



Project Brief: Summerhill Bus Rapid Transit (BRT)

Marsha Anderson Bomar
Office of AGM Capital Programs Delivery

Greg Holder
Project Manager, Capital Programs Delivery

Ashley Lickliter
Designer, Kimley-Horn

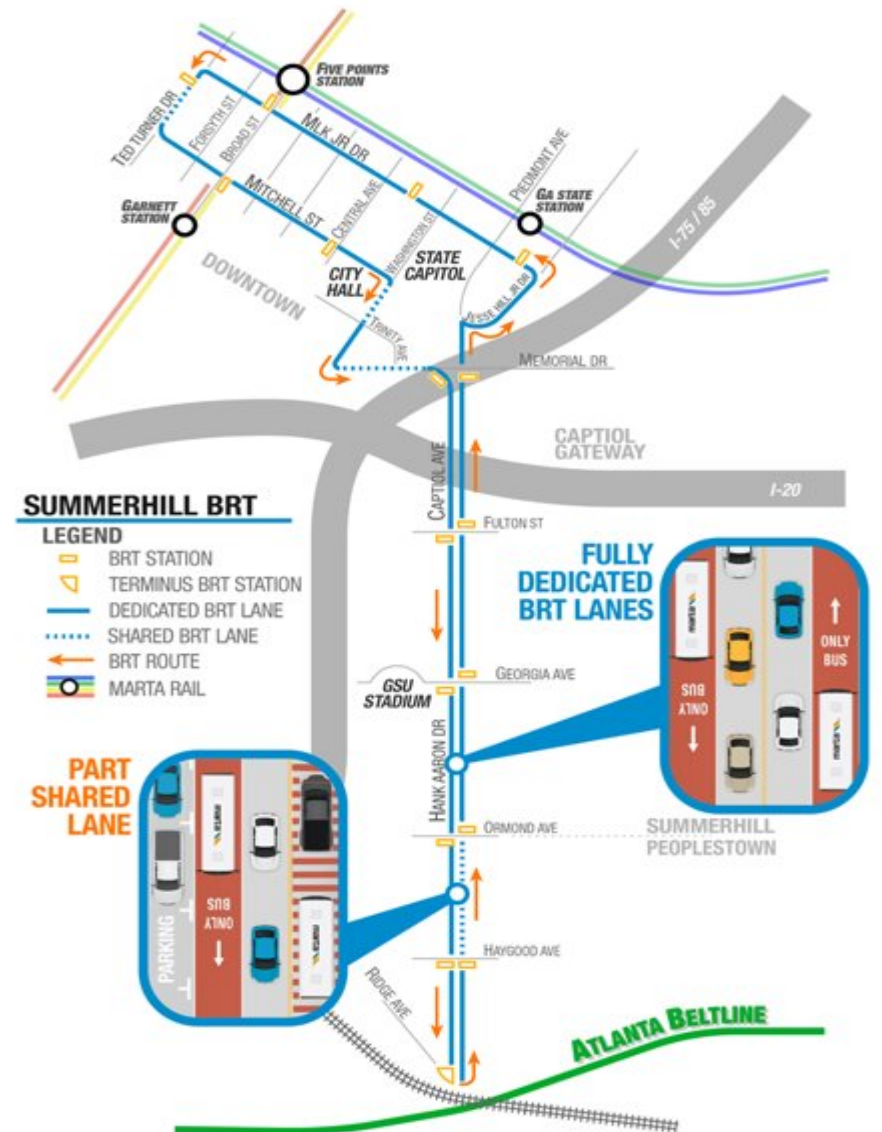
AGENDA

- **What is the project?**
- **Who is involved in getting this done?**
- **What are the details?**
- **How much will it cost?**
- **What is the schedule?**



PROJECT OVERVIEW

- **4.8 Miles Roundtrip; Roadway Travel**
- 17 Bus Stops; 0.30 Miles Between Stops
 - ❖ Includes shelter, benches, signage, emergency phone, ticket vending, real-time bus information, CCTV
- 60-Foot Articulated Electric Buses
- Sidewalk / Right-of-Way Availability
- Traffic Signal Prioritization
- 85%(+) Dedicated Lanes
- 10-12 Minute Headways
- **BRT Stop Access to 3 MARTA Rail Stations**
- Close Proximity to the Atlanta Beltline



MARTA ORGANIZATION AND MANAGEMENT

Project Director

- ❖ AGM Marsha Anderson Bomar

Project Manager

- ❖ Greg Holder (Capital Programs Delivery)

Responsible Managers

- ❖ Bryan Hobbs (Planning Manager)
- ❖ Corey Brown (Design Manager)
- ❖ Ken Beeler (Construction Manager)
- ❖ Paul Franklin (Risk Manager)

