

**Destination2040**

Gwinnett's Comprehensive Transportation Plan

**gwinnett**county

# Comprehensive Transportation Plan

**February 15, 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



## Outreach Opportunities - 12 Public Meetings





## Metro Quest Survey with >5,000 respondents

WELCOME

2

3

4

5

WELCOME

### Gwinnett County Comprehensive Transportation Plan

Gwinnett County invites you to help update its Comprehensive Transportation Plan (CTP), using a community-driven process. The updated plan will summarize current and future multimodal transportation needs within the County and will recommend projects for the next five years and 25 years.



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Gwinnett's Comprehensive Transportation Plan



?

This is just the beginning... This survey is one of many steps to get your feedback, so there will be more opportunities to participate. Your input now will help us prioritize needs across the County as the plan develops.

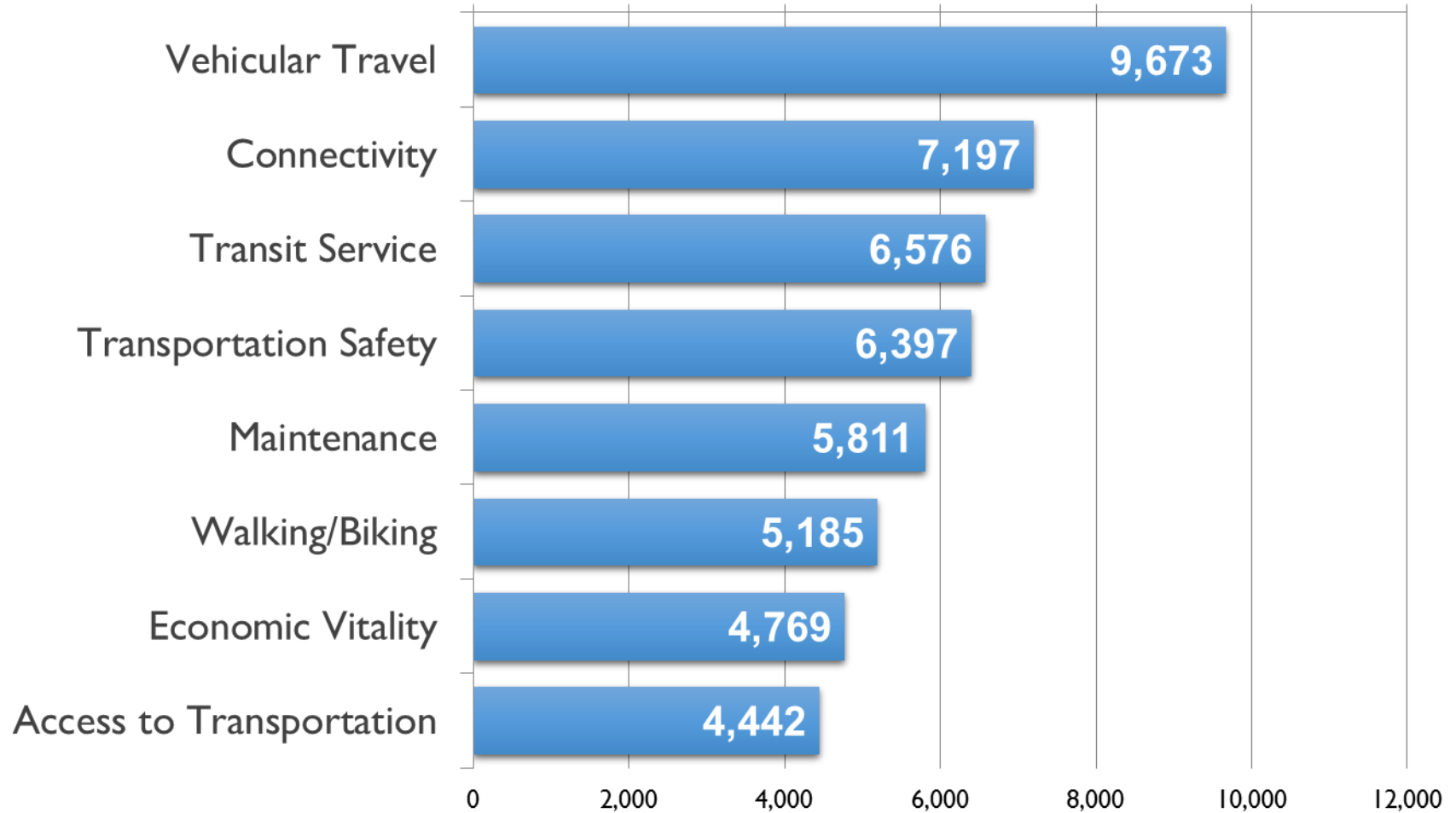
PRIORITY RANKING

SURVEY

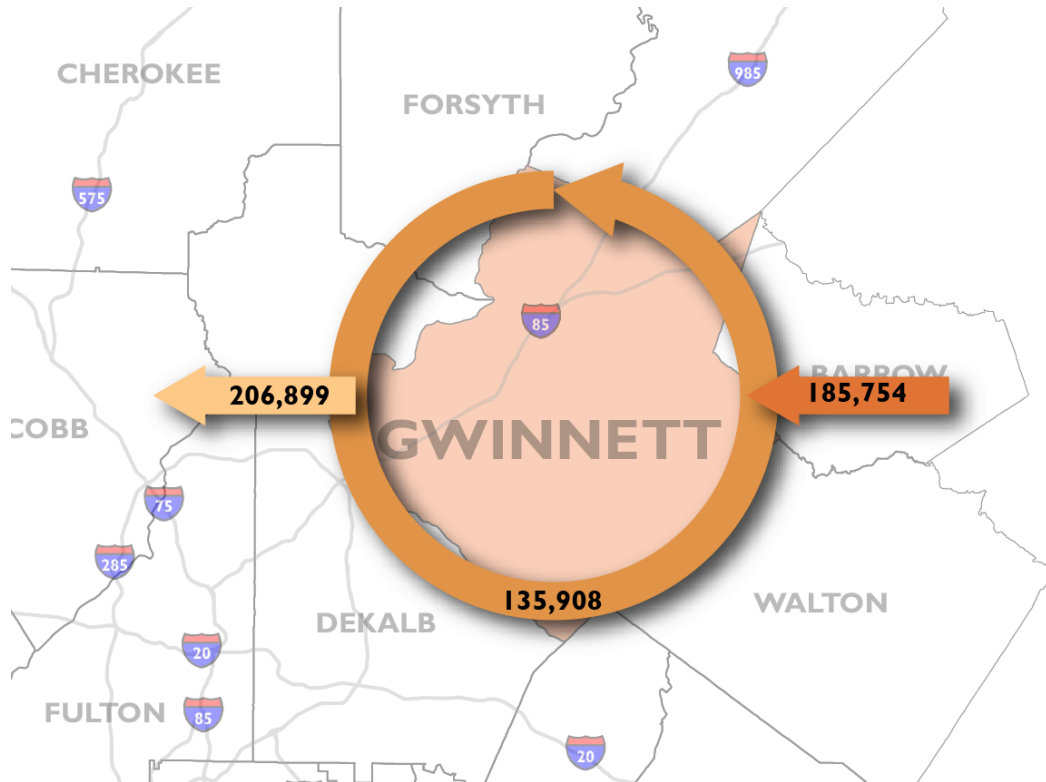
MAP IT!

STAY INVOLVED!

