



Southern Fulton County Comprehensive Transportation Plan

Presentation for ARC TCC

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SFCTP Consultant Team



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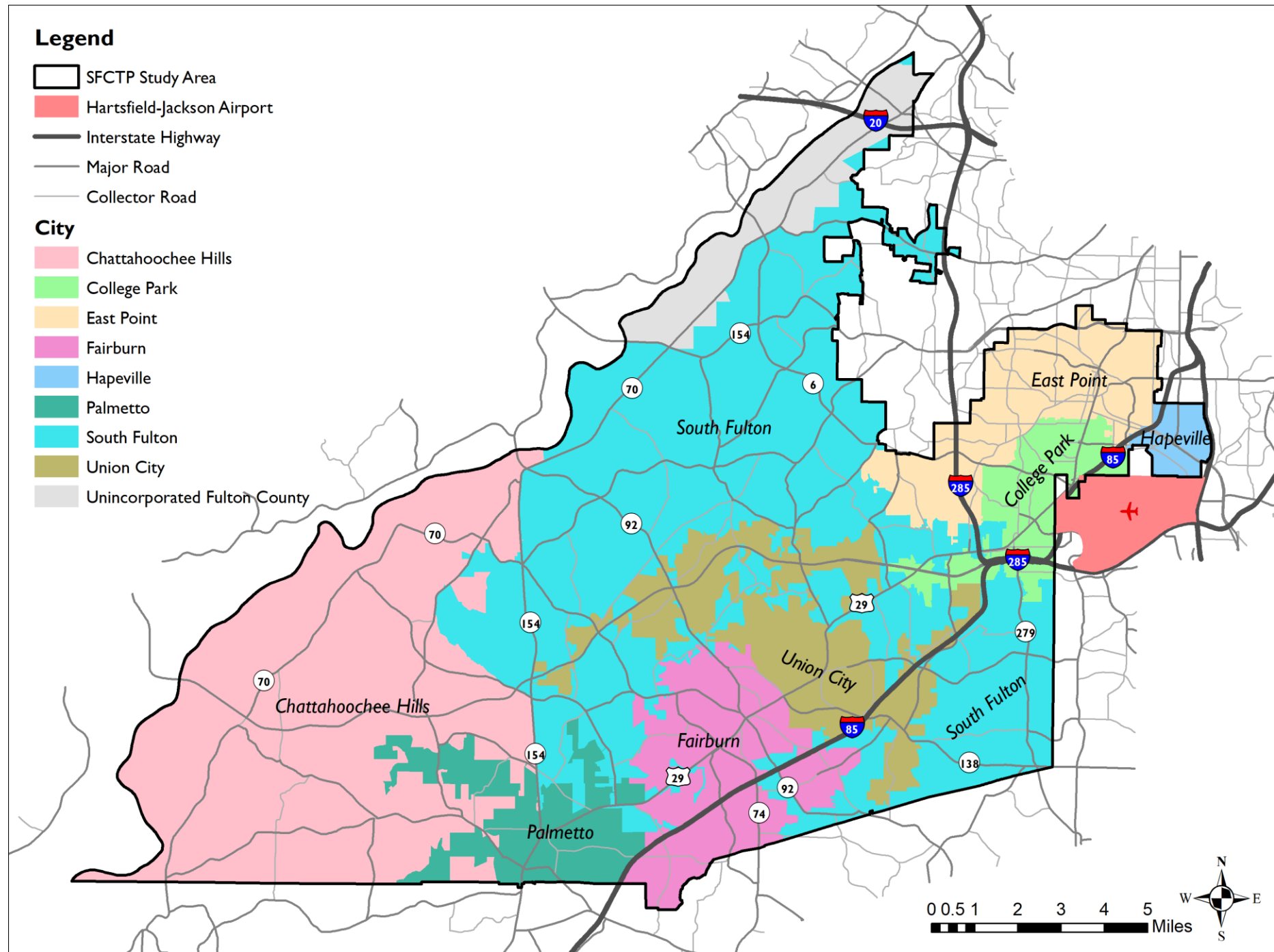


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AECOM
Transit/Bike/
Pedestrians

SFCTP Stakeholders



SFCTP Study Area



What is the SFCTP?

- Southern Fulton Comprehensive Transportation Plan (SFCTP)
- Master list of prioritized transportation projects for 8 cities across all modes providing mobility options for all users
 - Financially Feasible Plan
 - Short-Term (5 years)
 - Mid-Term (10 years)
 - Long Term (10+ years)
- Can be used to:
 - Populate project list for next SPLOST program
 - Apply for federal funding from ARC during project solicitation process



Key Challenges:

1. Balancing the **needs and priorities of 8 jurisdictions**
2. Planning for new and emerging **technologies**
3. Balancing the **competing needs of freight and people** along corridors and dealing with zoning decisions of nearby jurisdictions
4. At-grade **railroad crossing** safety
5. Shortage of **transit amenities** in transit-dependent communities
6. COVID-19 impact on **public engagement**
7. COVID-19 impact on **funding uncertainty**

Challenge #1:

Balancing the needs and priorities of **8 jurisdictions**



Project Prioritization

- Projects were identified based on the Needs Assessment and stakeholder and public input
- The project prioritization evaluation criteria align with the Vision, Goals & Objectives and were developed and refined based on stakeholder and public input
- Specific metrics were identified for each evaluation criteria