Technical Manager

- ❖ AGM Larry Prescott

Project Safety & Security

- ❖ Deputy Chief Gena Major
- ❖ Chief Michael Kreher

Property Acquisition

- ❖ Robin Boyd

Utility Coordinator

- ❖ Cedric McKitt

OVERALL ORGANIZATION AND MANAGEMENT

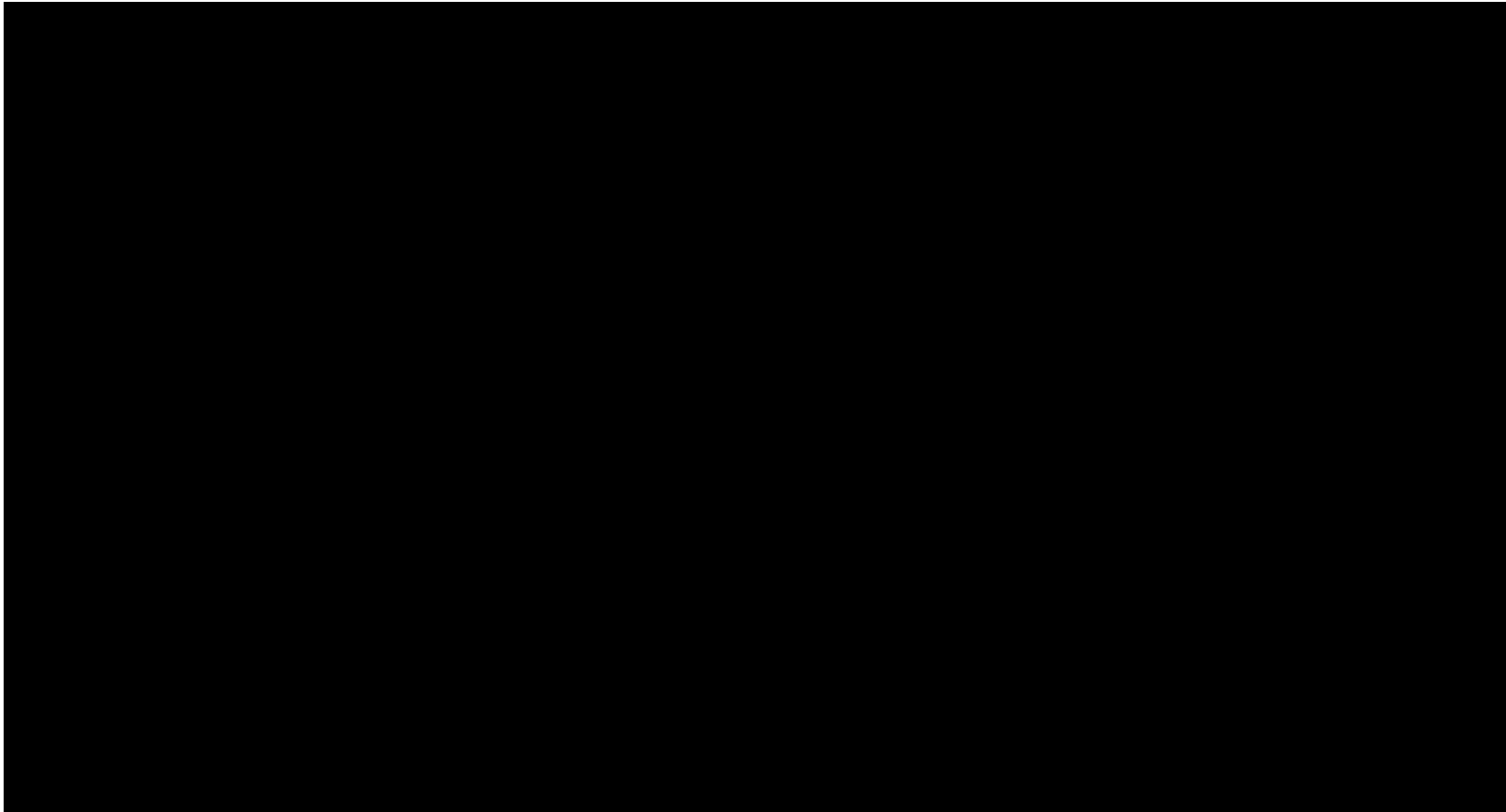
MARTA Committees

- ❖ Executive Committee
- ❖ Safety & Security Certification Committee
- ❖ Fire/Life Safety Committee
- ❖ Capital Budget Change Committee

