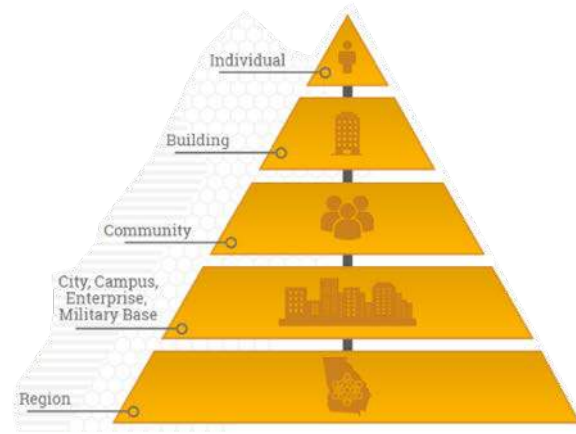
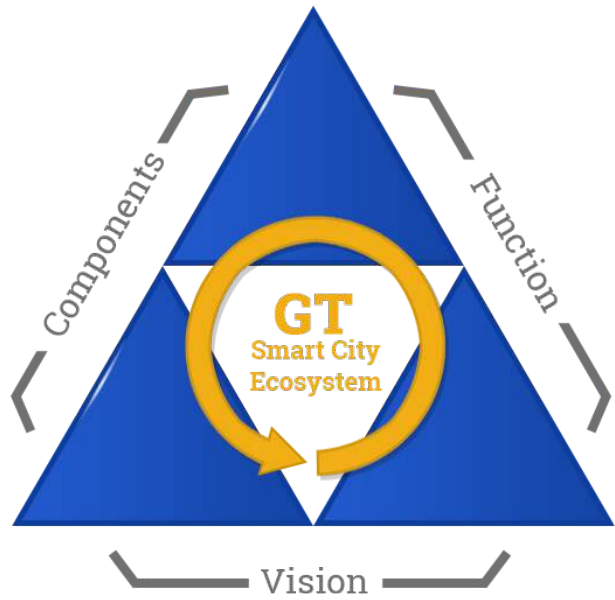


GA Smart Communities Challenge

Georgia Planning Association

Debra Lam

27 March 2019



GT Smart Cities and Inclusive Innovation Framework

All communities can be smart

- How to translate to other governments and geographies?
- What are known solutions and new challenges at different scales and jurisdictions?
- How to bridge the various socio-economic gaps, disparities, and discrepancies?



Not NAFTA, but dafter

Farewell to John McCain

Lessons from Singapore's schools

Cryptocurrencies: a spent force

City-University Partnership



The Georgia Smart Communities Challenge is a first-of-its-kind grand challenge for communities of any size in the state of Georgia to receive funding and support to empower their smart future.

- To spur smart community development throughout GA
- To position GA as a smart community leader

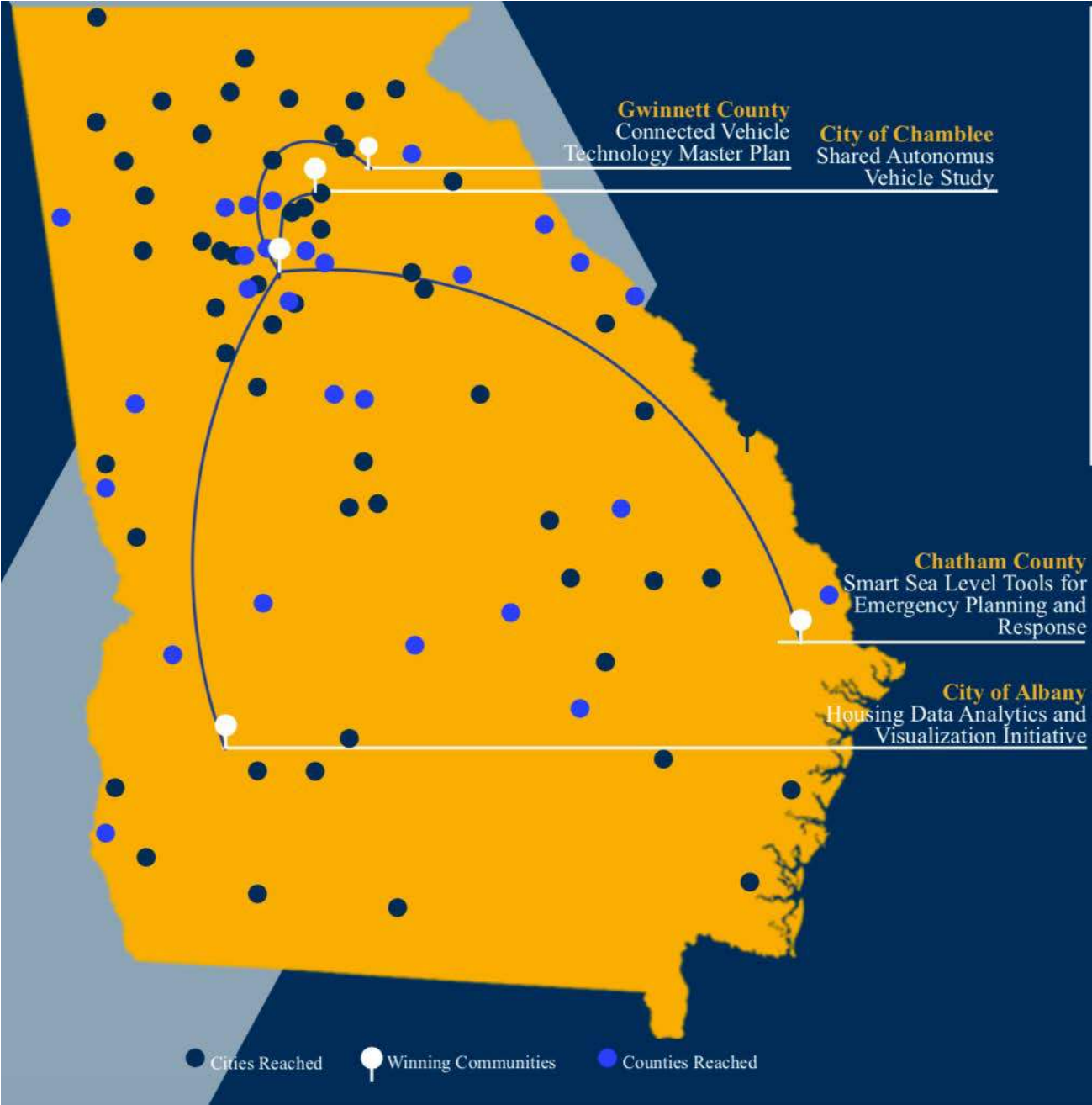




Atlanta Regional Commission



GA SMART



Projects

Chatham County

City of Savannah, Creative Coast

Improve flood warnings, emergency response action plans, flood predictions for future flood events

- Test a pilot sensor network for sea level flood risk during natural disasters
- **Kim Cobb, School of Earth & Atmospheric Science**

City of Albany

Dougherty County, DCA, Initiative for Community Housing, Fight Albany Blight

Improve measurement of public funds allocation, neighborhood infrastructure

- Evaluate an automated housing registry to support property inventory management
- **Omar Issac Asenio, School of Public Policy**

Gwinnett County

GDOT, Cities of Berkeley Lake, Duluth, Norcross, Suwanee

Improve connectivity, safety, quality of life

- Evaluate traffic management technologies for improved vehicle mobility
- **Angshuman Guin, School of Civil and Environmental Engineering**

City of Chamblee

City of Doraville, MARTA, Assembly CID, Stantec

Reduce road congestion, increase pedestrian and traveler safety, improve community equity

- Study mobility improvements using AVs which travel from MARTA stations into the community
- **Ellen Dunham-Jones, School of Architecture**



Midterm Progress Reports

- Projects underway with active research and stakeholder engagement
- Innovative ways to use technology and data to advance goals
- Local and national attention
- Opportunities for additional research and funding



Challenge projects are the seed



GA Smart Community Playbook

- Best practices and learnings distilled from all four communities
- Accessible to all GA Communities and beyond

M E N U

Making A Civic Smart City

How do cities run?

[learn more](#)

Atlanta Community Engagement Playbook

The Atlanta Community Engagement Playbook is designed for those with a shared interest in building successful engagement processes and reaching higher levels of community engagement. Higher levels of engagement mean that residents own and take leadership over civic change, rather than just observing or even providing feedback. Strong engagement is built on dialogue with a natural push and pull. This playbook has been designed to mirror that constructive process. It is meant to help service providers and community associations lead successful and collaborative engagements.

Download the [Playbook](#)

Download the [Action Guides](#)

Read the [Frequently Asked Questions](#)

Developed over an 18-month community-led research and design process, the Playbook was built with input from residents, community associations, City department staff, and service providers. Together, we identified a set of guiding principles and concrete plays that will facilitate genuine and inclusive engagement for all

GEORGIA SMART



Georgia Smart Community Corps

Smart technology and data can shape and improve the communities around us.

Are you compelled to use your Georgia Tech education for public service?

The Smart Community Corps may be for you!

- Paid full-time summer fellowship for undergraduate or graduate students
- Create livable, equitable communities through smart tech and data implementation

smarcities.ipat.gatech.edu/georgia-smart-community-corps



Atlanta Regional Commission





Civic Data Science

Drs. Ellen Zegura and Chris Le Dantec

2019 GA Smart Communities Challenge



Enhanced Partnership:

1. Similar Programming
 - GT funded research
2. ARC Livable Centers Initiative
 - Communities submit proposals directly to ARC
 - Mobility and Equity
3. GA Smart w/ Georgia Power Funded Grants
 - Open to all of Georgia
 - Smart Resilience



March 29th Community Growth Workshop

8:30am- Welcome and Introductions



9:00am – 10:15am- Key Panel- How smart cities foster community growth?

10:30am-12:15pm- Community Presentation/Panel

- Chatham County
- City of Chamblee
- City of Albany
- Gwinnett County
- Economic and Community Development Team, GA Power (Moderator)

12:30- 1:15pm- Lunch

1:15pm- 4pm- Dual Tracks for Workshop

- Track 1- GA Smart Communities on Data
- Track 2- GA Communities-

Outreach and Impact

5

webinars



25+

speaking events



By Denisea Patton / September 29, 2017

Georgia Tech Researchers Speak at ARC's ConnectATL Summit

2000+

subscriber network



September 2018 eNewsletter



40+

national and local news articles



Programming

7 events with
over **60**
speakers and
500+
attendees



Chamblee Mayor Eric Clarkson @ GA Smart Workshop

Upcoming:

29 March- Community Growth Workshop

17 April- Gwinnett Site Visit

23 April- Indian Smart Cities

9 May- Omar Issac Asensio Webinar

16 May- Savannah Site Visit

June- Winner Announcement





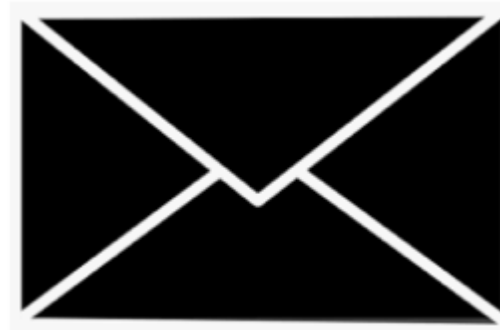
“I am particularly thrilled about staff working with their GT research partner to help us **challenge the status quo, make bold recommendations, experience and adapt technology**. Together, using a **smart risk approach**, we can implement a traffic system which is at the cutting edge of what is possible with recent scientific advances.”

Charlotte Nash, Gwinnett County Board of Commissioners Chairman

GEORGIA SMART



smarcities.gatech.edu/georgia-smart



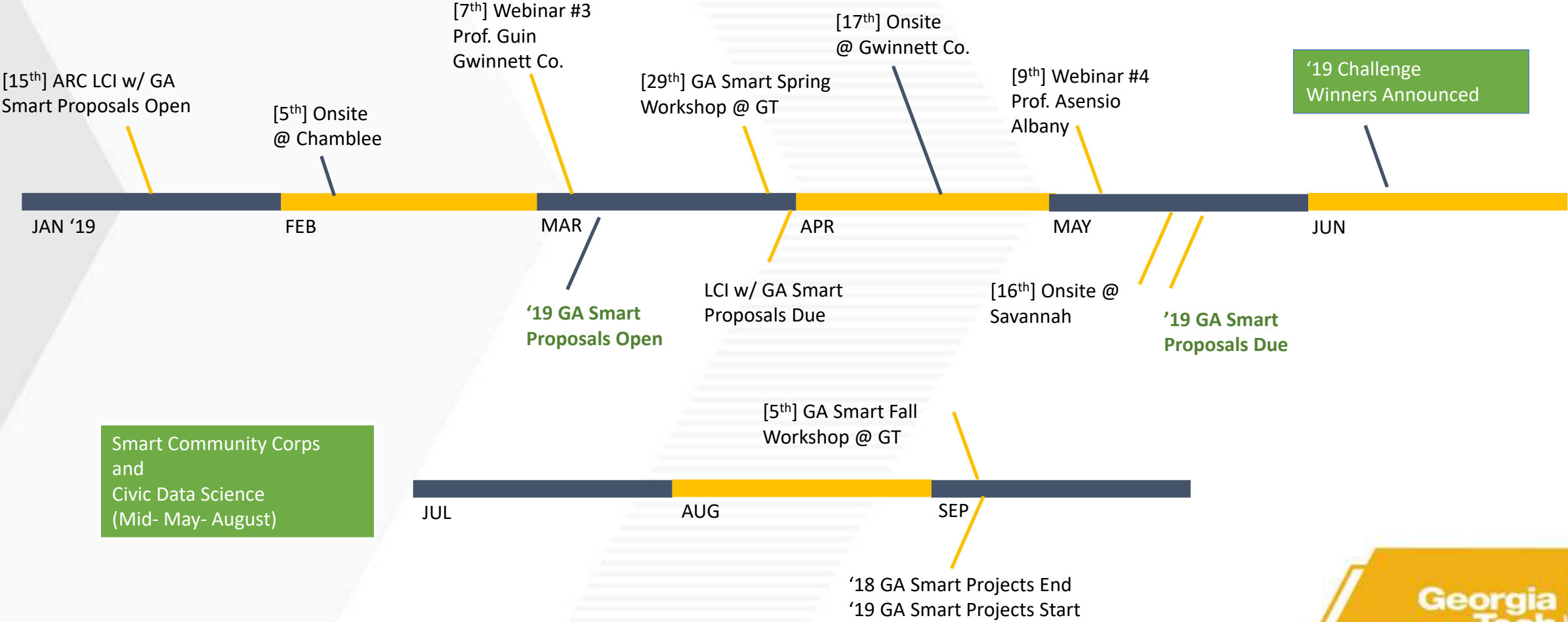
scii@gatech.edu



[@GtScii](https://twitter.com/GtScii)