## Citizen Priority Rankings from all outreach



## CTP Demographic Data



**185,754**  
Work in Gwinnett,  
Live outside of Gwinnett

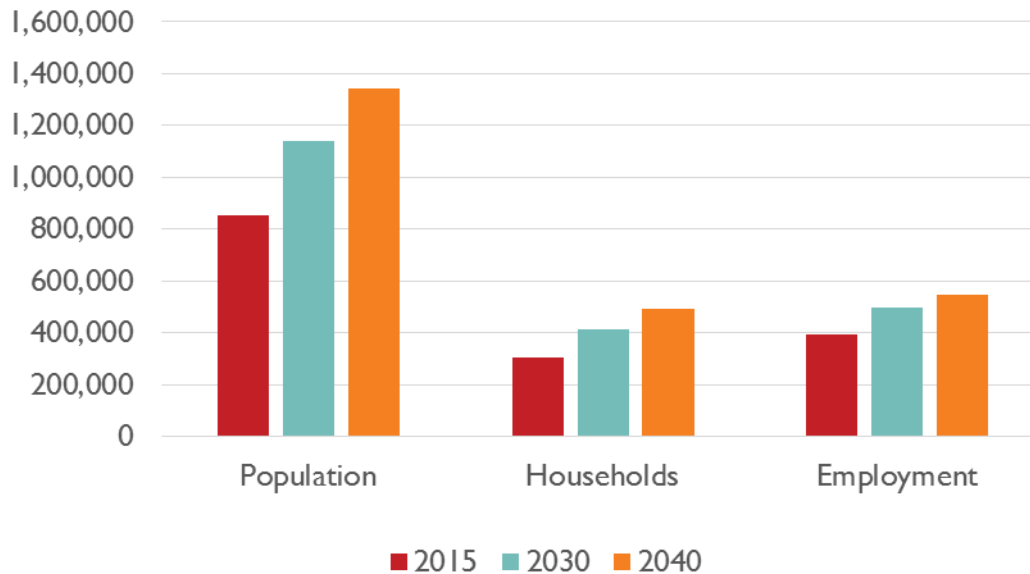
**206,899**  
Live in Gwinnett,  
Work outside of Gwinnett

**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 CTDTP 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                | VMT 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

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| 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                | --                       |
| <b>TOTALS</b>                                   | <b>\$406.863 million</b>   | <b>\$48.6345 million</b> |
| County / City Joint Projects                    | \$30.84577 million         | --                       |
| <b>TOTAL</b>                                    | <b>\$437.70877 million</b> | <b>\$48.6345 million</b> |

