



BOARD OF DIRECTORS

METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

PLANNING AND CAPITAL PROGRAMS COMMITTEE

THURSDAY, MARCH 30, 2023

ATLANTA, GEORGIA

MEETING MINUTES

1. CALL TO ORDER AND ROLL CALL

Committee Chair Stacy Blakley called the meeting to order at 10:00 A.M.

Board Members

Present:

Freda Hardage
Jim Durrett
Roderick Frierson
Russell McMurry¹
Stacy Blakley
Thomas Worthy
William Floyd
Rita Scott
Rod Mullice
Valencia Williamson
Jennifer Ide
Jacob Tzegaegbe
Jannine Miller¹

Board Members

Absent:

Al Pond
Kathryn Powers

Staff Members Present:

Collie Greenwood
Raj Srinath
Melissa Mullinax
Luz Borrero
George Wright
Ralph McKinney
Peter Andrews
Carrie Rocha

¹Russell McMurry is the Commissioner of the Georgia Department of Transportation (GDOT) and Jannine Miller is the Executive Director of the Georgia Regional Transportation Authority (GRTA). Per the MARTA Act, both are non-voting members of the Board of Directors.

Also in Attendance:

Justice Leah Ward Sears, Paula Nash, Jacqueline Holland, Robin Boyd, Larry Prescott, Shelley Peart, Marcus Arnold, Ryan VanSickle, James Hobbs, Kenya Hammond, Tyrene Huff and Phyllis Bryant

2. APPROVAL OF THE MINUTES

Approval of the February 23, 2023 Planning and Capital Programs Committee Minutes.

Approval of the February 23, 2023 Planning and Capital Programs Committee Minutes. On a motion by Board Member Tzegaegbe, seconded by Board Member Durrett, the motion passed by a vote of 7 to 0 with 2 members abstaining and 9 members present.

3. RESOLUTIONS

Resolution Authorizing the Disposal of Permanent Easements to the Georgia Department of Transportation (GDOT) in the amount of \$49,800.00 for Traffic Signal Upgrades at four tracts along SR 29/Lee Street within GDOT Parcel 6, MARTA Parcel D4186B, Fulton County, Atlanta GA

Approval of the Resolution Authorizing the Disposal of Permanent Easements to the Georgia Department of Transportation (GDOT) in the amount of \$49,800.00 for Traffic Signal Upgrades at four tracts along SR 29/Lee Street within GDOT Parcel 6, MARTA Parcel D4186B, Fulton County, Atlanta GA On a motion by Board Member Tzegaegbe, seconded by Board Member Frierson, the resolution passed by a vote of 7 to 0 with 2 members abstaining and 9 members present.

Resolution Authorizing Award of a Contract for the Procurement of I-285 Top End BRT Planning Study, RFP P50012

Approval of the Resolution Authorizing Award of a Contract for the Procurement of I-285 Top End BRT Planning Study, RFP P50012 On a motion by Board Member Hardage, seconded by Board Member Williamson, the resolution passed by a vote of 7 to 0 with 2 members abstaining and 9 members present.

Resolution Authorizing the Award of a Contract for the Procurement of General Planning Consulting Services, RFP P50097

Approval of the Resolution Authorizing the Award of a Contract for the Procurement of General Planning Consulting Services, RFP P50097 On a motion by Board Member Durrett, seconded by Board Member Hardage, the resolution passed by a vote of 7 to 0 with 2 members abstaining and 9 members present.

Resolution to Approve a Framework to Guide Completing a Comprehensive Bus Network Redesign

Approval of the Resolution to Approve a Framework to Guide Completing a Comprehensive Bus Network Redesign On a motion by Board Member Ide, seconded by Board Member Mullice, the resolution passed by a vote of 10 to 0 with 2 members abstaining and 12 members present.

Resolution to Approve the Locally Preferred Alternative (LPA) for the Atlanta Streetcar East Extension Project

Approval of the Resolution to Approve the Locally Preferred Alternative (LPA) for the Atlanta Streetcar East Extension Project On a motion by Board Member Hardage, seconded by Board Member Williamson, the resolution passed by a vote of 9 to 0 with 3 members abstaining and 12 members present.

Resolution Authorizing the Solicitation of Proposals for the Procurement of System-wide Communications Based Train Control (CBTC), RFP P50319

Approval of the Resolution Authorizing the Solicitation of Proposals for the Procurement of System-wide Communications Based Train Control (CBTC), RFP P50319 On a motion by Board Member Worthy, seconded by Board Member Durrett, the resolution passed by a vote of 10 to 0 with 2 members abstaining and 12 members present.

Resolution Authorizing the Solicitation of Proposals for the Procurement of Automated Transit Network (ATN) Pilot Project, RFP P50320

Approval of the Resolution Authorizing the Solicitation of Proposals for the Procurement of Automated Transit Network (ATN) Pilot Project, RFP P50320 On a motion by Board Member Ide, seconded by Board Member Hardage, the resolution passed by a vote of 10 to 0 with 2 members abstaining and 12 members present.

4. OTHER MATTERS

None

5. ADJOURNMENT

The Committee meeting adjourned at 11:18 A.M.

Respectfully submitted,



Tyrene L. Huff
Assistant Secretary to the Board



Resolution Authorizing the Disposal of Permanent Easements to the Georgia Department of Transportation (GDOT) in the amount of \$49,800.00 for Traffic Signal Upgrades at SR 29/Lee Street at four tracts, Fulton County, Atlanta GA

Planning & Capital Programs Committee

March 30, 2023

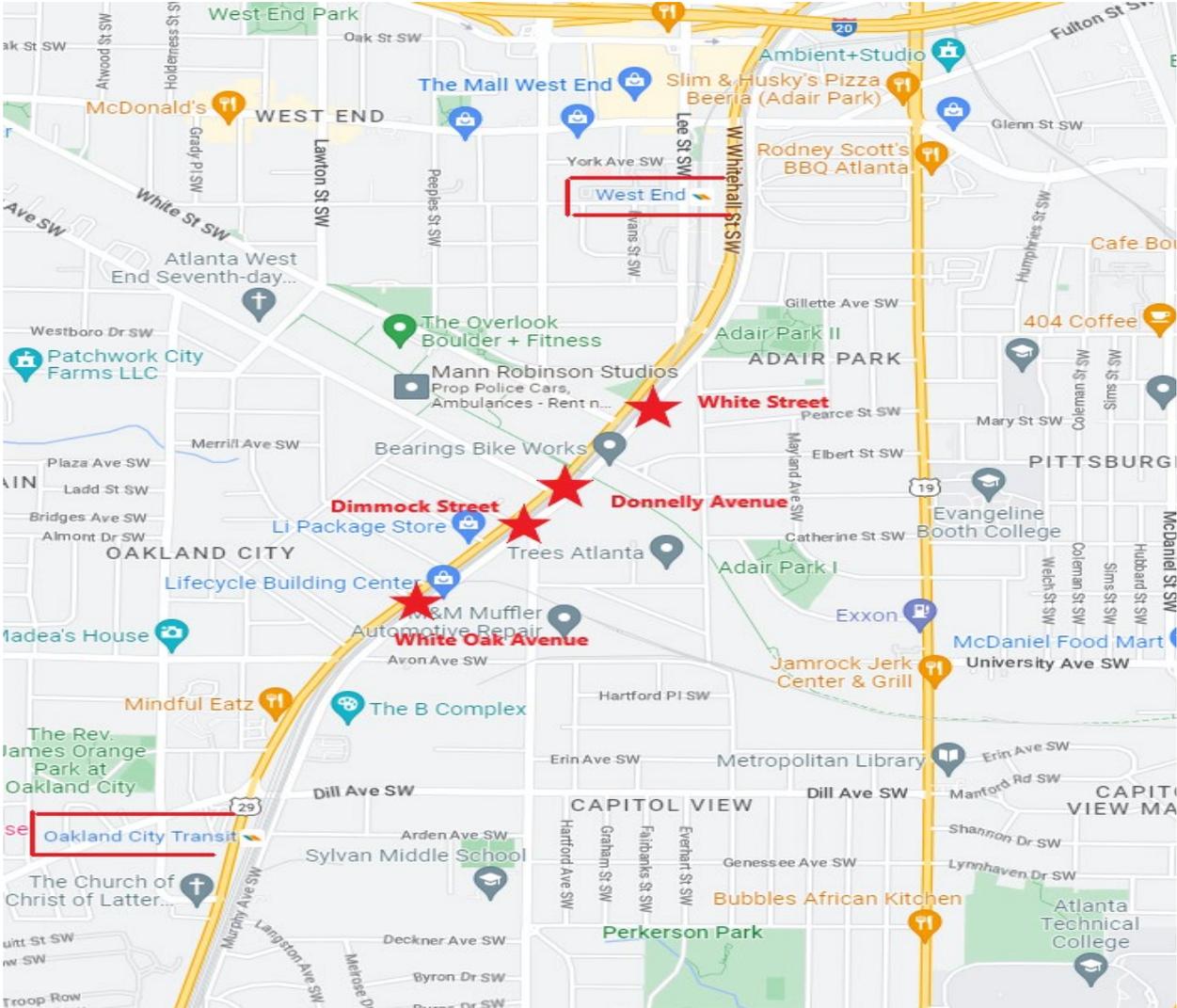
Robin Boyd
Director of Real Estate

Transaction Overview

Purpose	<p>Traffic Signal Upgrades at the following intersections:</p> <p>GDOT Parcel 6 (four locations along Lee St.) in support of SR154/SR29 Traffic Signal Upgrade Project near the West End Rail Station, MARTA Acquisition Parcel S917, Disposal Parcel C4186B, Tax Id N/A:</p> <ul style="list-style-type: none"> • 3,852 square feet • negotiated estimated value of easements = \$49,800.00 • 553,309 sf was acquired in June 1990 for \$ 301,590.00 • Federal Interest Grant GA-03-0023 (77%)
Property	MARTA Parcel C4186B
Structure	Non-Exclusive Easement Agreements
Appraisal	\$49,800.00
Term	Permanent
Acquisition History	S917 - June 1990
FTA Interest	C4186B (GA-03-0023 77%)

