

**Washington Metropolitan Area Transportation Authority
Board Action/Information Summary**

<input checked="" type="checkbox"/> Action <input type="checkbox"/> Information	MEAD Number: 99736	Resolution: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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PURPOSE

To authorize a modification to the existing ROCS Upgrade Contract with ARINC to enhance the Track Access Management functionality that is part of the new Rail Operation Computer System (ROCS). This will be accomplished by completing a detail design specification, software development, and implementation of this enhanced General Orders and Track Rights Authorization System (GOTRS).

DESCRIPTION

The current GOTRS process consists of mainframe computer components and a multitude of manual processes. In the last five years, requests to access the rail system right of way have increased by 300%. Right-of-way access is required to perform necessary work needed to either improve or sustain customer service related efforts such as the Metro Matters Program and Routine Maintenance activities.

Based on the feasibility analysis completed in November 2006, the current GOTRS system and processes are no longer able to schedule and manage WMATA's track rights. Due to the limitation of the current GOTRS system, the multitude of manual processes that are being managed should be incorporated into a new system to improve the efficiency of the process. The feasibility analysis identified that the design for an enhanced system should incorporate automated processes with override capability available to authorized personnel at all times, providing real time feed back to the requestor, conflict resolution, a graphic interface for entry and review of the rail lines, and interfaces to existing systems that provide project and maintenance scheduling information.

This effort will be accomplished by modifying Contract with ARINC. ARINC is currently upgrading WMATA ROCS. The modification will focus on implementing the key aspects of the system functionality identified in the analysis in order to

offer the most immediate benefit. These functions include, graphic user interface for manual requests and visual feedback, GOTRS business rules, automated notification of conflicts and changes to request, automate the Red Tag request process and automatically producing switching orders, provide breaker status and supervisory outages to Rail Central Control as well as management of piggyback requests.

FUNDING IMPACT

The FY07 Budget contains \$600,000 to perform the design, programmatic approval was granted on December 21, 2006 (Mead 99696) to modify a contract for this work. The development and implementation of this program is contained in the OIT Strategic and Business Plan in FY08 in the amount of \$2,650,000.

RECOMMENDATION

To authorize a modification to the existing ROCS Upgrade contract to enhance the Track Access Management functionality that is part of the new Rail Operation Computer System (ROCS). This will be accomplished by completing a detailed design specification, software development, and implementation of this enhanced General Orders and Track Rights Authorization System (GOTRS).