GEORGIA SMART COMMUNITIES CHALLENGE

Timeline





Smart Community Initiatives

GPA Spring Conference
March 27, 2019

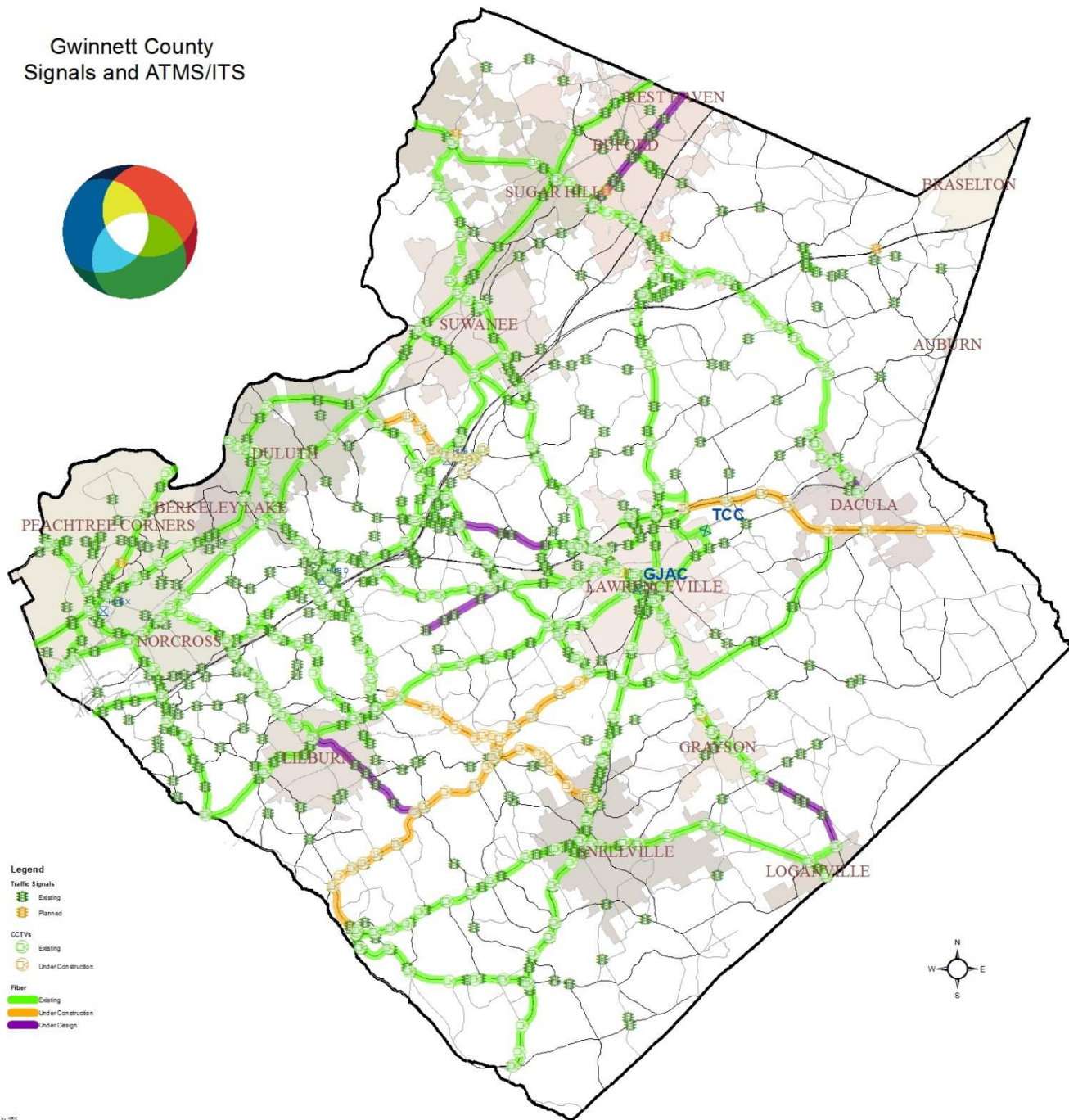
Agenda



- Background
 - Gwinnett County
 - Connected Vehicles (CV)
 - Georgia Connected Vehicles Activities
- Gwinnett Connected Vehicle Technology Master Plan
- Five Year Plan
- Smart Corridor Deployment



Background



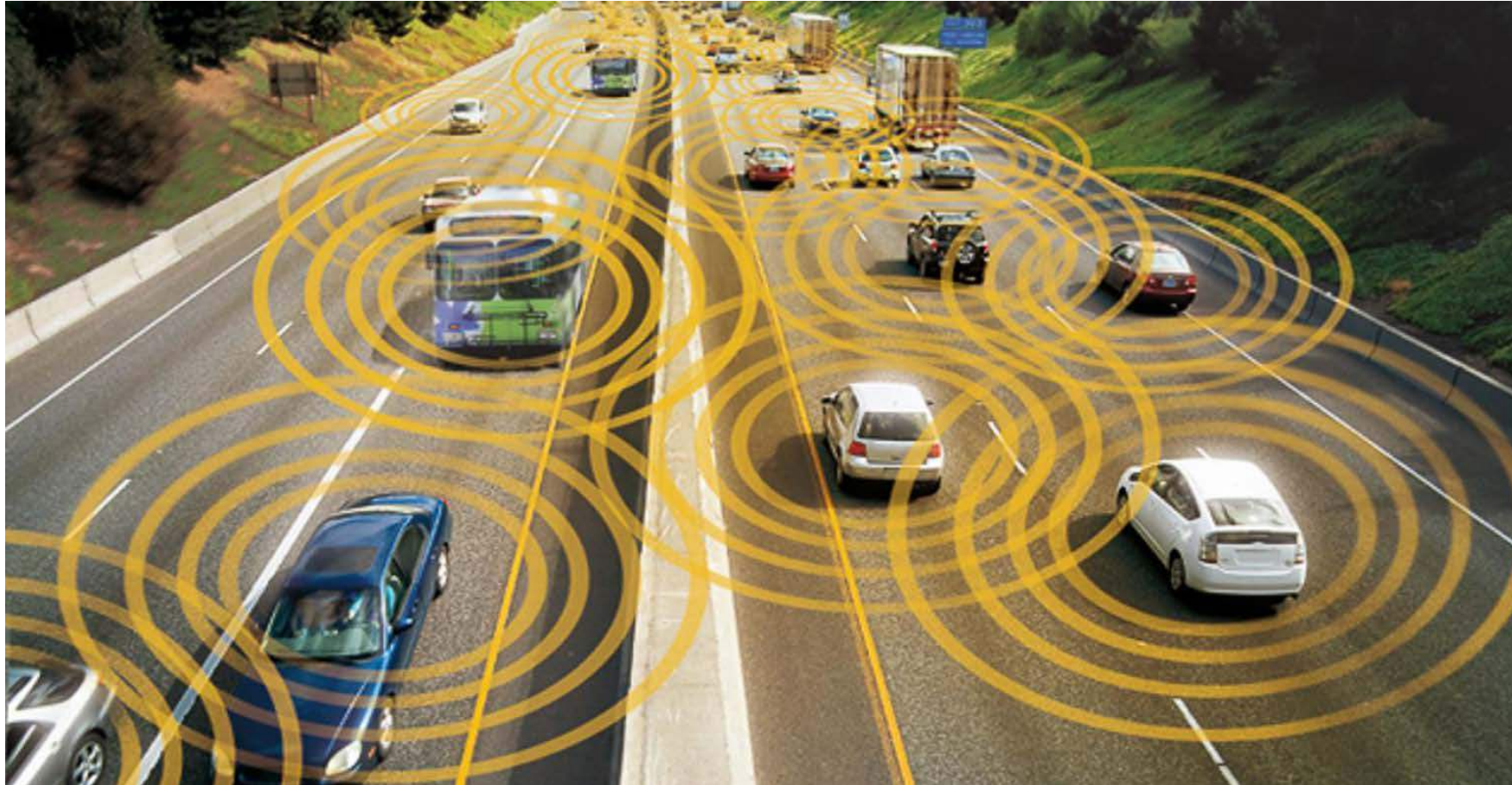
- 726 Traffic Signals
- Over 550 communicate with TCC
- Over 230 miles of fiber optic cable
- More than 260 CCTV cameras
- Over 220 flashing beacon locations
- Continued Expansion of Advanced Traffic Management System

School Zone Beacon Upgrade

- 1st Smart Community project for GCDOT
- Current system installed in 2016
- Procured by a request for proposal process
 - Upgraded to two-way communications equipment
 - Moved to a cloud based software solution

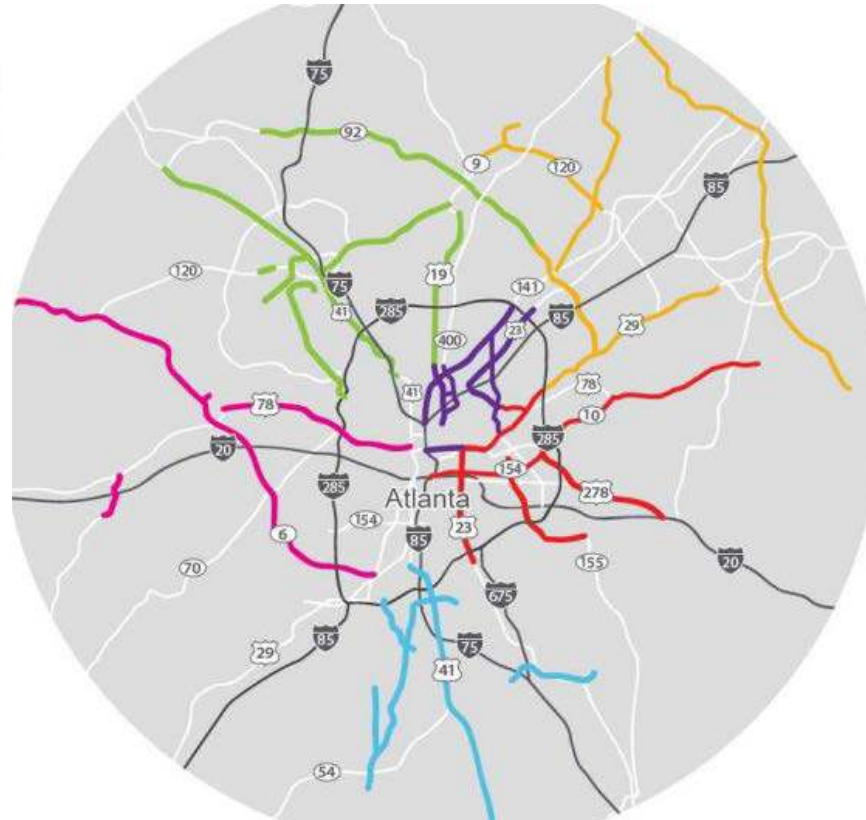


What is so special about a Connected Vehicle?



“Connected Vehicles
Can Sense and
Communicate Things
Drivers Cannot”
- US DOT

Georgia Connected Vehicle Activities



- GDOT has already deployed roadside units (RSU) on SR 141 and SR 8
- Planning to expand along RTOP corridors
- North Avenue Smart Corridor – City of Atlanta
- Local Agency Initiatives

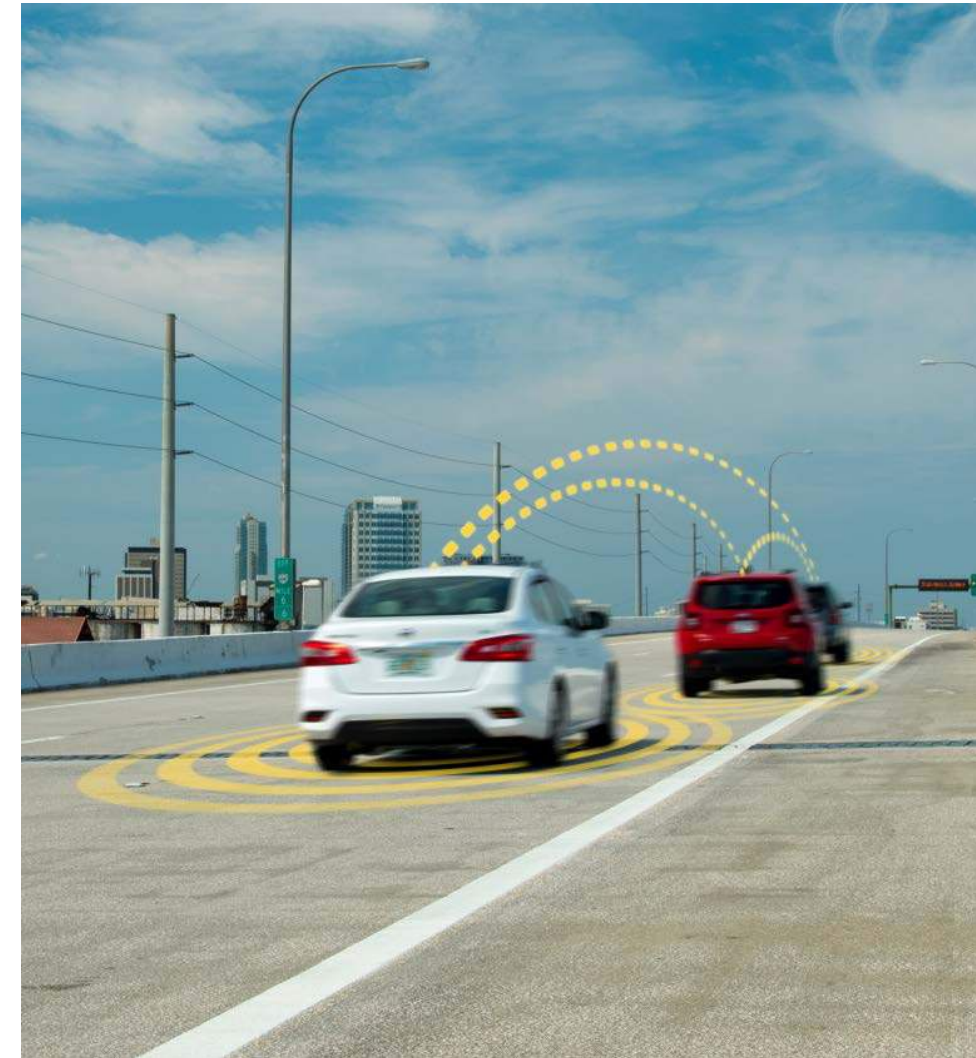


Connected
Vehicle
Technology
Master Plan

Connected Vehicle Technology Master Plan - Goals



- Provide Gwinnett County guidance with deploying CV technology to improve safety for all road users.
- Establish recommendations of standards and best practices for CV technology
- Have measurable outcomes for CV projects
- Be replicable for both Gwinnett County and other local governments



Connected Vehicle Technology Master Plan – Team Members



- GCDOT
 - Tom Sever – Project Champion
 - Ken Keena
 - Alex Hofelich
- Georgia Tech
 - Dr. Angshuman Guin – Research Lead
- AECOM
 - Marc Start – Project Manager
 - Suzanne Murtha – Industry Expert
 - Leslie Langley

Last, But Certainly not Least...

