

**MINUTES**  
**MEETING OF THE BOARD OF DIRECTORS**  
**OPERATIONS & SAFETY COMMITTEE**  
**METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY**

**February 13, 2012**

The Board of Directors Operations & Safety Committee met on February 13, 2012 at 10:06 a.m. in the Board Room on the 6<sup>th</sup> Floor of the MARTA Headquarters Building, 2424 Piedmont Road, Atlanta, Georgia.

**Board Members Present**

Juanita Jones Abernathy  
Harold Buckley, Sr.  
Wendy Butler  
Frederick L. Daniels, Jr.  
Jim Durrett  
Roderick E. Edmond  
Adam Orkin, Chair

MARTA officials in attendance were: General Manager/CEO Beverly A. Scott; Deputy General Manager/COO Dwight A. Ferrell; Chief Business Support Services Theodore Basta, Jr.; AGMs Davis Allen, Anton Bryant (Acting), Deborah Dawson, Wanda Dunham, Ben Graham, Georgetta Gregory, Cheryl King, Rich Krisak, Ryland McClendon, Elizabeth O'Neill and Gary Pritchett; Sr. Director David Springstead; Directors Lisa DeGrace, Reginald Diamond, Joe Erves, Garry Free, Charlotte Harris, Connie Krisak, Pat Minnucci. Elvin Tobin and John Weber; Managers Tim Carvana, Paul Grether, Cara Hodgson and Marvin Tolliver; Executive Manager to the Board Rebbie Ellisor-Taylor; Sr. Executive Administrator Tyra J. Wiltz; Executive Administrator Renee Willis. Others in attendance Rhonda Allen, Rick Chambers, Christopher Dorsey, Cathy Gesick, Aston Green, Cathy Harper, Christopher Lindahl, Norman Lopez, Cedric McKitt, Willie Montgomery, Josh Piermarini, Anthony Pines and Srinath Remala.

Also in attendance Charles Pursley, Jr. of Pursley, Lowery and Meeks; Tom Weyandt Tom of City of Atlanta, Angela Laurie of Central Atlanta Progress, Matt Pollack and Susan Wheatley of MATC; Pam Alexander of LTK; Jitendra Carpenter of Shaw; Jim Richie of URS; Jonathan Weidman; Jim Ritchie of GRTA.

**Approval of the January 9, 2012 Operations & Safety Committee Meeting Minutes**

On motion by Mr. Daniels seconded by Mrs. Butler, the minutes were unanimously approved by a vote of 4 to 0, with 4 members present.

**Resolution Authorizing the Award of a Contract for Traction Power Substation (SS1) Equipment Replacement South Line Intermediate Station, CP B21335**

Mr. Free presented this resolution for Board of Directors' approval authorizing the General Manager/CEO to enter into a contract with Cleveland Electric for Traction Power Substation (SS1) equipment replacement, South Line Intermediate Station.

Dr. Edmond asked why only two bids were received.

Mr. Free said fourteen (14) firms purchased the Contract Document, of which two (2) submitted bids as subcontractors. Nine (9) firms didn't submit a bid because of the requirement for a contractor's license and time constraints.

Dr. Edmond asked about the timeframe.

Mr. Free said 60 days.

Mr. Daniels asked if all the equipment is the same age.

Mr. Free said replacements are phased in; not all of the equipment is 35 years old.

Mr. Daniels asked if this replacement is critical.

Mr. Ferrell said yes. This one is damaged and off-line. Replacement of the equipment is part of the Capital Improvement Plan (CIP) as a multi-year project.

On motion by Mr. Durrett seconded by Mr. Daniels, the resolution was unanimously approved by a vote of 5 to 0, with 5 members present.

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**Resolution Authorizing the Award of a Contract for the Vehicle Security Camera System, RFP P23113**

Chief Dunham presented this resolution for Board of Directors' approval authorizing the General Manager/CEO or her delegate to enter into a contract with Apollo Video Technology for the design and installation of a Vehicle Security Camera System. This system will address security and safety concerns on MARTA's vehicles and for its passengers.

Dr. Edmond said the security system is needed, but in light of fiscal readiness, he asked if there was any room for delay.

Mr. Orkin asked if the system is delayed, could MARTA ensure increased officer presence on buses and trains.

Mr. Ferrell responded there is no way to have the manpower to monitor all the activity.

