



BOARD OF DIRECTORS

METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

PLANNING AND CAPITAL PROGRAMS COMMITTEE

THURSDAY, NOVEMBER 21, 2024

ATLANTA, GEORGIA

MEETING SUMMARY

1. CALL TO ORDER AND ROLL CALL

Committee Chair Stacy Blakley called the meeting to order at 10:27 A.M.

Board Members

Present:

Al Pond
Freda Hardage
James Durrett
Roderick Frierson
Stacy Blakley
Rita Scott
Valencia Williamson
Jennifer Ide
Sagirah Jones

Board Members

Absent:

Kathryn Powers
Russell McMurry
Thomas Worthy
Jacob Tzegaegbe
Jannine Miller

Staff Members Present:

Collie Greenwood
Carrie Rocha
LaShanda Dawkins
Steven Parker
Rhonda Allen
George Wright
Ralph McKinney
Peter Andrews

Also in Attendance:

Justice Leah Ward Sears of Smith, Gambrell & Russell, LLP, Paula Nash, Jacqueline Holland, Kenya Hammond, Tyrene Huff, Eddie Eades, Phyllis Bryant, Jonathan Hunt, Stephany Fisher, Robin Boyd, Larry Prescott, Daniel Hecht

2. APPROVAL OF THE MINUTES

Minutes from October 24, 2024.

Approval of Minutes from the October 24, 2024, Planning and Capital Programs Committee meeting. On a motion by Board Member Pond, seconded by Board Member Hardage, the motion passed by a vote of 9 to 0 with 9 members present.

3. RESOLUTIONS

Resolution Authorizing the Disposal of a Permanent Easement and Temporary Construction Easement to the City of Brookhaven (“City”) for Intersection Improvements at 3056/3062 Caldwell Road at the intersection of Redding Road, MARTA Parcel C3232H, Dekalb County, Brookhaven GA

Approval of the Resolution Authorizing the Disposal of a Permanent Easement and Temporary Construction Easement to the City of Brookhaven (“City”) for Intersection Improvements at 3056/3062 Caldwell Road at the intersection of Redding Road, MARTA Parcel C3232H, Dekalb County, Brookhaven GA On a motion by Board Member Durrett, seconded by Board Member Williamson, the resolution passed by a vote of 9 to 0 with 9 members present.

Resolution Authorizing the Award of a Contract for Geotechnical Engineering On-Call Services, AE50471

Approval of Resolution Authorizing the Award of a Contract for Geotechnical Engineering On-Call Services, AE50471 On a motion by Board Member Durrett, seconded by Board Member Williamson, the resolution passed by a vote of 9 to 0 with 9 members present.

Resolution Authorizing the Award of a Contract for Materials Testing On-Call Services, AE50472

Approval of the Resolution Authorizing the Award of a Contract for Materials Testing On-Call Services, AE50472 On a motion by Board Member Durrett, seconded by Board Member Hardage, the resolution passed by a vote of 9 to 0 with 9 members present.

Resolution Authorizing the Award of a Contract for Communications Based Train Control (“CBTC”) System, RFP P50319

Approval of the Resolution Authorizing the Award of a Contract for Communications Based Train Control (“CBTC”) System, RFP P50319 On a motion by Board Member Hardage, seconded by Board Member Durrett, the resolution passed by a vote of 9 to 0 with 9 members present.

4. OTHER MATTERS

None

5. ADJOURNMENT

The Committee meeting adjourned at 11:01 A.M.

YouTube link: <https://www.youtube.com/live/OuyiDRTDUw4?feature=shared>



Resolution Authorizing the Disposal of a Permanent Easement and Temporary Construction Easement to the City of Brookhaven (“City”) for Intersection Improvements at 3056/3062 Caldwell Road at the intersection of Redding Road, MARTA Parcel C3232H, Dekalb County, Brookhaven GA

