shows an even larger increase in Gwinnett population (1.5 million total population) by 2040.

Constraining Investments

Project Evaluation

- Developed universe of projects based on public input and data collection
- Metrics reflective of Vision and Goals, regional planning guidance
- Differed by SPLOST category and project type

EVALUATION CRITERIA

- : Criteria applies to SPLOST category
- : Criteria applies to vision/goal
- : Criteria partially applies to vision/goal

			SPLOST CATEGORIES						VISION & GOALS			
			BRIDGES, CULVERTS AND TRANSPORTATION DRAINAGE	INTER-SECTIONS	MAJOR ROADS	ROAD SAFETY AND ALIGNMENT	SCHOOL SAFETY	SIDEWALKS AND PEDESTRIAN SAFETY	CONNECTIVITY	"VITALITY/ QUALITY OF LIFE"	SAFETY/ MOBILITY	EMBRACE THE FUTURE STEWARDS
GENERAL CRITERIA	MODE											
1	Provides New or Enhanced Connectivity	Roadway, Bicycle, Pedestrian	●		●	●	●	●	●	○		○
2	Improves Reliability	Roadway	●	●	●		●		●	○		○
	Improves Connectivity between adjacent community resources	Bicycle, Pedestrian						●	●	○		○
3	Project Proposed by recognized Agency such as ARC/GDOT, City, CID, GC Department, or Other Local Organization/ Agency	Roadway, Bicycle, Pedestrian		●	●	●	●	●	○	○		● ○
4	Economic Development Asset Index (Employment Density, Commercial RE Density, Underutilized Assets, Economic Development Incentives)	Roadway, Bicycle, Pedestrian	●	●	●	●	●	●	○	●	○	○ ○
5	Proximity to Freight alignments and/ or industrial areas	Roadway	●	●	●	●			○	●	○	○ ○
6	Prioritize projects based on Bicycle/Pedestrian Suitability Analysis	Bicycle, Pedestrian						●	○	●	○	○
7	Proximity to environmental areas or community resources (Bridges - reduce impact to waterway)	Roadway, Bicycle, Pedestrian	●		●		●	●		●		○
8	VMOT Served (Major Roadway)	Roadway		●	●		●		○	○	●	○ ○
	Population Served (Bike/Ped)	Bicycle, Pedestrian						●	○	○	●	○ ○
9	Targeted and/ or Disadvantaged Population Served	Bicycle, Pedestrian						●	○	○	●	○ ○
10	Crash Data	Roadway, Bicycle, Pedestrian		●	●	●	●	●		○	●	
11	Innovative Design or Improved Technologies	Roadway, Bicycle, Pedestrian	●	●	●	●	●	●			○	● ○
12	Feasibility/ Constructibility	Roadway, Bicycle, Pedestrian		●	●	●	●	●		○	○	○ ●
13	MetroQuest Public Input	Roadway, Bicycle, Pedestrian		●	●	●	●	●	○	○	○	○ ●
14	Existing Maintenance Need	Roadway, Bicycle, Pedestrian	●		●			●		○	○	●

Constraining Investments

- Evaluation of local, state, and federal funding
- Primary constraining of levels by local funding
- No prioritization of projects within the levels

Short-Range (6-year)

\$486,343,270

Mid-Range (9-year)

\$812,000,000

Long-Range (9-year)

\$928,000,000

Policy Recommendations



Transportation and Land Use



Functional Classification



Asset Management



Freight



Transit



Connected and Automated Vehicles (CAV)



Bicycle and Pedestrian

- Referendum held November 8, 2016
- Six (6) year program for transportation improvements along with public safety, parks and recreation, libraries, civic center expansion, senior service facilities and city projects
- Approximately 65% of County share dedicated to transportation

Citizens Project Selection Committee (CPSC) for transportation allocation

- Member and alternate representing 11 different constituent groups
- Allocated funding among 10 project categories prior to referendum
- Worked with Gwinnett DOT to prioritize projects in coordination with CTP short-range recommendations
- Presented final recommendations to Board of Commissioners June 2017