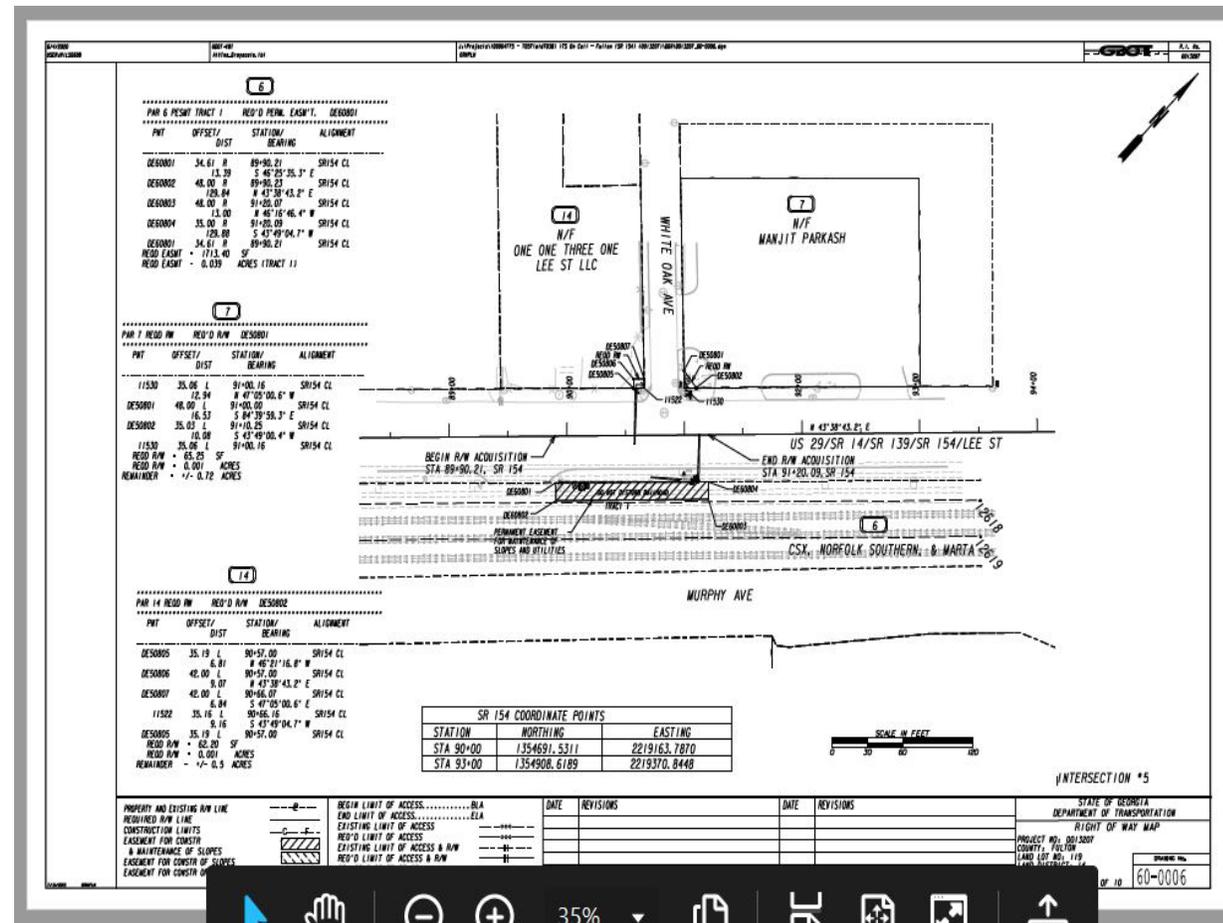
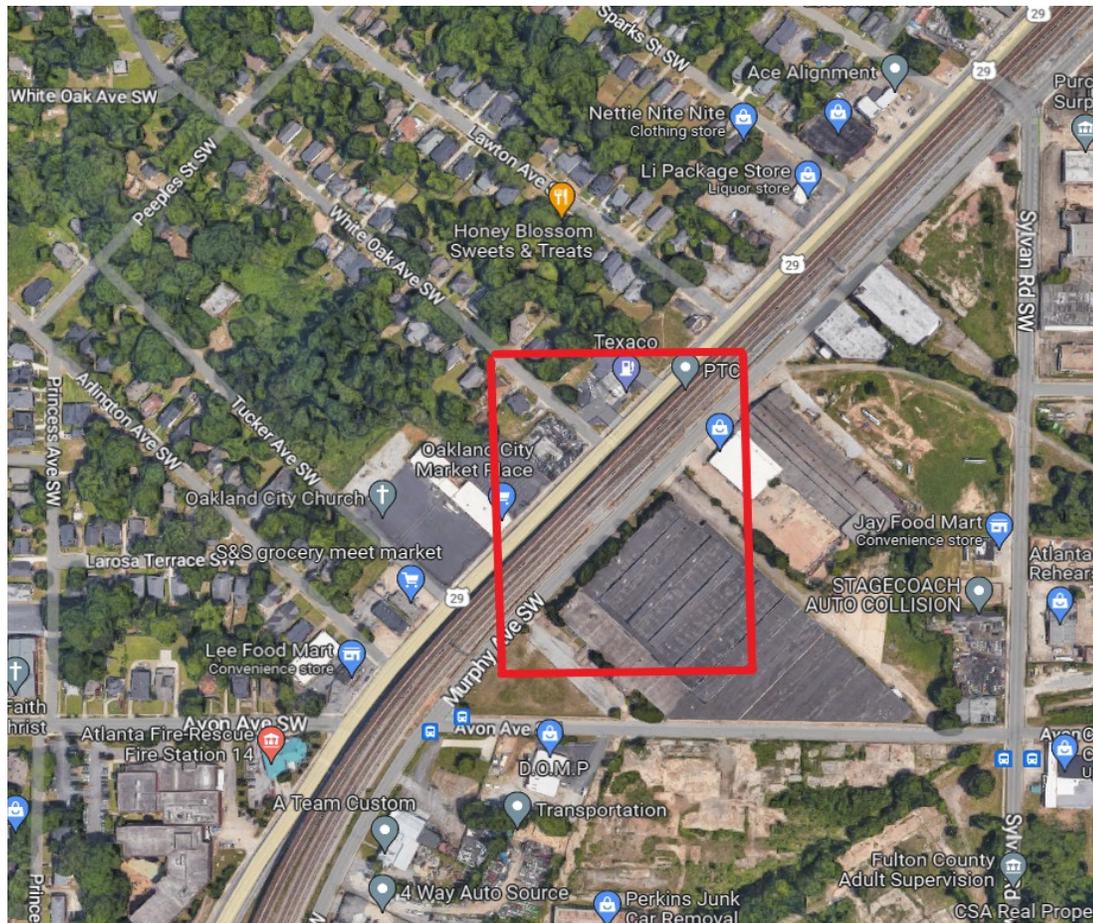
Location Map 1