Planning & Capital Programs Committee

November 21, 2024

Robin Boyd
Director of Real Estate

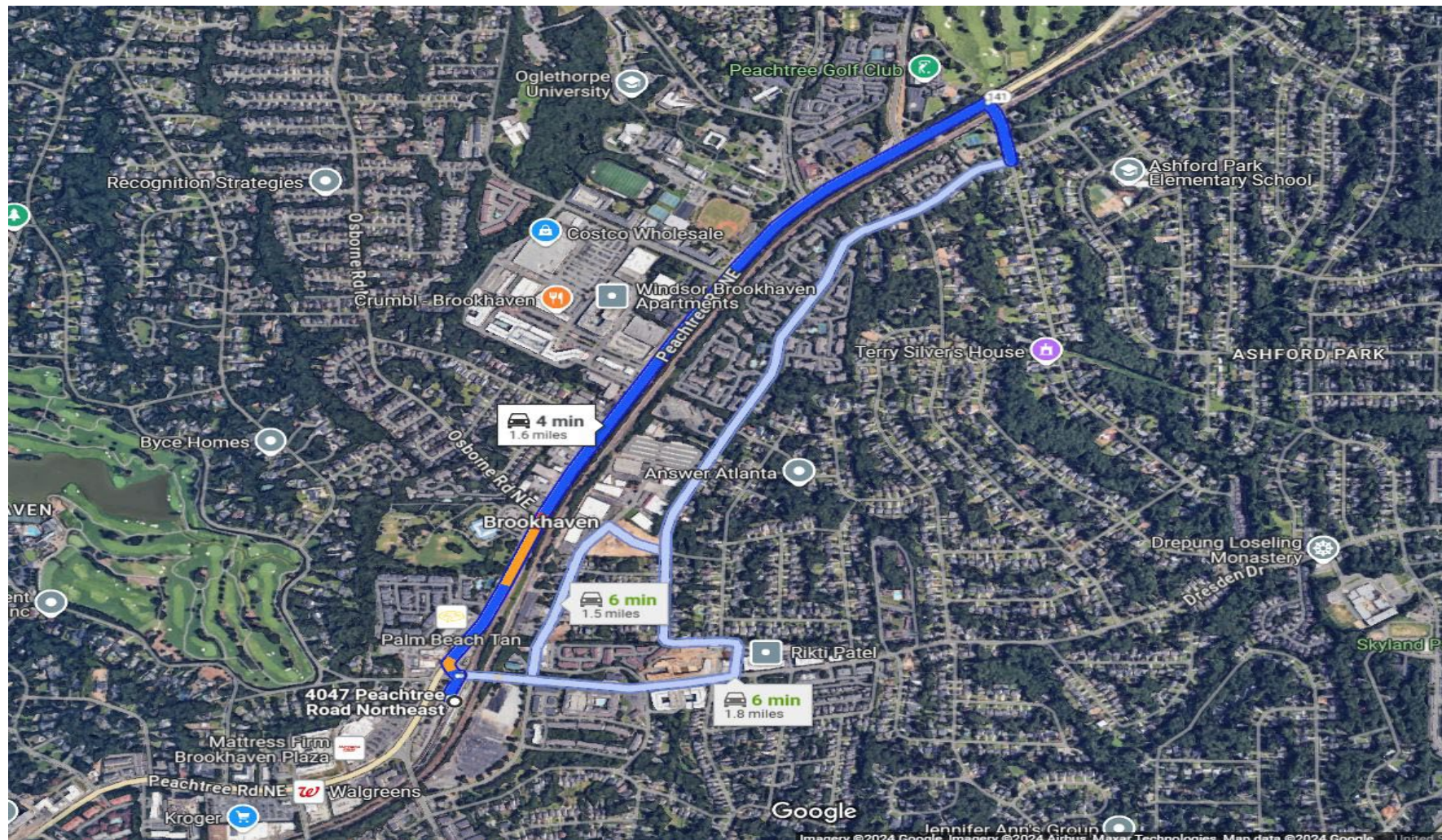


Transaction Overview

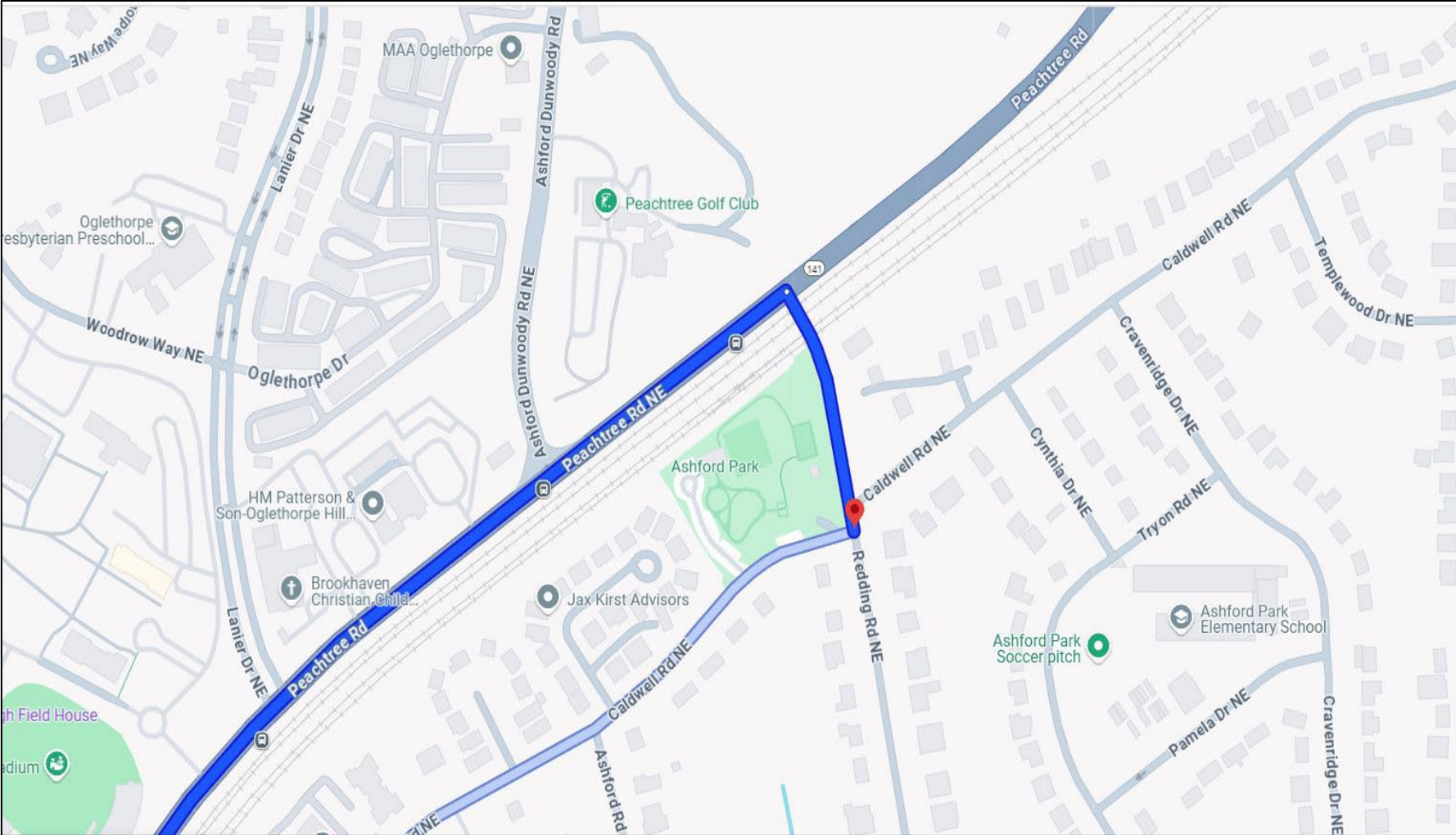
Purpose	<p>Non-Exclusive Permanent Easement, Temporary Construction Easement and Site Improvements requested by the City of Brookhaven for the corner of Caldwell and Redding Roads, Brookhaven GA at the following:</p> <ol style="list-style-type: none">1. <u>MARTA Disposal Parcel C3232H:</u><ul style="list-style-type: none">• MARTA Acquisition Parcels N340 and N341• Tax Id 18 272 15 003 and 18 272 15 004• 305.73 square feet
Property	Both Acquisition parcels are included in one MARTA Disposal Parcel C3232H
Structure	Non-Exclusive Easement Agreement
Appraisal	\$16,900
Term	Permanent
Acquisition History	Acquisition Parcels: N340 in July 1983 - 25,803sf for \$73,000; N341 in October 1984 - 24,176sf for \$81,000
FTA Interest	N/A Local Funds were used to acquire

