

Washington Metropolitan Area Transit Authority
Board Action/Information Summary

<input checked="" type="radio"/> Action <input type="radio"/> Information	MEAD Number: 101082	Resolution: <input type="radio"/> Yes <input checked="" type="radio"/> No
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TITLE:

Flat Car and Concrete Volumetric Mixer

PURPOSE:

To obtain Board approval to initiate and award two competitive procurements for a Flat Car and a Concrete Volumetric Mixer.

DESCRIPTION:

This request supports Metro's goal of delivering quality service and using every resource wisely while enhancing our safety culture. These purchases will aid the ongoing state of good repair programs and will provide the most efficient process and capability for rehabilitating deteriorated track pads and shock absorbers.

Flat Car-\$250,000

The Office of Track and Structures (TRST) has a requirement for one additional flatcar to support the Track Pad/Shock Absorber program, CIP-021. This flatcar will accompany the new Prime Mover previously procured for expansion of this program. Flatcars are rail bound units with an open, flat deck designed to safely and efficiently transport materials, tools and equipment for the Track Pad/Shock Absorber program and various other types of track rehabilitation projects throughout the mainline and rail yards. This particular flatcar will transport the volumetric mixer necessary to increase the productivity of rehabilitating track bed grout pad overall program.

Concrete Volumetric Mixer-\$300,000

Broken and detached track bed grout pads on the Metrorail system have been identified as a leading contributor to premature deterioration of track guideway components such as rail, switch points, frogs and other associated hardware. The Metrorail system was built with a reliance on grout pads to provide correct track geometry. This geometry must be maintained to provide safe and reliable transportation through the system. Periodic rehabilitation of track bed grout pads is required to keep proper rail alignment, track geometry and third rail support. This rapid set volumetric mixer will provide for an efficient method to pour high strength concrete in a quick fashion which will increase the number of grout pads replaced and reduce the number of premature failures of system components.

Purchasing the rapid set volumetric mixer, which is completely self-contained with an independent hydraulic system, aggregate storage bins and a tremie mixer, will provide the most efficient process and capability for rehabilitating deteriorated track bed grout pads.

FUNDING IMPACT:

RFP to be issued by April 29, 2011
 Award made by June 15, 2011
 Products arrive by December 1, 2011

FY-2011	
Program:	Capital Improvement Program-CIP-021
Project:	Track Pad/Shock Absorber
Project Manager:	Clay Bunting
Project Department/Office:	Department of Transit, Infrastructure, and Engineering Services/Office of Track and Structures
Budget:	\$4,510,378
This Action:	\$ 550,000
Prior Approval:	\$3,052,917
Remaining Budget:	\$ 907,461
Remarks:	
Operating Budget Impact:	Annual Expense: \$4,500 General maintenance and fuel cost estimate for concrete volumetric mixer. This amount is included in the FY2012 Budget.

RECOMMENDATION:

Approval to initiate and award two competitive procurements for a Flat Car and a Concrete Volumetric Mixer.