Proposed Easement Agreement – Oakland City to West End Station



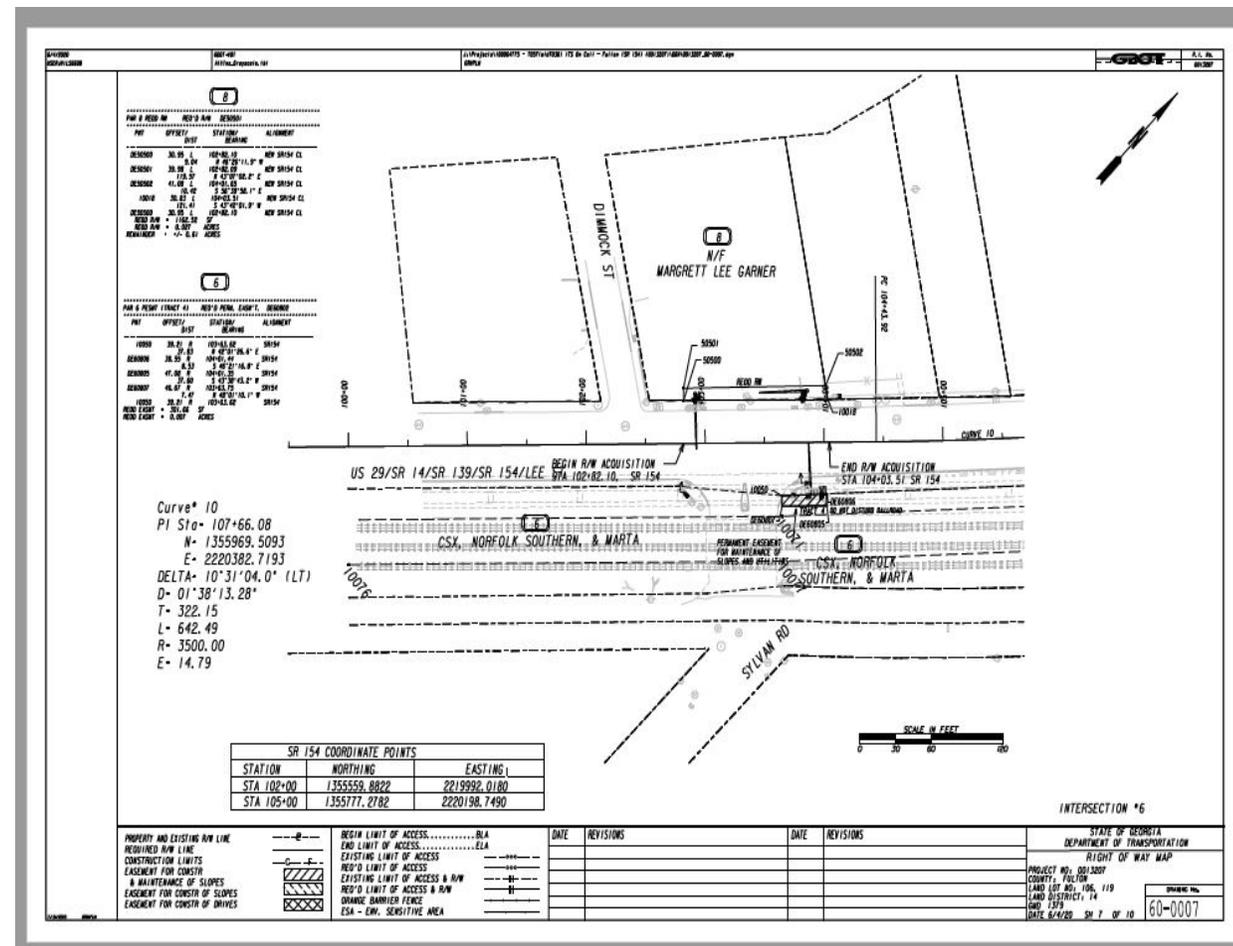
Location Map 1

Proposed Easement Agreement – White Oak Street @ Lee St.



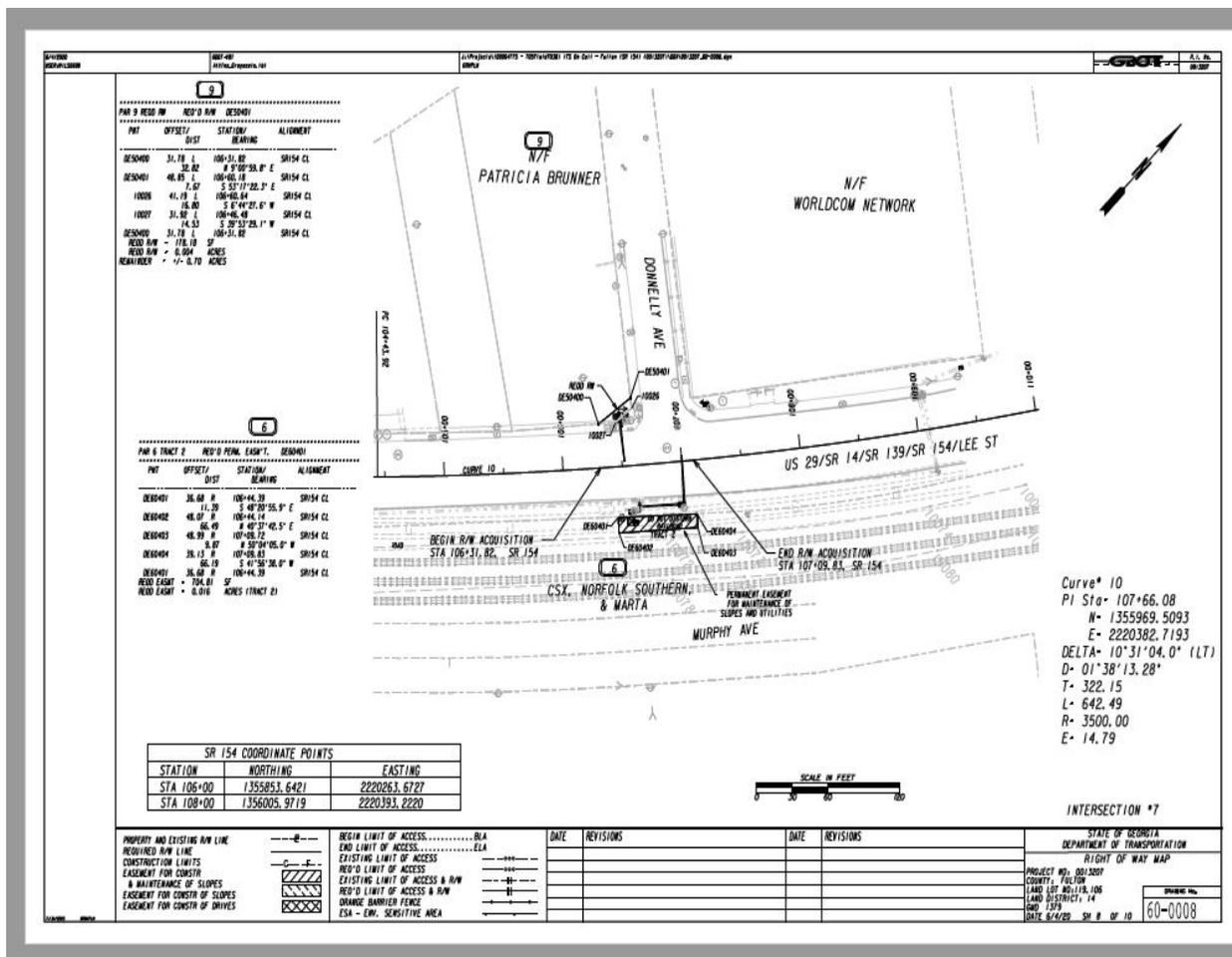
Location Map 2

Proposed Easement Agreement – Dimmock Street @ Lee Street



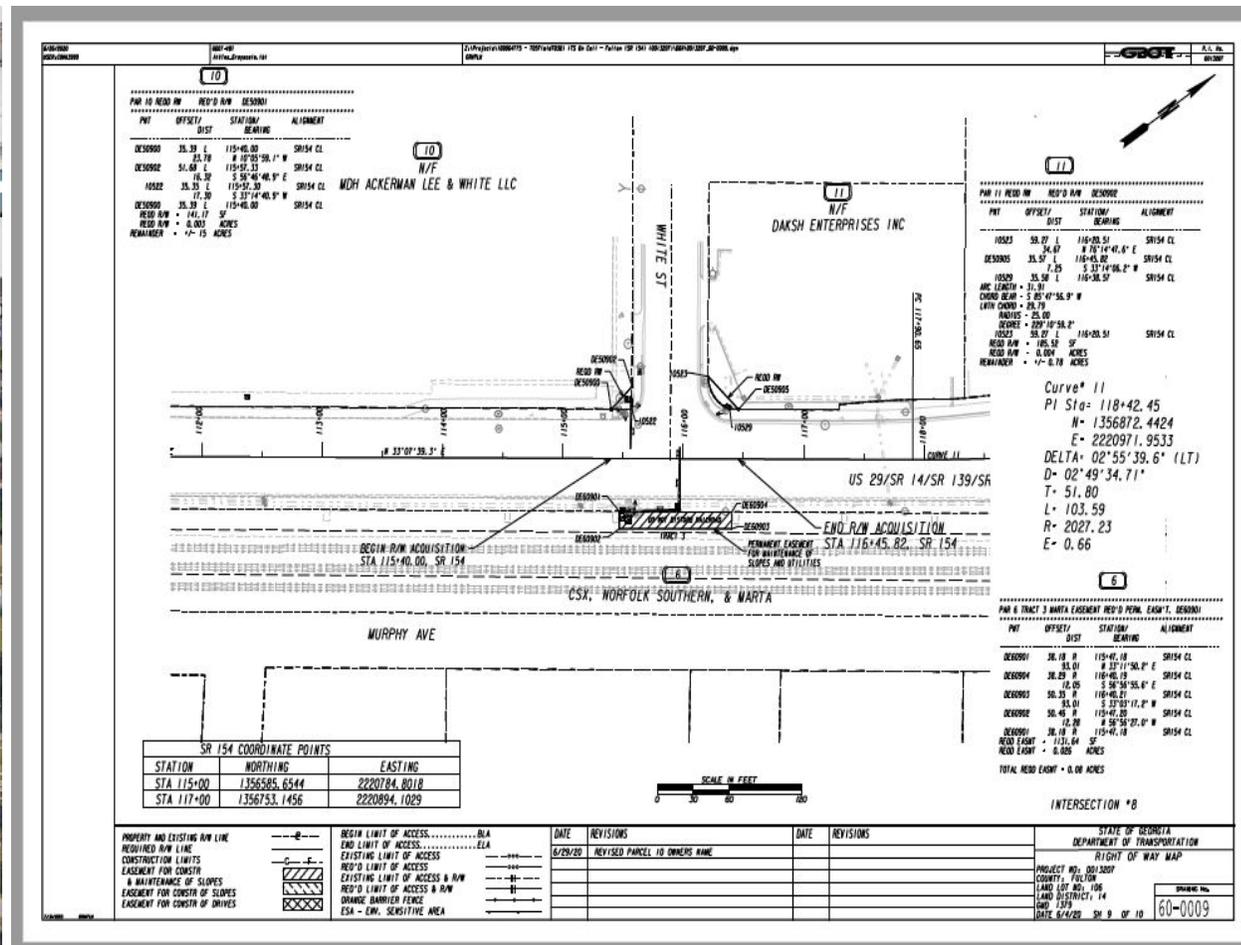
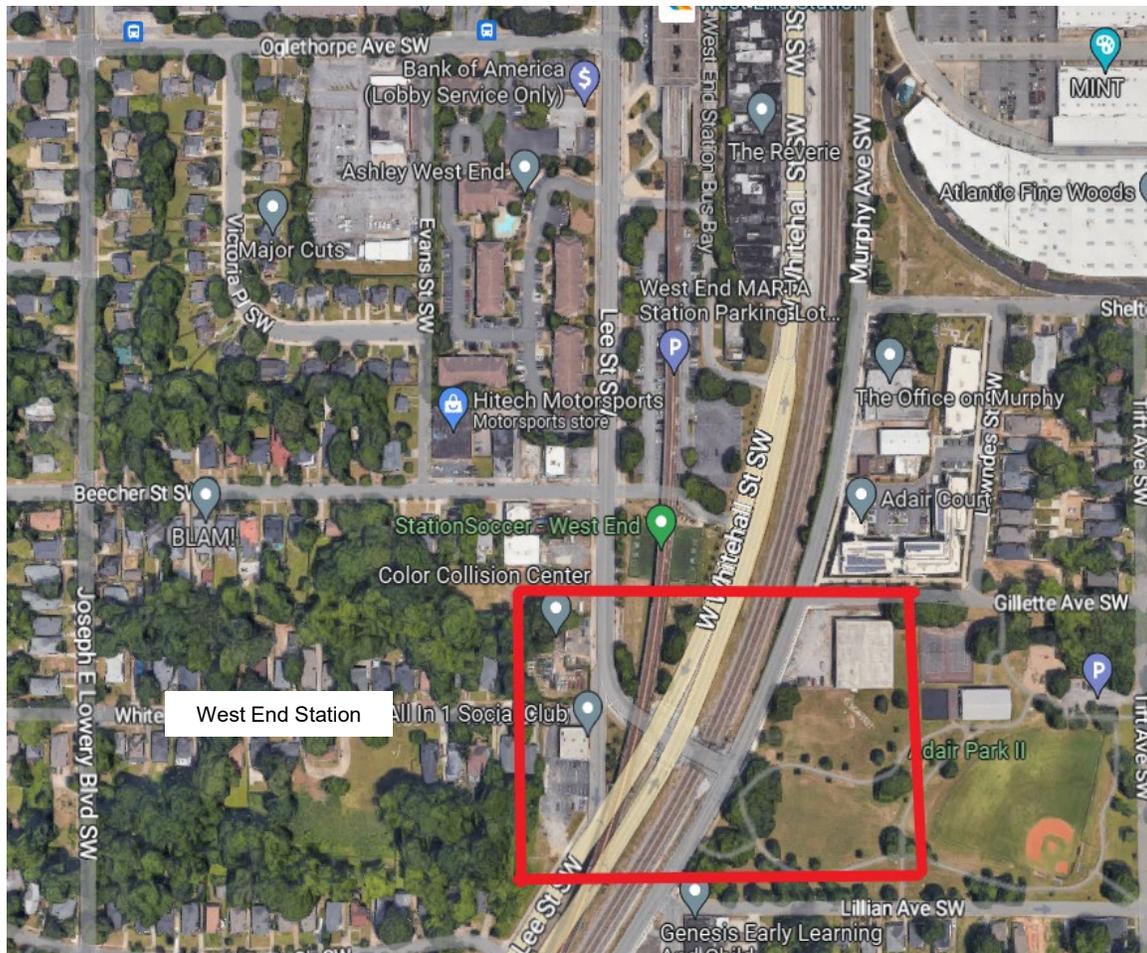
Location Map 3