Location Caldwell & Redding Roads

1.6 miles north of Brookhaven Station along Gold Line



Location Caldwell & Redding Roads Detail



Request Approval of the Board

Resolution Authorizing the Disposal of a Permanent Easement and Temporary Construction Easement to the City of Brookhaven (“City”) for Intersection Improvements at 3056/3062 Caldwell Road at the intersection of Redding Road, MARTA Parcel C3232H, Dekalb County, Brookhaven GA



Thank You



Resolution Authorizing the Disposal of a Permanent Easement and Temporary Construction Easement to the City of Brookhaven (“City”) for Intersection Improvements at 3056/3062 Caldwell Road at the intersection of Redding Road, MARTA Parcel C3232H, Dekalb County, Brookhaven GA

WHEREAS, the Board of Directors (Board) of the Metropolitan Atlanta Rapid Transit Authority (MARTA) adopted on August 9th, 1982 a policy regarding the disposition of MARTA property rights; and

WHEREAS, the City of Brookhaven has requested a non-exclusive permanent easement from MARTA for 305.73 square feet and temporary construction easement in order to support construction of the Intersection Improvements; and

WHEREAS, the Board has determined that a non-exclusive permanent easement on Parcel C3232H will not interfere with rapid transit system construction, operation or maintenance; and

WHEREAS, section 8(r) of the MARTA Act of 1965 as amended permits MARTA to dispose of property to municipalities and government agencies without seeking competitive bids, provided that the Authority receives consideration at least equal in value to the disposed interest, as established by independent appraisal; and

WHEREAS, Parcel C3232H has been appraised for a total fair market value of the permanent easement, temporary construction easement and site improvements in the amount of \$16,900.00; and

RESOLVED THEREFORE, by the Board of Directors of the Metropolitan Atlanta Rapid Transit Authority that the General Manager/CEO or his delegate is hereby authorized to do all acts, perform all things, and execute on behalf of the Authority all instruments of conveyance, other instruments and agreements as necessary to effectuate the disposal of non-exclusive permanent easements on Parcel C3232H to the City of Brookhaven upon receipt of \$16,900.00 equal to the appraised value of the property rights.

Approved as to Legal Form:

DocuSigned by:

Peter J. Andrews

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**Chief Counsel, Metropolitan Atlanta
Rapid Transit Authority**

Resolution Authorizing the Award of Contract for the Procurement of Geotechnical Engineering Consultant Services, AE50471



Planning & Capital Programs Committee, November 2024

SCOPE

- Subsurface exploration and testing
- Site reconnaissance and geologic mapping
- Geotechnical drilling/Groundwater monitoring/Laboratory testing
- Pre-construction and post-construction structural condition surveys
- Blast and vibration monitoring
- Slope stability/Settlement analysis

STATUS

- January 22, 2024, the Planning & Capital Programs Committee was briefed on the plan to conduct a qualifications-based selection process to solicit firms to provide Geotechnical Engineering Consultant Services
- In June 2024, Qualification Statements were received from eleven Geotechnical firms which the Source Evaluation Committee (SEC) members independently reviewed and scored to determine a shortlist of four firms.
- August 13, 2024, oral interviews were conducted with the four shortlisted firms and selected most qualified proponent.