## 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

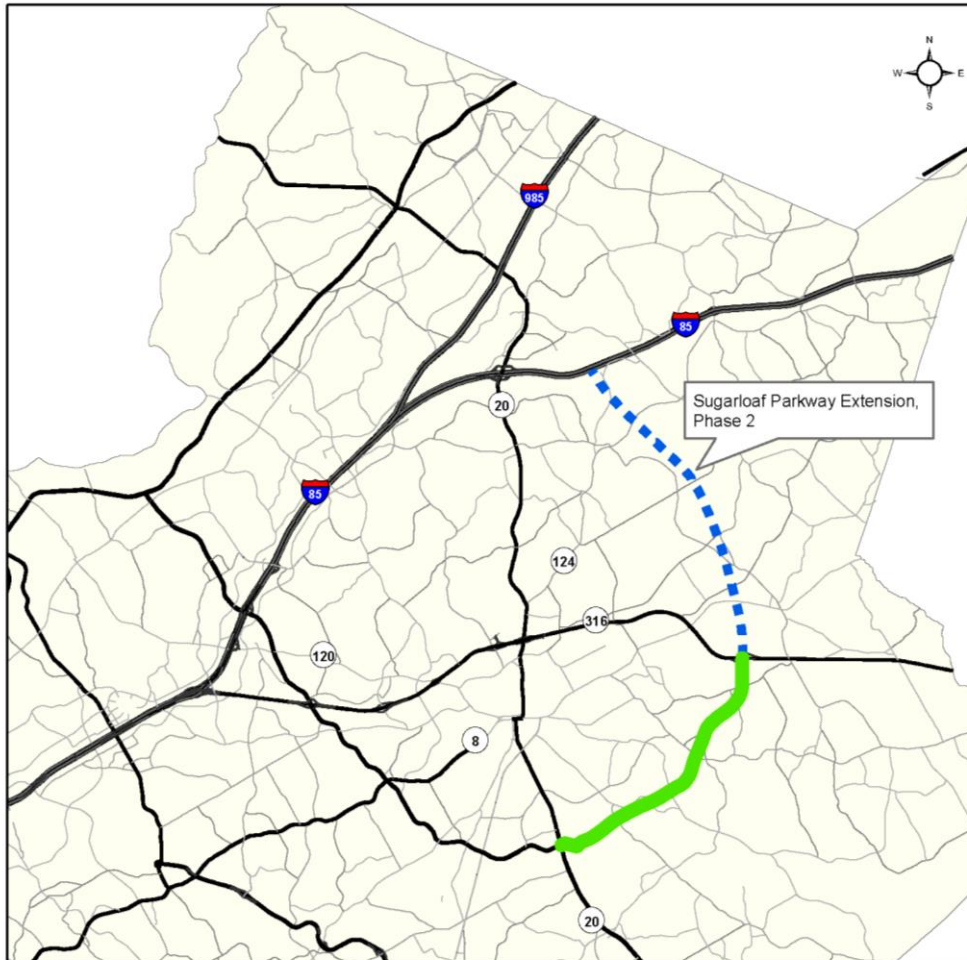


SR 124 / Scenic Highway widening  
US 78 to Sugarloaf Parkway



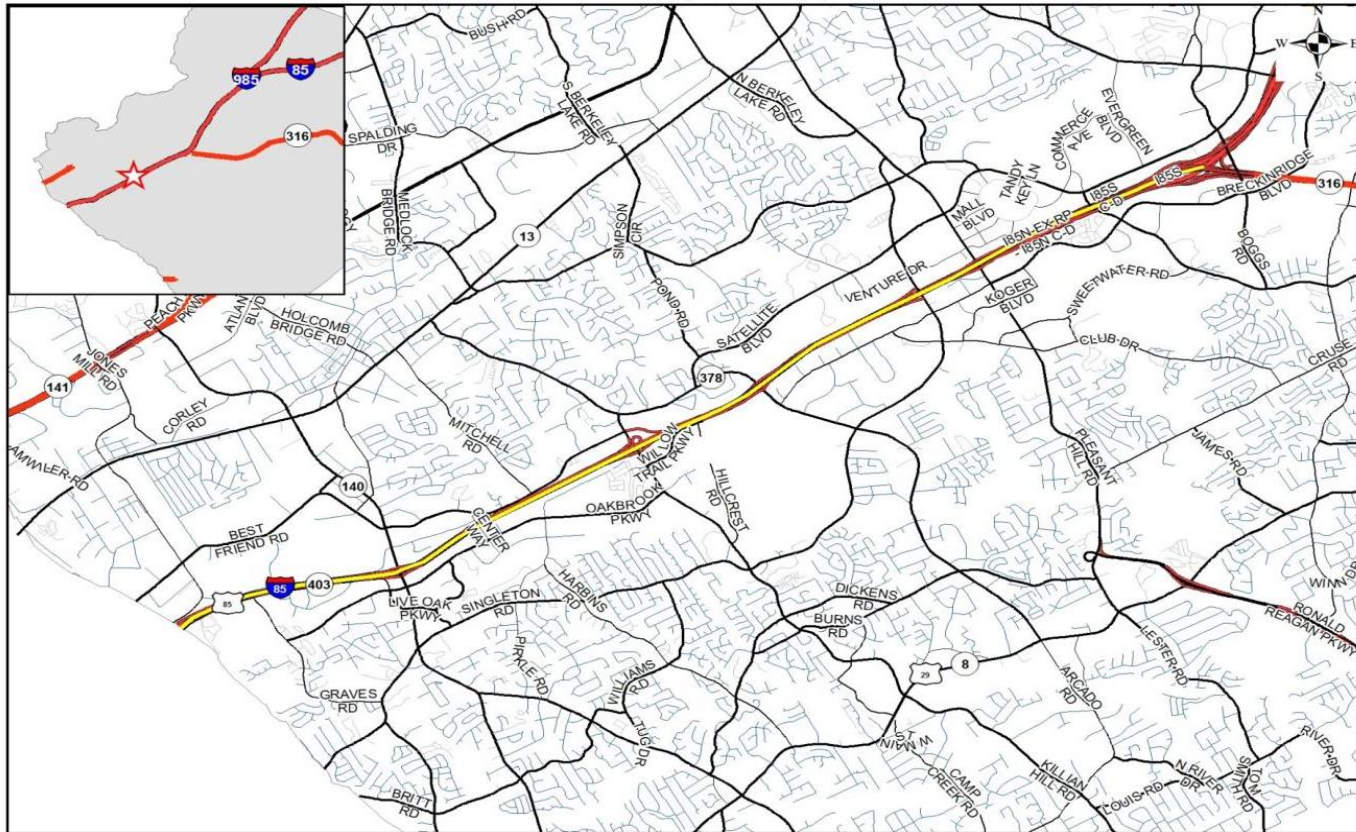