CPSC Open House

2017 SPLOST

Category	Tier I	Tier II
Bridges, Culverts and Transportation Drainage	\$46 million	\$5.3173 million
Capital Projects Rehabilitation and Resurfacing	\$114 million	--
Intersections	\$45 million	\$11.9 million
Major Roads	\$118 million	\$16.3 million
Residential Speed Control	\$0.75 million	--
Road Safety and Alignment	\$30 million	\$5 million
School Safety	\$20 million	\$2.5 million
Sidewalks and Pedestrian Safety	\$30.463 million	\$7.6172 million
Transportation Planning	\$1.65 million	--
Unpaved Roads	\$1 million	--
TOTALS	\$406.863 million	\$48.6345 million
County / City Joint Projects	\$30.84577 million	--
TOTAL	\$437.70877 million	\$48.6345 million

Total of 104 Tier I projects

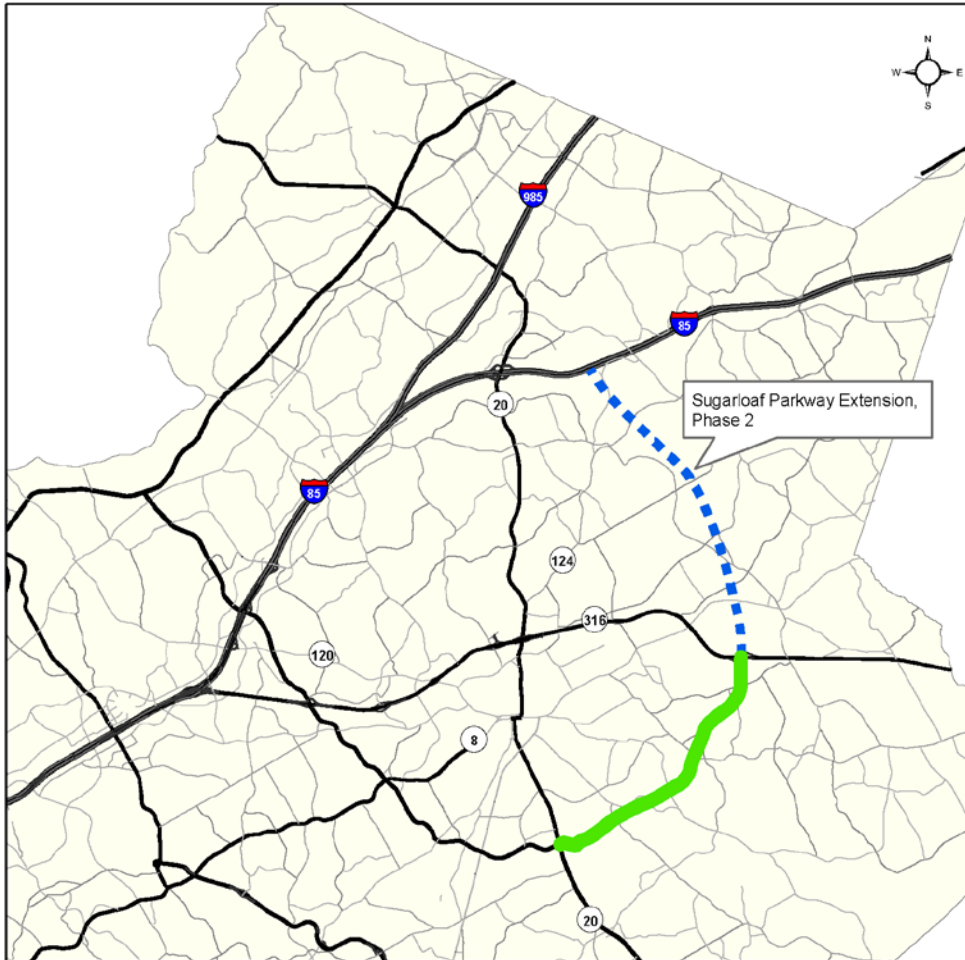
- 40 pedestrian safety projects
- 8 bridge projects
- 20 intersection improvements
- 16 major road projects
- 13 road safety and alignment projects
- 7 school safety projects