Mr. Buckley said it is crucial that the security camera system be implemented as soon as possible.

Dr. Edmond asked that a very aggressive campaign be launched to get the message out to the community.

Mr. Daniels agreed, noting that the system will lower insurance costs, workers compensation, etc.

Mr. Orkin asked about the cameras visibility.

Chief Dunham said they will be very visible.

On motion by Mr. Durrett seconded by Mr. Daniels, the resolution was unanimously approved with a vote of 6 to 0, with 6 members present.

**Resolution Authorizing the Award of a Contract for Annual Hardware and Software Maintenance for Cisco Equipment, RFP P24529, Utilizing State of Georgia Contract SWCS000546-043 and GSA Schedule GS-35F-0511T**

Mrs. Harris presented this resolution for Board of Directors' approval authorizing the General Manager/CEO or her delegate to enter into a contract with Adcap

Network Systems, Inc. for annual hardware and software maintenance for Cisco Equipment.

On motion by Mr. Durrett seconded by Mr. Daniels, the resolution was unanimously approved with a vote of 6 to 0, with 6 members present.

**Briefing - Fixed Route Bus Procurement 2013-2018**

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Mr. Bryant briefed the Committee on the impending release of an Invitation for Bid (IFB) for a five (5) year contract to procure replacement buses for a portion of MARTA's fixed-route bus fleet.

**MARTA's Current Fleet**

- 392 buses built by New Flyer Industries
  - 72% (283) CNG powered
  - 28% (109) diesel powered
- 139 built by Daimler Buses (Orion)
  - 65% (90) CNG powered
  - 35% (49) diesel powered

**Project**

- Project consists of procuring replacement buses for MARTA's fixed route bus fleet
- Contained in the current 10 year Capital Improvement Program (CIP)
- Yearly budget in the CIP is \$26.7M
- Contract amount is \$133.5M
- Contract term is five years, FY13-18

**Benefits**

- Federal Transit Administration (FTA) deems a transit bus to be at the end of its useful life at 12 years or 500,000 miles
- Replacing buses at 12 years or 500,000 miles to avoid excessive maintenance expenses and to ensure attractive vehicles for service

### **Process**

- **Procurement begins with the releasing of an Invitation for Bid (IFB) planned for late February 2012**
- **Schedule includes time for bidders to request approved equals for items contained in the MARTA specification (process can take several months)**

### **Schedule**

- **Bids opened and evaluated in late summer 2012**
- **Notice to Proceed for the successful (lowest responsive and responsible) bidder to be issued following Board approval**
- **Contract provides 6 months for the bus build**
- **Delivery expected in late FY13**

### **Suppliers**

- **Prospective bidders include:**
  - **New Flyer Industries**
  - **Daimler Buses (Orion)**
  - **North American Bus Industries (NABI)**
  - **Gillig**
  - **NOVA Bus**

### **Plan**

- **Replace approximately 10% of current bus fleet every year for next 10 years (more even maintenance requirements over the life of the fleet)**
- **Maintain current 70/30 ratio of CNG to diesel powered buses**
- **CCTV installed after buses received**

### **Contract Highlights**

- **Includes all tooling, equipment and software necessary to repair and maintain buses**
- **Warranty claim payment through parts credit**
- **Training for operators and maintenance staff**

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- Training aids for major bus systems (drive train, engine, transmission, cooling system, HVAC and air and electrical systems)

### **Bus Types**

- First year buy is for forty-five 40-foot transit buses and eight 30-foot transit buses (53 total)
- Fifty-three 40-foot in each of years 2 through 5
- Buses will be powered by either compressed natural gas (CNG) or diesel, the same as the buses they will replace

### **New Features**

- All LED lighting, including headlights and interior lighting
- Flush glass side windows and single piece windshield
- Integrated turn signals in rear view mirrors
- Silver LED destination signs (front and side)
- Anti-skid walkways on bus roofs
- Disc brakes with wear indicator

Mr. Daniels asked if there are any considerations for more cost-effective vehicles.

Mr. Bryant said MARTA has options for diesel, hybrid or gas. MARTA is also looking at batteries, electrical coolant systems, etc.

Mr. Ferrell added this contract will allow MARTA the greatest opportunity over the next five years. It will also allow other transits in the region an opportunity to take advantage of the contract.