SR 316 at Harbins Road Interchange



## Sugarloaf Parkway Extension Phase II

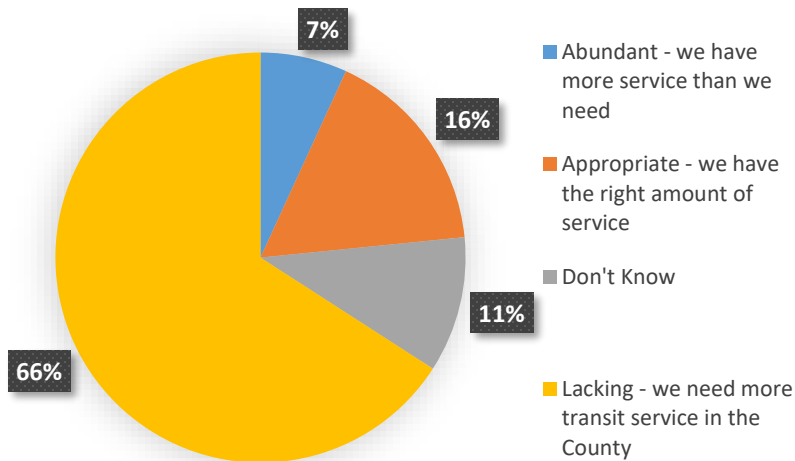




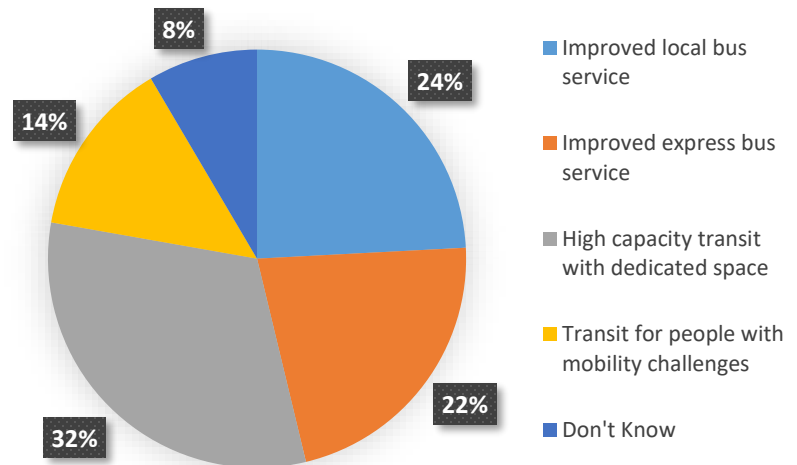
Interstate 85 (north of SR 316 to southern county line)

