

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

February 4, 2013

The Board of Directors Operations & Safety Committee met on February 4, 2013 at 10:07 a.m. in the Board Room on the 6th Floor of the MARTA Headquarters Building, 2424 Piedmont Road, Atlanta, Georgia.

Board Members Present

Juanita Jones Abernathy
Harold Buckley, Sr.
Frederick L. Daniels, Jr.
Jim Durrett
Adam Orkin, Chair

MARTA officials in attendance were: General Manager/CEO Keith T. Parker; Interim Deputy General Manager/COO Rich Krisak; Interim Chief, Business Support Services Davis Allen; AGMs Deborah Dawson, Joseph Dorsey (Acting), Ben Graham, Georgetta Gregory, Robin Howard, Mary Ann Jackson, Cheryl King, Miriam Lancaster (Acting) and Elizabeth O'Neill; Sr. Director David Springstead; Directors Joe Erves, Garry Free, Pat Minnucci and Fred Remen; Manager Antoine Smith; Executive Manager to the Board Rebbie Ellisor-Taylor; Finance Administrative Analyst Tracy Kincaid; Department Administrator Brenda L. Williams. Others in attendance Dave Brown, Dontaye Brown, Cathy Jordan, Abhay Joshi, Paul Kelly, Erik Leach, Jayant Patel, Anthony Pines, Srinath Remala, Joseph Stone, Joy Thompson, Toni Thornton, Tuan Vo and Dansby Wade.

Also in attendance Charles Pursley, Jr. of Pursley Friese Torgrimson; Pam Alexander of LTK Engineering; Kenneth McDonald; Matt Pollack of MATC; Dave Williams of Metro Atlanta Chamber of Commerce.

Approval of the January 7, 2013 Operations & Safety Committee Meeting Minutes

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

Resolution Authorizing Award of a Contract for AC Traction Motor Overhaul and Repair Services, Contract Proposal Number B26769

Mr. Erves presented this resolution for Board of Directors' approval authorizing the General Manager/CEO or his delegate to enter into a contract with Swiger Coil Systems for AC Traction Motor Overhaul and Repair services.

Mr. Daniels asked what the contract covers.

Mr. Erves said the contract covers major overhaul; internal staff will handle minor repairs.

Mr. Daniels asked who ensures the firm can perform the work.

Mr. Erves said MARTA's Audit and Contracts & Procurement departments.

On motion by Mr. Durrett seconded by Mr. Buckley, the resolution was unanimously approved by a vote of 4 to 0, with 4 members present.

Resolution Authorizing Award of a Contract for Design-Build Doraville Structural Rehabilitation, RFP P22526

Mr. Free presented this resolution for Board of Directors' approval authorizing the General Manager/CEO or his delegate to award a contract to Structural Preservation Systems, LLC, for Design-Build Doraville Structural Rehabilitation.

Mr. Orkin asked if the Contractor used for the concrete work at Doraville was used at any other station.

Mr. Free said the contractor in question also built the Indian Creek station. At this time, there are no issues with Indian Creek station.

Mr. Durrett said the selected firm is more expensive, but they scored considerably higher. It is clear that MARTA is comfortable with the selection. He asked what percentage of the score is based on price.

Mrs. Lancaster said 20-25%.

On motion by Mr. Durrett seconded by Mr. Daniels, the resolution was unanimously approved by a vote of 4 to 0, with 4 members present.

Resolution Authorizing Award of Contract for Safety, Health and Industrial Hygiene Consulting Services, A/E 24109

Ms. Jordan presented this resolution for Board of Directors' approval authorizing the General Manager/CEO or his delegate to award a contract to Bureau Veritas North America, Inc. (BVNA) for Safety, Health and Industrial Hygiene Consulting Services.

On motion by Mr. Durrett seconded by Mr. Buckley, the resolution was unanimously approved by a vote of 3 to 0, with 4 members present.

Mr. Daniels abstained.

Briefing – Wayside Worker Safety

Mrs. Gregory briefed the Committee on Wayside Worker Safety.

National Wayside Worker Statistics (2008-2012), National Transit Database

- Incidents
 - 2008 – 3
 - 2009 – 6
 - 2010 – 3
 - 2011 – 2
 - 2012 – 0
 - Total – 14
- Injuries
 - 2008 – 1
 - 2009 – 3
 - 2010 – 2
 - 2011 – 2
 - 2012 – 0
 - Total – 8
- Fatalities
 - 2008 – 2
 - 2009 – 3
 - 2010 – 3
 - 2011 – 0

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- **2012 – 0**
- **Total – 8**

National Transportation Safety Board (NTSB) Recommendations

- The NTSB investigated two accidents (May 14, 2006 and November 30, 2006) in which the WMATA Metrorail trains struck and fatally injured employees who were working on wayside near main line track
- On January 30, 2008, the NTSB made four recommendations to WMATA, including
 - Promptly implement appropriate technology that will automatically alert wayside workers of approaching trains and will automatically alert train operators when approaching area with workers on or near the tracks