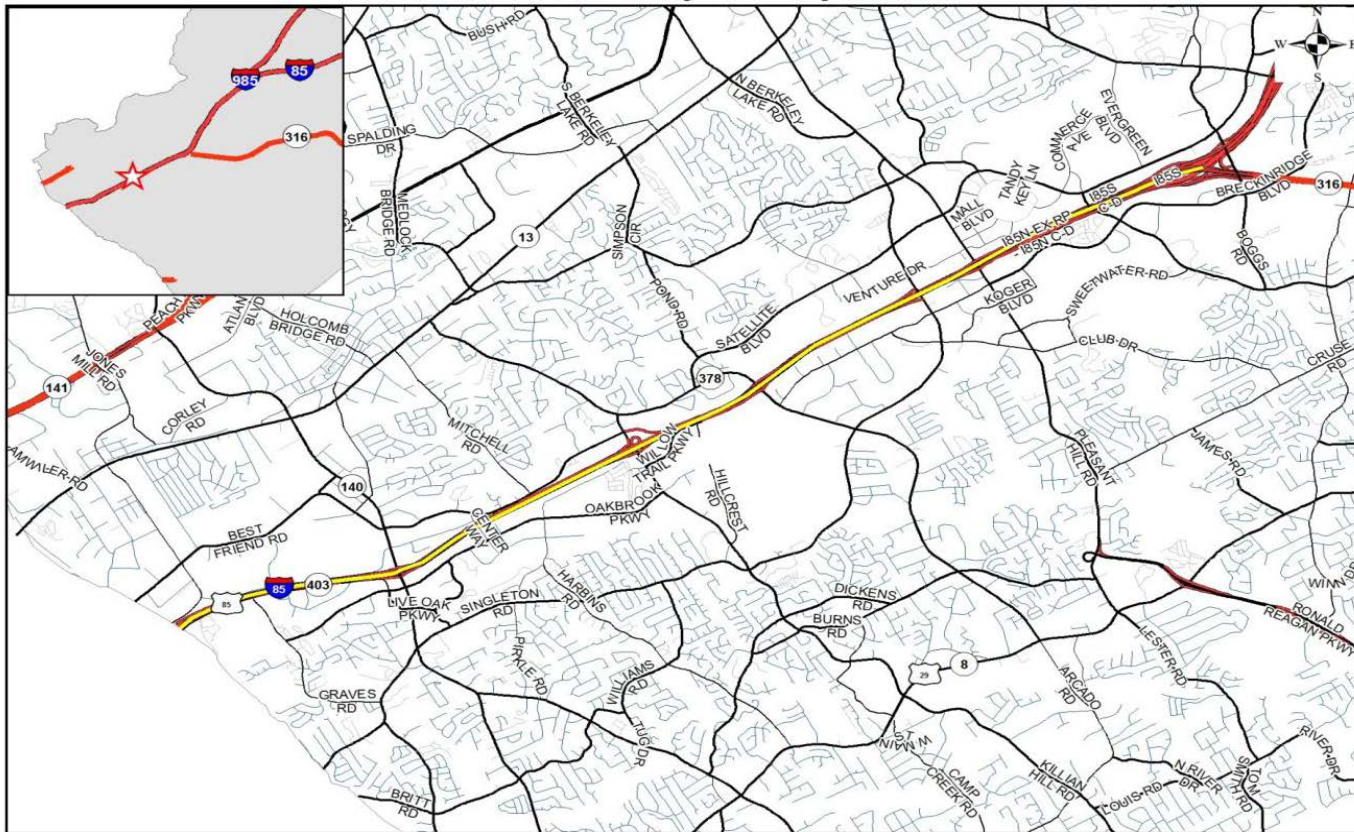
SR 124 / Scenic Highway widening
US 78 to Sugarloaf Parkway