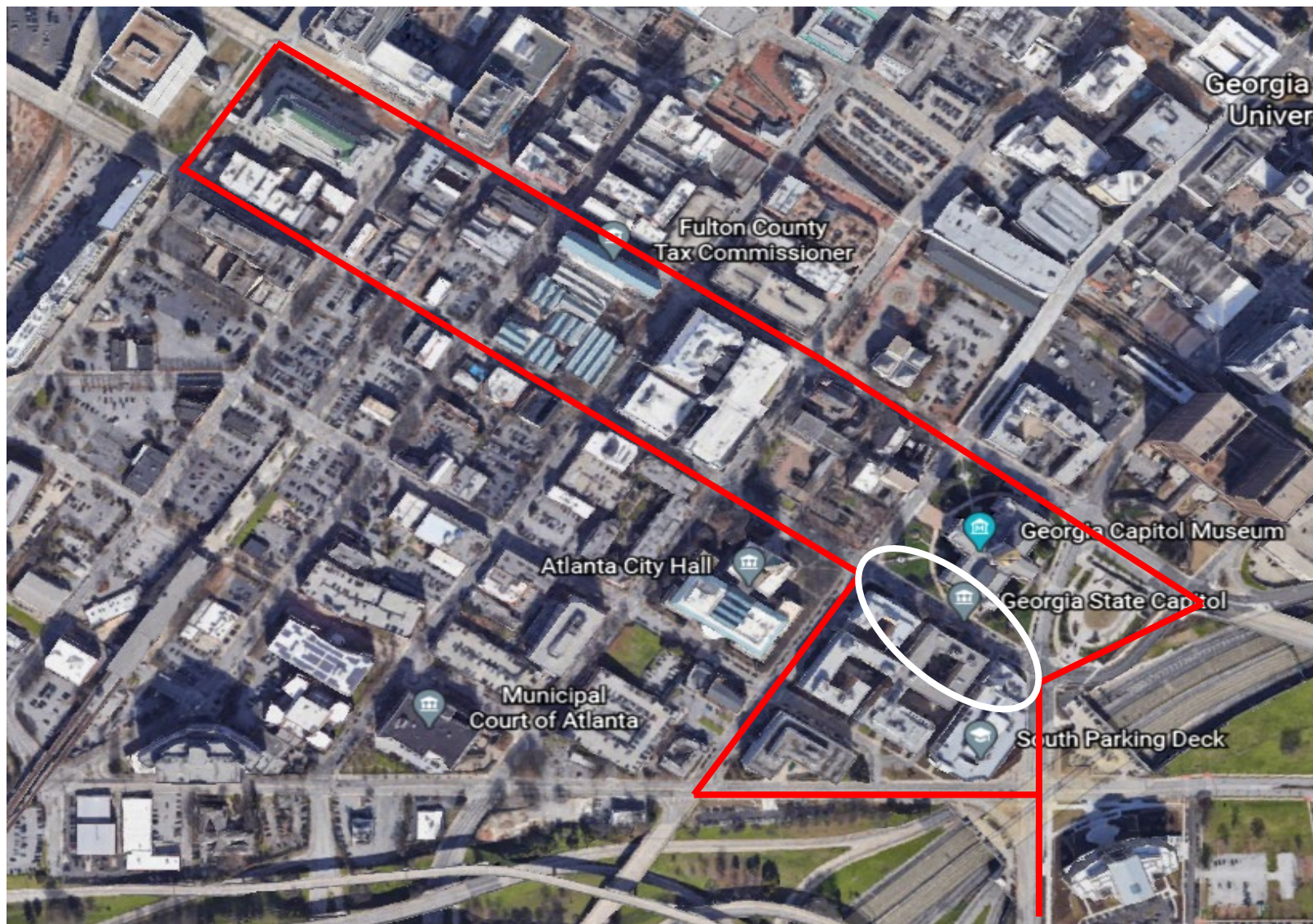
Joint Committees with City of Atlanta

- ❖ Program Governance Committee
- ❖ Project Management Team
- ❖ Project Technical Committee
- ❖ Communications Working Group