RECOMMENDATION

- The SEC recommends the Approval of a Resolution authorizing the General Manager/CEO or his delegate to enter into a Contract for the Procurement of Geotechnical Engineering Consultant Services, AE50471 with ECS Southeast, LLC.



DBE Subconsultants



Ranger Consulting, Inc.

- The term of the contract will be three (3) base years with two (2) one-year options.
- Estimated Contract Value: Up to \$300,000 per year (5 year term).
Total Contract \$1,500,000.
- The services will be funded by approved projects within the relative fiscal year Capital Improvement Program.
- The Office of Diversity and Inclusion assigned a 30% Disadvantaged Business Enterprise (DBE) goal on this procurement.

**Request for approval of the Resolution Authorizing Award of a
Contract for the Procurement of Geotechnical Engineering
Consultant Services, AE50471**

Thank you



**RESOLUTION AUTHORIZING THE AWARD OF A CONTRACT FOR GEOTECHNICAL
ENGINEERING ON-CALL SERVICES, AE50471**

WHEREAS, The Authority's Department of Capital Programs and Delivery has identified a need for Geotechnical Engineering On-Call Services; and

WHEREAS, the Authority conducted a qualifications-based selection process in accordance with its established policy and procedure for Geotechnical Engineering On-Call Services and;

WHEREAS, notice of the Qualification Based solicitation was advertised in the local newspaper of the largest circulation in the Atlanta Metropolitan area; and

WHEREAS, all offerors were given an opportunity to protest the instructions, specification and/or the procedures; and

WHEREAS, the Authority's Staff has determined that the qualification statement submitted by ECS Southeast, LLC. represents the most advantageous offer; and

RESOLVED THEREFORE, by the Board of Directors of the Metropolitan Atlanta Rapid Transit Authority that the General Manager/CEO or his delegate be, and hereby is authorized to enter into contract with ECS Southeast, LLC to provide Geotechnical Engineering On-Call Services and is authorized to assign tasks by negotiated work orders that will not exceed the amount of \$1,500,000.

Approved as to Legal Form:

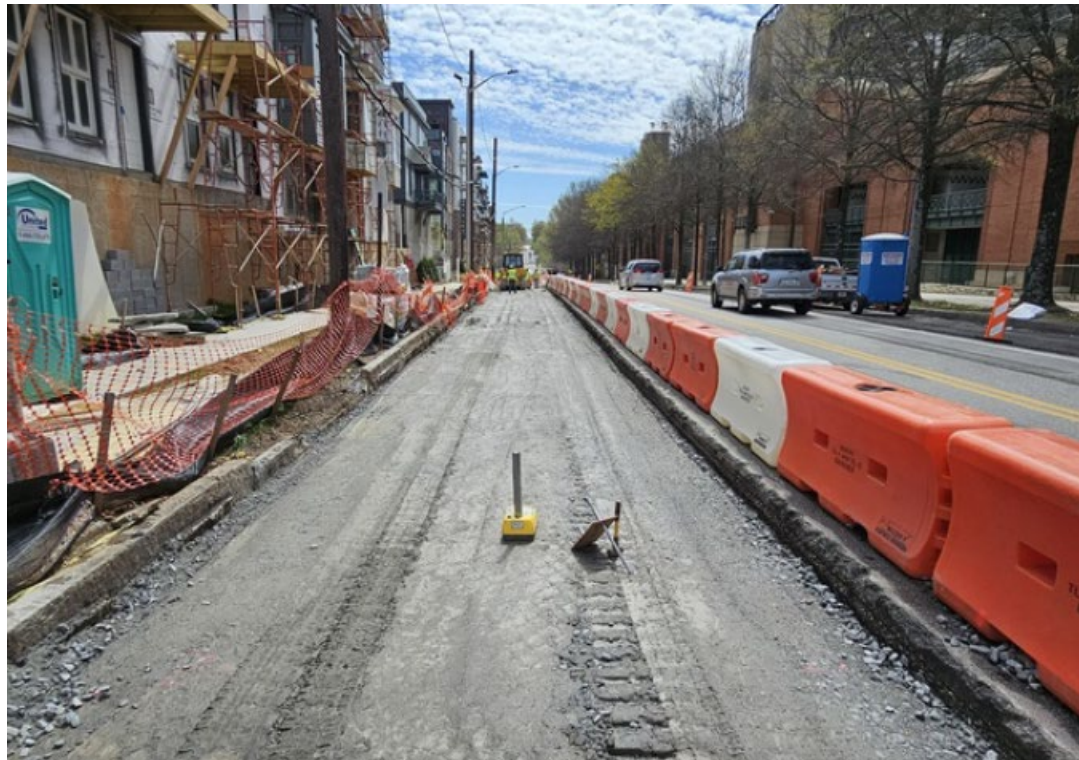
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Peter J. Andrews