SR 316 at Harbins Road Interchange



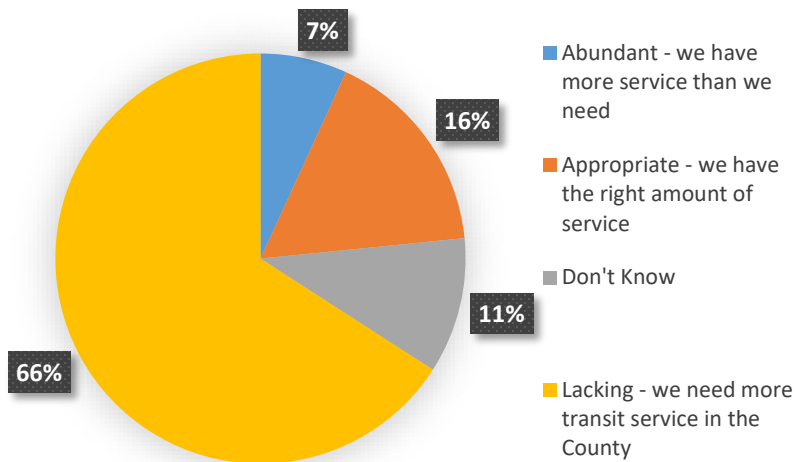
Sugarloaf Parkway Extension Phase II



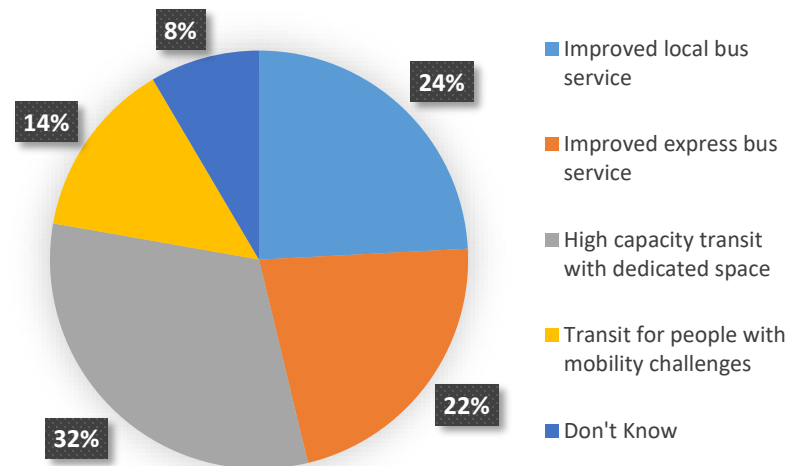
Interstate 85 (north of SR 316 to southern county line)

CTP Results: Transit Questions

Gwinnett's Public Transportation/Transit



1-2 Best Transit Improvements





Project Objectives

- Evaluation and optimization of existing service
- Balance of mode, frequency, and coverage
- Comparison to peers
- Community needs and wants
- Long-term vision and recommendations
- Fare program updates
- Funding for implementation