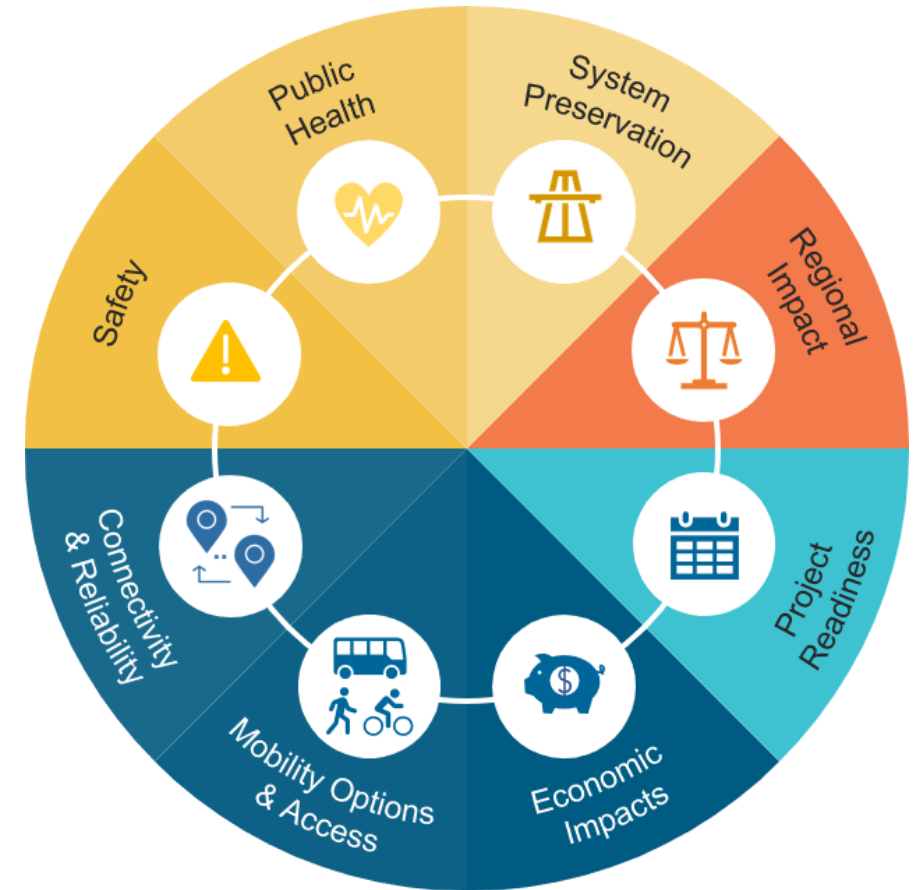
**Refined
Vision**



**Refined
Goals &
Objectives**

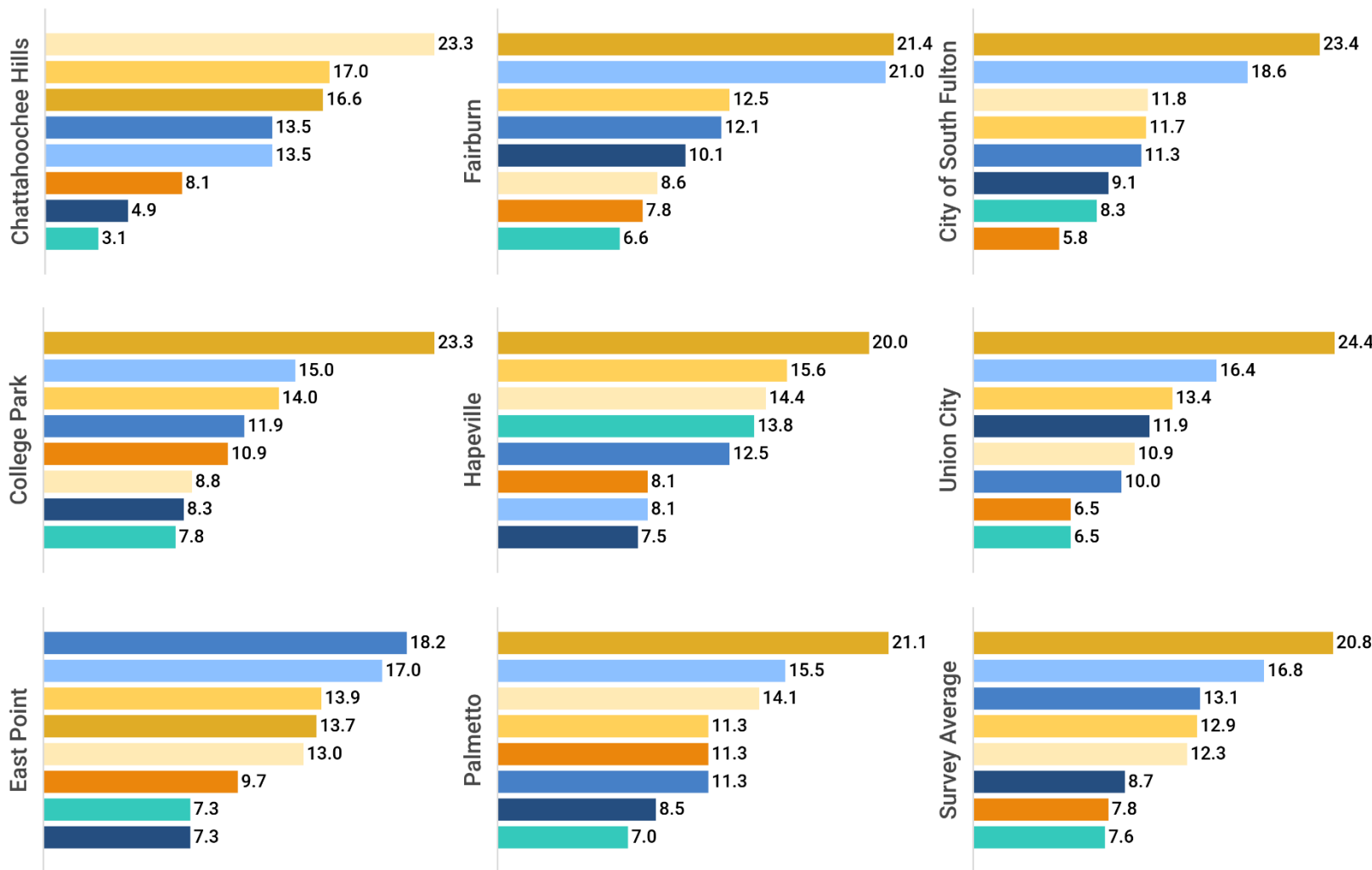
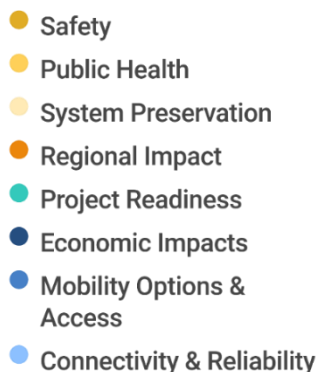