- Stakeholders



Connected Vehicle Technology Master Plan – Stakeholders



Stakeholder Meeting – November 2018

- Public Safety Departments
- Transit
- Cities and Community Improvement Districts (CID)
- GDOT

Focus areas identified by stakeholders Comment Frequency

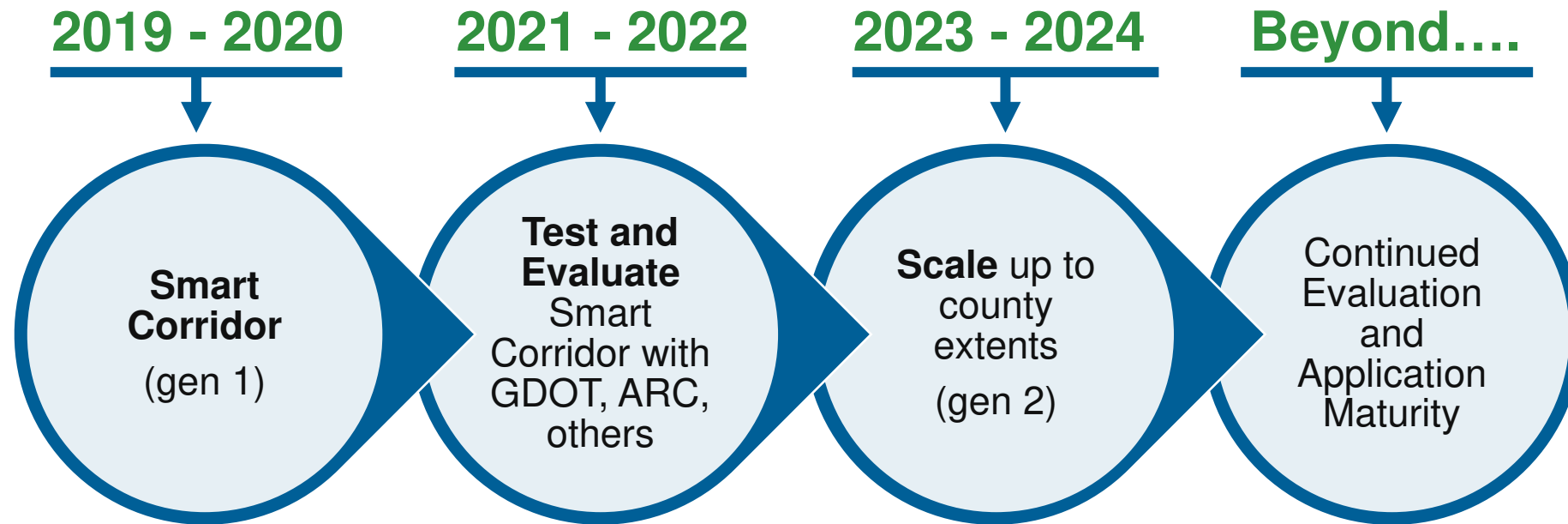
| | |
|---------------------------------------|-----------------|
| Congestion relief | 12 |
| Emergency vehicles | 8 |
| <u>Pedestrian safety</u> | <u>8</u> |
| Transit buses | 3 |
| Bottleneck alerts | 3 |
| Freight | 3 |
| Incident response and clearance times | 3 |





Five-Year
Plan

Deployment Framework *(in progress)*

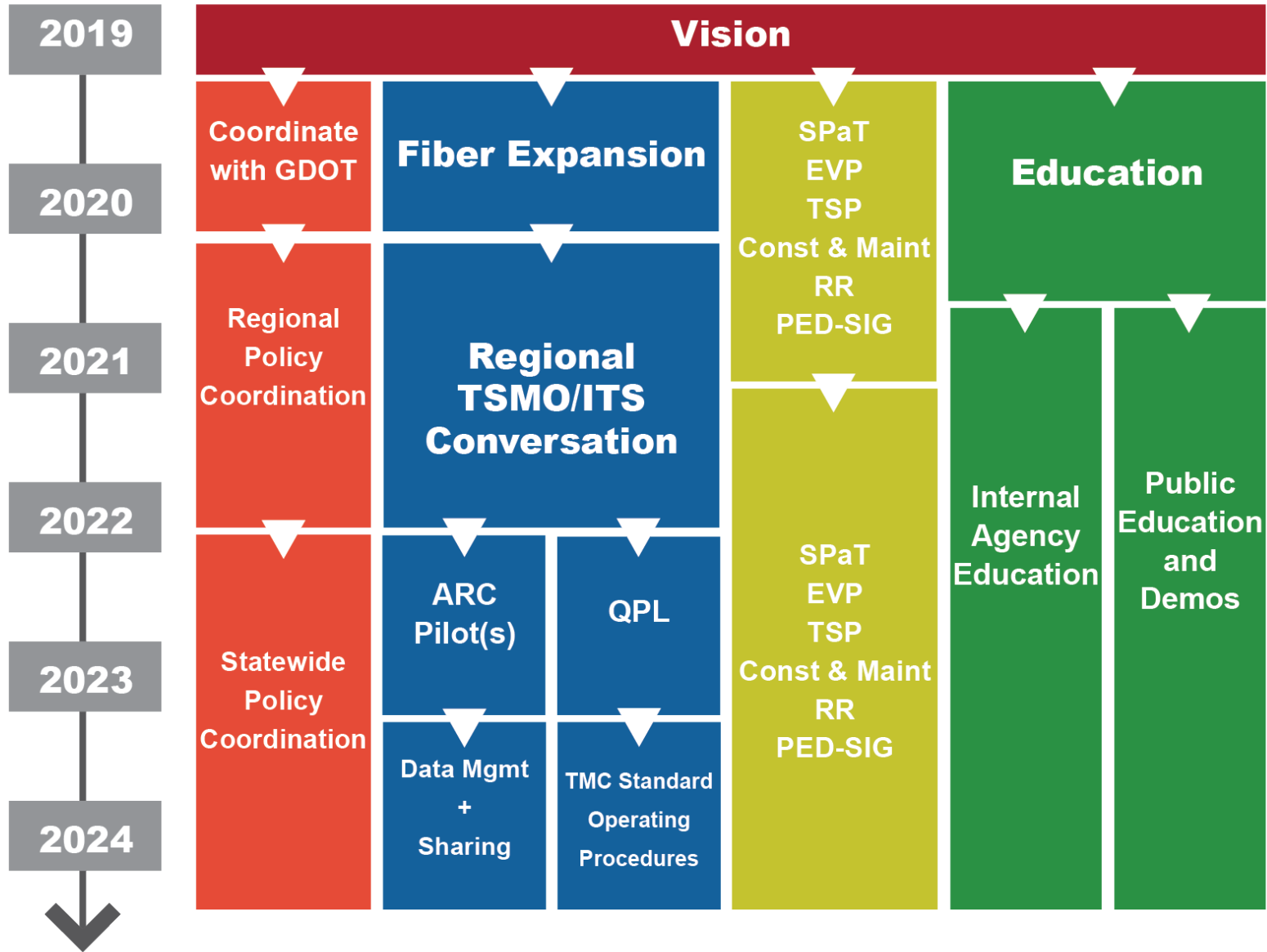


5 Year Plan Details *(in progress)*



| Application / Year | 2019 - 2020 | 2021 - 2022 | 2023 - 2024 |
|--|--|--|--|
| | Gwinnett County PIB Smart Corridor | Develop and Test New Applications; In Coordination with ARC, GDOT | Scale Up to County-Wide, and Fine-Tune Applications |
| 1. All Solutions | <ul style="list-style-type: none"> Deploy DSRC in the West Zone Test connected vehicle data collection, analytics, and archiving | <ul style="list-style-type: none"> State-wide; dashboard for intersection traffic signal operations (RR + EVP + TSP + FSP transition times) State-wide; manage RR + EVP + TSP + FSP conditional requirements Test CV-generated safety data alerts | <ul style="list-style-type: none"> Deploy DSRC county-wide County-wide connected vehicle data, analytics, and archiving Deploy mission-critical CV-generated safety data alerts |
| 2. Signal Phase and Timing (SPaT) Information | <ul style="list-style-type: none"> Enable red light warning, phase termination/next signal phase, and green band speed applications | <ul style="list-style-type: none"> Monitor benefits of safety applications related to fleet penetration of DSRC and cellular OBUs | <ul style="list-style-type: none"> Monitor benefits of safety applications related to fleet penetration of DSRC/cellular OBUs |
| 3. Emergency Vehicle Preemption (EVP) | <ul style="list-style-type: none"> Enable EVP Install OBUs on fire trucks | <ul style="list-style-type: none"> State-wide; manage EVP conditional priority requirements | <ul style="list-style-type: none"> Alerts for excessive transition time |
| 4. Transit Signal Priority (TSP) | <ul style="list-style-type: none"> Enable TSP Install OBUs on transit vehicles | <ul style="list-style-type: none"> Manage TSP conditional priority Test schedule adherence conditional priority Test bus occupancy conditional priority | <ul style="list-style-type: none"> County-wide system development Alerts for excessive transition time |
| 5. Freight Signal Priority (FSP) | | <ul style="list-style-type: none"> Enable FSP State-wide; manage FSP conditional priority Develop commercial freight outreach program | <ul style="list-style-type: none"> County-wide system development Alerts for excessive transition time |
| 6. Construction and Maintenance Vehicle Alert | <ul style="list-style-type: none"> Enable alerts Install OBUs and HMIs on select GCDOT vehicles | <ul style="list-style-type: none"> State-wide; manage alert conditional requirements | <ul style="list-style-type: none"> County-wide system development |
| 7. Rail Intersection Blocked Alert | <ul style="list-style-type: none"> Enable predictive railroad crossing delay Railroad crossing prediction accuracy | <ul style="list-style-type: none"> State-wide; evaluate railroad crossing safety applications | <ul style="list-style-type: none"> County-wide system development Develop additional railroad crossing safety applications |
| 8. Mobile Accessible Pedestrian Signal System (PED-SIG) | <ul style="list-style-type: none"> Driver alerts based on pedestrian pushbutton activation | <ul style="list-style-type: none"> Test transit and school bus door open events Test applications for the visually impaired Test applications for mid-block pedestrians | <ul style="list-style-type: none"> County-wide system development |

5 Year Timeline Regional Perspective *(in progress)*



Master Plan Next Steps



March 29

- Georgia Smart Communities Workshop @ Georgia Tech

Wednesday, April 17

- Georgia Smart and Gwinnett County hosting Regional CV Conversation

March – April

- Circle back with industry

April - August

- Engage in Public information and Education

May – July

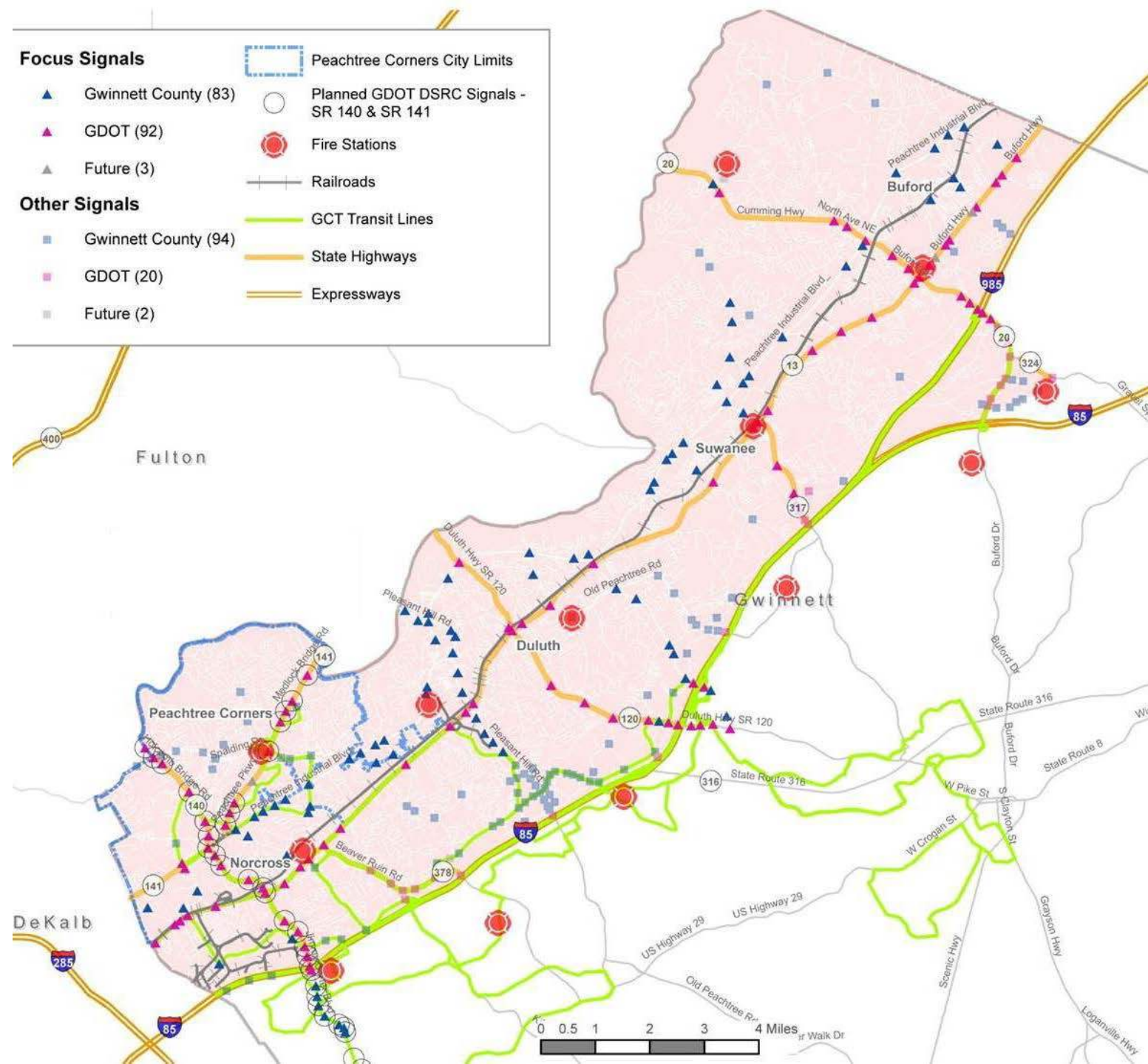
- Draft Study Documentation



Smart
Corridor
Deployment

Smart Corridor Overview (draft)

- \$2.6M deployment
- Design Build RFP
- Completion in early 2020
- 150+ signalized intersections
- Leverage existing infrastructure & CV applications
- Innovation solution component



Smart Corridor Applications (*draft*)

- Emergency vehicle priority
- Transit signal priority
- Pedestrian presence notification
- Railroad crossing status
- Construction and maintenance activity notification
- Signal timing and phasing information





Gwinnett
Transportation

Questions?