Proposed Easement Agreement – Donnelly Street @ Lee Street



Location Map 4

Proposed Easement Agreement – White Street @ Lee Street



Request Approval of the Board

Resolution Authorizing the Disposal of Permanent Easements to the Georgia Department of Transportation (GDOT) in the amount of \$49,800.00 for Traffic Signal Upgrades at SR29 Lee Street at four locations, Fulton County, Atlanta GA



Thank You





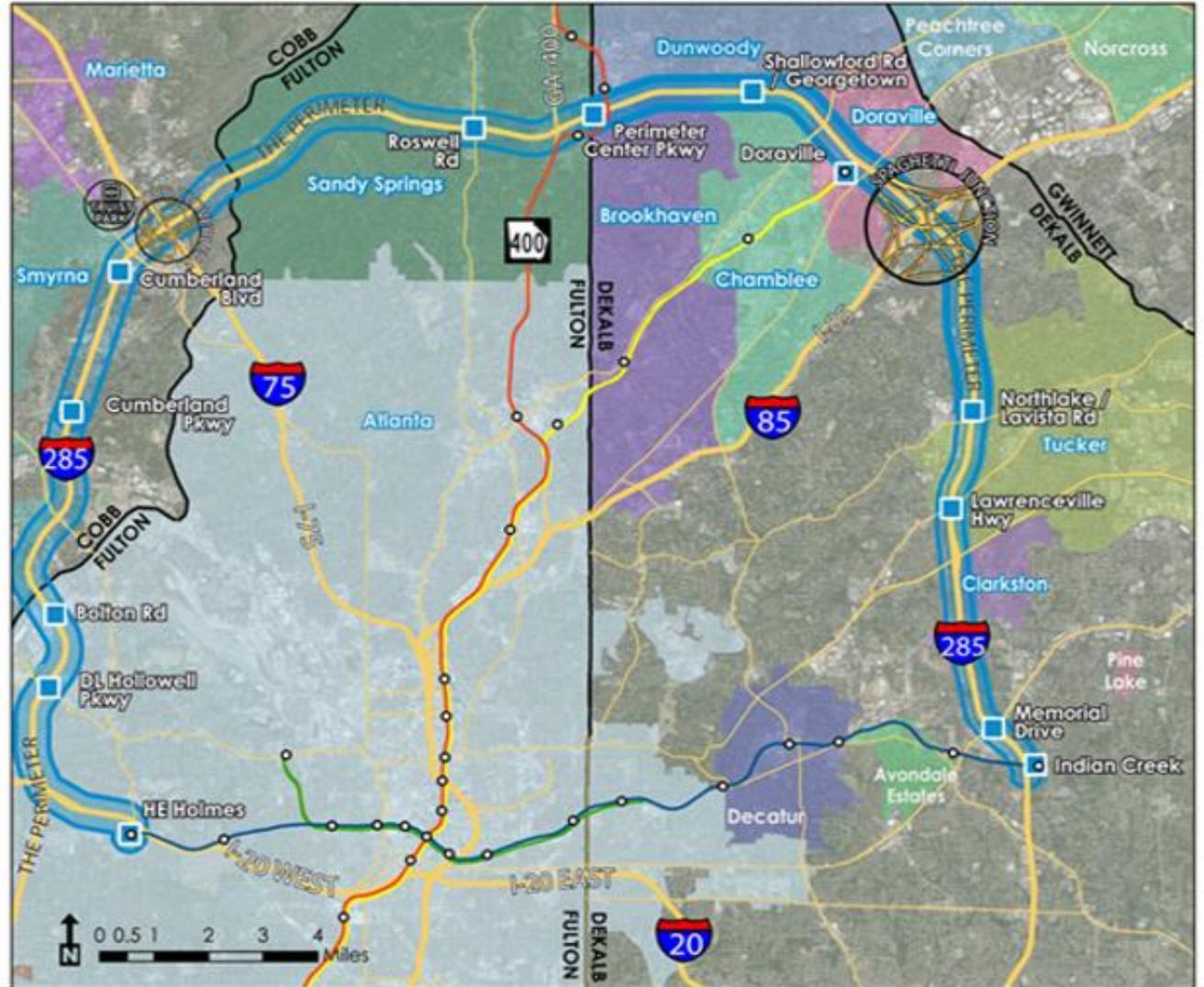
I-285 Top End BRT Study Consultant Selection

Resolution Authorizing Award of
a Contract for the Procurement
of I-285 Top End BRT Planning
Study, RFP P50012

March 30, 2023

Overview

- Georgia DOT selected a new P3 private revenue procurement process combining the I-285 Express Lane from I-20 on the west, across the top end and to I-20 on the east
- ATL provided sponsor funds for this I-285 Top End BRT Planning Study to include ATL, MARTA, GDOT, ARC, Cobb and Gwinnett Counties



Planning Study Services

- Management for visioning, scoping, planning and conceptual engineering
- Public engagement and stakeholder communications
- Coordination with GDOT for components that will coincide with the I-285 Top End Express Lanes MMIP Initiative
- Preferred alternative studies and identification
- Environmental review and analysis
- Capital cost estimates
- Study and recommendations documentation

		Data Collection/ Existing Conditions/ Approach to Alts Analysis					Evaluation of Alternatives					Recom- mend/ Approve LPA			Develop 15% for LPA				
		Alternatives Development																	
Month		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1.0	Project Management																		
2.0	Alternatives Development & Public Engagement																		
2.1	Data Collection and Existing Conditions	█																	
2.2	BRT Alternatives Evaluation	█																	
	a. Develop Evaluation Framework (getting to LPA)	█																	
	d. Assess Proposed Stop Location Concept/ Operating Plans (Evaluate Alternatives)							█											
	e. Recommend Preferred Station Location & Operating Plan (approving an LPA)													█					
3.0	Design Services and Operations Planning																		
3.1	Station Location Validation and Operations Planning																		
	a. Review Previous Work Completed	█																	
	b. Develop 10% Station Plans (22 locations)	█																	
	c. Develop 3 Service Plans	█																	
	d. Develop off-corridor BRT guideway designs	█																	
	e. Develop Conceptual I-285 Ramp and Connection Design	█																	
	h. P3 Coordination	█																	
3.2	Vehicle Specifications	█																	
3.3	Conceptual Design of Stations																	█	



Status

- RFP was advertised December 1, 2022
- On January 30, 2023, the Source Evaluation Committee (SEC) received three (3) qualification statements, two (2) were deemed responsive
- SEC reviewed and scored the responsive proposals between February 10-16, 2023
- Vendor presentations (top 2 proponents) were held on February 28, 2023
- The SEC reconvened on March 3, 2023 and recommended the award to the most qualified proponent



GDOT preliminary rendering

Recommendation

- The SEC recommends the approval of the Resolution Authorizing Award of a Contract for the Procurement of I-285 Top End BRT Planning Study, RFP P50012 with CDM Smith.