**Weighting
Scenarios**



Accounting for Differing Priorities

- Each city's prioritization weighting was evaluated based on the online survey in which respondents were asked to select their city.
- The average resulted in **Safety** as the top priority, followed by **Connectivity & Reliability** and **Mobility Options & Access**.



Project Prioritization Framework

- 01 Universe of Projects**
List of project ideas based on data needs and stakeholder input
- 02 Raw Score**
Based on the selected metrics
- 03 City Weighting**
Based on survey #1 results by city
- 04 Regional Weighting**
Based on all survey #1 results combined
- 05 Ranking**
Prioritized list of projects in order by combined city and regional score

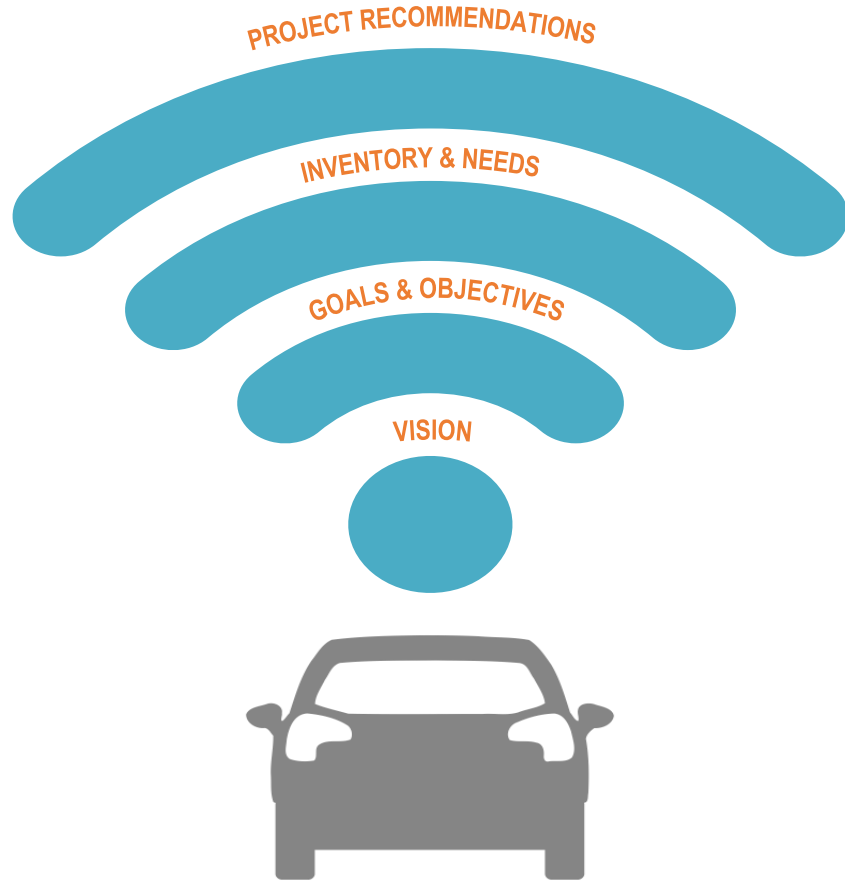


Challenge #2:

Planning for new and
emerging **technologies**



How were new and emerging technologies, and other disrupters, accounted for?