Tom Sever, P.E.

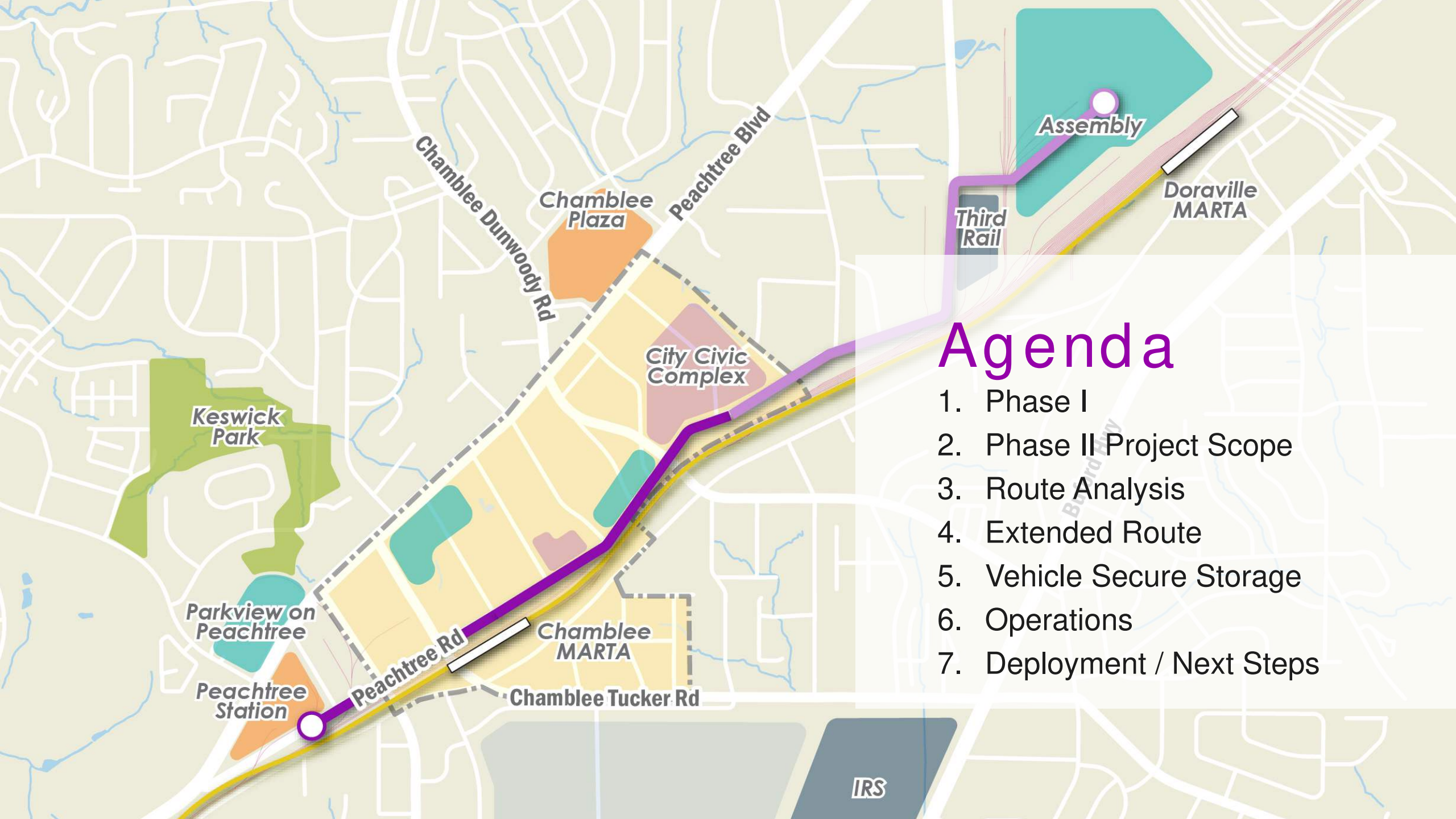
Deputy Director, Traffic Engineering,
Operations and Maintenance

tom.sever@gwinnettcounty.com



City of Chamblee Shared Autonomous Shuttle

Smart Communities Challenge

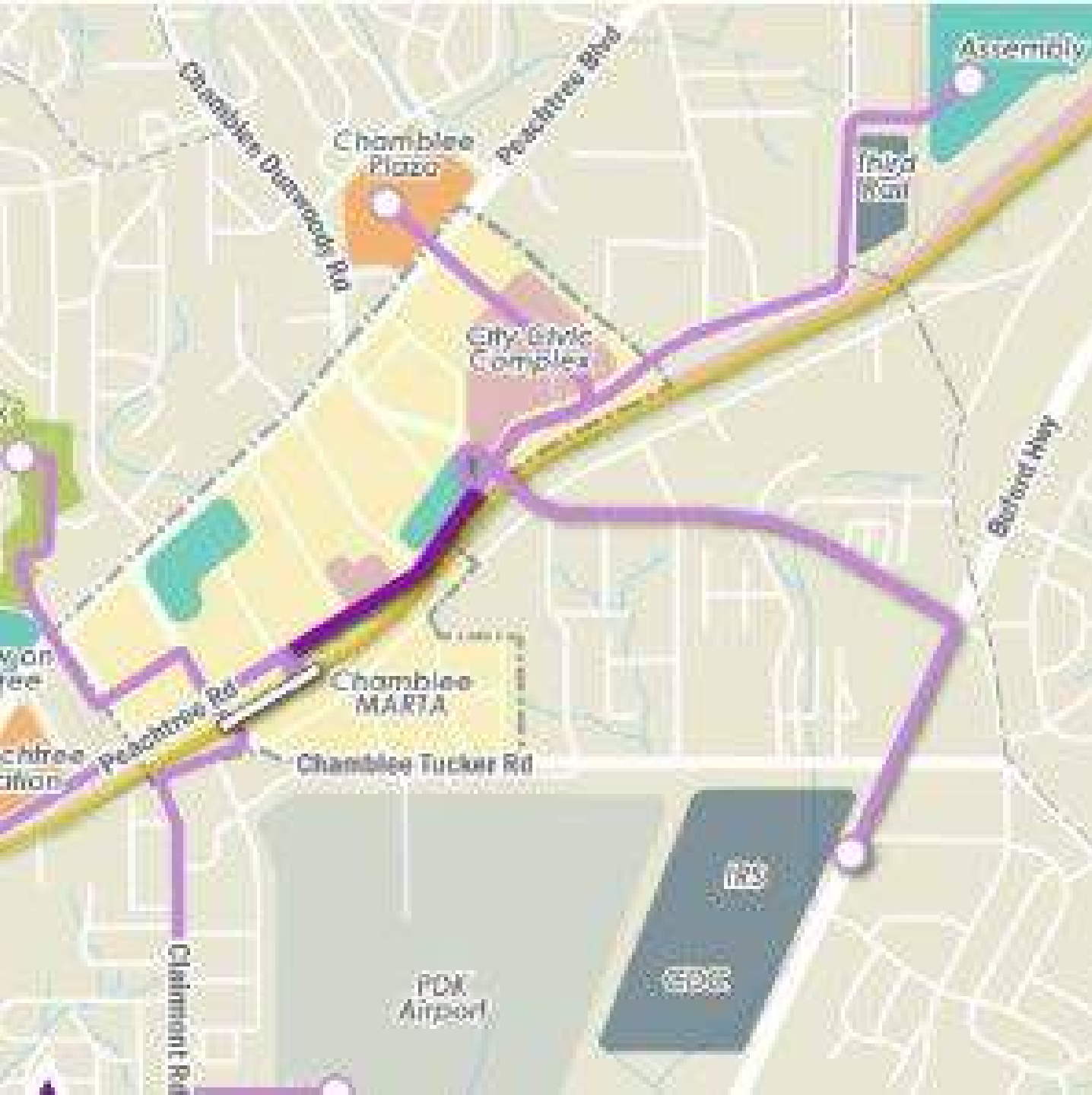


Agenda

1. Phase I
2. Phase II Project Scope
3. Route Analysis
4. Extended Route
5. Vehicle Secure Storage
6. Operations
7. Deployment / Next Steps

City of Chamblee Smart Communities Challenge

1. Phase I



Phase I

Feasibility Study:

- Description of technology
- Chamblee analysis
- Cost estimates
- Route alternatives
- Recommendations
- Next steps

Peachtree Road Streetscape:

- Road diet
- Safety and operational improvements

Comparative Analysis

Number of residents along route



Number of job along route



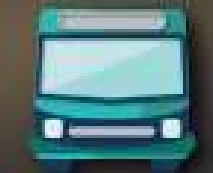
Number of trips per hour with 2 vehicles



Compatibility with low speed shuttle



Increase in transit service coverage



LEGEND

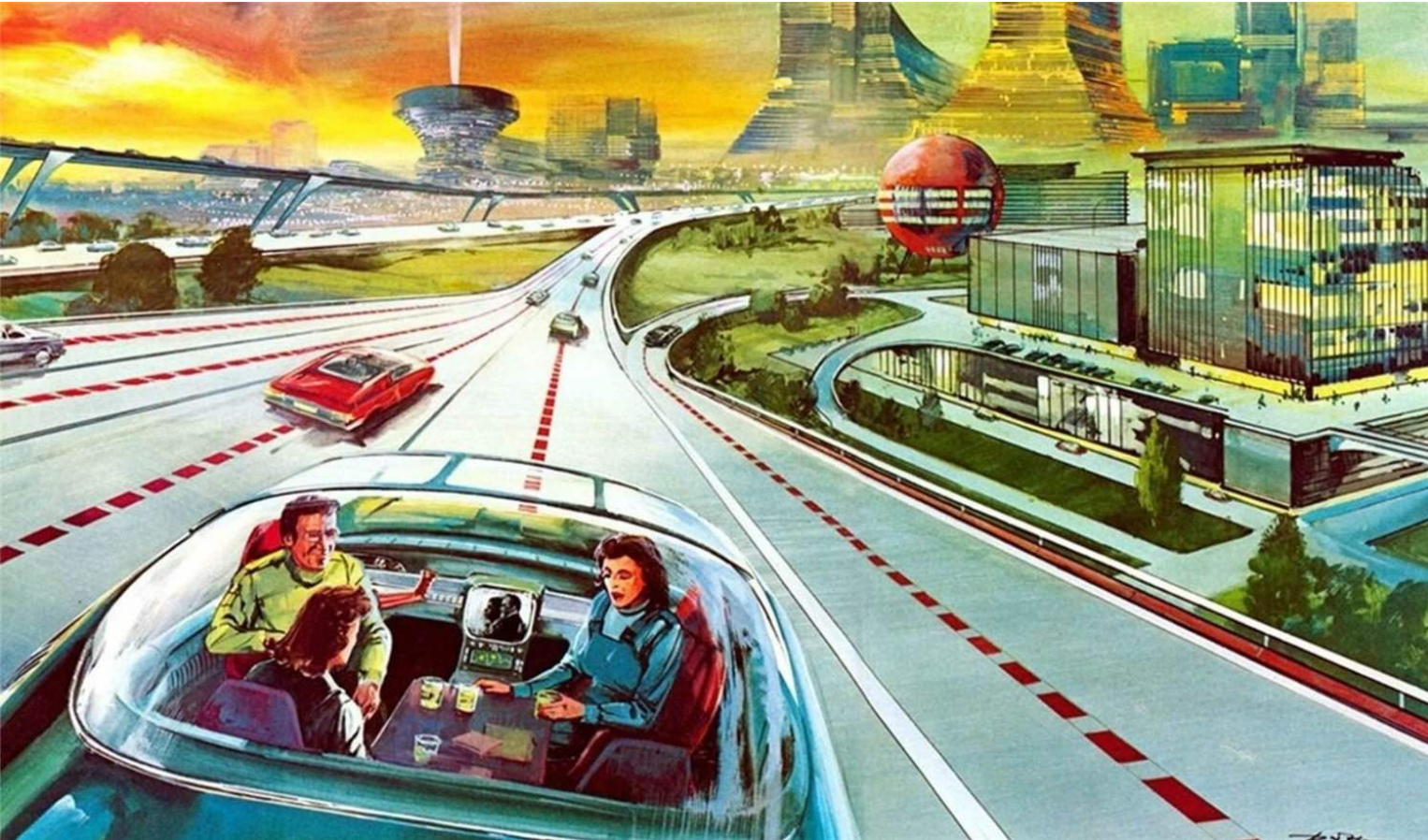
OK

Good

Great

City of Chamblee Smart Communities Challenge

2. Phase II – Project Scope



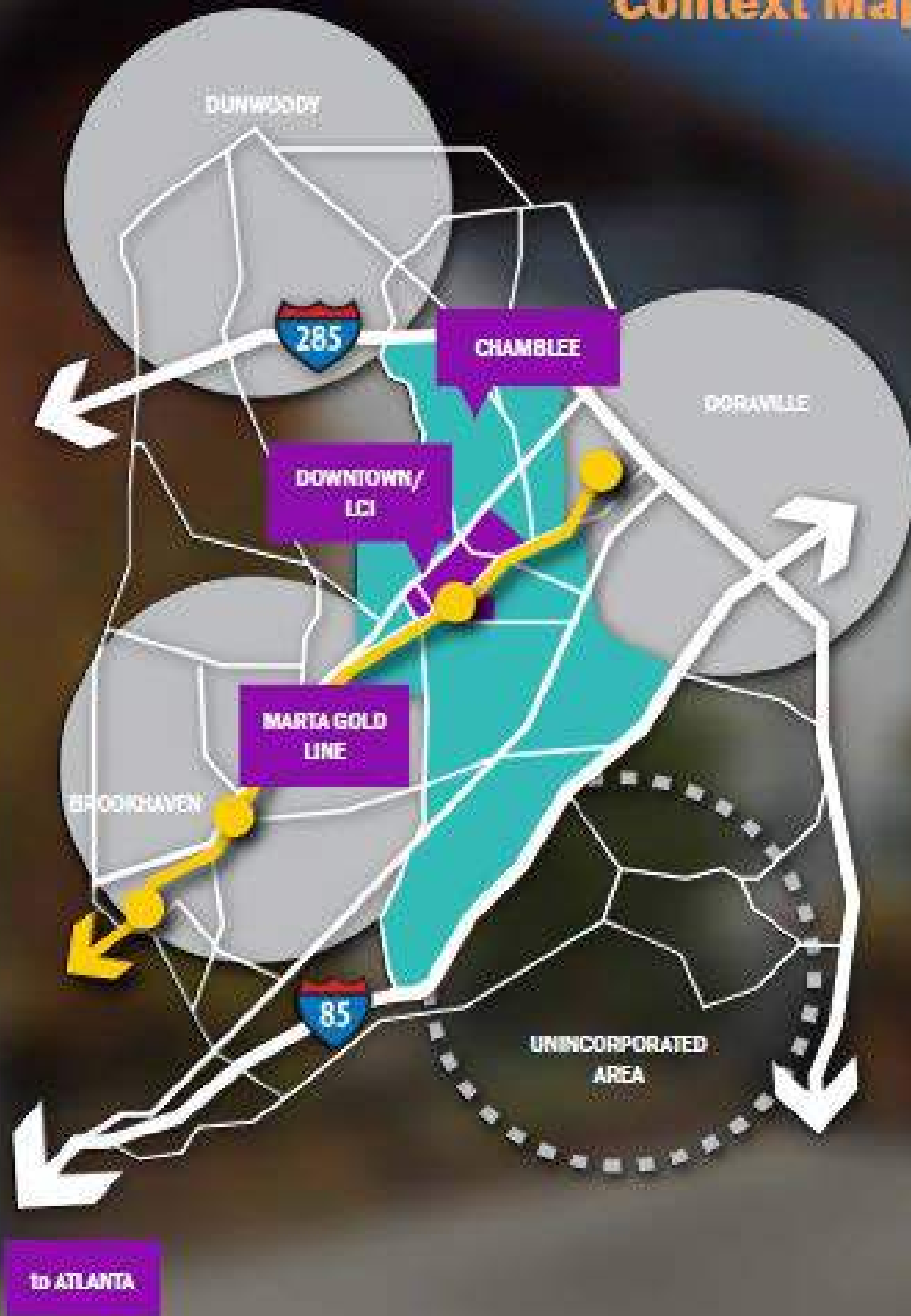
www.analyticsindiamag.com

Project Scope – Research

Best Practices Manual:

- Study of how the prevalence of autonomous vehicles will alter user preferences (mode choice, commute distance, parking ratios) that will eventually impact land use patterns.
- Research into the user experience at existing and proposed SAV installations.
- Design of the mobility hub adjacent to the MARTA station.
- Proposals for retrofitting existing parking lots and garages to park fully autonomous fleets or for more intense redevelopment.