CDM Smith Team



Axis Infrastructure - Site
Foursquare ITP– Service/Operations/modeling
 HDR - Roadway
Hummingbird – Public involvement
Lumenor Consulting Group - Environmental

Profile Group – Agency/branding/communications
Project Cost Solutions - Estimating
 Service Edge Solutions – GIS
Sycamore – Public involvement
TJ Schell – Landscape Architecture

- The contract term consists of two base years and two one-year options:

Base Term (Two Years)	\$4,450,000
Option Year One	\$1,129,997
<u>Option Year Two</u>	<u>\$1,129,996</u>
Total \$6,709,993	

- The Office of Diversity and Inclusion concurred with ATL’s assignment of a 9.6% minimum Disadvantaged Business Enterprise (DBE) goal on this procurement. **CDM Smith has committed to a 22% DBE goal for this project.**

**Request for approval of the Resolution
Authorizing Award of a Contract for the
Procurement of I-285 Top End BRT
Planning Study, RFP P50012**

Thank You





**A Resolution Authorizing
the Award of Contracts
for the Procurement of
General Planning
Consulting (GPC)
Professional Services,
RFP P50097.**

**Planning & Capital Programs Committee
March 30, 2023**



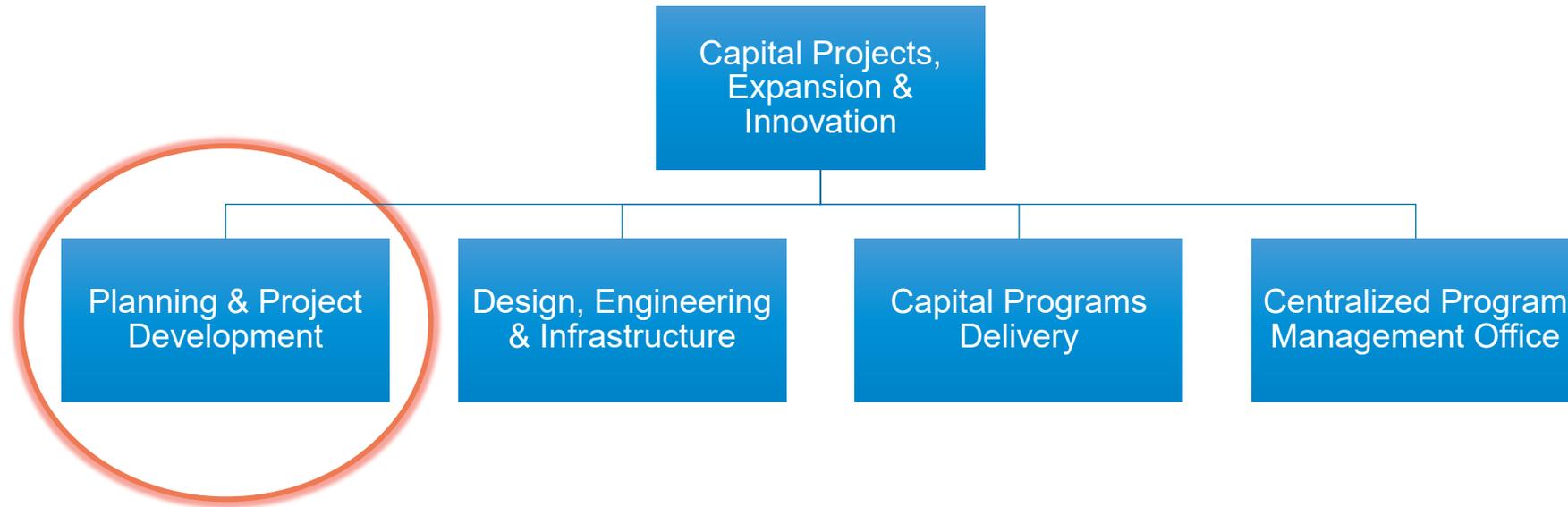
Agenda

- Background
- FY18-23 Contract Accomplishments
- GPC Contract Overview
- GPC Contract Description
- Contract Status
- Staff Recommendations
- Board Action



Background

Planning & Project Development is responsible for the planning, design, and monitoring of bus and rail services; conducting long-range planning which includes ridership modeling, identifying future locations for capital expansion projects, and guiding system expansion projects from initiation through conceptual design, utilizing local and various federal funding processes.



MARTA Board authorized the Planning Support & Technical Services Contract, P39820, in 2018 as a key component in the delivery of the MORE MARTA Expansion program.

Consultant services provide critical support for the development and implementation of Planning & Project Developments' core functions.

FY18-23 Accomplishments

LPA Adopted	30% Design Completed	Final Design Completed	Other
<ul style="list-style-type: none"> • Campbellton Community Investment Corridor • Clayton Southlake Bus Rapid Transit • Clayton SR54 Bus Rapid Transit 	<ul style="list-style-type: none"> • Bankhead Station Platform Extension • Cleveland Ave & Metropolitan Pkwy Arterial Rapid Transit • Clayton Multipurpose Operations & Maintenance Facility • Clayton Justice Center Transit Hub • Streetcar East Extension 	<ul style="list-style-type: none"> • Summerhill Bus Rapid Transit (Transition from Planning to PD continued Environmental Support) 	<ul style="list-style-type: none"> • Support for Bus Stop Amenities projects • Bus Network Redesign • TOD station master planning support (H.E. Holmes, Kensington, Indian Creek) • Federal Opportunity Zone feasibility for TOD within City of Atlanta

GPC Contract Overview

- Supports MARTA Planning Services and Project Implementation
- Advances MARTA 2040 expansion program and state of good repair projects
- Contract amount: \$76M
- Contract length: 3yr base-term + 2 one-year options
- DBE goal: 25%



GPC Contract Description

Provide support for six key functional Planning areas:

- Transit Corridor and Facility Planning
- Communications/Community Engagement
- Transit Service Planning
- Policy Planning
- Community, Environment, and Innovation
- Grant Writing

March 30, 2023



Contract Status

- RFP was solicited November 16, 2022.
- The Source Evaluation Committee (SEC) received 6 proposals on January 18, 2023; scoring was completed by February 13, 2023.
- Presentations were held on March 2, 2023 for top scoring proposals.
- Final recommendation for the award of the GPC was decided by the SEC on March 16, 2023.



Staff Recommendations

- The SEC recommended a multi-recipient award to three (3) firms.
- The contract value is \$76M for a three (3) year base term with two (2) one year options.
- The DBE goal is 25% for each awarded firm and shall be maintained for the duration of the agreement.







Recommended Board Action

Approval of the Resolution Authorizing Award of Contracts for the Procurement of the General Planning Consulting Services, RFP P50097 to HNTB, VHB, and WSP.



Thank You





Resolution to Approve a Framework to Guide Completing a Comprehensive Bus Network Redesign

Planning & Capital Programs
Committee

March 30, 2023





○ Today's Objective

Approval of a **policy framework** that **shapes the bus network redesign project** and guides upcoming work to **plan the new bus network**.