PROJECT RECOMMENDATIONS

- ✓ Identified smart corridor network
- ✓ Project cost estimates include fiber (line itemed) for widening and new construction
- ✓ Installation of communications at traffic signals
- ✓ Signal preemption for emergency vehicles and signal priority for buses and/or trucks on designated corridors
- ✓ Flashing beacons for mid-block pedestrian crossings
- ✓ Bike signals
- ✓ Electric Vehicle (EV) charging locations
- ✓ Reduced funding scenario to reflect disruptors that may impact motor fuel tax revenues such as pandemics, connected and autonomous vehicles, and EVs.

INVENTORY & NEEDS

- ✓ Communications equipment (cellular, Dedicated Short-Range Communications (DSRC), and/or fiber)
- ✓ Smart corridor network

GOALS & OBJECTIVES

- ✓ CVs reflected in Goal #2: Provide a connected and reliable transportation system that operates efficiently supports future growth.
- ✓ CVs reflected in Objective within Goal #2: Promote innovative approaches for reducing congestion and promoting travel time reliability across multiple modes.

VISION

- ✓ CVs reflected in “connected” transportation infrastructure to support mobility options and economic growth.










Challenge #3:

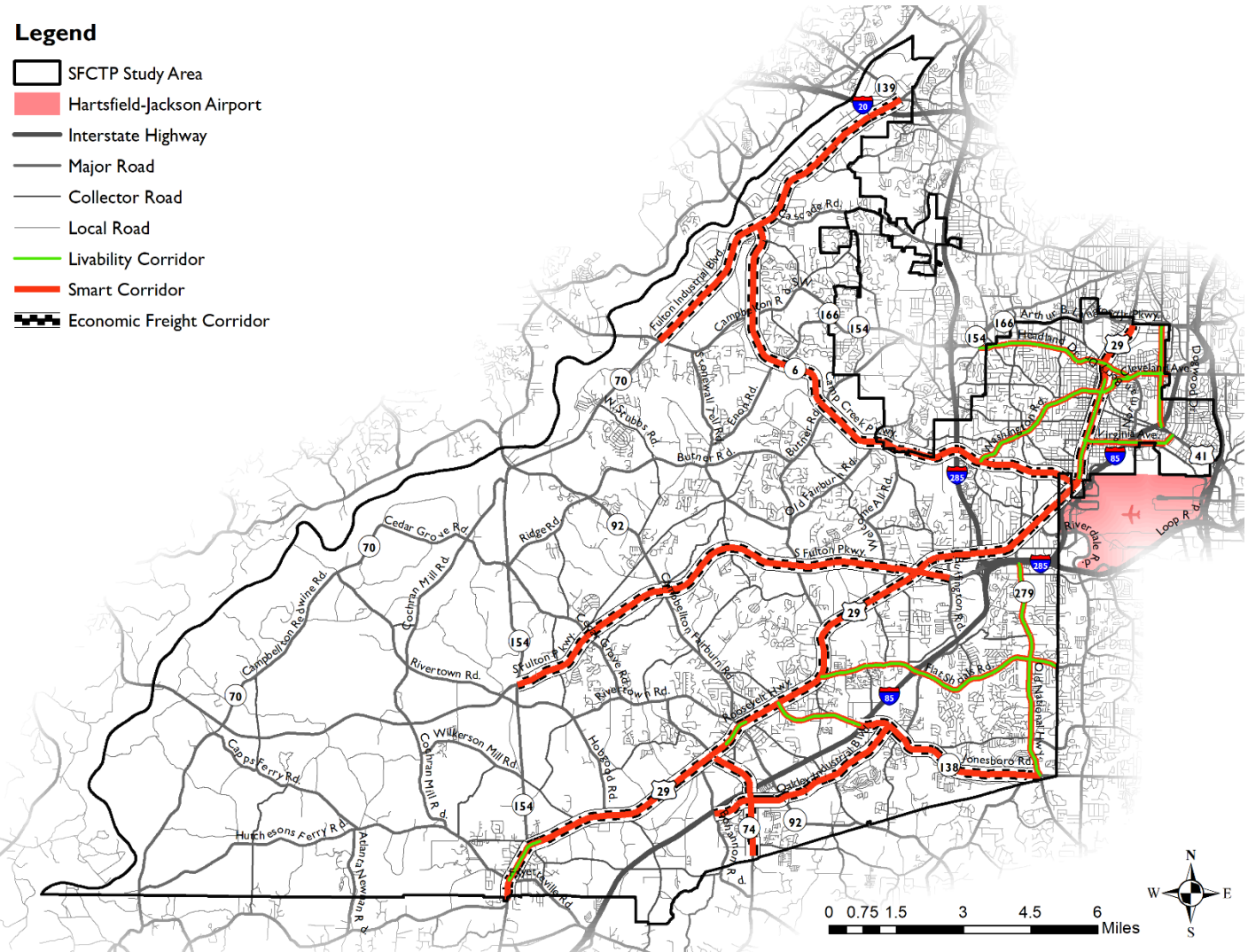
Balancing the **competing needs of freight and people** along corridors and dealing with zoning decisions of nearby jurisdictions



Accounting for Differing Users

Legend

-  SFCTP Study Area
-  Hartsfield-Jackson Airport
-  Interstate Highway
-  Major Road
-  Collector Road
-  Local Road
-  Livability Corridor
-  Smart Corridor
-  Economic Freight Corridor



A UNIQUE ASPECT OF THE SFCTP WAS THE DEVELOPMENT OF A CORRIDOR FRAMEWORK FOR CONSIDERATION DURING FUTURE LAND USE AND ZONING DECISIONS AND TO FOCUS THE TYPES OF TRANSPORTATION IMPROVEMENTS ALONG THE CORRIDOR BASED ON THE INTENDED USES.