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**Chief Counsel, Metropolitan Atlanta
Rapid Transit Authority**

Resolution Authorizing the Award of Contract for the Procurement of Material Testing Consultant Services, AE50472



SCOPE

- Field and laboratory testing of construction materials.
- On-site testing and monitoring services
- Review and evaluation of material submittals
- Periodic construction inspection and observation
- Evaluation of construction material plant/delivery systems
- Non-destructive testing methods

STATUS

- January 22, 2024, the Planning & Capital Programs Committee was briefed on the plan to conduct a qualifications-based selection process to solicit firms to provide Materials Testing On-call Consultant Services
- In July 2024, Qualification Statements were received from six Material Testing firms which the Source Evaluation Committee (SEC) members independently reviewed and scored.
- August 16, 2024, the SEC met to review the score ranking matrix prepared by Contracts & Procurement and discuss the rankings. The SEC concurred and selected most qualified proponent.

RECOMMENDATION

- The SEC recommends the Approval of a Resolution authorizing the General Manager/CEO or his delegate to enter into a Contract for the Procurement of Material Testing Consultant Services, AE50472 with Terracon Consultants, Inc. DBE Subconsultants



- The term of the contract will be three (3) base years with two (2) one-year options.
- Estimated Contract Value: Up to \$300,000 per year (5 year term).
Total Contract \$1,500,000.
- The services will be funded by approved projects within the relative fiscal year Capital Improvement Program.
- The Office of Diversity and Inclusion assigned a 25% Disadvantaged Business Enterprise (DBE) goal on this procurement.

**Request for approval of the Resolution Authorizing the Award of
Contract for the Procurement of Material Testing Consultant
Services, AE50472**

Thank you



**RESOLUTION AUTHORIZING THE AWARD OF A CONTRACT
FOR MATERIALS TESTING ON-CALL SERVICES, AE50472**

WHEREAS, The Authority's Department of Capital Programs and Delivery has identified a need for Materials Testing On-Call Services; and

WHEREAS, the Authority conducted a qualifications-based selection process in accordance with its established policy and procedure for Materials Testing On-Call Services and;

WHEREAS, notice of the Qualification Based solicitation was advertised in the local newspaper of the largest circulation in the Atlanta Metropolitan area; and

WHEREAS, all offerors were given an opportunity to protest the instructions, specification and/or the procedures; and

WHEREAS, the Authority Staff has determined that the qualification statement submitted by Terracon Consultants, Inc. represents the most advantageous offer; and

RESOLVED THEREFORE, by the Board of Directors of the Metropolitan Atlanta Rapid Transit Authority that the General Manager/CEO or his delegate be, and hereby is authorized to enter into contract with Terracon Consultants, Inc. to provide Materials Testing On-Call Services and is authorized to assign tasks by negotiated work orders that will not exceed the amount of \$1,500,000.

Approved as to Legal Form:

DocuSigned by:

Peter J. Andrews

**Chief Counsel, Metropolitan Atlanta
Rapid Transit Authority**



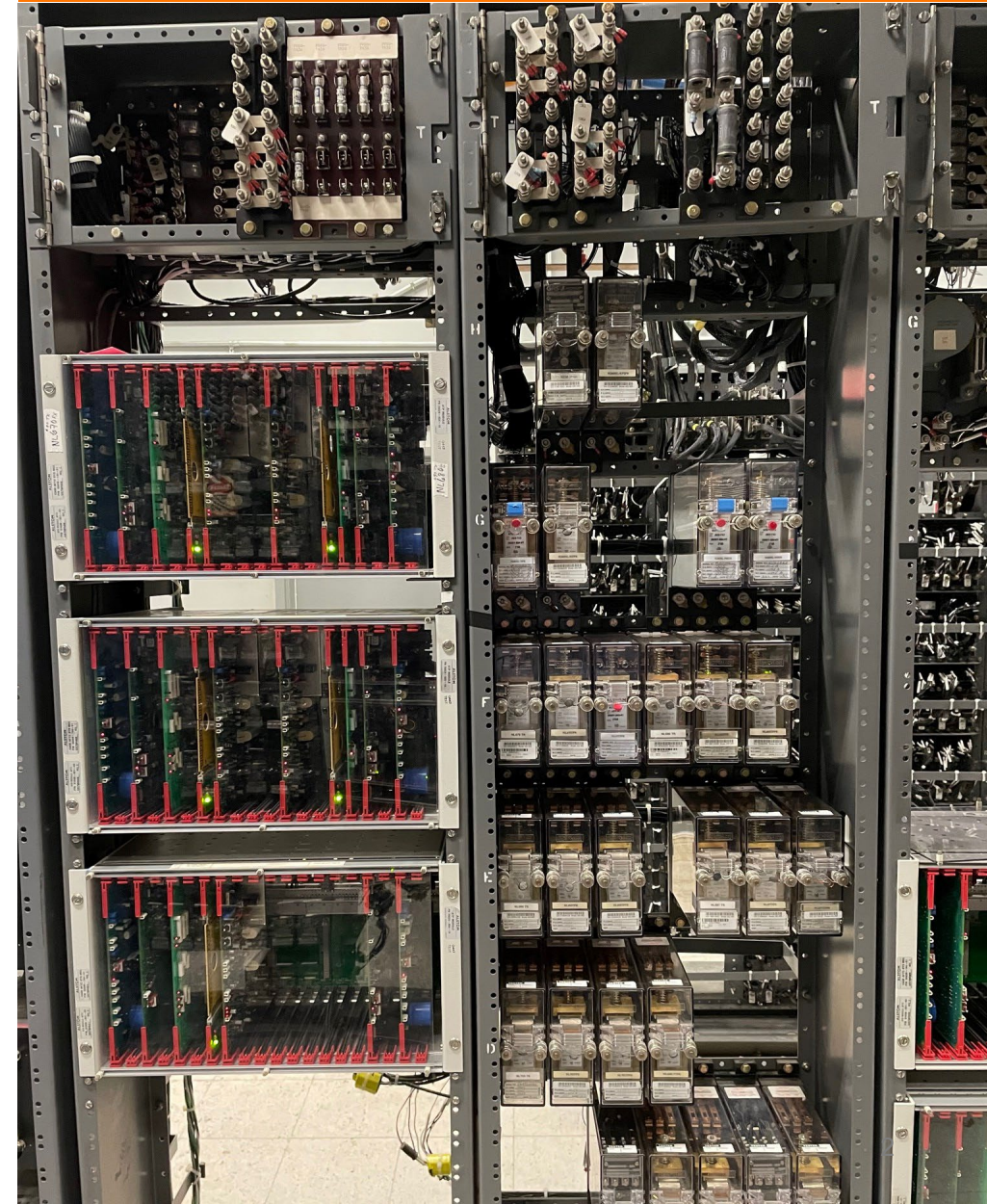
Resolution Authorizing the Award of a Contract for Communication Based Train Control (“CBTC”) System, RFP P50139