## 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

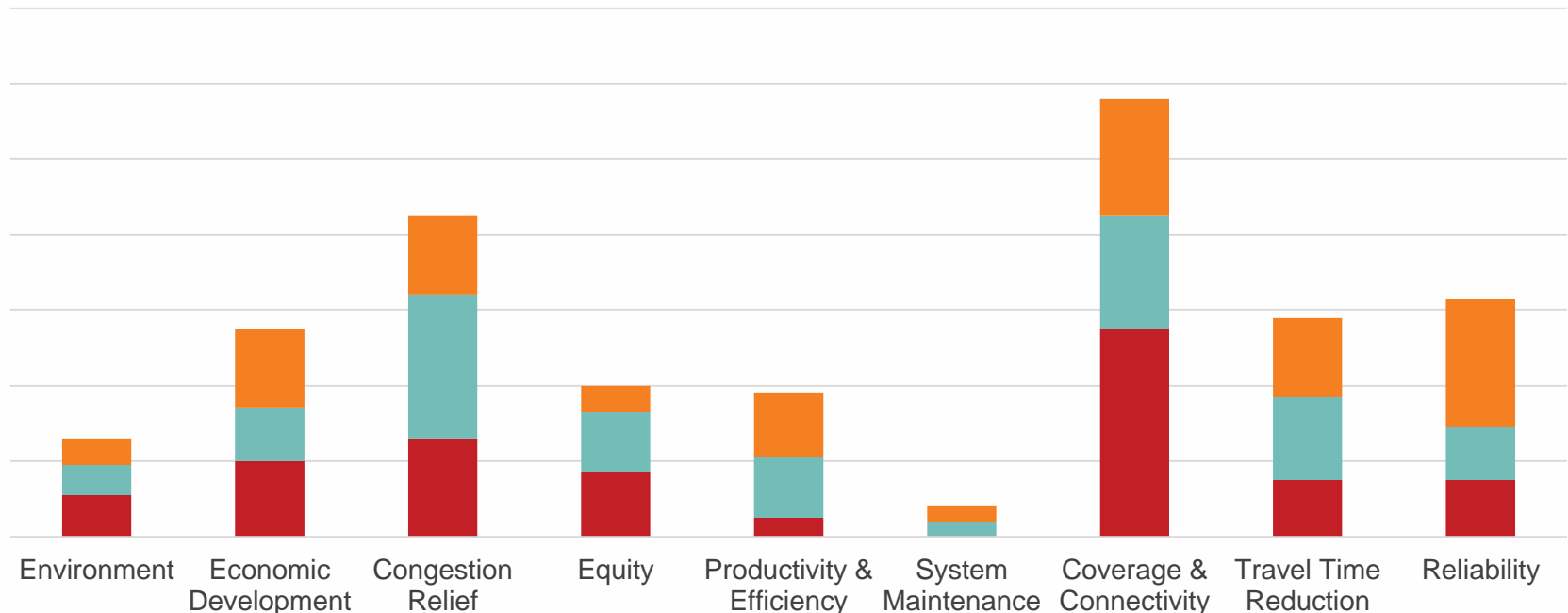
## Public Outreach

### System Goals and Priorities

1. Coverage and Connectivity
2. Congestion Relief

### Priority Pyramids

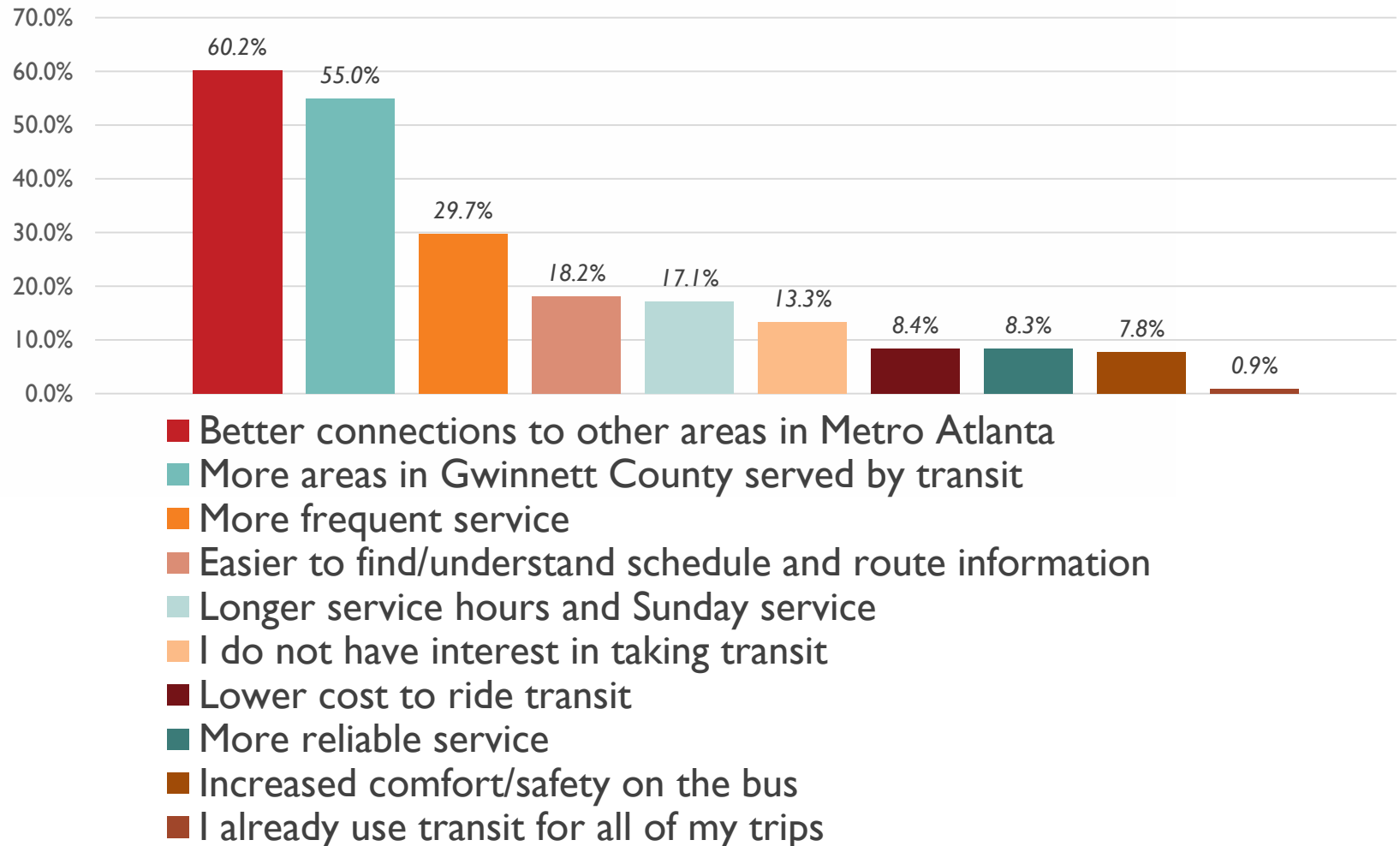
■ Rank 1 ■ Rank 2 ■ Rank 3