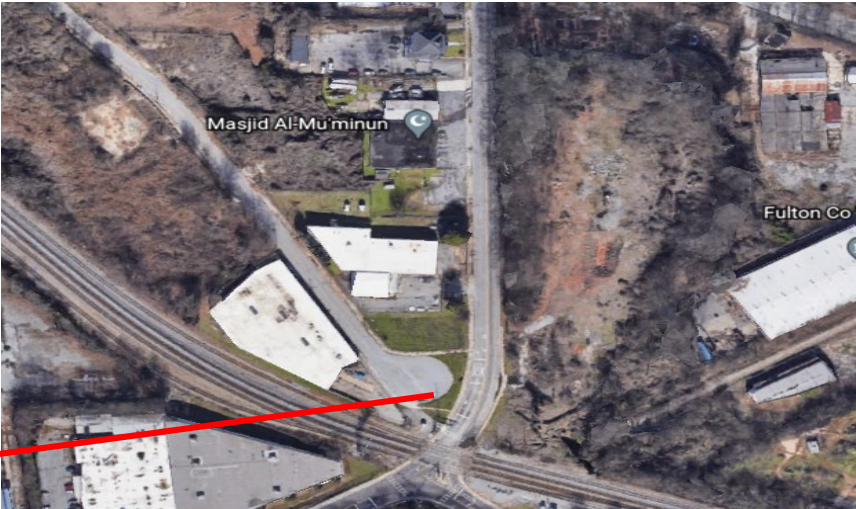
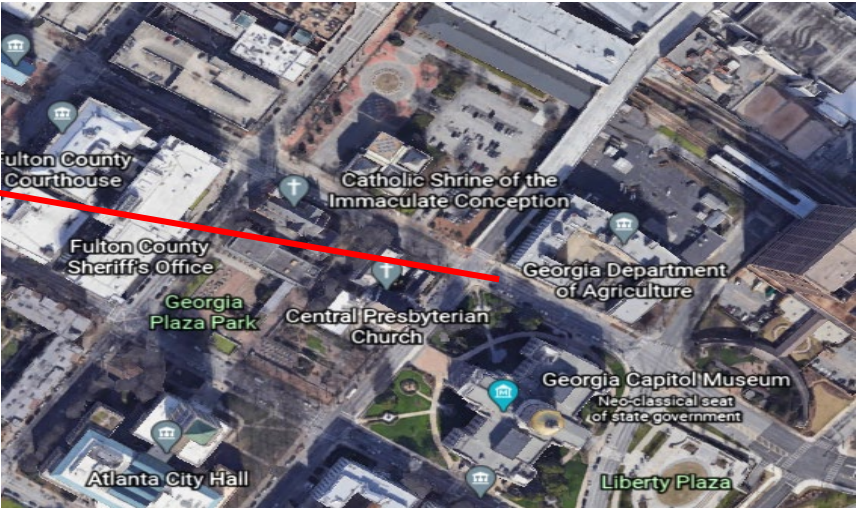
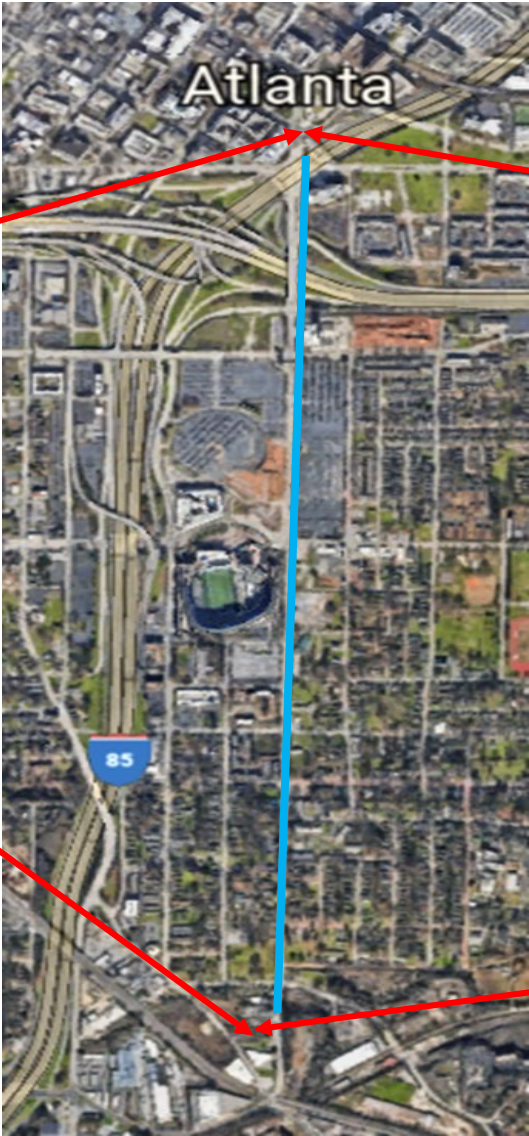
Learning about BRT with LA Metro



ROUTE GOING AROUND THE CAPITOL



PLAN VIEW – FARTHEST POINTS



— N/S Route

CONDITIONS ON HANK AARON



**Hank Aaron
Near Georgia Avenue**



**Hank Aaron
Looking N to Ormond**



**Hank Aaron
S of Weyman**

PROJECTED RIDERSHIP

Daily BRT Ridership Estimates

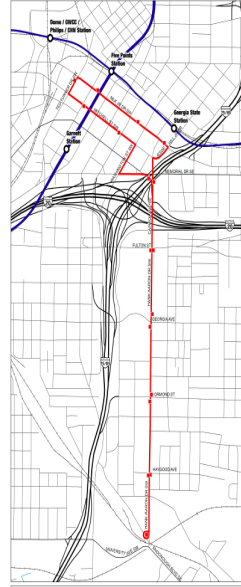
Forecast Year	Alternative 1B
Existing Year (2015)	950 – 1,500
Opening Year (2024)	1,450 – 2,350
Horizon Year (2040)	2,050 – 3,450


GOING FROM PLANNING TO DESIGN @ 30%

- 30% Design
 - ❖ 30% design documents approved by MARTA
 - ❖ City of Atlanta preparing sign-off

- Supporting Documents
 - ❖ Bus Fleet Management Plan (BFMP)
 - ❖ Real Estate Acquisition Management Plan (RAMP)
 - ❖ Safety and Security Management Plan (SSMP)
 - ❖ Safety and Security Certification Plan (SSCP)



METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY







CONTRACT DRAWINGS
SUMMERHILL BUS RAPID TRANSIT
30% DESIGN
CONTRACT NUMBER P39820

SUBMITTAL
MARCH 15, 2021

PREPARED BY:  APPROVED:  DATE: _____

ACCEPTED BY:  APPROVED:  DATE: _____

METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

Legend

- Summerhill BRT Stations
- MARTA Heavy Rail Stations
- Summerhill BRT Route
- MARTA Heavy Rail