Transit Development Plan

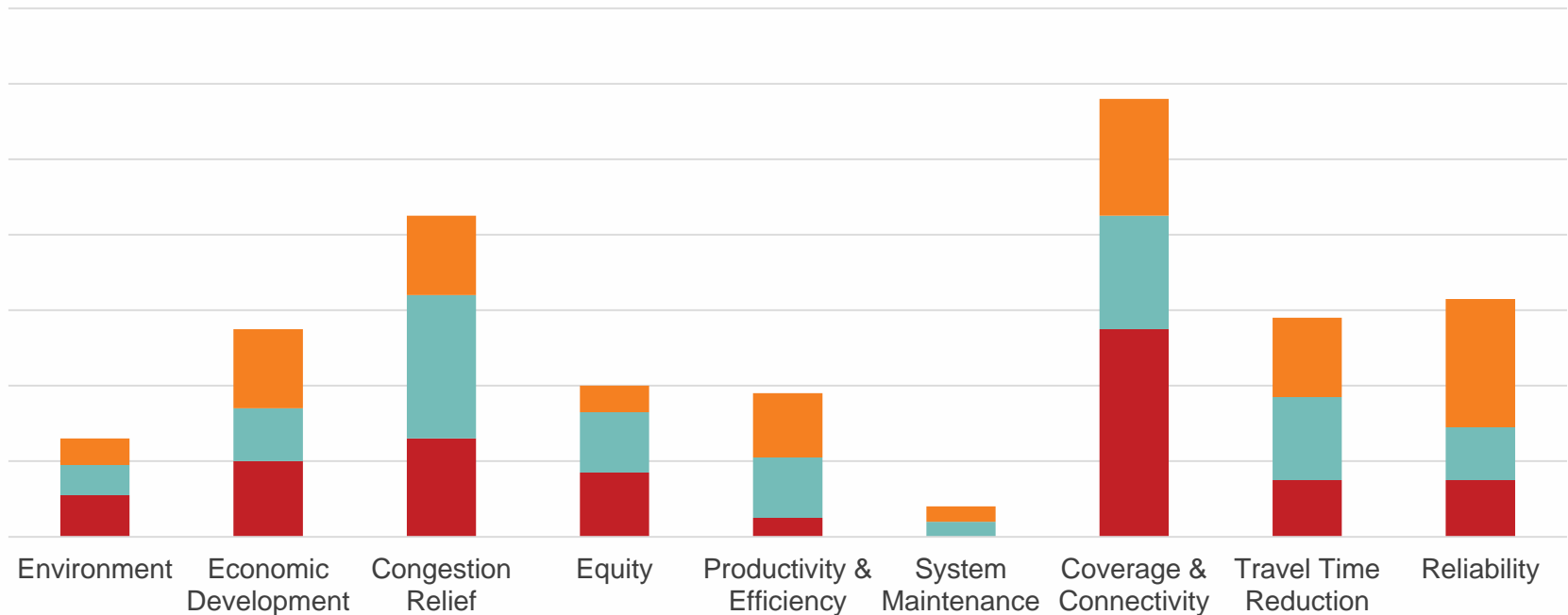
Public Outreach

System Goals and Priorities

1. Coverage and Connectivity
2. Congestion Relief

Priority Pyramids

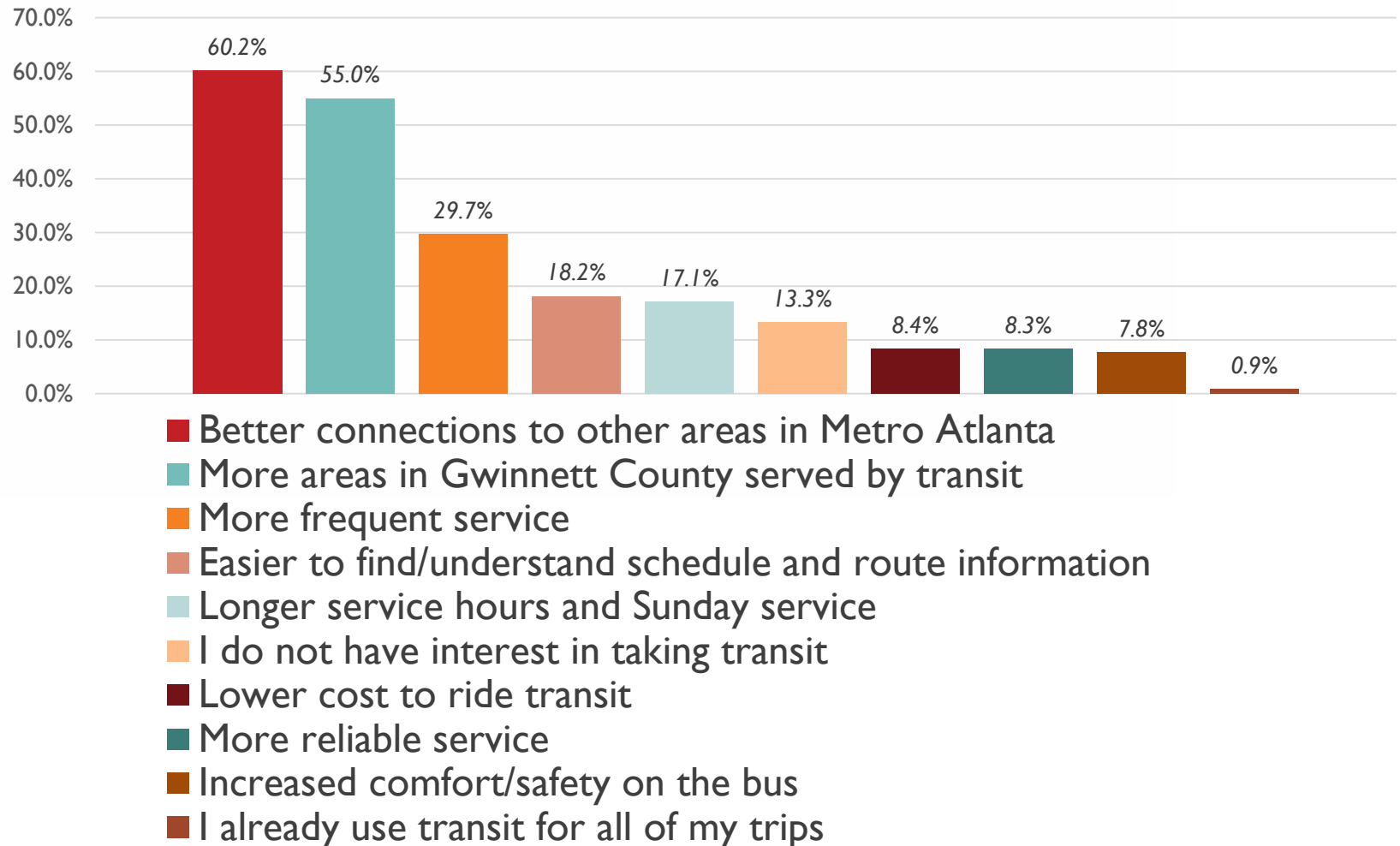
■ Rank 1 ■ Rank 2 ■ Rank 3





Transit Development Plan

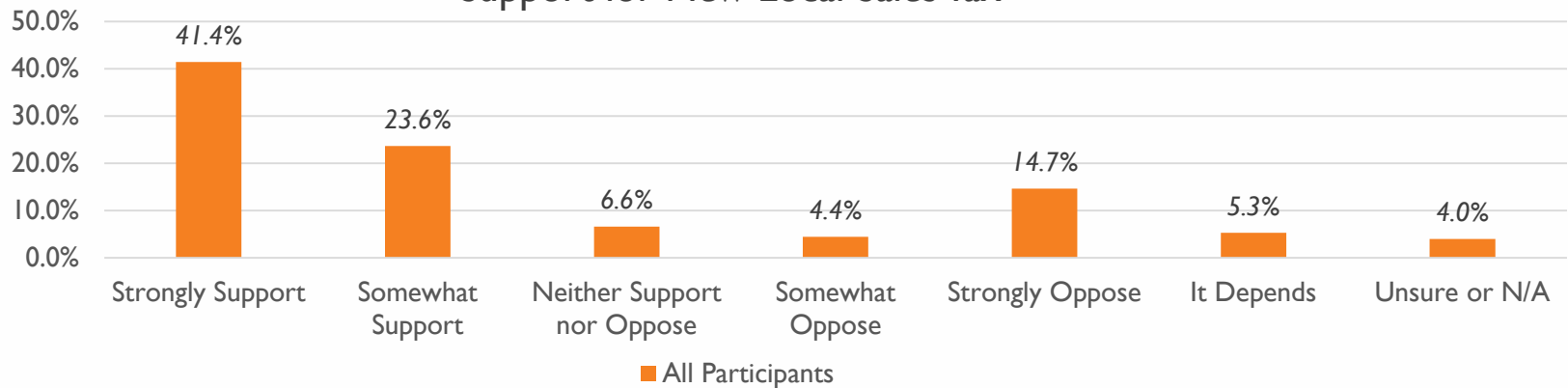
Improvements for More Frequent Use



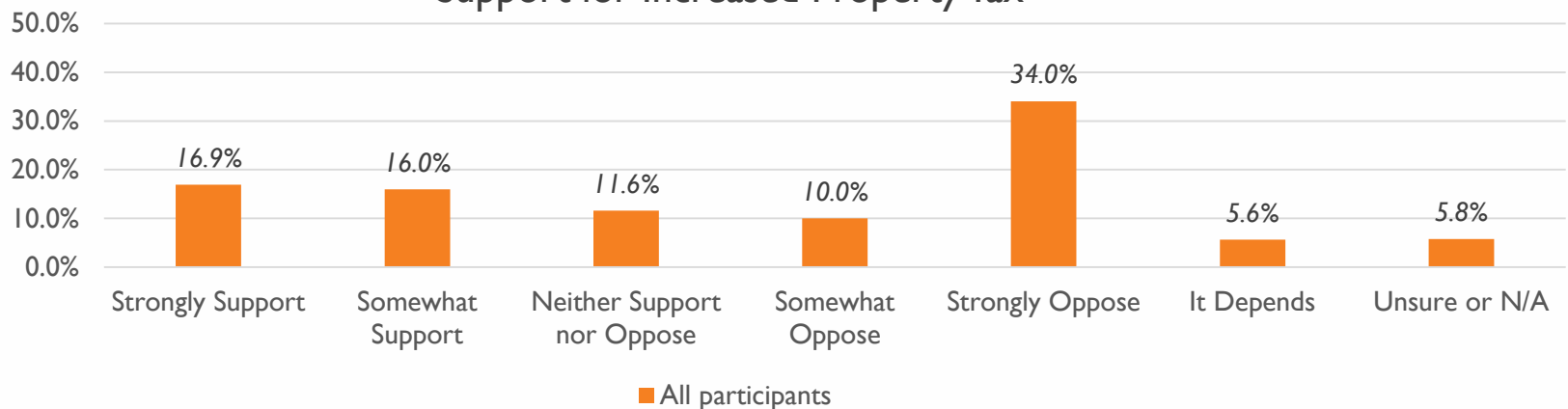


Transit Development Plan

Support for New Local Sales Tax