# Transit Development Plan

## Improvements for More Frequent Use

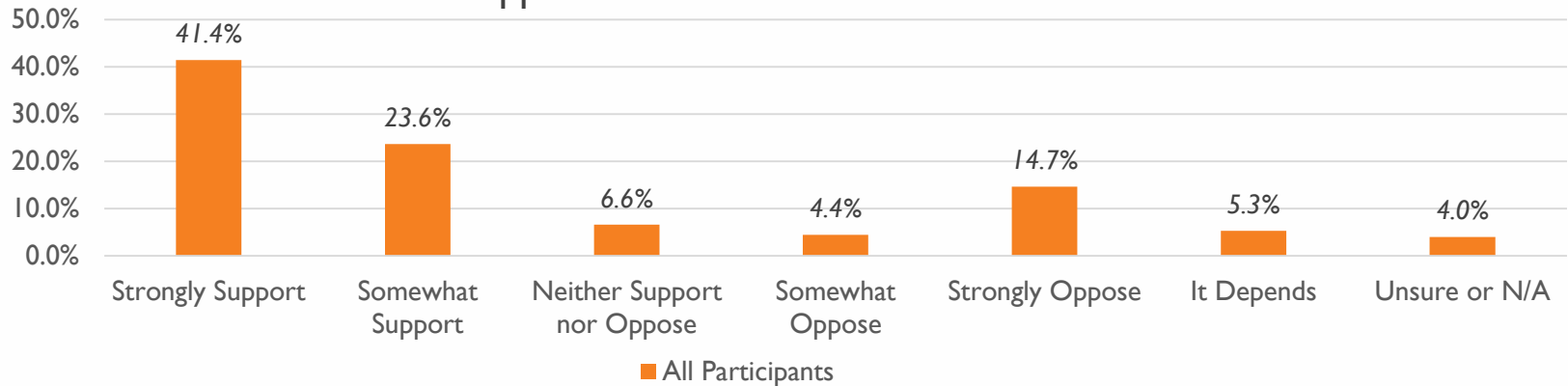




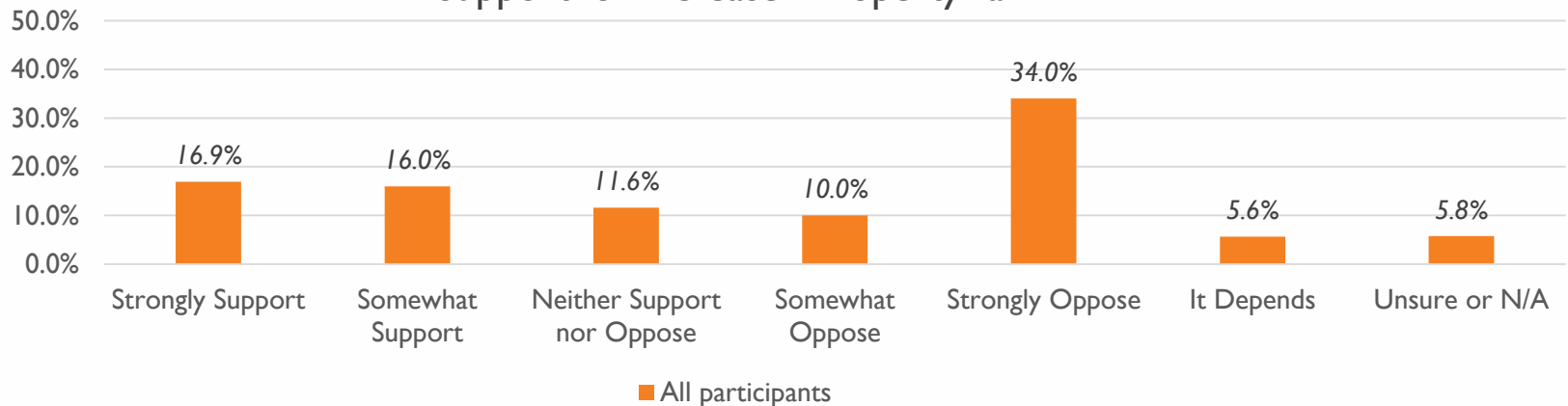


# Transit Development Plan

## Support for New Local Sales Tax



## Support for Increased Property Tax





# Transit Development Plan

## Transit Modes

### Major Investments

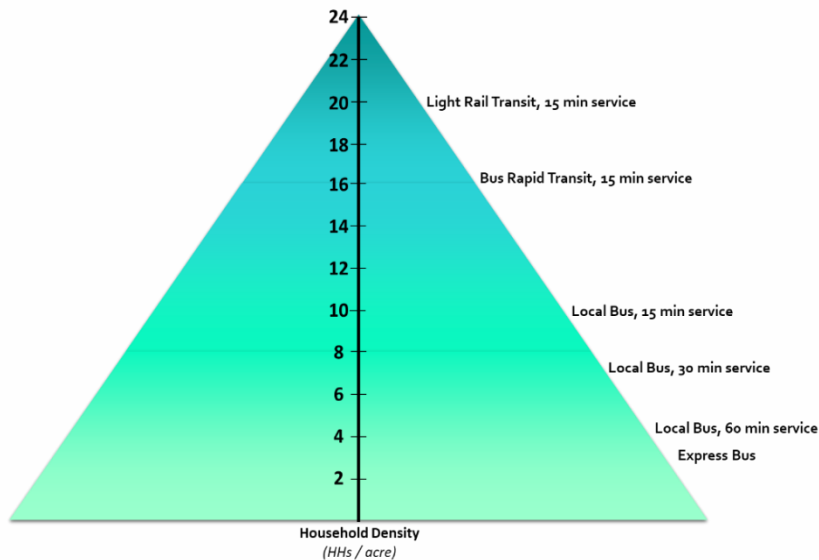