Planning and Capital Programs Committee
November 21, 2024

Daniel Hecht, PE
Deputy Chief Mechanical Officer

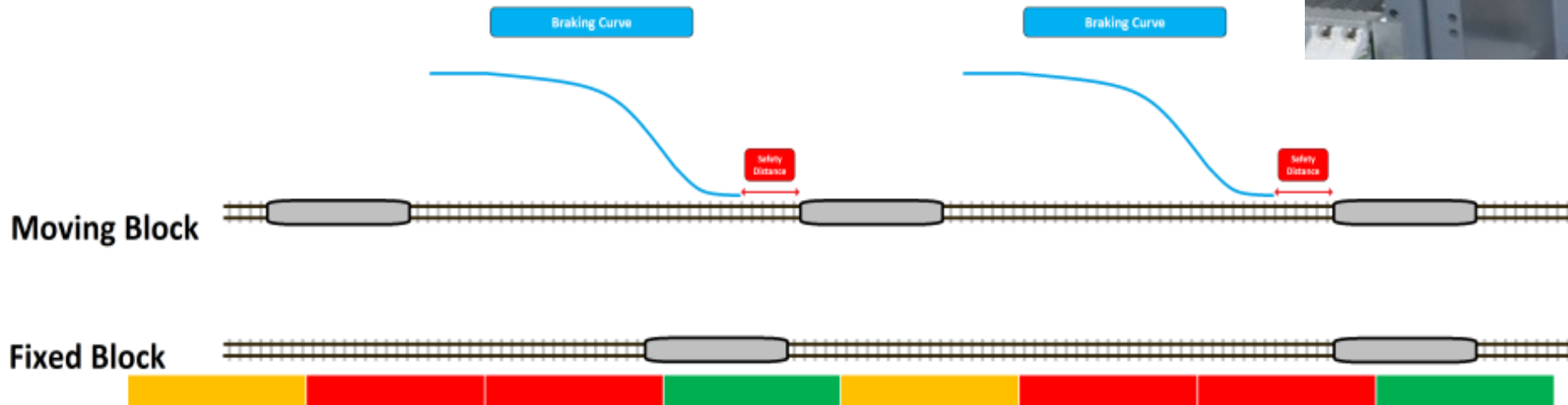
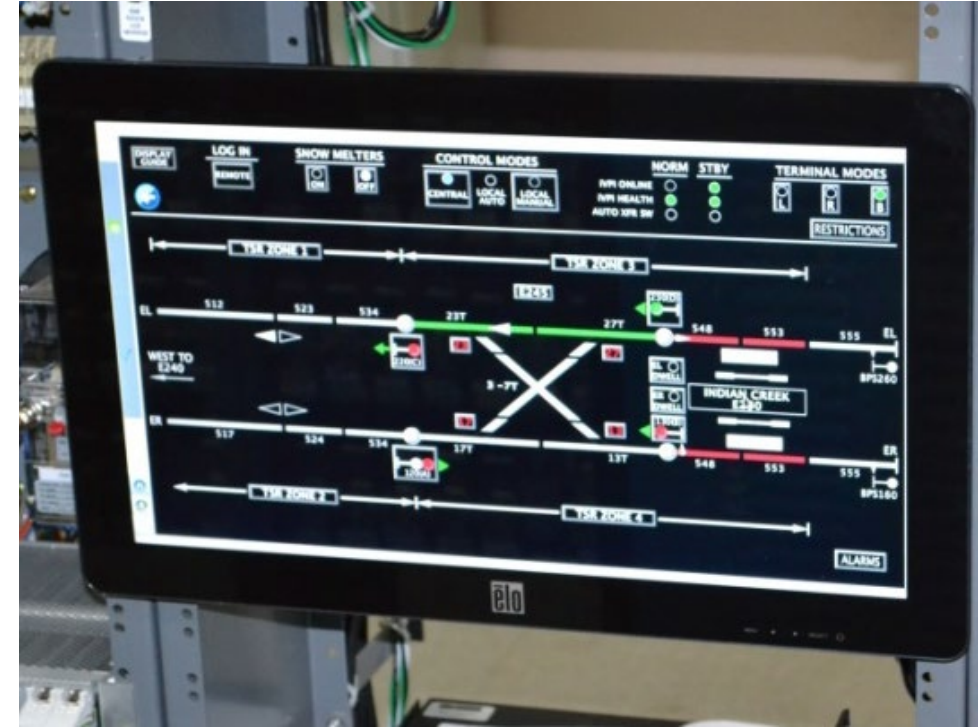
Train Control Background