Overview of MARTA's Wayside Worker Protection

- Key Aspects of Rail Safety Processes
 - Standard Operating Procedures
 - Employee Certifications and Recurrent Training
 - Normal Work Processes

MARTA/Bombardier TrackSafe Project

- FTA seeks to demonstrate its support of wayside worker safety
- Bombardier was awarded FTA grant opportunity FTA-2011-010-TRI
- Transit Track Worker Safety Protection Demonstration Project
 - Improve the safety of transit workers specifically right-of-way safety on or around the right-of-way
 - Uses Radio Frequency Identification (RFID) to track the location of track workers
 - MARTA jointly developed project processes with Bombardier's Pilot Project Team
- Following consultation with MARTA, the RFID tags were embedded in the current MARTA wayside pass
 - All staff are required to carry while wayside
 - Simple solution – nothing extra

MARTA/ProTran1 ProTracker

- The patented ProTran “Portable ProTracker” is used to alert track work crews of an approaching train; it can alert work crews on existing or adjacent tracks
- The “Portable ProTracker” is lightweight, user-friendly and takes only seconds to set up
- The system is used as a secondary warning to add layering of safety to existing MARTA procedures
- The “Portable ProTracker” is used in combination with flaggers and advanced watchmen

Mr. Daniels asked how are workers notified of an oncoming railcar.

Mrs. Gregory said workers are notified visually and audibly through amber-colored light flashes and horns. The ProTran armband vibrates.

Mr. Daniels asked about the cost.

Mrs. Gregory said MARTA has not received solid quotes yet. The Authority expects to receive the best possible cost because it is serving as a beta site.

Mr. Daniels said MARTA needs to start budgeting for CIP.

Mrs. Gregory said this project is in the CIP

Briefing – Tunnel Ventilation System (TVS) Stabilization and Rehabilitation Program

Mr. Springstead briefed the Committee on MARTA’s Tunnel Ventilation System (TVS) Stabilization and Rehabilitation Program.

Purpose

- Allows for safe and orderly evacuation
- Directs air flow (push or pull) in a tunnel
- Prevents or minimizes smoke accumulation from engulfing evacuating personnel
- Scenario based – location and best evacuation path

Major Components

- Motors, fans, dampers and vent shafts
- Low level combustibles – tunnels and trains (fire hardened) are designed with low or no combustibles

TVS Assets

- Majority of assets are over 25 years old
- Compliant based on “design criteria” at time of construction
 - 9 Miles of Tunnel (Dual Track)
 - 11 Non-Contiguous Sections
 - 55 Emergency Fans
 - 26 Mid Tunnel Fans
 - 36 Under Platform Fans
 - 47 Motor Control Centers
 - 75 Fan Dampers
 - 60 Bypass Dampers

Tunnel Ventilation Program Highlights

- RSCC Stabilization Team formed July 2009
 - Train Control and SCADA System Operational
- TVS Task Force formed December 2009
 - Established monthly monitoring and reporting
 - Completed Initial Field Condition Assessment
 - Fans
 - Dampers
 - Plenums
 - Access Doors

TVS Task Force Guiding Principles

- Ensure the system remains safe and operable
- Continue stabilization efforts while the large scale rehabilitation project is scoped and funded – similar to RSCC Stabilization and TCSU Project
- Accelerate condition assessment of assets to support RFP development

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- Engage Tunnel Ventilation Industry Expertise to support stabilization and rehabilitation effort; i.e., PB, MATC – AECOM
- Contact peer agencies (BART, NYCT, CTA and Toronto) – lessons learned
- Maintain bi-weekly, multi-discipline meetings (all stakeholders involved)
- Provide operability status reports to all major departments and Senior Management (Rail Operations, Safety, IT, etc.)
- Coordinate with other Capital Projects that may interface with the TVS

TVS Rehabilitation Milestones

- Tunnel Ventilation System (TVS) Stabilization – Ongoing
 - Testing and Analysis (Fan Operation and Automated Scenarios)
 - Replacement/Refurbishment (Immediate Needs)
- Rehabilitation and Upgrade RFP Development – Ongoing
- Request Permission to Solicit and Advertise RFP – Q4, FY13
- Award Contract – Q1, FY14
 - Forecasted Program Cost \$120M - \$145M
- Rehabilitate TVS System – FY14 - FY18

Mr. Durrett said excellent presentation. He asked if MARTA's Asset Management Program is in a database.

Mr. Springstead said yes. MARTA is one of the first agencies to load electronically.

Other Matters

No other matters came before the Committee.

Adjournment

The meeting of the Operations & Safety Committee adjourned at 10:57 a.m.

Respectfully submitted,

A handwritten signature in cursive script that reads "Kellee N. Mobley". The signature is written in black ink and is positioned above the printed name.

Kellee N. Mobley
Sr. Executive Administrator to the Board