Smart Corridors

Corridors where technology upgrades are most beneficial for improved safety and operations.



Livability Corridors

Corridors with commercial, residential, and mixed-use land uses, and activity centers. These corridors have high bicycle, pedestrian, and transit volumes.



Economic Freight Corridors

Corridors where projects focus on improving freight and economic activity. These corridors have heavy commercial vehicle volumes and industrial land uses.

Improvements by Corridor Type

SMART

- Signal priority (transit and/or freight)
- Emergency vehicle signal pre-emption
- Adaptive signal control technology
- Larger traffic signal cabinets to fit new technology
- Transit-pedestrian warning systems
- Pedestrian Hybrid Beacons (PHBs)
- Rectangular Rapid Flashing Beacons (RRPBs)
- Bike signal detection
- Railroad crossing information
- Smart street lighting
- Automated traffic monitoring/object detection
- EV charging stations
- Automated parking systems
- Automatic license plate readers
- Driverless shuttles

LIVABILITY

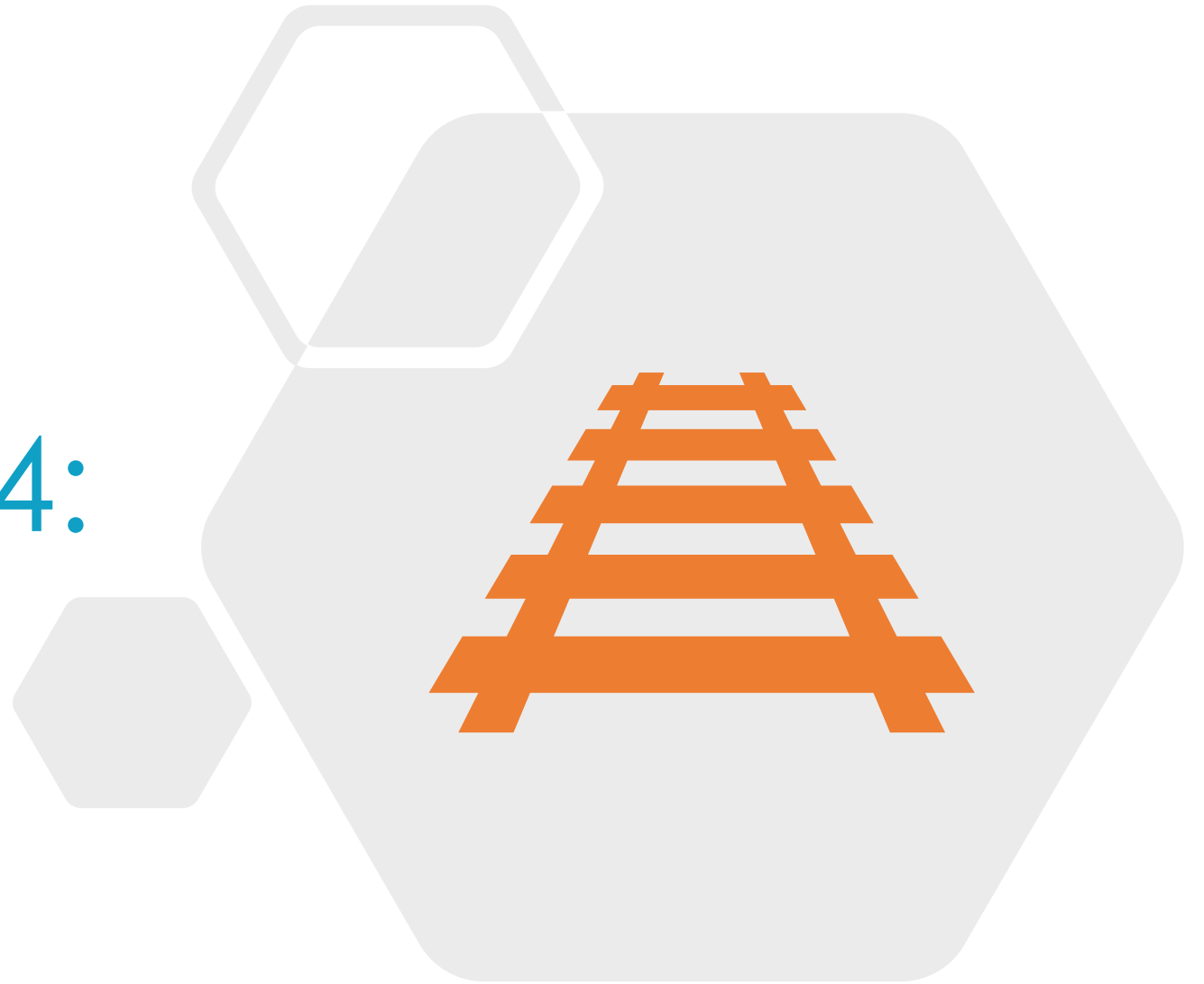
- Bicycle facility improvements (e.g., bike lanes, bike parking, bike signal detection)
- Pedestrian crossing improvements (e.g., sidewalks, crosswalks, mid-block crossings, pedestrian refuge islands)
- Bus stop amenities (addition of bus shelters or existing bus shelter enhancements (e.g., solar bus shelters), seating, lighting, trash receptacles, etc.)
- Wayfinding/digital wayfinding
- Public Wi-Fi
- Streetscape improvements (e.g., trees, landscaping, benches)
- Loading/unloading zones for ride hailing (e.g., Uber, Lyft)
- Parking