- MARTA heavy rail signaling uses Automatic Train Control (ATC) technology
 - Knorr (formerly Alstom) and Union Switch and Signal (US&S) technology
 - GOA 2 (*Grade of Automation Level 2)
 - Proven but antiquated
- Train control hardware based on track circuits
- MARTA operates a fixed block signaling system
- Heavily dependent on hardware, field equipment and maintenance
- Train Control and SCADA Upgrade Project – addressed control and communication equipment



CBTC Introduction

- MARTA requires extensive upgrades and modernization of the “vital” train control system hardware, software, control and safety systems
- Signaling is one of the five critical elements for safe and reliable rail operations



CBTC Project Overview

- Initial Program Development – July 2022 through March 2023
- Request to Solicit Proposals – March 30, 2023 PCP Committee & April 13, 2023 BOD Meeting
- RFP Development – May through September 2023
- Notice of the Request for Proposals Advertised – September 5, 2023
- Proposal deadline – January 8, 2024
- Technical Evaluation Committee reviewed proposals and presented to SEC
- Source Evaluation Committee (SEC) reviewed and evaluated proposals
- SEC selected Stadler US, Inc.



Stadler CBTC Solution

- Fully integrated CBTC train control and signaling system using NOVA Pro
- GOA2 ready, upgradeable to GOA4
- SCADA integration (*Supervisory Control and Data Acquisition)
- Upgrades to IOC, BIOC and Yards
- On-board broken rail detection system
- Seamless integration with CQ400 fleet
- Increased Local Stadler support
- Reduced hardware and field equipment
- Efficient train operation
- Modernized work allocation





Design Principles

- Signaling system operates under CBTC principles with no separate interlocking equipment
- All railway locations covered by CBTC, including yards
- MARTA CQ400 fleet and hi-rail vehicles equipped with CBTC technology
- New communication backbone with Wi-Fi infrastructure, known and common networking standards and protocols
- CBTC logic is fully computer-based without relay logic
- SCADA uses standard protocol for communication between field units and centralized control
- Utilization of COTS products to facilitate maintenance and decreased costs
- Cybersecurity is integral to design and operation
- Comprehensive and safe testing and migration plan
- Safety and Security Certification

Contract Overview

- Firm Fixed Price
- Performance Period – Eight (8) years
- Funding Sources
 - Local Capital
 - Federal opportunities
- Base Term (8 Years) \$503,035,380
- Option (Years 1-5) \$12,933,953
- Option (Years 6-10) \$8,626,010
- Price determined fair and reasonable
- DBE Considerations – 18% Goal



Financial Considerations

Item	Scope Area	Total Cost
1	Blue and Green Line Installation	\$104,523,900
2	Red and Gold Line Installation	\$148,185,753
3	Train Control and SCADA System	\$26,570,500
3	Vehicle Installation	\$6,348,435
5	General Requirements, PMO, System Assurance and Engineering Management	\$102,135,020
6	RAMS, System Safety and Security, and Quality Management Support	\$41,884,593
7	Special Tools, Test Equipment, Testing and Training	\$50,723,826
8	Documentation and Software Licensing	\$11,660,656
9	State of Good Repair Allowance, Standby Costs, Public Engagement and Other	\$11,002,697
	BASE TERM	\$503,035,380
	Operations and Maintenance Support – Years 1 through 5	\$12,933,953
	Operations and Maintenance Support – Years 6 through 10	\$8,626,010
	TOTAL	\$524,595,343