Context Map



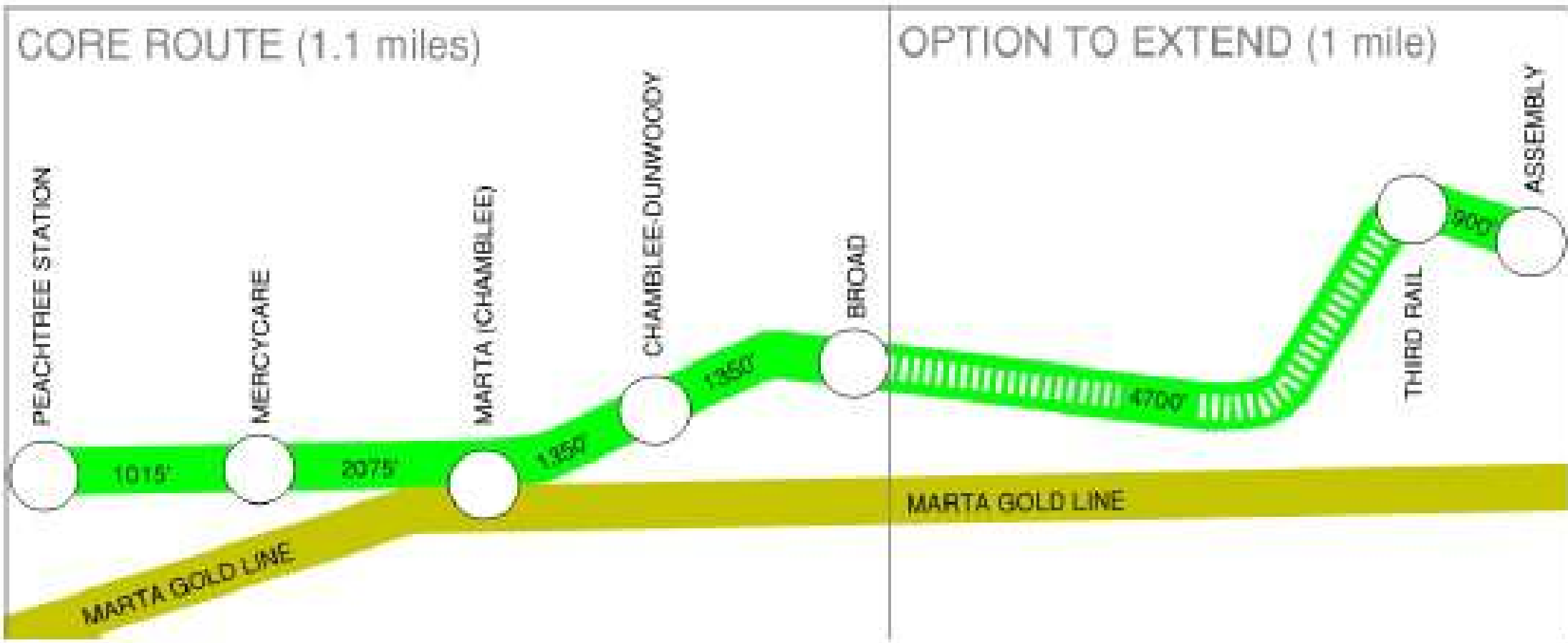
Project Scope – City

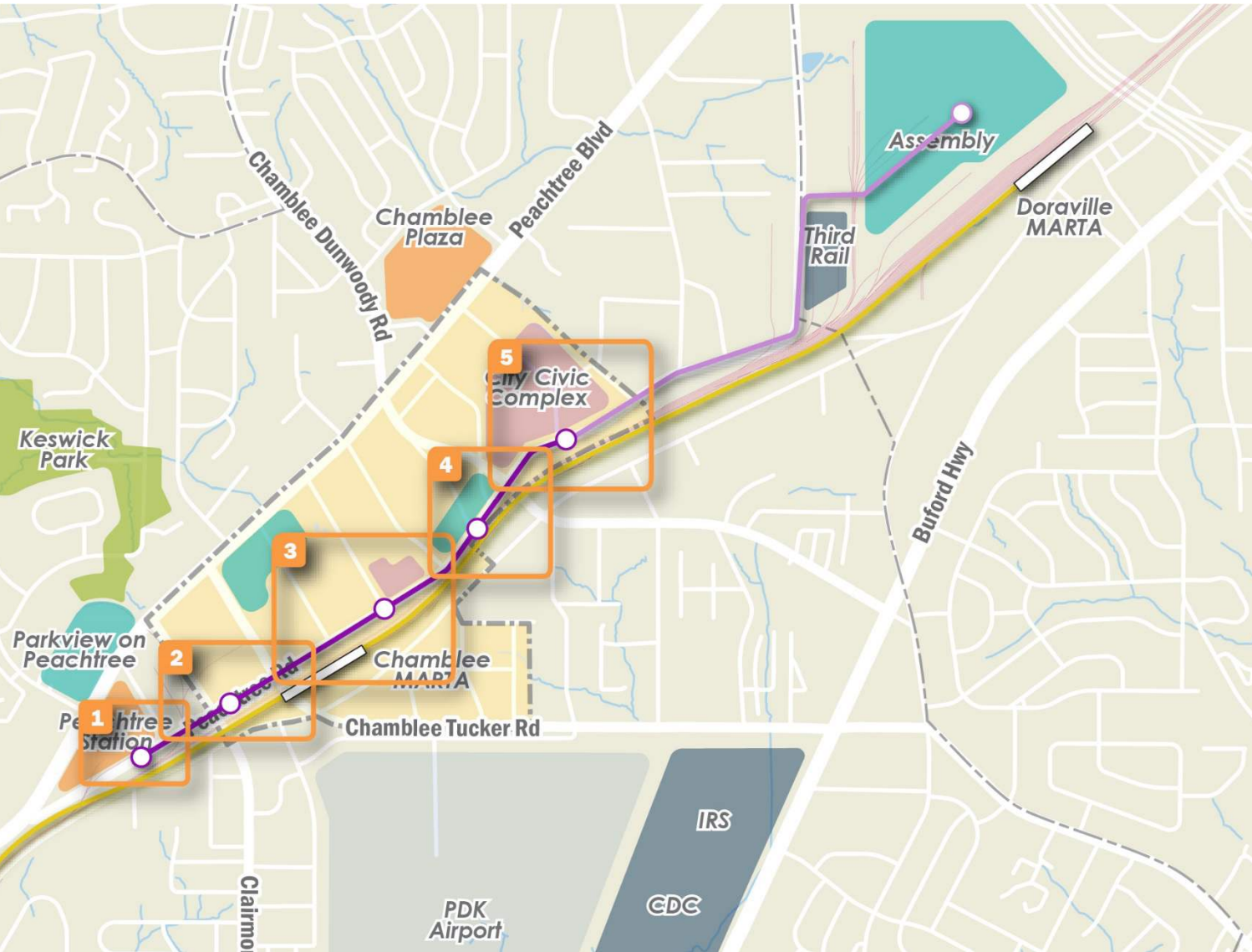
Operations Plan:

- Project description and schedule
- Charging/Storage/Maintenance plan
- Routing and signage/signalization criteria
- Technology provider(s) and operations team and responsibilities
- Use case scenarios
- Testing and evaluation plan
- Funding (if applicable) and procurement of system/services
- Risk assessment and mitigation strategies
- Emergency response plan
- Licensing requirements
- Cost estimates

City of Chamblee Smart Communities Challenge

3. Route Analysis



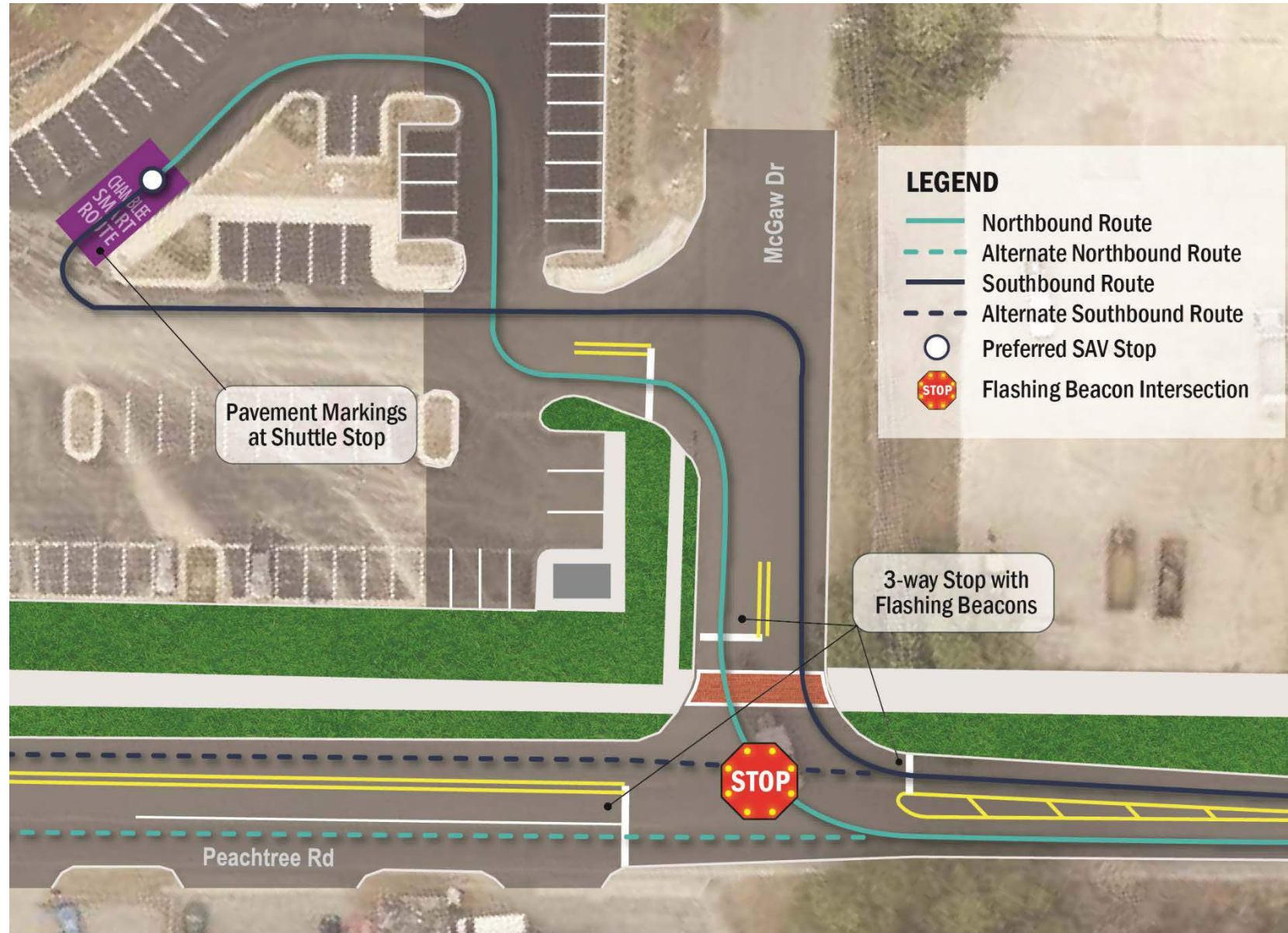


Route Analysis

1. Core Route (streetscaped)
 - McGaw to Broad St
 - Segments defined by stop locations (segments 1-5)

Southern Terminus (Peachtree Station)

- Turnaround at McGaw Drive 3-Way Stop





Intermediate Stops

1. Mercy Care
2. MARTA (Chamblee Station)
3. Entertainment District
(Chamblee Dunwoody Way)

3. Route Analysis

Northern Terminus (Broad Street)