- Heavy Rail
- Commuter Rail
- Light Rail
- Bus Rapid Transit (BRT)

### Moderate Investments

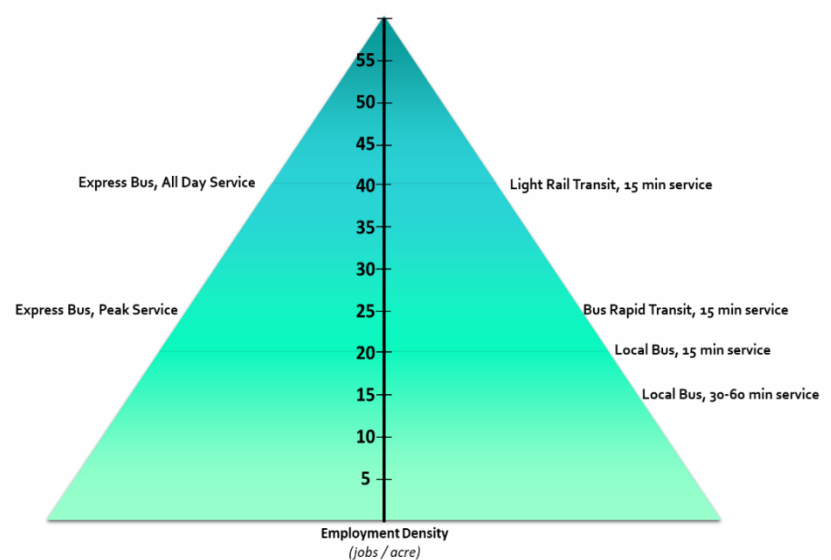
- Rapid Bus
- Express
- Van Pool
- Local
- Flex
- Transportation Network Companies

# 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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