ECONOMIC / FREIGHT

- Freight signal priority during off-peak hours
- Truck parking
- Raised medians
- Shoulders
- Design modifications
- Intersection improvements
- New connections
- Widening
- Interchange modifications
- New interchange(s)

Challenge #4:

At-grade **railroad crossing**
safety



At-Grade Railroad Crossings

- Observations and public input found that at-grade railroad crossings were a concern
- **Short-term:** traffic signal system communications to predict train arrivals and durations; CV infrastructure and communications equipment to broadcast arrival and event duration to emergency vehicles and motorists
- **Long-term:** Grade-separated railroad crossings in high volume areas



Challenge #5:

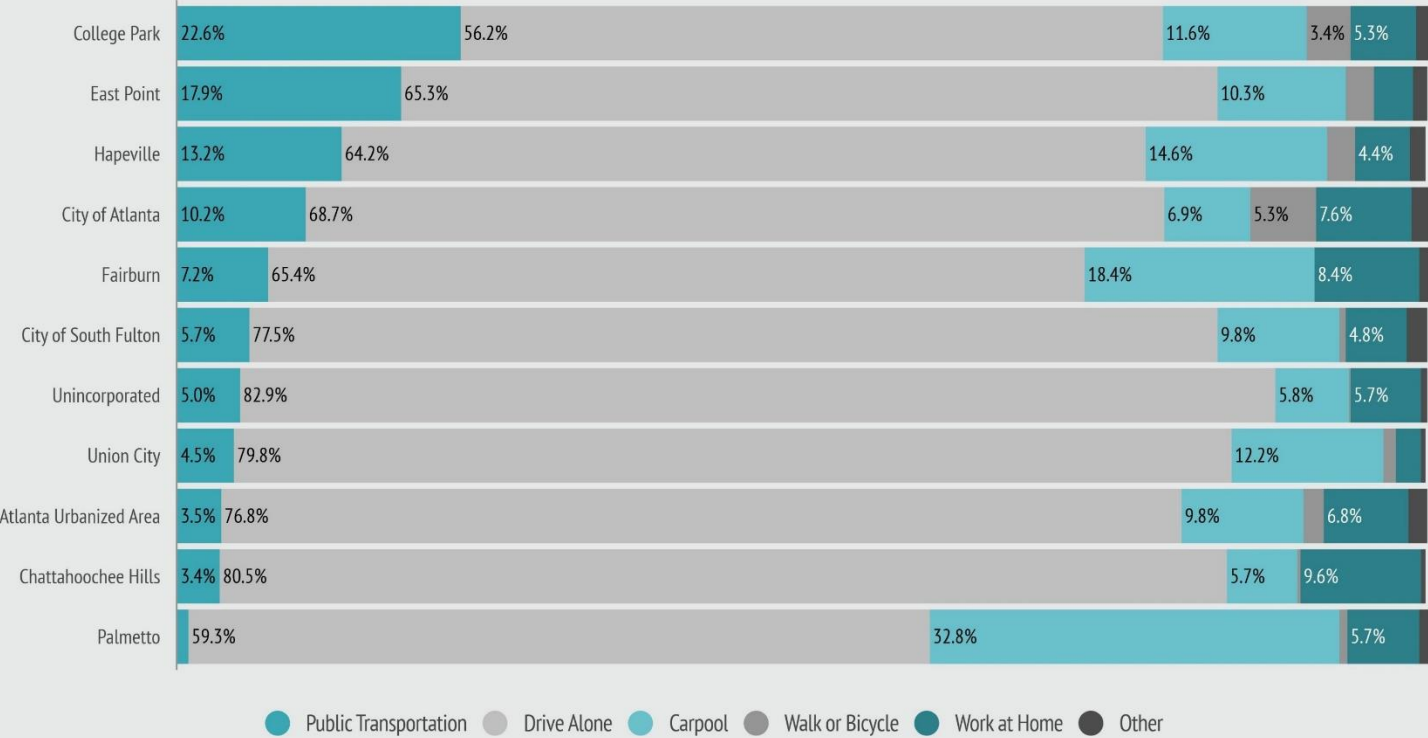
Shortage of **transit amenities** in transit-dependent communities



Lack of Transit Amenities

Did you know?

Higher percentages of residents commute to work by **public transportation** in most southern Fulton cities than in the Atlanta Urbanized Area. In College Park, East Point, and Hapeville, the percentages are greater than in the City of Atlanta.