PROJECT NUMBER: P39820
 SHEET NO.: 01
 DATE: 01/21

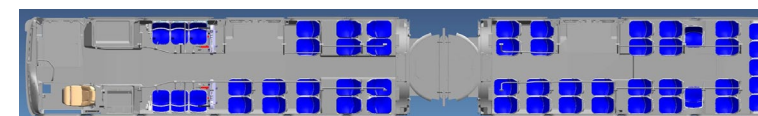
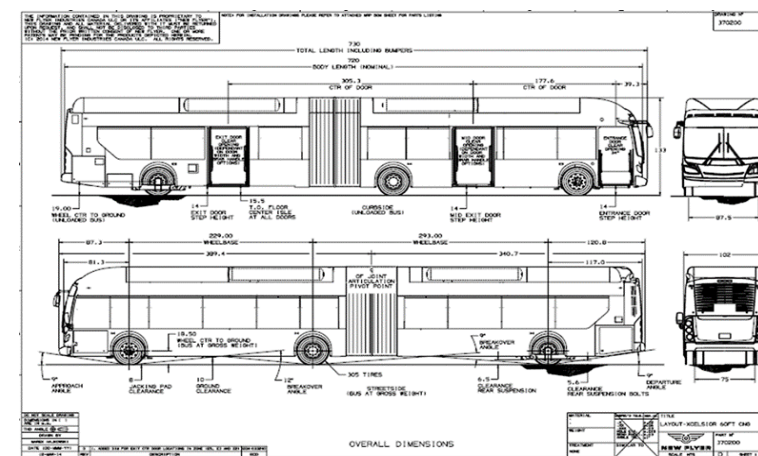
PROJECT OVERVIEW: ELECTRIC BUS

- 60-Foot Articulated Bus Recommended

- ❖ Four for Daily Operations & One Spare (5)

- Activities:

- ❖ Procure Bus Ergonomics Designer 01 Apr 2021 – 14 May 2021
- ❖ Design Bus Ergonomics 08 Jun 2021 – 17 Feb 2022
- ❖ Procure Electric Buses Vendor (IFB) 18 Feb 2022 – 22 Jun 2022
- ❖ Electric Bus Production/Delivery 23 Jun 2022 – 12 Dec 2023



ROW ACQUISITION SCHEDULE

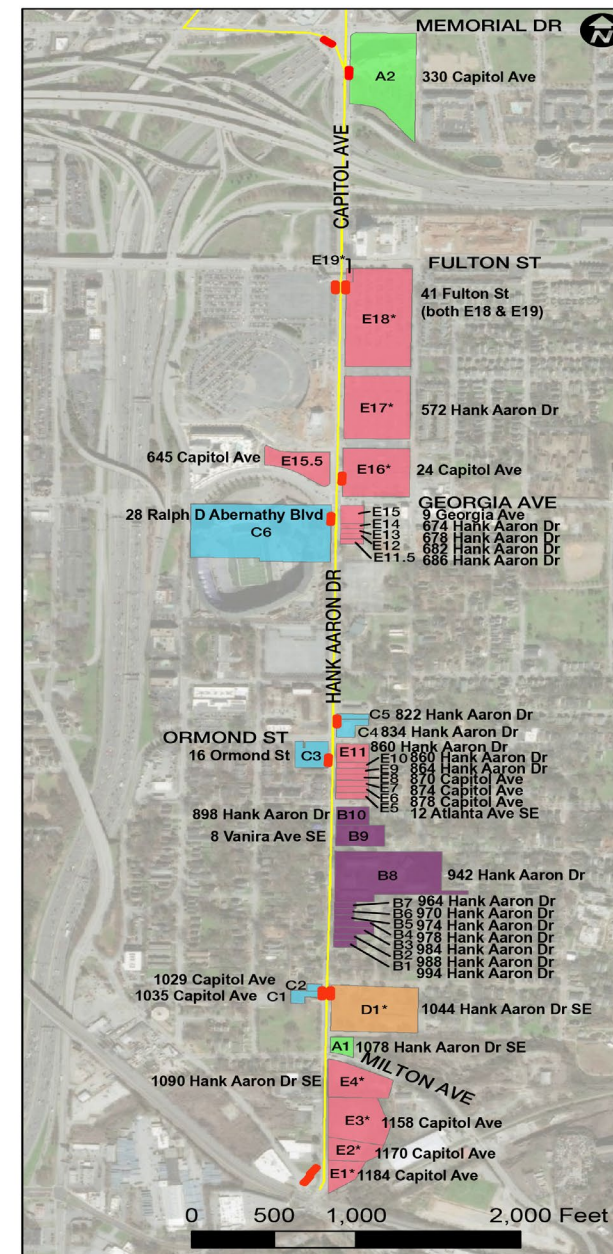
ACQUISITION STEPS	START	END
Property Owner Contact	September-21	September-21
Declaration of Public Use and Necessity	September-21	October-21
Ownership and Title Search	October-21	November-21
Issuance and Delivery of Notice of Intent	November-21	December-21
Appraisal and Inspection Notice	December-21	December-21
Property Appraisals	December-21	December-21
Establishment of Just Compensation	December-21	January-22
Offer of Just Compensation	January-22	February-22
Administrative Settlement	February-22	March-22
Immediate Possession	March-22	May-22
Eminent Domain	March-22	May-22
Legal Settlement	March-22	September-22
Closing	May-22	October-22

Legend

- BRT Route
- BRT Stations

- A Curb Relocation Only (non-Granite)
- B Curb Relocation Only (Granite)
- C ROW only, no Curb Relocation
- D ROW and Curb Relocation (non-Granite)
- E ROW and Curb Relocation (Granite)