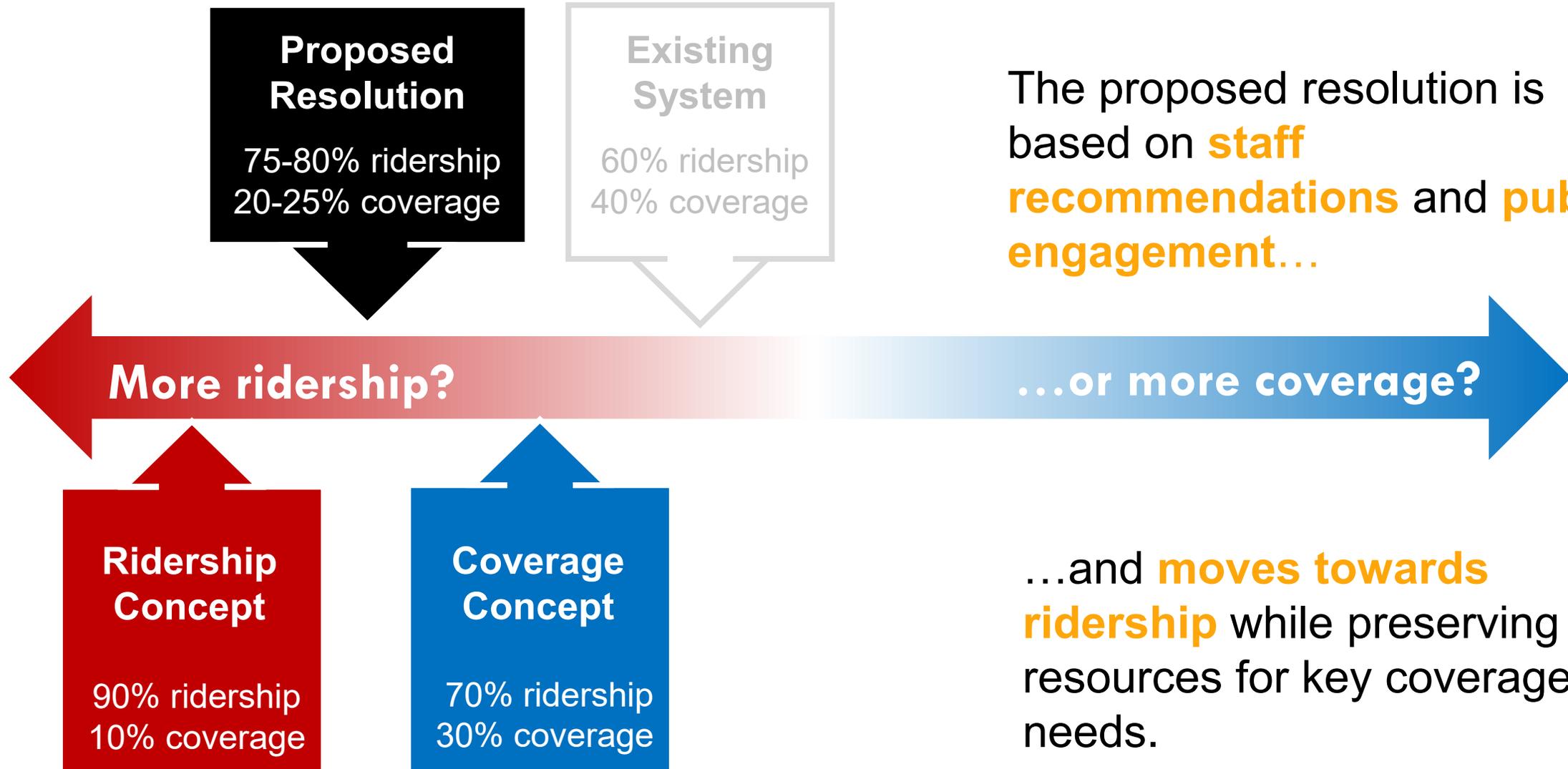
Resolution Overview

The resolution:

- **Affirms the need** for a comprehensive bus network redesign
- **Sets a balance** between ridership (75-80%) and coverage (20-25%)
- **Incorporates the Guiding Principles** and Overriding Considerations
- **Defines Clayton County's role** in the project



Ridership/Coverage Policy



The proposed resolution is based on **staff recommendations** and **public engagement...**

...and **moves towards ridership** while preserving resources for key coverage needs.



Guiding Principles

Expand Access

Expand access to opportunity, so that more people find bus service useful, leading more people to ride, which advances inclusive economic development, environmental stewardship, and positive fiscal impact.

Equity

Go beyond ensuring there are no disparate negative impacts for historically disadvantaged communities by providing quality bus service to reduce disparities, which benefits the entire region in linking access, equity, and growth.

Future Facing

Plan for the community now and in the future, not for the travel patterns of the past.

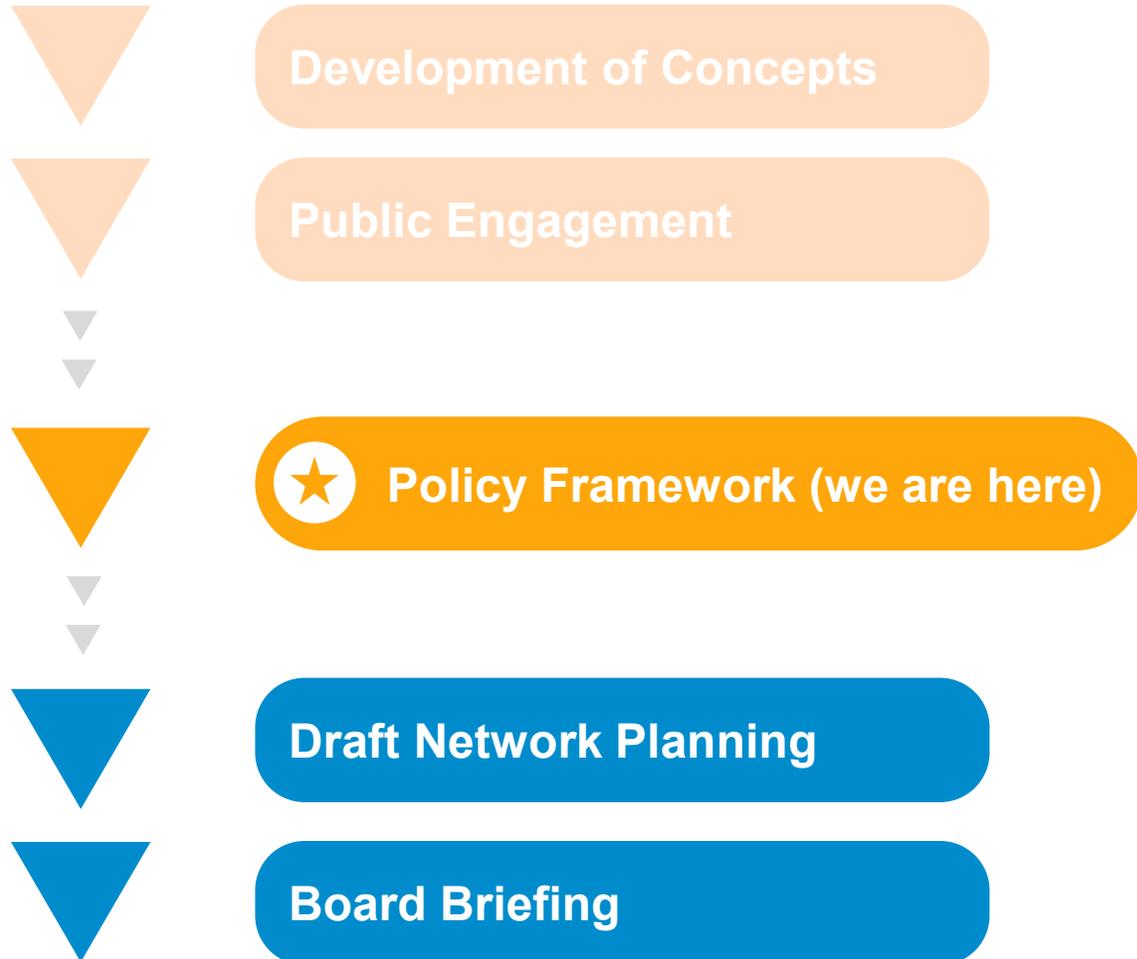
Balance

Find the right balance between the competing goals of ridership and coverage.

Challenges

Accept that while the network will be a net improvement, some customers will object to the changes.

Next Steps



With the **approval of this resolution, the project can proceed** into the Draft Network Planning phase.

Once a draft network is developed, we will **provide an update briefing** to Board members.

Next Steps



Spring 2023 – develop Draft Network Plan



Summer 2023 – public engagement on Draft Network Plan, refinement, equity analysis



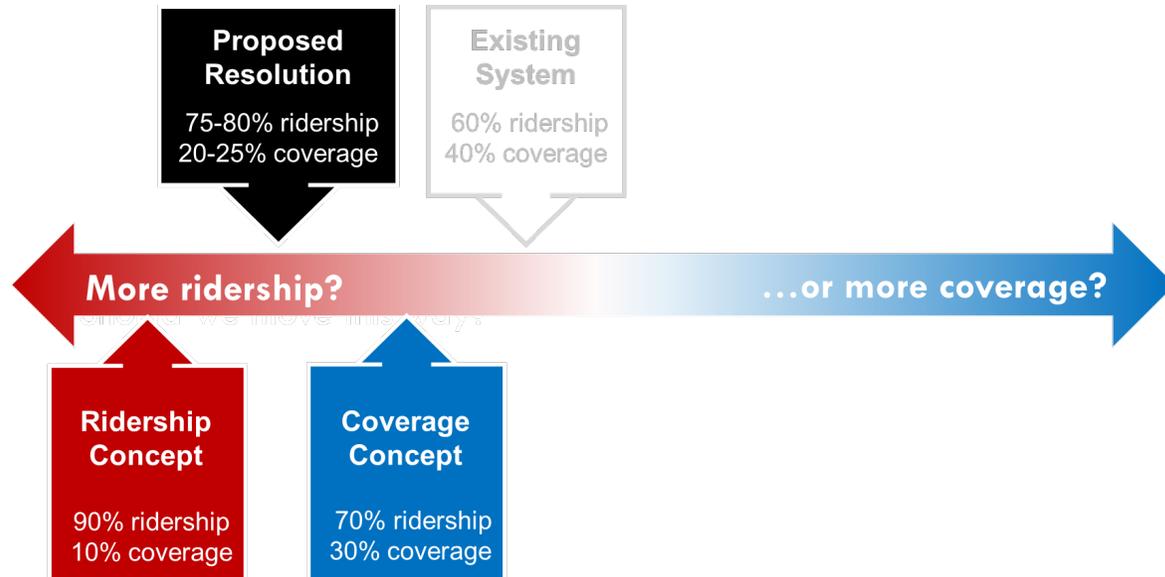
Fall 2023 – with Board approval of the Final Network Plan, at least 6 months of intensive preparation and public education



Spring 2024 – new network launch

Request to Approve

Resolution to Approve a Framework to Guide Completing a Comprehensive Bus Network Redesign



*“...increasing the Ridership-Coverage ratio from the current level of **60% ridership** and **40% coverage** to a ratio in between **75%-80% ridership** and **20-25% coverage**.”*