Support for Increased Property Tax





Transit Development Plan

Transit Modes

Major Investments

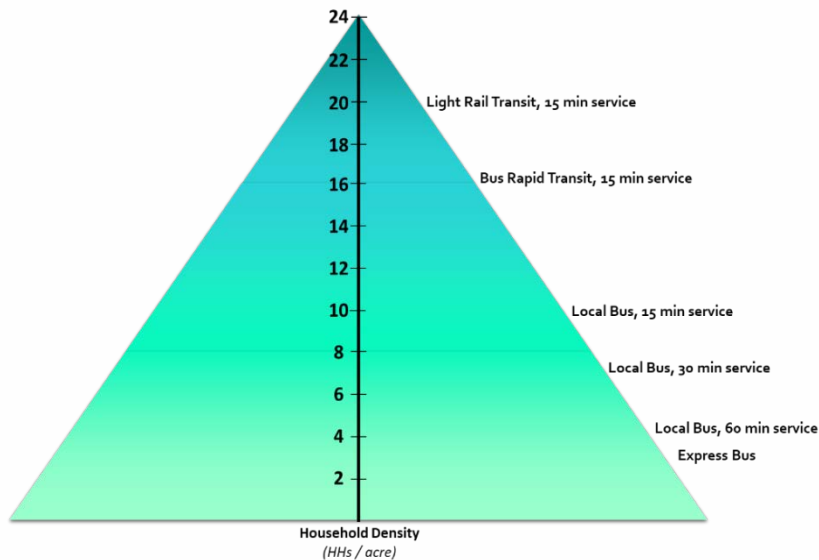
- Heavy Rail
- Commuter Rail
- Light Rail
- Bus Rapid Transit (BRT)

Moderate Investments

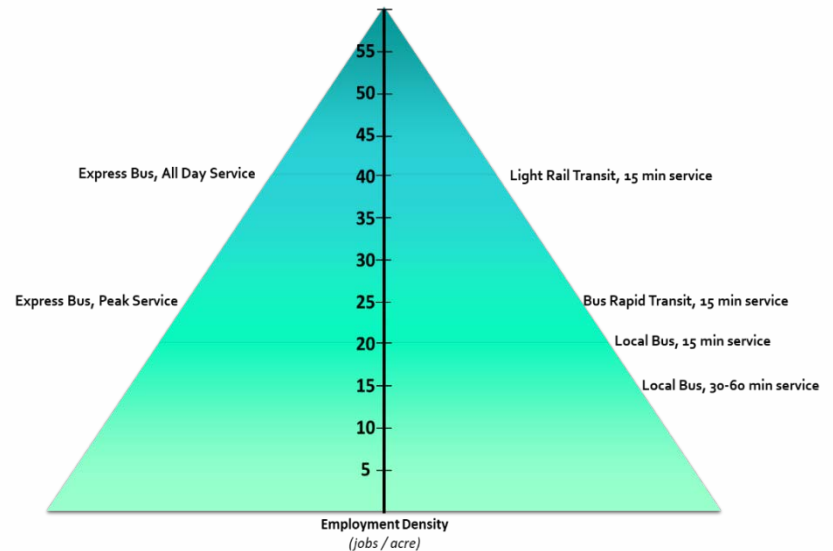
- Rapid Bus
- Express
- Van Pool
- Local
- Flex
- Transportation Network Companies

Transit Development Plan

Transit Service Thresholds for Household Density



Transit Service Thresholds for Employment Density





Transit Development Plan

Major Deliverables

- Existing conditions review
- Short, medium and long-term needs analysis
- List of universe of projects
- Feasibility report with estimated cost to construct and operate community supported investments
- Financial plan including dedicated and potential revenue sources
- Complete plan in 2018

Questions

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