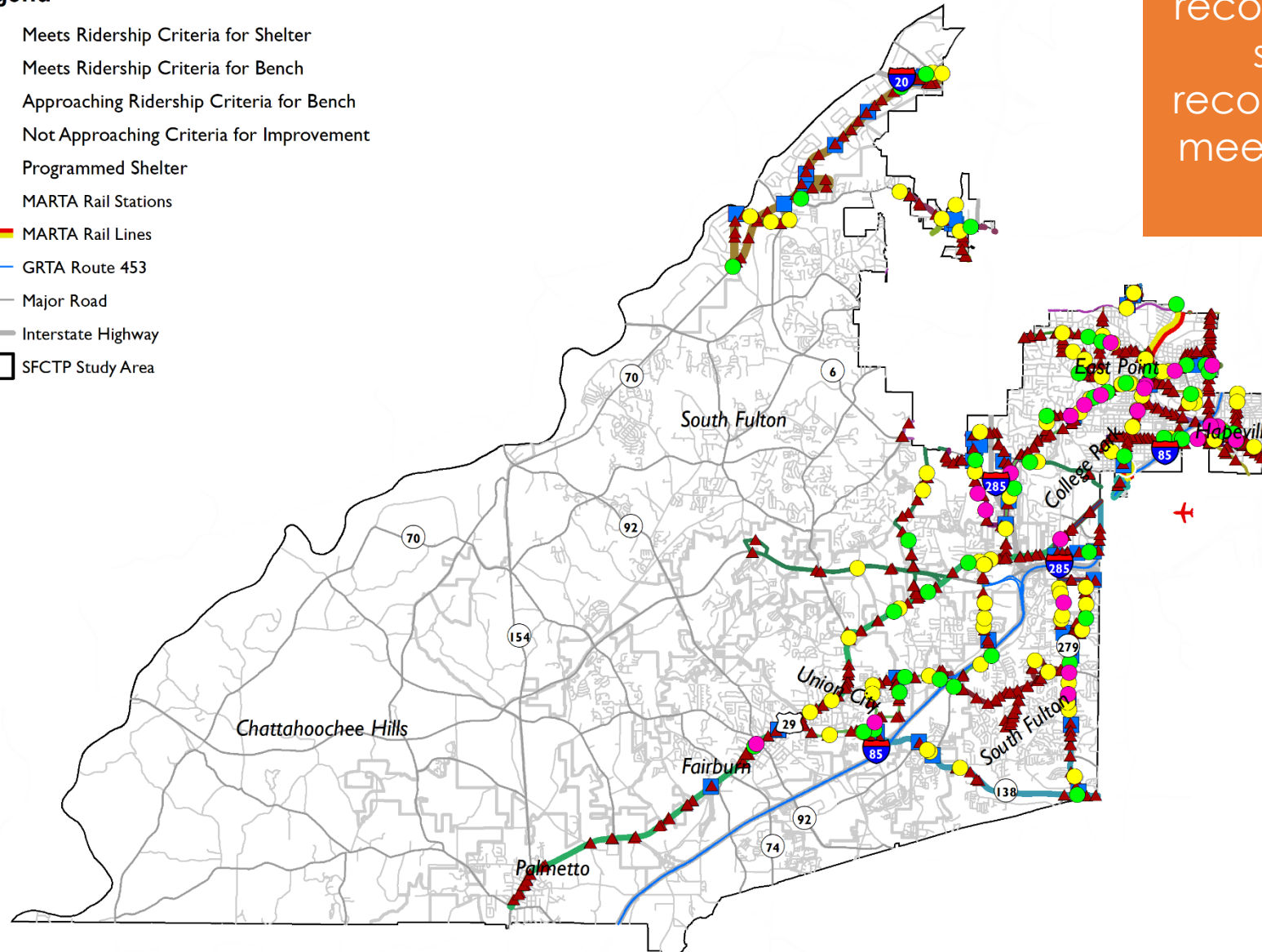
Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates



Bus Stop Analysis

Legend

- Meets Ridership Criteria for Shelter
- Meets Ridership Criteria for Bench
- Approaching Ridership Criteria for Bench
- ▲ Not Approaching Criteria for Improvement
- Programmed Shelter
- MARTA Rail Stations
- MARTA Rail Lines
- GRTA Route 453
- Major Road
- Interstate Highway
- SFCTP Study Area



Benches and trash receptacles recommended at ALL stops; Shelters recommended where meet ridership criteria (pink)

Challenge #6:

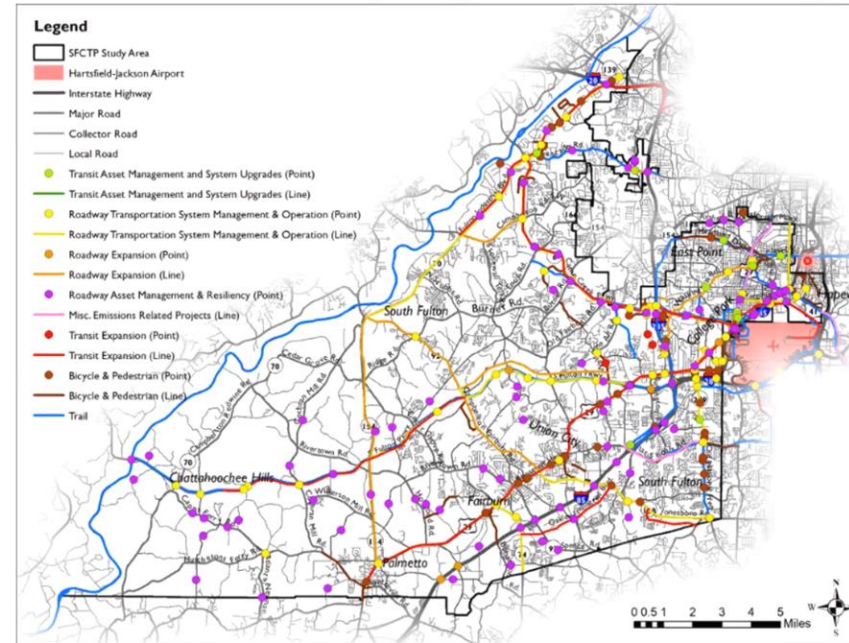
COVID-19 impact on
public engagement



COVID-19 Impact on Public Engagement

- Switched to online engagement via online meeting and webinars
- All in-person and virtual public meetings livestream on social media
- Over 4,000 views of the 11 public meetings!
- Flyers within food boxes provided to individuals and households affected by the pandemic