Financing and Budget

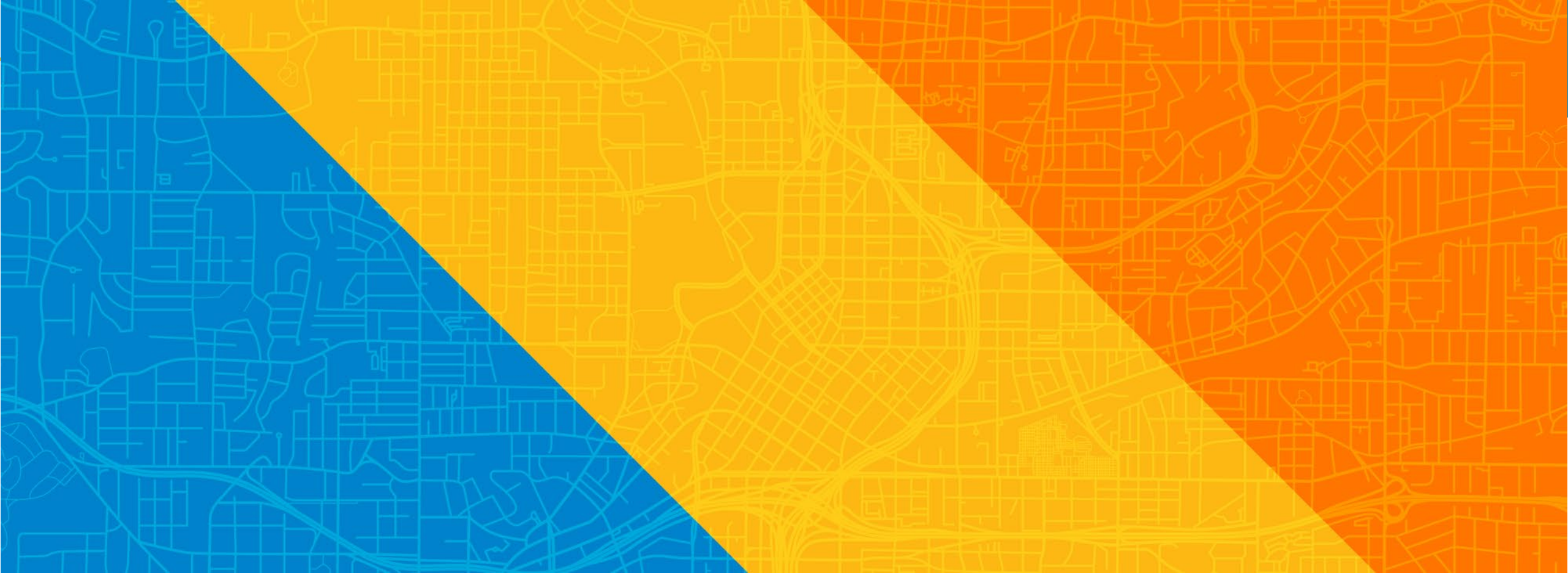
- Exploring creative financing via internal mechanisms
- MARTA will seek federal grant opportunities
- Included in the current CIP budget
- Process for 10-year Capital Improvement Program budget
 - Anticipated cash flows through 10-year CIP model
 - Development of timeline on needed cashflows to evaluate funding availability
 - Apply any debt requirements needed to finance the capital plan
 - Goal is presenting a balanced plan
 - Reallocation of resources based on project prioritization
- Possible bridge financing (TIFIA loan)



Resolution Request

The Department of Capital Programs and the Department of Mechanical Operations respectfully request Approval of a Resolution authorizing the General Manager/CEO or his delegate to enter into a Contract for Communication Based Train Control (“CBTC”) System, RFP P50319, with Stadler US, Inc. in the amount of \$524,595,343.





Thank You



**RESOLUTION AUTHORIZING THE AWARD OF A CONTRACT FOR
COMMUNICATIONS BASED TRAIN CONTROL (“CBTC”) SYSTEM
REQUEST FOR PROPOSAL RFP P50319**

WHEREAS, the Authority’s Department of Capital Programs Expansion and Innovation has identified the need for Communications Based Train Control (“CBTC”) System, Request for Proposals Number P50319 and

WHEREAS, On August 31, 2023 the Metropolitan Atlanta Rapid Transit Authority duly sent to potential Offerors notice of its Request for Proposals for Communications Based Train Control (“CBTC”) System, RFP P50319; and

WHEREAS, notice of the said Request for Proposals was advertised in the local newspaper of the largest circulation in the Atlanta metropolitan area once in each of the two weeks prior to the proposal deadline; and

WHEREAS, all Proponents were given the opportunity to protest the proposal instructions, specifications, and/or procedures; and

WHEREAS, on January 8, 2024 at 2:00 p.m., local time, two (2) proposals were received; and

WHEREAS, the Authority's staff determined that Stadler US, Inc. submitted the most advantageous offer and other factors considered and is technically and financially capable of providing the services.

RESOLVED THEREFORE, by the Board of Directors of the Metropolitan Atlanta Rapid Transit Authority that the General Manager/CEO or his delegate be, and hereby is, authorized to execute a Contract on substantially the same terms and conditions as contained in the Request for Proposals Number P50319, between the Authority and Stadler US, Inc. for Communications Based Train Control (CBTC) System in the amount of \$524,595,343.

Approved as to Legal Form:

DocuSigned by:

Peter J. Andrews

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Counsel
Metropolitan Atlanta Rapid Transit Authority