* Parcel is under development review with City of Atlanta



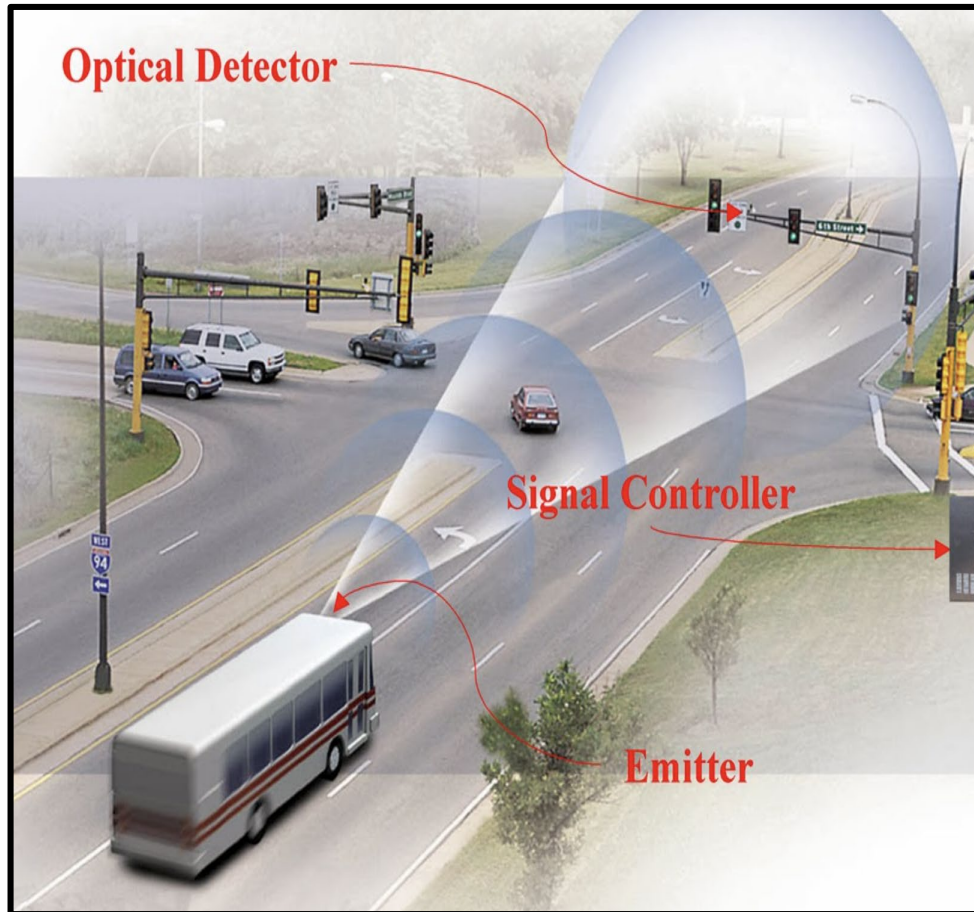
SAFETY AND SECURITY CERTIFICATION

	Required Documentation	Responsibility to Complete Documentation	Responsibility to Review Documentation is Complete	Signature Required By
Design	PHA/TVA Workbook (Microsoft Excel) (Lists hazards and certifiable items)	Project Safety and Security Team	SSCRC	N/A
	Design Criteria			N/A
	Design Criteria Conformance Checklist			N/A
	Design Certificates of Conformance			Safety & Security Team Lead Other
	Open Items List			N/A
Construction	Construction Specification Conformance Checklist	Project Safety and Security Team	SSCRC	Safety & Security Team Lead Other
	Construction Certificates of Conformance			Safety & Security Team Lead Other
Pre-Revenue/ Testing	Testing and Inspection Certificates of Conformance	Project Safety and Security Team	SSCRC	Safety & Security Team Lead Other
	Rules and Procedures Certificates of Conformance			Safety & Security Team Lead Other
	Training and Exercises Certificates of Conformance			Safety & Security Team Lead Other
Start Up	Project Safety and Security Certificate	Project Safety and Security Team	SSCRC	Safety & Security Team Lead MARTA General Manager/CEO
	Final Safety and Security Certification Verification Report			Safety & Security Team Lead MARTA General Manager/CEO

DESIGN PROCUREMENT

- Final Design Consultant selected: **Kimley»»Horn**
- Designer Scope Includes:
 - ❖ Confirm BRT Concept
 - ❖ Traffic Signal Priority
 - ❖ Roadway Modifications
 - ❖ Station Platform Streetscape
 - ❖ Interface with AFC 2.0
 - ❖ BRT Bus Stops Design
 - ❖ Platform Design
 - ❖ Proposed Phasing Plan
 - ❖ Proposed Bid Packaging
 - ❖ Station Amenities
 - ❖ Station Lighting
 - ❖ Utility Investigation & Upgrades
 - ❖ Platform & Roadway Drainage
 - ❖ Station Info Systems
 - ❖ EV Infrastructure Design