Thank You



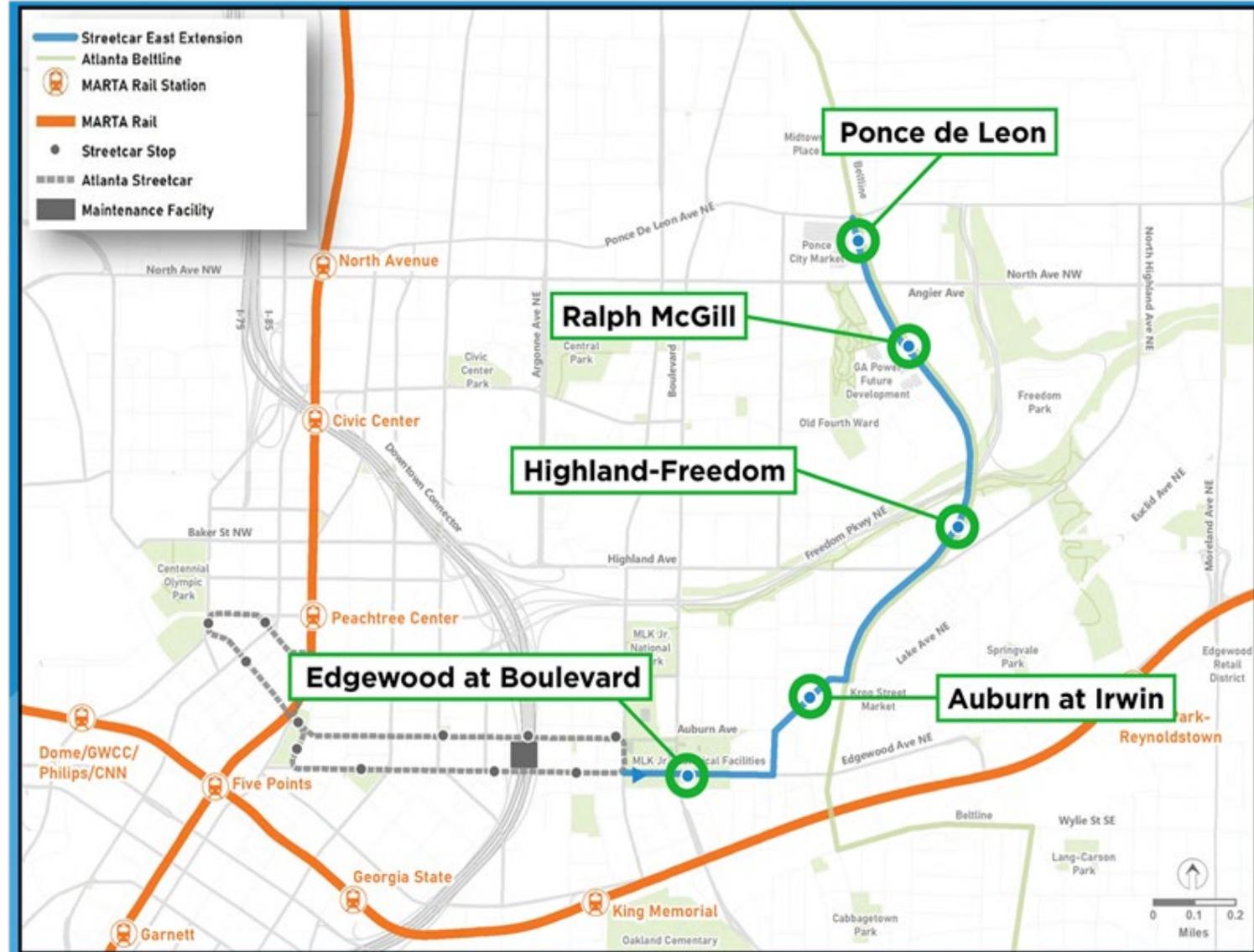


Resolution to Approve the Locally Preferred Alternative for the Atlanta Streetcar East Extension Project

March 30, 2023

Overview

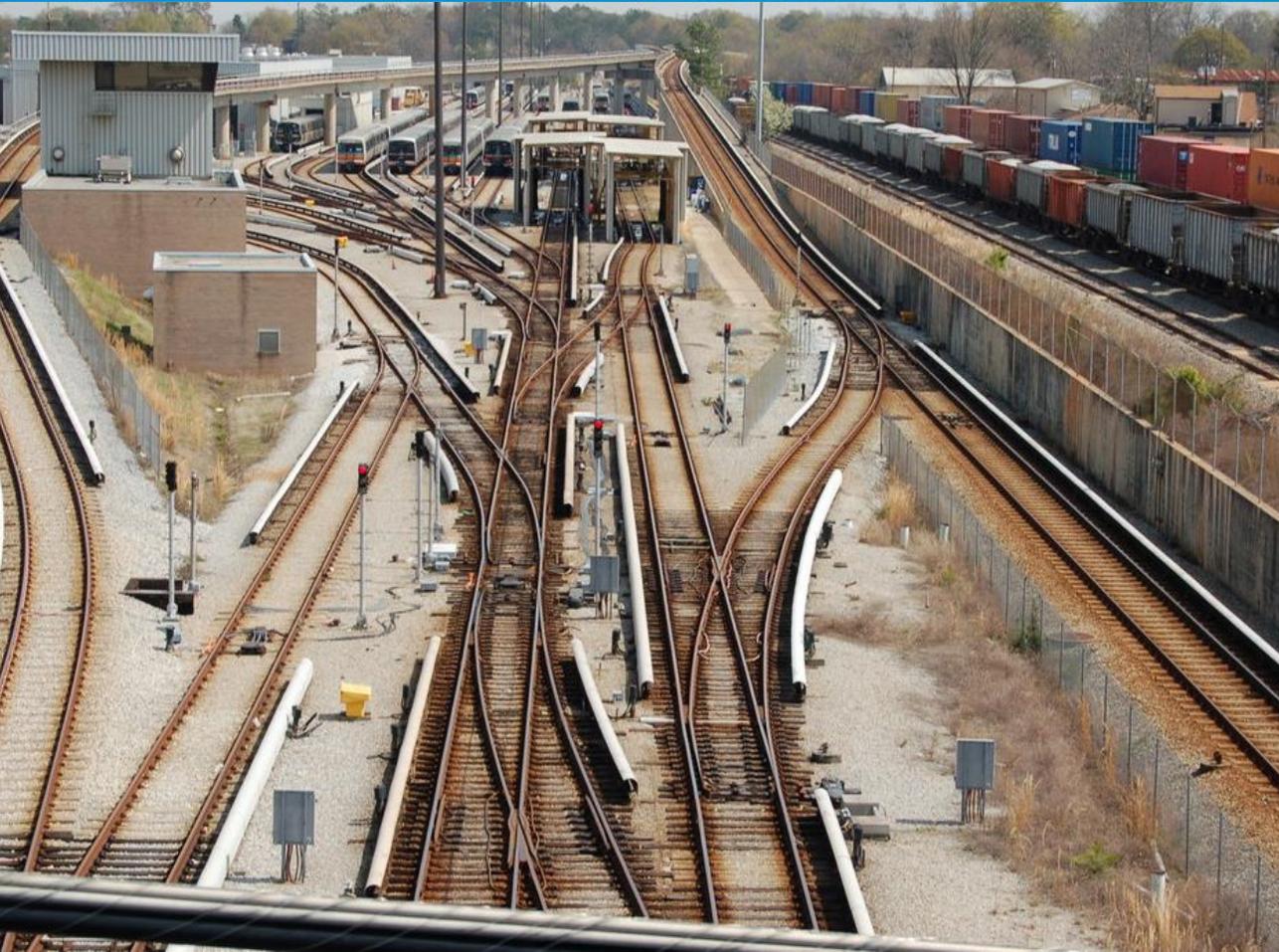
- MARTA seeks approval of the Locally Preferred Alternative for the Atlanta Streetcar East Extension Project.
- The selected alignment will include:
 - Shared transit/roadway lanes
 - Dedicated Atlanta Beltline trackway
 - 5 proposed station stops (10 platforms)
 - Expansion of the existing System/Vehicle Maintenance Facility



Request for the approval of the Locally Preferred Alternative for the Atlanta Streetcar East Extension Project

Thank You



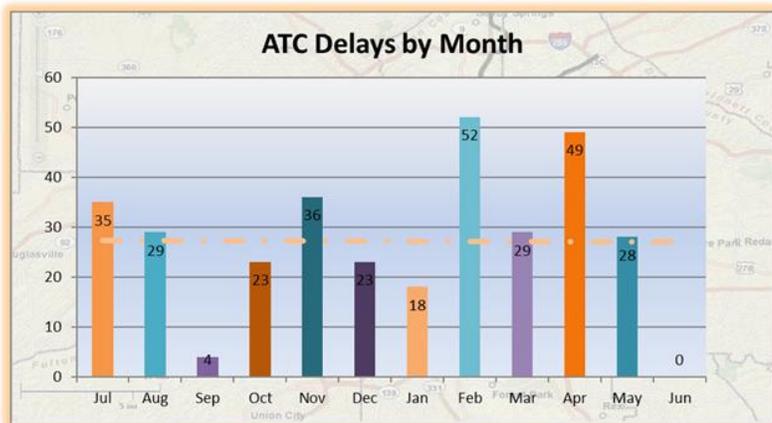
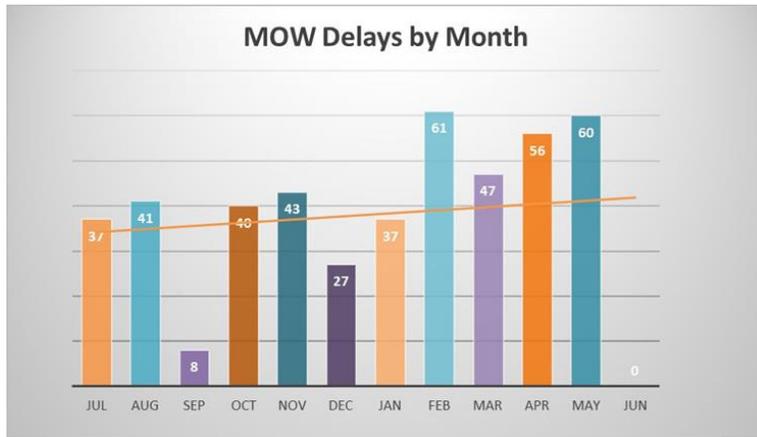