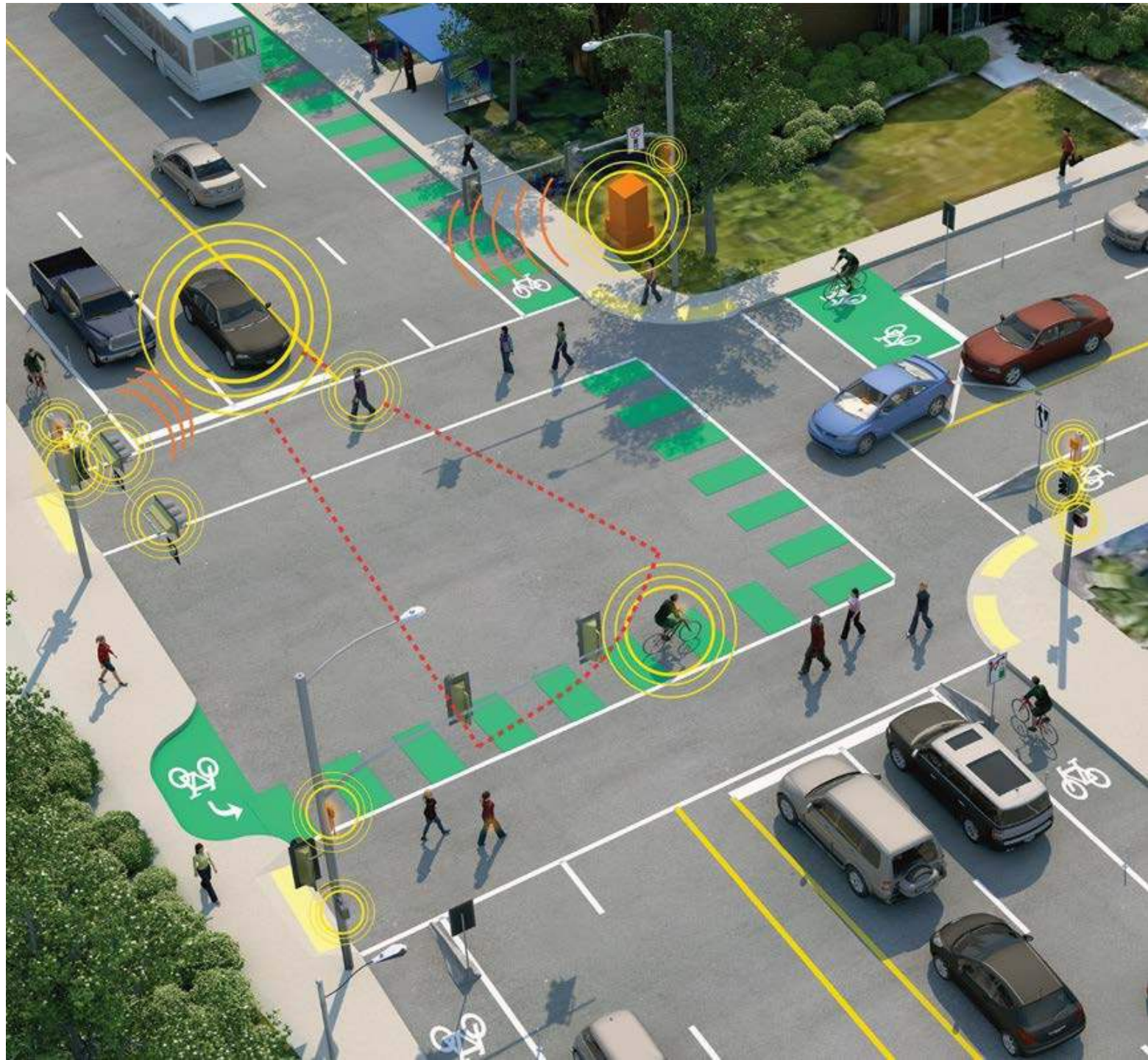
- Turnaround in pergola / parking lot area
- Flashing Beacon Stop Signs & Warning Signage



3. Route Analysis

Chamblee Tucker Intersection

- Required: Connected Intersection



3. Route Analysis

SAV Stops

Requirements:

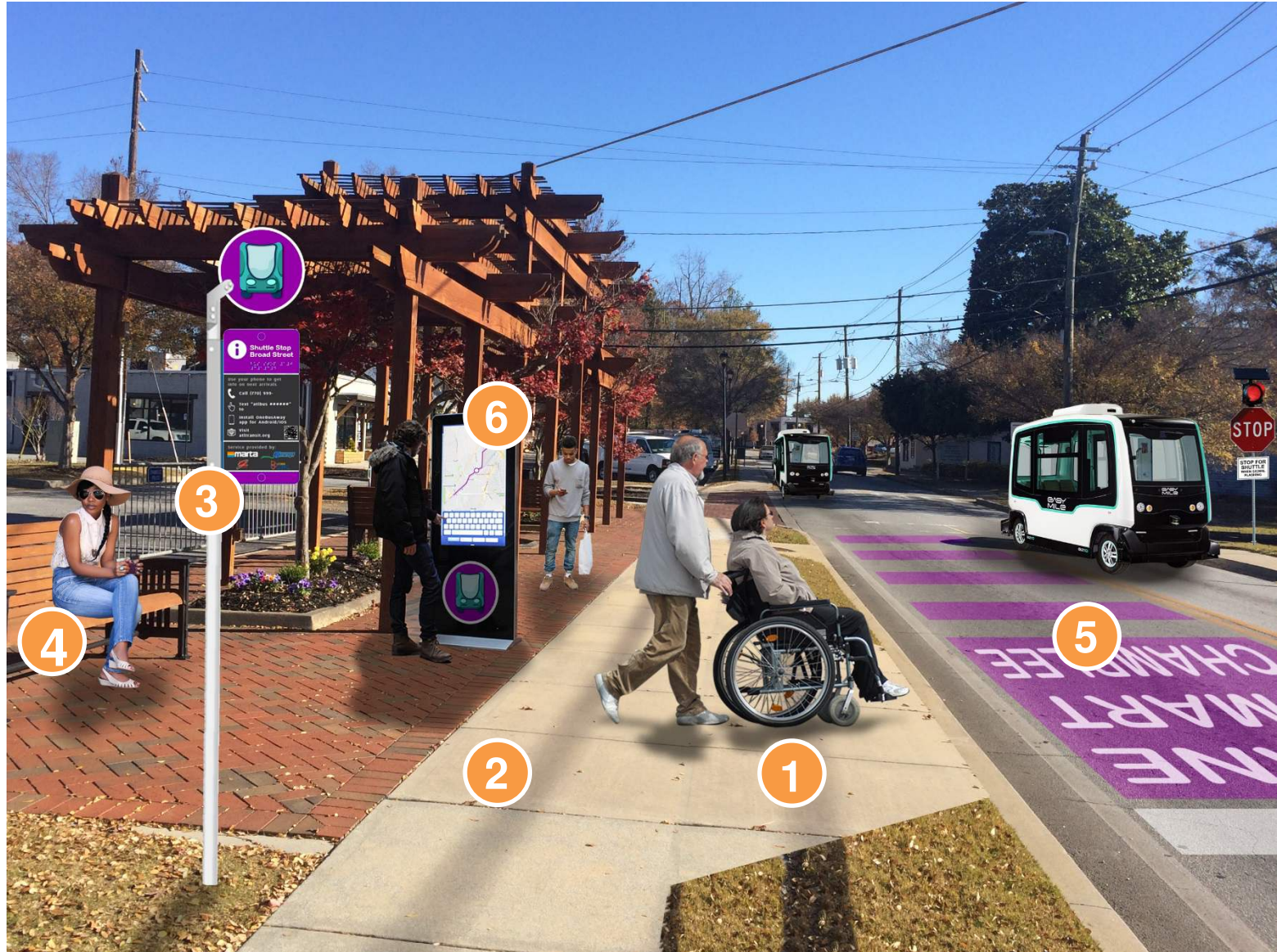
1. ADA concrete landing pad
2. Sidewalk connectivity
3. Signage

Recommendations:

4. Passenger amenities
5. Road painting

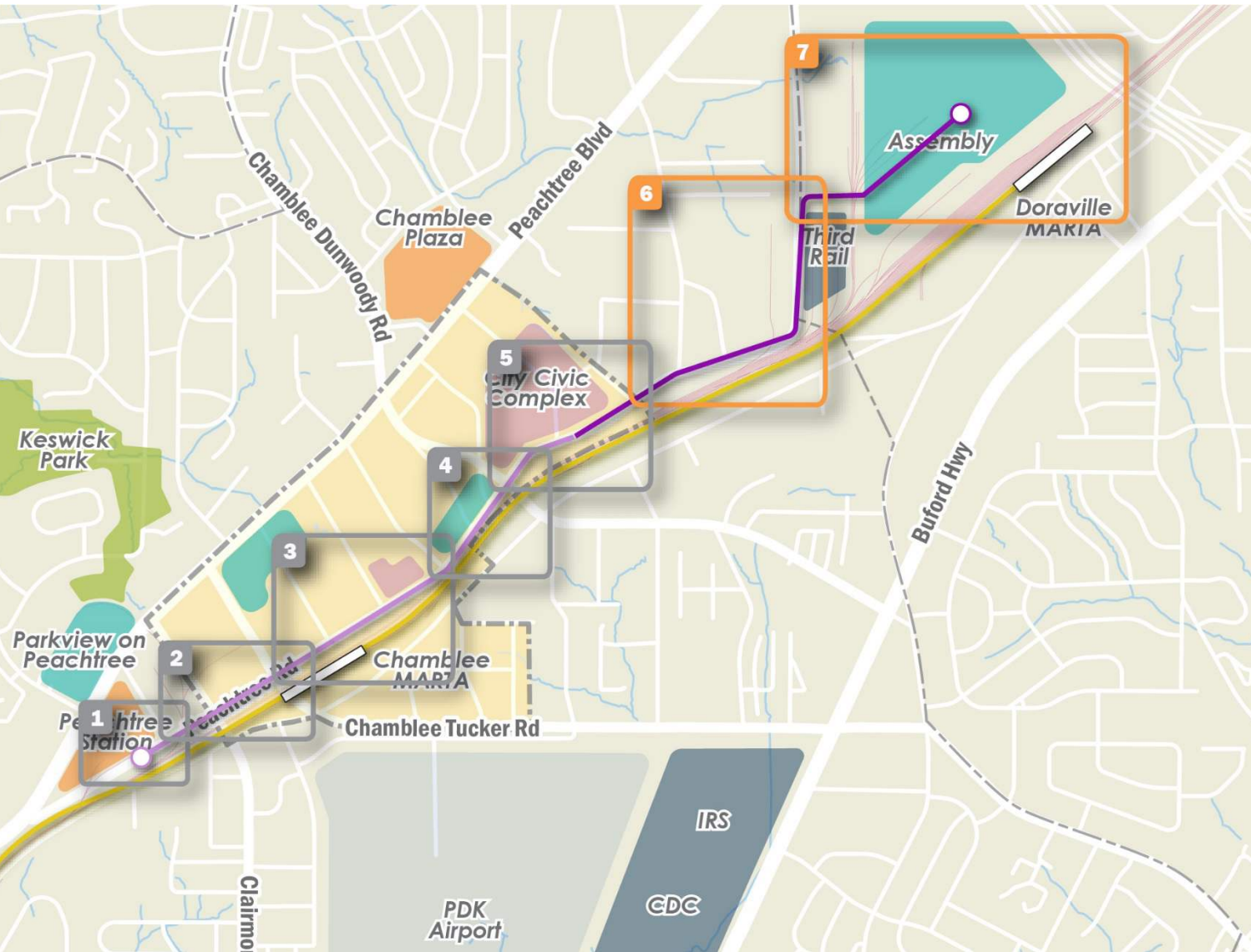
Optional:

6. Interactive map



City of Chamblee Smart Communities Challenge

4. Extension Route



Third Rail / Assembly

1. Extended Route (Existing Conditions)
 - North of Broad St (segments 6 and 7)
 - Provides meaningful connection to major employers
 - Impacts SAV service profiles

Route Analysis

- Operating conditions vary from core route



City of Chamblee Smart Communities Challenge

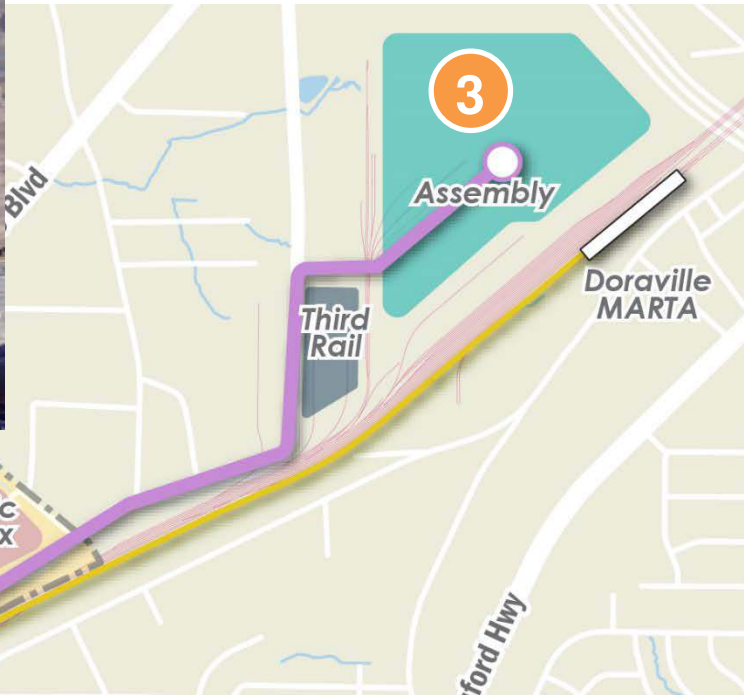
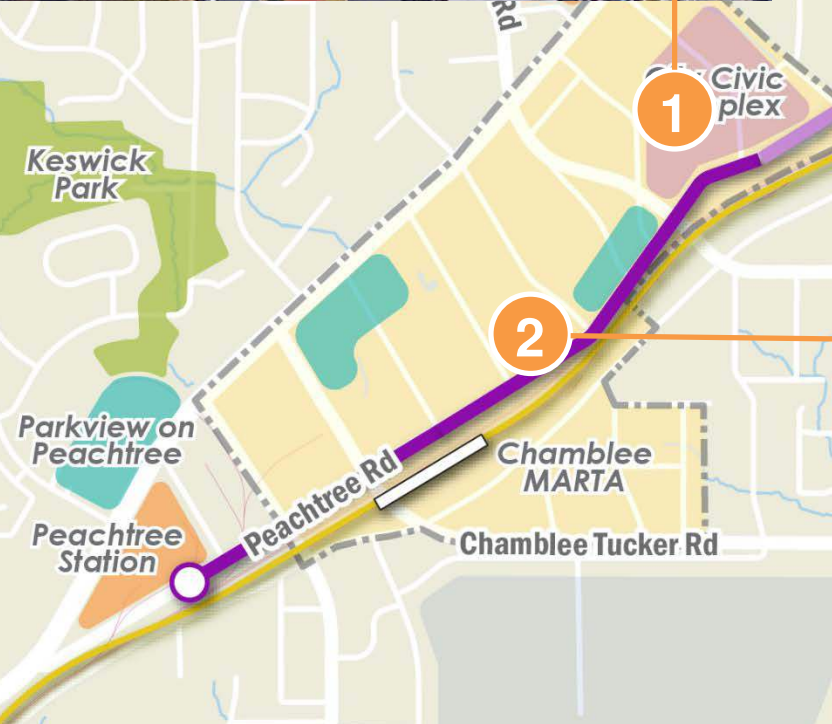
5. Vehicle Secure Storage



Vehicle Secure Storage

Minimum Standards:

- Secure
- Dimension: 10' x 10' x 10'
- Tool / Supply Storage
- Power: Type 1 Charging Station or NEMA 14-50R outlet (recommended)
- Washing Capabilities



Potential Facilities

Preferred:

- 1. Chamblee Police Station

Other options:

- 2. Chamblee Village / Olmstead Parking Garages
- 3. Third Rail / Assembly Yards

City of Chamblee Smart Communities Challenge

6. Operations

Operations



Peachtree Station - Assembly
Length = 2.2 miles



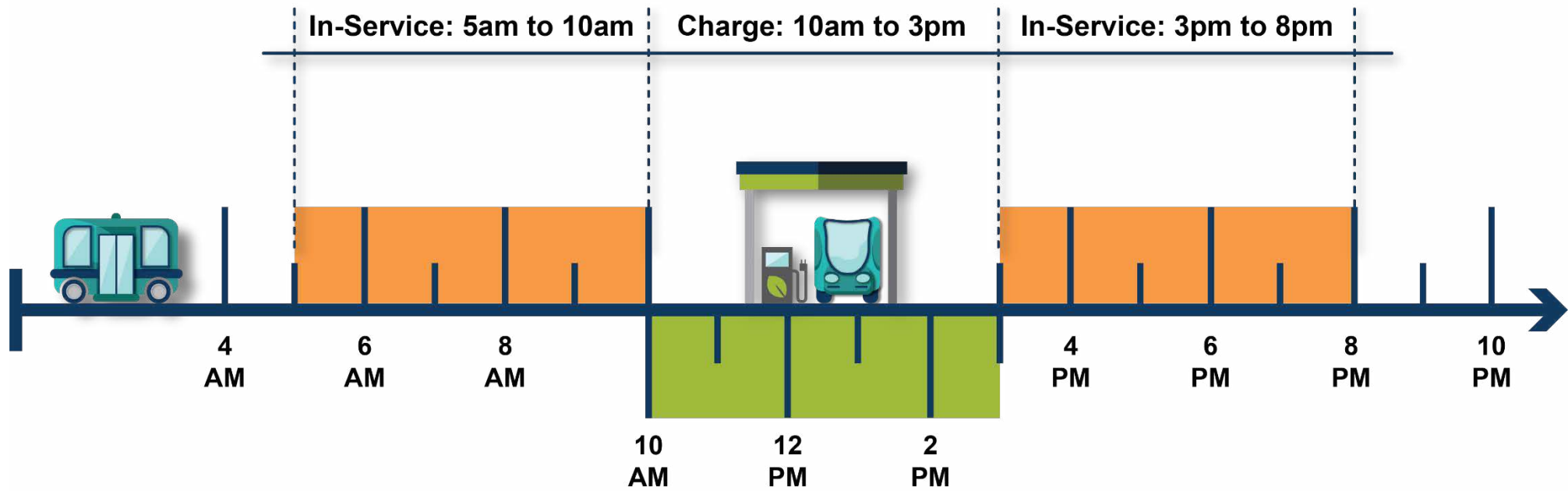
10 hour service day /
7 days / week



Single SAV (no spare)
= 15-minute headway

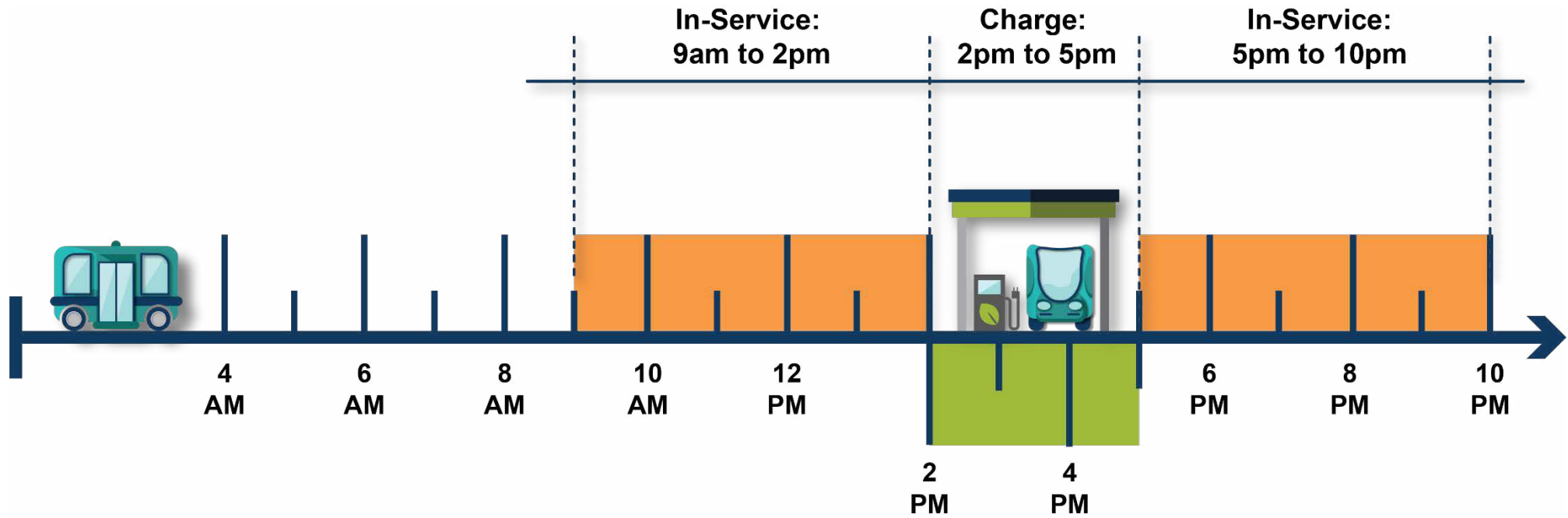
Service Profile

- Commuter / Last Mile Service



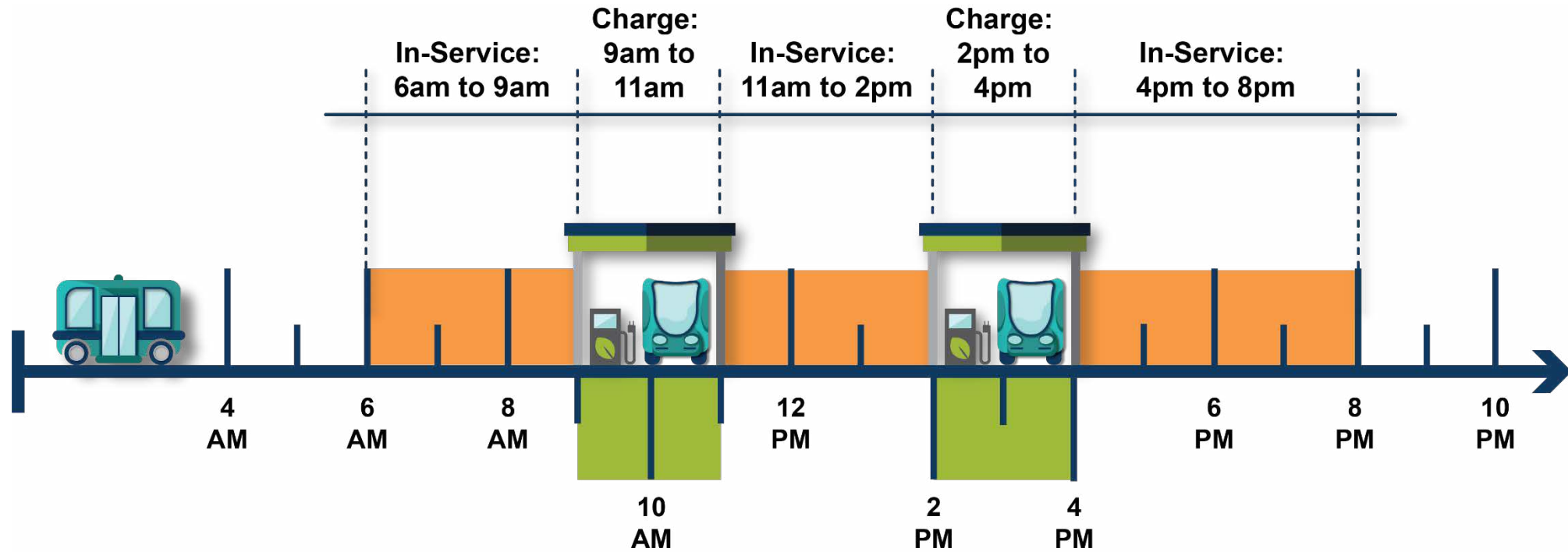
Service Profile

- Leisure / Entertainment Service



Service Profile

- Hybrid Service



Estimated Cost to Implement



Infrastructure Improvements

\$75,000 - \$100,000

- Connected infrastructure
- Flashing beacon stop signs
- Benches
- Sidewalk connectivity
- Lane painting / signage



Capital Expenditures

\$10,000 - \$35,000 (monthly lease)
\$250,000 - \$425,000 (own)

- Vehicle
- Start up training & programming



Annual Operating Costs

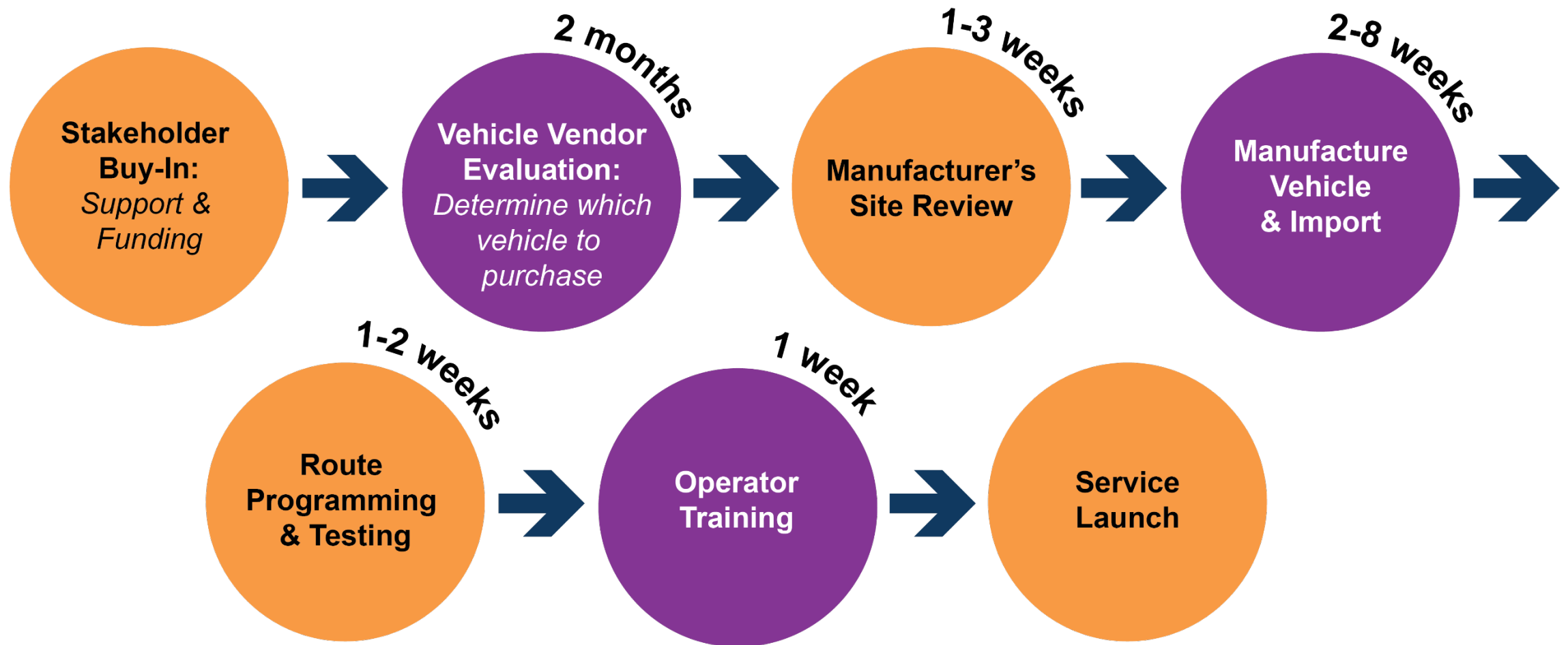
\$250,000 - \$350,000

- Software licensing
- Insurance
- Maintenance
- Onboard attendant
- Program management

City of Chamblee Smart Communities Challenge

7. Deployment / Next Steps

Next Steps



Press

3/24/2019 Could Self-Driving Shuttles be Coming to Chamblee? - What's Next ATL MENU

COMMUTING IN METRO ATLANTA Share

Could Self-Driving Shuttles be Coming to Chamblee?

POSTED ON AUGUST 7, 2018

Written by **JIM JAQUISH**

Share on
Facebook
Twitter
LinkedIn
Reddit

Imagine tapping an app on your phone and just a few minutes later, a car shows up to take you wherever you want to go at an affordable price.

Oh right. You can already do that.

Now imagine that the vehicle pulling up to your curb has no driver. The city of Chamblee, along with several partners, is preparing for just that.

Chamblee is one of four cities across Georgia to win a grant from Georgia Tech's Smart Communities Challenge. Chamblee will study how shared, autonomous vehicles – think a self-driving Uber or Lyft – and other autonomous and connected technologies may shape the future of the North DeKalb County city.

<https://whatsnextatl.org/could-self-driving-shuttles-be-coming-to-chamblee/>

1/6

Press

Initiative on Cities and Autonomous Vehicles

About

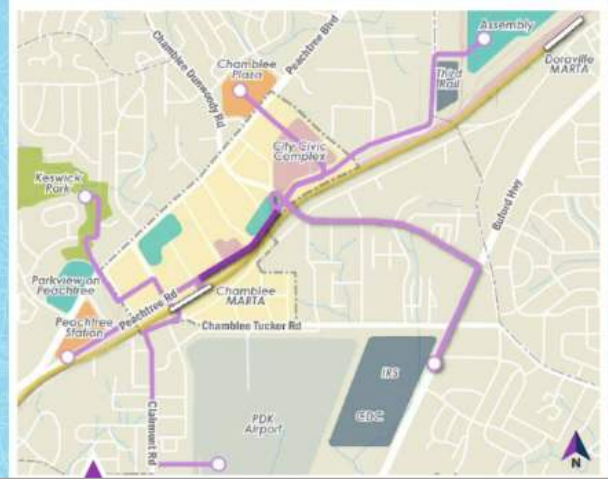
World / Americas / United States

Chamblee, US is preparing

Policy and Planning Priorities:

Land Use and Transit Planning, Pilot Zone Identification

In 2017, Chamblee, Ga. (pop: 28,000) began exploring the possibility of a shared autonomous vehicle pilot to provide first/last mile connections at the city's MARTA rail station. The \$45,000 study is being conducted by Stantec, an engineering firm, whose Urban Studio is engaged in several AV projects throughout North America. A draft of the completed [feasibility study](#), which involved community group discussions and an online survey was adopted by city council in March 2018, and proposes a number of possible driverless shuttle routes serving the city's main thoroughway of Peachtree Road, including employers such as the Center for Disease Control, Internal Revenue Service, and the Peachtree-Dekalb Airport. Key findings include an estimated operating cost of \$12,000 to \$14,000 per month per vehicle, some 70 percent less than conventional human-driven, full-size buses on the same routes.