### **Briefing - Environmental Management Systems (EMS) Management Review**

Mrs. Gregory briefed the Committee on the Environmental Management Systems (EMS) program being piloted at MARTA's Armour Yard Rail Vehicle Maintenance Facility.

### **Definition of EMS**

- A set of processes and practices that enable an organization to reduce its environmental impacts and increase its operating efficiency

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### **Purpose of EMS**

- **Reduce MARTA's environmental impacts and increase its operating efficiency.**
- **Manage MARTA's environmental programs in a comprehensive, systematic, planned and documented manner**

### **ISO 14001 (EMS) Certification**

- **Set of internationally recognized environmental management standards and guidance documents to aid organizations in addressing environmental issues**

### **Four Phases of EMS**

- **Establish objectives and processes**
- **Implement the processes**
- **Monitor and measure process against environmental policy, objectives, targets, legal and other requirements and report the results**
- **Take action to continually improve performance of the EMS**

### **FTA Sponsored Training**

- **Accepted the invitation to participate in an FTA training program October 2010**
- **Established a Core Team comprised of staff from Bus Operations, Rail Operations and Safety**
- **Attended four (4) training workshops hosted by Virginia Tech**
- **Developed and prepared EMS program procedures**

### **MARTA's EMS Policy Statement**

**Authority-Wide policy and program that ensures MARTA's commitment to compliance with environmental statutes, regulations and other MARTA requirements to provide safe and cost-effective pollution prevention measures by controlling and minimizing the disposal of waste or emissions generated/released from MARTA operations and construction.**

**MARTA's EMS Core Team**

- **Dwight A. Ferrell - DGM/COO (Team Sponsor)**
- **Georgetta Gregory - AGM, Safety & QA (Project Champion)**
- **Dave Springstead - Senior Director of Engineering and Development**
- **Connie Krisak - Director of Architectural Design**
- **Joe Erves - Director of Rail Car Maintenance (RCM)**
- **Garry Free - Director of Maintenance of Way (MOW)**
- **Anton Bryant - Director of Bus Maintenance**
- **Tim Carvana - Manager System Safety Programs**
- **Rhonda Allen - Project Manager**

**EMS Benefits**

- **Cost savings & avoidance**
- **Enhance & improve MARTA's public image**
- **Increase operating efficiency**
- **Ensure compliance with Federal, State and Local environmental regulatory requirements**
- **Reflects commitment to reduce environmental impacts**

**Return on Investment (ROI)**

- **Cleaner Usage Savings**
  - **Cleaner usage on a per-car basis can be decreased by 25%**
  - **Still achieve the quality standards for rail car carriage cleaning**

**Disposal Savings**

- **25% cost savings through optimized management of waste materials such as spent florescent bulbs and other waste materials**

**Rail Vehicle Products Savings**

- **20% cost savings associated with reduction and uses of materials such as Refrigerants**



#### **Cleaner Usage ROI**

- **2011: Cleaner usage and cost: 2,310 gallons & \$8,663.00**
- **2012: Projected usage and cost: 2,195 gallons & \$8,230.00**
- **September 2012 Target:**
  - **Reduce the use of materials from current usage levels by 5% or more per year**
  - **With reduction, still achieve the quality standards for rail car carriage cleaning**
- **Total annual cost savings and cost avoidance for this EMS aspect at \$34,755**

#### **Moving Forward**

- **EMS Awareness Training**
  - **Allow personnel to become competent to achieve conformance with the EMS & environmental policy**
  - **Address personnel awareness on importance of EMS, requirements, environmental impacts of their work**
- **Gap Analysis - February 2012**
  - **Self-evaluation conducted by MARTA of Armour Yard EMS to assess EMS readiness for ISO 14001 Certification**
- **Internal FTA Audit - June 2012**
  - **On-site audit conducted by Virginia Tech to review EMS elements and determine if the EMS program is compliant with the ISO 14001 requirements**
- **External Audit -January 2013**
  - **Obtain ISO 14001 Certification**
- **ISO 14001 Implementation - January 2016**
  - **Implement Authority-Wide ISO 14001 EMS**

## **Briefing - Atlanta Streetcar Project**

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**Mr. Ferrell briefed the Committee on the Atlanta Streetcar update.**