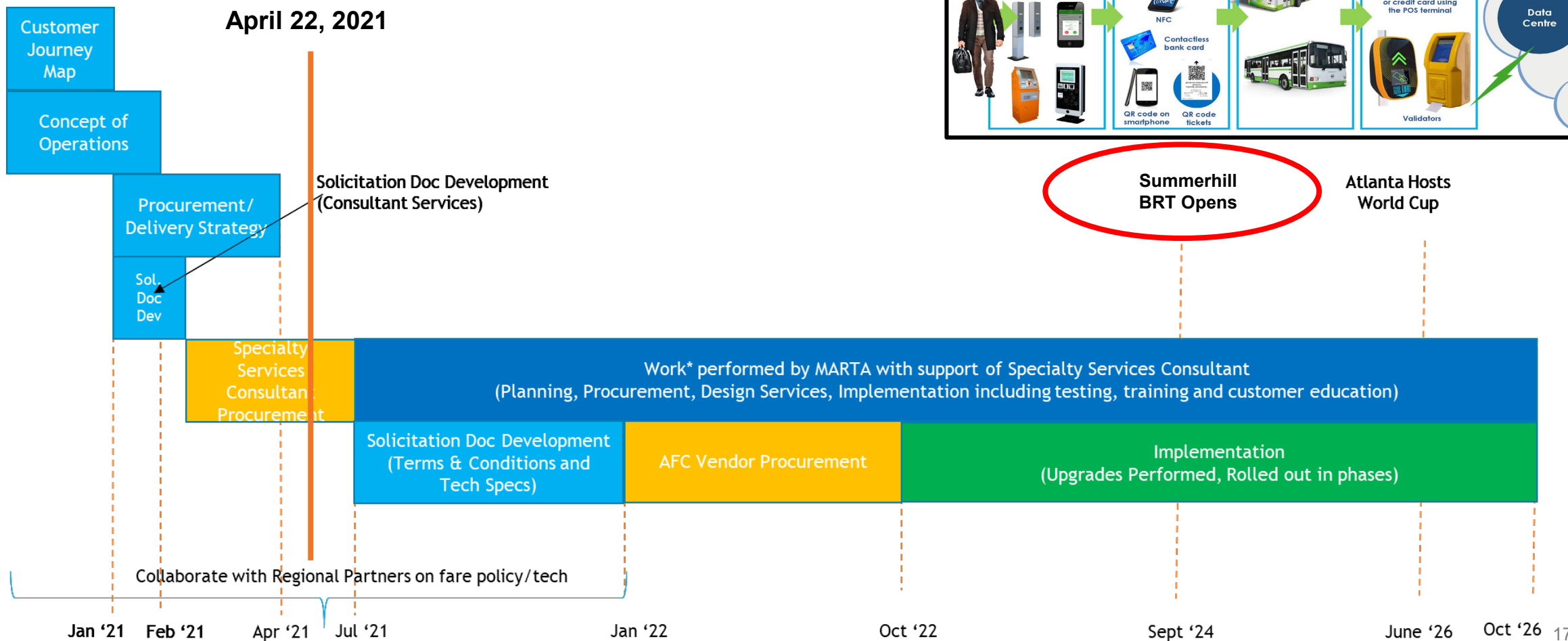
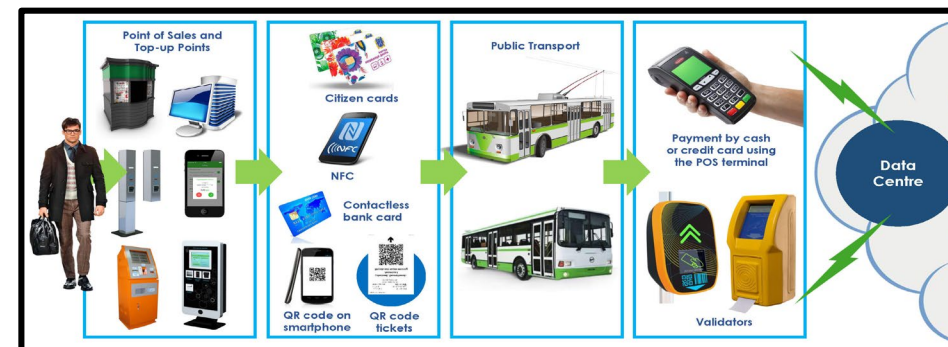
TRAFFIC SIGNAL PRIORITY



Traffic signal priority is simply the idea of giving special treatment to transit vehicles at signalized intersections. Since transit vehicles can hold many people, giving priority to transit can potentially increase the person throughput of an intersection.
FTA

AUTOMATED FARE COLLECTION (AFC 2.0)

Goal: Summerhill to be rolled out in 1st Phase in time for its operations.
Alternative: Use the Current MARTA Breeze system



THIRD-PARTY AGREEMENTS

ACTIVITY	3 RD PARTY
Electric poles must be relocated to one side of the road; few blocks	Georgia Power
Utility coordination	Atlanta Gas Light
Utility coordination	AT&T
Coordination of signal impacts	GDOT
Coordination of signal impacts	City of Atlanta
Utility coordination	City of Atlanta