Where are the new projects in the region?



And we also have a video of how to use it on our project website on the home page as well so we encourage you if you forget how to do

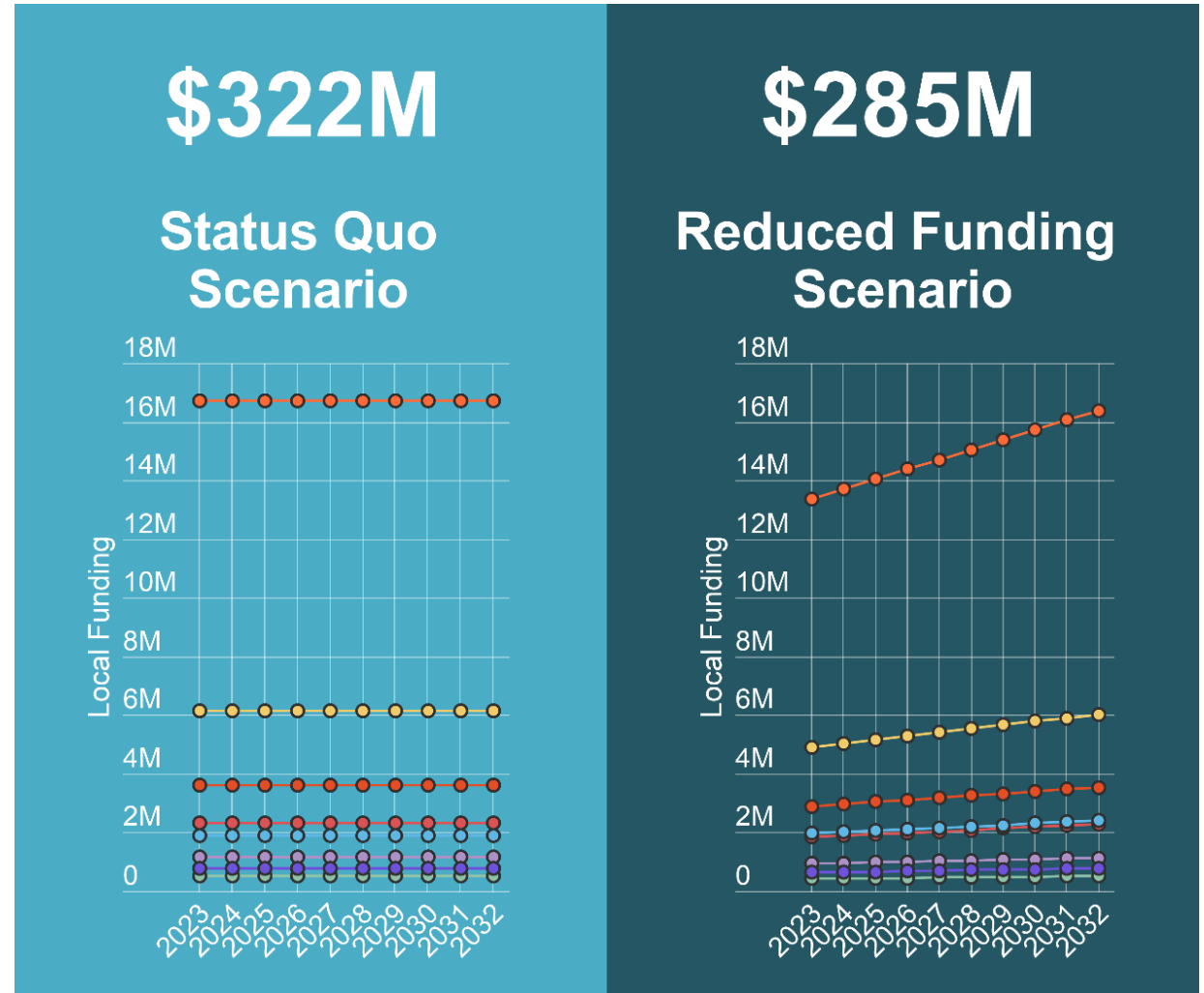
Challenge #7:

COVID-19 impact on
funding uncertainty



COVID-19 Impact on Funding Uncertainty

- Two **alternate funding scenarios** address factors that may affect future funding availability
- Status Quo:** local annual funding remains the same
- Reduced Funding:** local funding is reduced by 20% in 2023 and that reduction tapers off, returning to previous level over 10 years



● Chattahoochee Hills ● College Park ● East Point ● Fairburn ● Hapeville
● Palmetto ● South Fulton ● Union City



www.southernfultonctp.org



Questions?

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