### **Roles of the Project Sponsors – Atlanta Streetcar Inter-Governmental Agreement**

- **City of Atlanta**
  - **Applicant and Grantee for TIGER II funds**
  - **Project and asset owner**
  - **Provides all local capital funding not being provided by ADID**
  - **Provides right-of-way (eminent domain if necessary)**
  - **Issues expedited construction permits, licenses, etc.**
  - **Coordinates all utility relocations**
  - **Supports 20-year O&M funding**
- **Atlanta Downtown Improvement District (ADID)**
  - **Represents the Business Community**
  - **Provides local capital funding**
  - **Supports 20-year O&M funding**
- **MARTA**
  - **Administer FTA grants and associated federal funds as "Limited Agent"**
  - **Procure Vehicles, TPSS, Rail, Design-Build Services and all other services or equipment needed for the project**
  - **Set Disadvantaged Business Enterprise (DBE) goals**
  - **Manage Scope, Schedule and Budget**
  - **MARTA will operate and maintain the project, subject to future agreement**

### **Project Characteristics**

- **Modern streetcar operating in-street with vehicular traffic**
- **2.7 track miles**
- **12 stops**
- **4 vehicles**
- **9.9-minute one-way running time**
- **1.31 miles one-way**
- **15-minute frequency**

- Free transfer to/from MARTA rail at Peachtree Center station
- Free transfer to/from MARTA, GRTA, CCT & GCT buses
- Breeze Smartcard fare collection system using MARTA fare policy
- Design-build model for project construction
- Proposed Operating Schedule
  - Weekday: 5:00 a.m. to 11:00 p.m. (18 hours)
  - Saturday: 8:30 a.m. to 11:00 p.m. (14.5 hours)
  - Sunday: 9:00 a.m. to 10:30 p.m. (13.5 hours)

#### **Chronology**

- Announcement of Successful TIGER II Selection (October 2010)
- TIGER II Grant Application (\$47,667,777- October 2010)
- Intergovernmental Agreement (March 2011)
- Design Build RFQ Solicitation (March 2011)
- Environmental Clearance (April 2011)
- Vehicle Contract (\$17.2M~ April 2011)
- TIGER II Grant Award (May 2011)
- Design Build RFP Solicitation (June 2011)
- Luckie Street 2-Way Conversion Grant Application (\$1,001,400- July 2011)
- Traction Power Substations Contract (\$2.4M -September 2011)
- Rail and Special Trackwork Contract (\$2M - September 2011)
- Transit Enhancements Grant Application (\$4,068,880- November 2011)
- Traction Power Substation License Agreement (Peachtree Center-January 2012)

#### **Atlanta Streetcar Payment of Project Costs**

- MARTA does not financially float the project
  1. Process for project expenses payment is codified in the IGA
  2. MARTA invoices City for Local Share
  3. Following receipt of payment from the City, MARTA draws Federal fund
  4. MARTA releases payment to contractor

**Design-Build selected for expedited project delivery**

**Design**

- **Advance final design of all build elements to Issued for Construction (IFC) documentation**

**Build**

- **Track**
- **Vehicle Maintenance Facility (VMF) and Storage Yard**
- **Traction power substation (TPSS) installations**
- **Systems**
  - **Overhead Contact System (OCS)**
  - **Traffic signals, including transit signal priority (TSP)**
  - **Fare collection provisions**
  - **Communications**
- **Stops**
- **Enhancements**
  - **Bike Lanes**
  - **Sidewalks, including widening and ADA enhancements**
  - **Stop amenities**
  - **Additional traffic signals**
  - **Street repaving**
- **Luckie Street 2-way conversion**
- **Water and Sewer utility relocation**
- **Integrated testing and system commissioning**

**Next Steps**

- **Award of Design-Build Contract**
  - **February 27, 2012 Business Management Committee**
  - **March 5, 2012 MARTA Board of Directors**
- **Contract Change -AFC Software/Hardware Support Contract (Breeze)**
  - **April 2012**
- **Additional Contract Authorization - Vehicle Contract**
  - **May 2012- if needed**
- **Transit Signal Priority Equipment**
  - **May 2012 -if needed**

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- Vehicle Maintenance Equipment
  - Summer2012
- Operations & Maintenance IGA
  - Summer 2012

Mr. Buckley asked about the timeline for service implementation once the contract has been awarded.

Mr. Ferrell said revenue is expected within the last quarter of 2013.

**Other Matters**

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No other matters came before the Committee.

**Adjournment**

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The meeting of the Operations Committee adjourned at 11:32 a.m.