Resolution Authorizing the Solicitation of Proposals for System- wide Communications Based Train Control (CBTC) Program, RFP P50319

March 30, 2023

State of MARTA Train Control

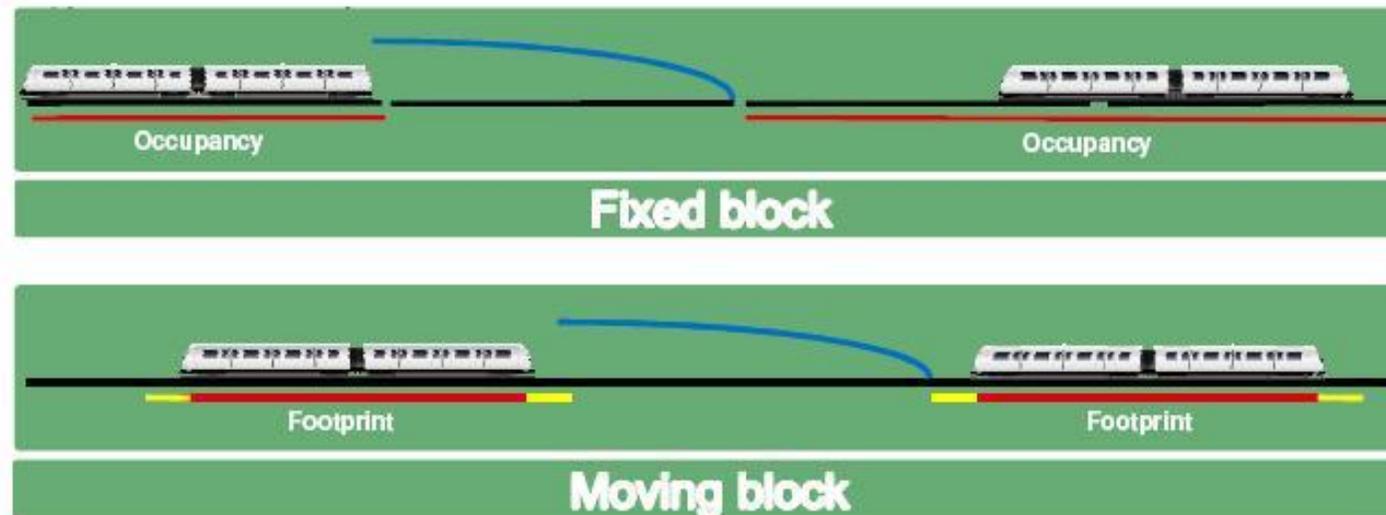
Existing automatic train control (ATC) system has original equipment, 40 years old, operates with fixed blocks of vehicle separation for safety.



- Track circuits and fixed blocks are proven technology, failsafe and function properly
- Majority of MOW delays are due to ATC issues
- System maintenance is hindered by reduced manufacturer support and replacement parts
- Delays will continue to increase as equipment ages and becomes obsolete
- Fixed block system – only 2 suppliers: Hitachi & Alstom
 - Union Switch & Signal – Ansaldo – now Hitachi
 - Older generation equipment not supported with limited spare parts options

Communications Based Train Control - CBTC

- Existing system operates in a fixed block – train operation limited by block size and layout
- “Occupancy” and fixed block length determines train operation spacing



- Moving block (CBTC) – train continually reports location
- More precise train location (with respect to fixed block) allows for shorter train operation spacing

CBTC Advantages

- Additional vendor options: Siemens, Thales, Hitachi, Alstom, Mitsubishi, Stadler
 - *Less reliance on limited supported technology*
- Wayside equipment reduction (up to 40%)
- Overall reduction of maintenance impacts to revenue service
- Improved train location
 - *Movement of trains back to yards more efficiently*
 - *Potential improved tunnel ventilation system response*
 - **Train service schedule improvements**

CBTC Disadvantages

- New work force skillsets
- Central control system replacement
- Additional rail vehicle installation
 - *New rail vehicles currently specified to interface with existing train control and single vendor CBTC hardware*
 - *Vehicle hardware not compatible with other vendor software*
- System transition more complicated
- Need for long-term vendor support

CBTC vs Fixed Block

	CBTC	Fixed Block
ATC Replacement Needed	Yes	Yes
On Time Performance	Improved	Improved
Potential Safety Impact	Improved	No Change
MARTA Service Impact	Improved	No Change
MARTA Maintenance Impact	Improved	No Change
Vendor Options	Multiple	Two
Capital Cost	Higher	Lower
Life-Cycle Cost	Lower	Higher

RFP Considerations

- Going to industry to solicit vendors for their potential at MARTA
- A performance-based format
- Allows vendors to demonstrate how they can meet our needs
- Does not limit vendors to a pre-selected plan
- Promotes industry competition
- Potential saving in reduced schedule for implementation
- Will establish a program to meet the needs of our future system
 - Mapping out the costs for design, installation, O&M and schedule

**Request for the approval of the
Resolution Authorizing the
Solicitation of Proposals for System-
wide Communications Based Train
Control (CBTC) Program, RFP P50319**

Thank You





Automated Transit Network (ATN) Solicitation

Resolution Authorizing the Solicitation of Proposals for the Automated Transit Network (ATN) Pilot Project, RFP P50320

March 30, 2023



What is Automated Transit Network (ATN)?

- On-demand or scheduled service
- 1 vehicle, accommodating 1-6 passengers
- 15-25 mph average speed
- Network (typical) or corridor configuration
- Rubber tire on concrete, suspended steel rail or supported steel rail
- On-board battery or electric third rail



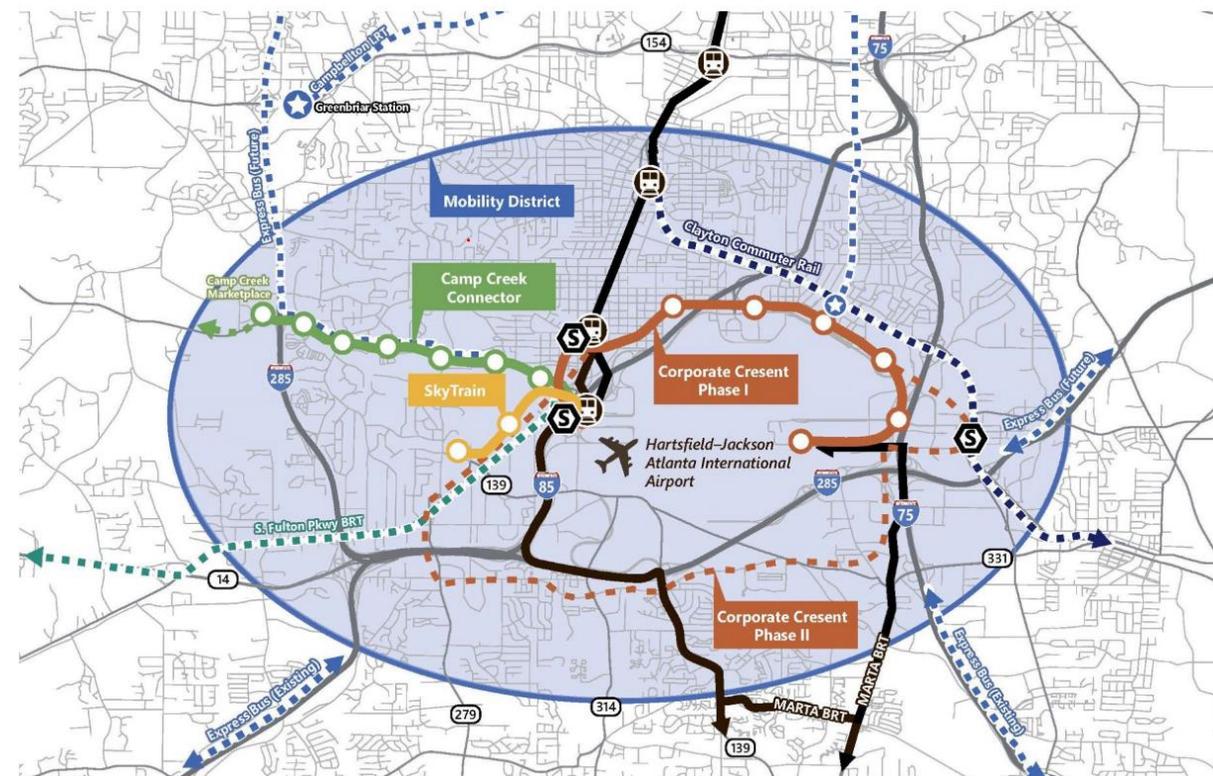
Background

- Partnership with the ATL Airport Community Improvement Districts (AACIDs)
- Serve Clayton and South Fulton County by improving mobility and reducing pollution and greenhouse gases
- Research conducted on automated guideway technologies, including Automated Transit Network (ATN)
- Understand feasibility and project-specific objectives
- 75-100 stations with alignments identified in the study area
- Pilot project 5-25 stations for initial deployment



ATL AIRPORT COMMUNITY IMPROVEMENT DISTRICTS

Growing Together. Raising Value.



Automated Transit Network (ATN) Pilot Project

- Connection between Domestic and International Terminals at the Hartsfield-Jackson Atlanta International Airport
- Develop the process, documentation and plans necessary to select and procure the preferred vendor
- Evaluate bids and recommend award to the best-qualified team
- Allow bidders to suggest alternative layouts, structures, operational and payment/profit sharing methodologies
- Serve as a basis for expanding the project as needed by providing similar services to those for additional phased expansion projects

Request for approval of the Resolution Authorizing the Solicitation of Proposals for the Automated Transit Network (ATN) Pilot Project, RFP P50320



Thank You