PROJECT BUDGET: 30% DESIGN COST ELEMENTS

Cost Element	Project Budget - 30% Design (January 2021)		
	Total Costs in 2024\$	Federal Share in 2024\$	Local Share in 2024\$
10 GUIDEWAY & TRACK ELEMENTS	\$4,470,000	\$1,253,508	\$3,216,492
20 STATIONS, STOPS, TERMINALS, INTERMODAL	\$15,150,000	\$2,395,889	\$12,754,111
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	\$0	\$0	\$0
40 SITEWORK & SPECIAL CONDITIONS	\$7,700,000	\$1,300,181	\$6,399,819
50 SYSTEMS	\$6,690,000	\$2,371,442	\$4,318,558
Construction (10-50)	\$34,010,000	\$7,321,020	\$26,688,980
60 RIGHT-OF-WAY	\$1,630,000	\$608,974	\$1,021,026
70 VEHICLES	\$10,110,000	\$1,382,415	\$8,727,585
80 PROFESSIONAL SERVICES	\$10,120,000	\$2,135,853	\$7,984,147
Subtotal (10-80)	\$55,870,000	\$11,448,262	\$44,421,738
90 UNALLOCATED CONTINGENCY	\$5,590,000	\$1,181,498	\$4,408,502
Total Cost	\$61,460,000	\$12,629,760	\$48,830,240

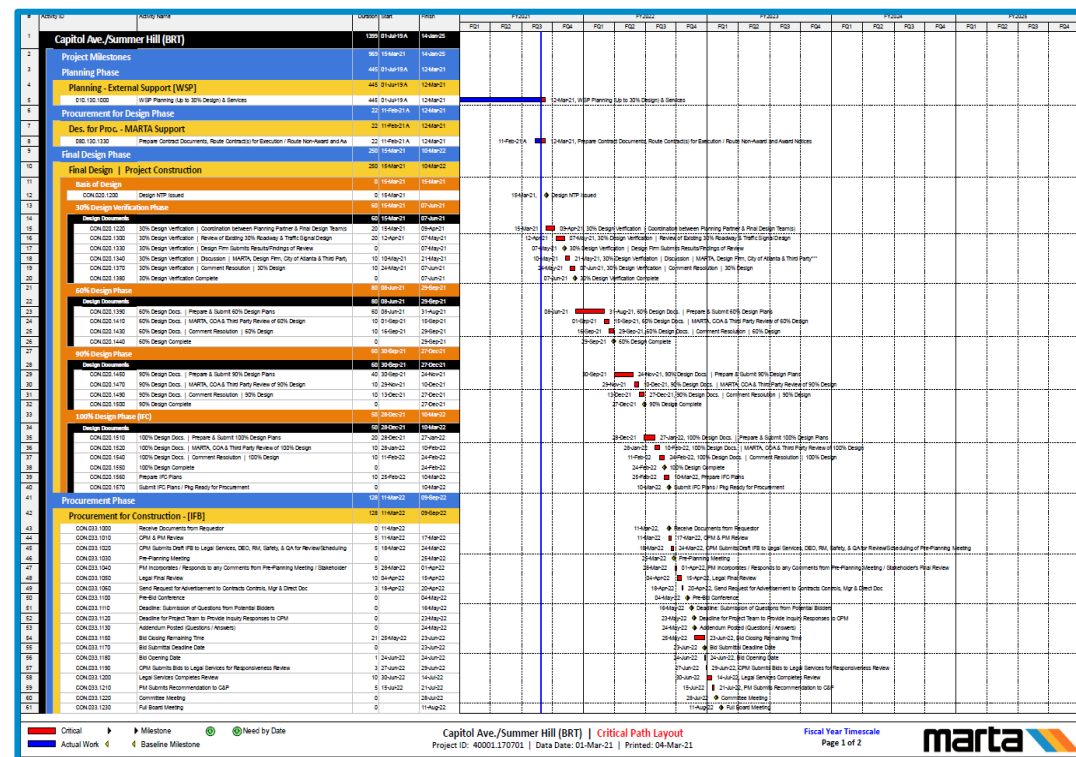
PROJECT STATUS

PHASE	START	END	STATUS
Planning / Alignment Refinement	10/14/2019	3/12/2021	Complete
Preliminary Design	6/28/2019	3/12/2021	Complete
Final Design Procurement	4/20/2020	3/15/2021	Complete: Kimley-Horn
Final Design	3/15/2021	4/7/2022	NTP Issued
Right-of-Way Coordinator Procurement	5/24/21	9/9/2021	Draft RAMP Completed
Right-of-Way	9/23/21	10/28/2022	Preparing for Procurement of R/W specialist
Construction Procurement	3/11/2022	9/9/2022	Future Activity
Construction	9/12/2022	9/30/2024	Future Activity
Substantial Completion		9/30/2024	Future Activity
Testing, Commissioning, and Start-Up	7/1/2024	9/30/2024	Future Activity
Revenue Service Open		9/30/2024	Future Activity

CRITICAL PATH

Major Activities

- ❖ Final Design / Construction Documents
- ❖ Construction Contractor Procurement
- ❖ Vehicle Design and Procurement
- ❖ Construction
 - Relocation of Utilities
 - Bike, Pedestrian and ADA Infrastructure
 - Curb Relocation
 - Bus Stops Concrete Pads
 - Roadway Milling and Resurfacing
 - Striping and Signage
- ❖ System Integration, Testing and Commissioning
- ❖ Revenue Service



QUESTIONS

summerhill BUS RAPID TRANSIT [BRT]