3/24/2019

Could Self-Driving Shuttles

COMMUTING IN METRO ATLANTA

Share

Could Self-Driving Shuttle Chamblee?

POSTED ON AUGUST 7, 2018

Written by
JIM JAQUISH

Imagine tapping an app on your phone and just a few minutes later, a car shows up to take you wherever you want to go at an affordable price.

Share on
Facebook

Oh right. You can already do that.

Twitter

LinkedIn

Reddit

Now imagine that the vehicle pulling up to your curb has no driver. The city of Chamblee, along with several partners, is preparing for just that.

Chamblee is one of four cities across Georgia to win a grant from Georgia Tech's Smart Communities Challenge. Chamblee will study how shared, autonomous vehicles – think a self-driving Uber or Lyft – and other autonomous and connected technologies may shape the future of the North DeKalb County city.

1/6

Press

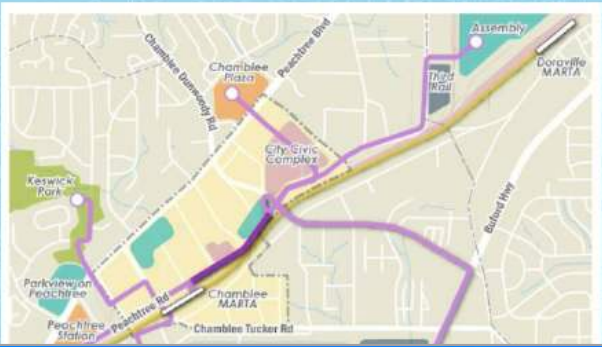
Bloomberg Philanthropies THE ASPEN INSTITUTE

Initiative on Cities and Autonomous Vehicles About

World / Americas / United States

Chamblee, US is preparing

Policy and Planning Priorities:
Land Use and Transit Planning, Pilot Zone Identification



In 2017, Chamblee, Ga. (pop: 28,000) began exploring the possibility of a shared autonomous vehicle pilot to provide first/last mile connections at the city's MARTA rail station. The \$45,000 study is being conducted by Stantec, an engineering firm, whose Urban Studio is engaged in several AV projects throughout North America. A draft of the completed [feasibility study](#), which involved community group discussions and an online survey was adopted by city council in March 2018, and proposes a number of possible driverless shuttle routes serving the city's main thoroughway of Peachtree Road, including employers such as the Center for Disease Control, Internal Revenue Service, and the Peachtree-Dekalb Airport. Key findings include an estimated operating cost of \$12,000 to \$14,000 per month per vehicle, some 70 percent less than conventional human-driven, full-size buses on the same routes.

3/24/2019 Could Self-Driving Shuttles

COMMUTING IN METRO ATLANTA Share

Could Self-Driving Shuttle Chamblee?

POSTED ON AUGUST 7, 2018

Written by JIM JAQUISH

Imagine tapping an app on your phone and just a few minutes later, a car shows up to take you wherever you want to go at an affordable price.

Oh right. You can already do that.

Now imagine that the vehicle pulling up to your curb has no driver. The city of Chamblee, along with several partners, is preparing for just that.

Chamblee is one of four cities across Georgia to win a grant from Georgia Tech's Smart Communities Challenge. Chamblee will study how shared, autonomous vehicles – think a self-driving Uber or Lyft – and other autonomous and connected technologies may shape the future of the North DeKalb County city.

<https://whatsnextatl.org/could-self-driving-shuttles-be-coming-to-chamblee/>

1/6

WSB-TV 2 ATLANTA

WEATHER NEWS LIVE VIDEO TRAFFIC SPORTS TRENDING CONSUMER COMMUNITY MORE

Delta Community Credit Union **Big benefits. Small-town service.** [Apply now](#)

Stivers Subaru Decatur GA

Our Subaru Prices Cannot Be Beat. Come See For Yourself, We Will Have Your Keys Waiting.

AMC Theatres

WEBSITE DIRECTIONS

Driverless shuttles could be coming to DeKalb County city

By: Steve Gehlbach
Updated: Mar 18, 2019 - 6:47 PM



DRIVERLESS SHUTTLES

Craig Lucie @CraigLucie

6:55 5P ACTION NEWS wsbv.com

Press

Bloomberg Philanthropies THE ASPEN INSTITUTE

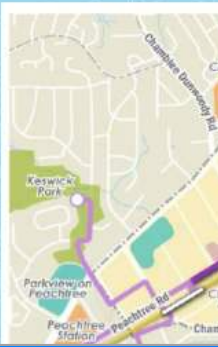
Initiative on Cities and Autonomous Vehicles About

World / Americas / United States

Chamblee, US is preparing

Policy and Planning Priorities:
Land Use and Transit Planning, Pilot Zone Identification

In 2017, Chamblee, Ga. (pop: 28,000) began exploring the possibility of a shared autonomous vehicle pilot to provide first/last mile connections at the city's MARTA rail station. The \$45,000 study is being conducted by Stantec, an engineering firm, whose Urban Studio is engaged in several AV projects throughout North America. A draft of the completed [feasibility study](#), which involved community group discussions and an online survey was adopted by city council in March 2018, and proposes a number of possible driverless shuttle routes serving the city's main thoroughway of Peachtree Road, including employers such as the Center for Disease Control, Internal Revenue Service, and the Peachtree-Dekalb Airport. Key findings include an estimated operating cost of \$12,000 to \$14,000 per month per vehicle, some 70 percent less than conventional human-driven, full-size buses on the same routes.



Chamblee eyes launching autonomous vehicle shuttle routes (Video)

Email Share Print Tweet Save Print Order Reprints



Consulting firm Stantec last fall began a feasibility study of how Chamblee, a rapidly developing...

Driverless shuttles could be coming to DeKalb County city

By: Steve Gehlbach
Updated: Mar 18, 2019 - 6:47 PM



3/24/2019

Could Self-Driving Shuttles...

COMMUTING IN METRO ATLANTA

Share

Could Self-Driving Shuttle Chamblee?

POSTED ON AUGUST 7, 2018

Written by JIM JAQUISH

Share on Facebook Twitter LinkedIn Reddit

Imagine tapping an app on your phone and just a few minutes later, a car shows up to take you wherever you want to go at an affordable price.

Oh right. You can already do that.

Now imagine that the vehicle pulling up to your curb has no driver. The city of Chamblee, along with several partners, is preparing for just that.

Chamblee is one of four cities across Georgia to win a grant from Georgia Tech's Smart Communities Challenge. Chamblee will study how shared, autonomous vehicles – think a self-driving Uber or Lyft – and other autonomous and connected technologies may shape the future of the North DeKalb County city.

<https://whatsnextatl.org/could-self-driving-shuttles-be-coming-to-chamblee/>

1/6

WSB-TV ATLANTA 2 WEATHER NEWS LIVE

Delta Com... EVERYTHING YOUR BA...

Stivers Subaru Decatur GA

Stivers Decatur Subaru

Our Subaru Prices Cannot Be Beat. Come See For Yourself, We Will Have Your Keys Waiting.

AMC Theaters

WEBSITE DIRECTIONS

Press

Initiative on Cities and Autonomous Vehicles

World / Americas / United States

Chamblee, US is preparing

Policy and Planning Priorities:

Land Use and Transit Planning, Pilot Zone Identification

In 2017, Chamblee, Ga. (pop: 28,000) began exploring the possibility of a shared autonomous vehicle pilot to provide first/last mile connections at the city's MARTA rail station. The \$45,000 study is being conducted by Stantec, an engineering firm, whose Urban Studio is engaged in several AV projects throughout North America. A draft of the completed [feasibility study](#), which involved community group discussions and an online survey was adopted by city council in March 2018, and proposes a number of possible driverless shuttle routes serving the city's main thoroughway of Peachtree Road, including employers such as the Center for Disease Control, Internal Revenue Service, and the Peachtree-Dekalb Airport. Key findings include an estimated operating cost of \$12,000 to \$14,000 per month per vehicle, some 70 percent less than conventional human-driven, full-size buses on the same routes.



About

3/24/2019

Could Self-Driving Shuttles

COMMUTING IN METRO ATLANTA

Share

Could Self-Driving Shuttle Chamblee?

POSTED ON AUGUST 7, 2018

Written by JIM JAQUISH

Imagine tapping an app on your phone and just a few minutes later, a car shows up to take you wherever you want to go at an affordable price.

Share on Facebook Twitter LinkedIn Reddit

Oh right. You can already do that.

Now imagine that the vehicle pulling up to your curb has no driver. The city of Chamblee, along with several partners, is preparing for just that.

Chamblee is one of four cities across Georgia to win a grant from Georgia Tech's Smart Communities Challenge. Chamblee will study how shared, autonomous vehicles – think a self-driving Uber or Lyft – and other autonomous and connected technologies may shape the future of the North DeKalb County city.

<https://whatsnextatl.org/could-self-driving-shuttles-be-coming-to-chamblee/>

GA: What would a self-driving shuttle on Peachtree Road look like?

Shuttles without a driver behind the wheel could be rolling onto a busy DeKalb County corridor.

J.D. CAPELOUTO MARCH 15, 2019
THE ATLANTA JOURNAL-CONSTITUTION



March 15-- Mar. 15--Shuttles without a driver behind the wheel could be rolling onto a busy DeKalb County corridor.

At a meeting next Tuesday, Chamblee City Council is set to vote on a resolution to apply for a grant from the U.S. Department of Transportation that would fund a set of self-driving shuttles.

The city has looked into the possibility of autonomous shuttles, which would take passengers up and down Peachtree Road, since 2017.

"This whole idea of an autonomous shuttle for last-mile connectivity seemed intriguing," Chamblee Mayor Eric Clarkson said in an interview. "We could really be on the leading edge of this."

The federal grant can be up to \$10 million; if Chamblee applies and is chosen, the city would provide \$100,000 toward the pilot program. Clarkson said he expects the resolution to pass Tuesday.

DRIVERLESS SHUTTLES

Craig Lucie

@CraigLucie

ACTION NEWS

wabv.com

Press

3/24/2019

COMMUTING IN METRO ATLANTA

Could Self-Driving Shuttles Be Coming to Chamblee?

POSTED ON AUGUST 7, 2018

Written by JIM JAQUISH

Imagine tapping an app on your phone up to take you wherever you want to go. Oh right. You can already do that with Uber and Lyft. Now imagine that the vehicles are self-driving. Chamblee, along with several other cities in the Atlanta area, is one of four cities in the Smart Communities Challenge that are testing self-driving vehicles – think a self-driving car that can be summoned via connected technologies.

Share on Facebook Twitter LinkedIn Reddit

<https://whatsnextatl.org/could-self-driving-shuttles-be-coming-to-chamblee/>



Would metro commuters ride a self-driving shuttle?

<https://www.ajc.com/news/local/would-metro-commuters-ride-self-driving-shuttle/LSjDmsTTOAv6520iAPamNN/>

GA: What would a self-driving shuttle on Peachtree Road look like?

Shuttles without a driver behind the wheel could be rolling onto a busy DeKalb County corridor.

J.D. CAPELOUTO MARCH 15, 2019

THE ATLANTA JOURNAL-CONSTITUTION

Share Tweet

March 15-- Mar. 15--Shuttles without a driver behind the wheel could be rolling onto a busy DeKalb County corridor.

At a meeting next Tuesday, Chamblee City Council is set to vote on a resolution to apply for a grant from the U.S. Department of Transportation that would fund a set of self-driving shuttles.

The city has looked into the possibility of autonomous shuttles, which would take commuters up and down Peachtree Road, since 2017.

"The whole idea of an autonomous shuttle for last-mile connectivity seemed intriguing," Chamblee Mayor Eric Clarkson said in an interview. "We could really be on the leading edge of this."

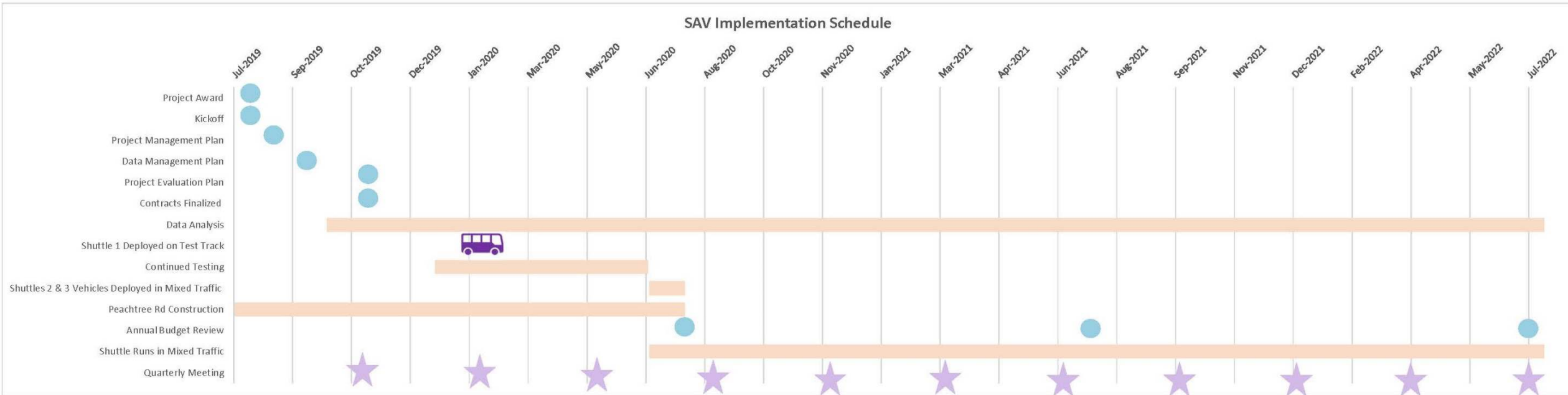
A grant can be up to \$10 million; if Chamblee applies and is chosen, the city could receive \$100,000 toward the pilot program. Clarkson said he expects the council to pass Tuesday.

DRIVERLESS SHUTTLES

Craig Lucie ACTION NEWS @CraigLucie wbtv.com

Grant Schedule

SAV Implementation Schedule





Smart Communities Q&A Panel

- Debra Lam, Georgia Tech - Debra.Lam@pat.gatech.edu
- Tom Sever, Gwinnett County DOT – Tom.Sever@gwinnettcounty.com
- Rebecca Keefer, City of Chamblee - RKeefe@chambleega.gov
- Amy Goodwin, ARC (moderator) – Agoodwin@atlantaregional.org

