

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

<input checked="" type="radio"/> Action <input type="radio"/> Information	MEAD Number: 100342	Resolution: <input type="radio"/> Yes <input checked="" type="radio"/>
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**TITLE:**

Turnouts & Crossovers-POC #142

**PURPOSE:**

This action is to obtain Board approval to initiate and award a competitive procurement of a multi-year contract for turnouts and crossovers for FY2010 through FY2012.

**DESCRIPTION:**

The Office of Rail Track and Structures (TRST) has the responsibility for track maintenance of the Metro system.

A turnout is a mechanical track asset that enables trains and equipment to "turnout" from one mainline track to another. A crossover is also a mechanical track asset that enables rail bound trains and equipment to "crossover" from one track to another on the same line at a railway junction.

There are 627 turnouts in the rail system. To date TRST has replaced 236 turnouts in the rail system. The total number of No.8 turnouts is 367.

This action will allow TRST to procure and replace another 90 turnouts on the mainline, yard and connecting leads. An average of 30 turnouts per year are projected for replacement in FY2010 through FY2012. The turnouts and crossovers identified for replacement have been in service a minimum of 20 years and are reaching the end of their useful life. The turnouts and crossovers are located at various locations on Metro`s mainline tracks and maintenance yards. Mainline turnout replacement has been prioritized by frequency of use and a combination of the life cycle replacement values.

A 2007 NTSB report recommended that all standard No.8 turnouts be replaced with No.8 guarded turnouts to minimize the risk of a wheel flange climb derailment. The total number of No.8 turnouts in the rail system is 367.

To date, TRST has replaced 158 standard No.8 turnouts with guarded turnouts.

There remain 209 No.8 standard turnouts to be replaced, and Metro plans to replace them all. Included in this request is the purchase of 81, No.8 guarded turnouts to be installed over the next three fiscal years.

TRST intends to install Turnouts and Crossovers in FY10 through FY12 at the following locations:

**FY2010**

Brentwood Yard, Silver Spring, Telegraph Road, Alexandria Yard, Van Dorn, McPherson Square, Forest Glen, New Carrollton Yard and National Airport.

**FY2011**

Alexandria Yard, Addison Road, Eastern Market, Wheaton, Rosslyn, Smithsonian, U Street, Ballston and Federal Center.

**FY2012**

Telegraph Road, Foggy Bottom, Clarendon, Fort Totten, Navy Yard, Anacostia, Alexandria Yard, College Park and Prince George's.

The replacement units are being procured as complete panelized units, which include all components of a turnout or crossover. The life expectancy of the new track work is estimated to be 20 years.

This item was originally included in the proposed Capital Plan of Contracts that was deferred at the FAO Committee on September 10, 2009. This is a priority contract and is being submitted individually because Board-approval of the Plan will not be considered until October, 2009. The new contract is item number 142 in the amount of \$2,700,000 on the Plan of Contracts submitted to the FAO Committee on September 10, 2009.

**FUNDING IMPACT:**

<b>FY2010 Capital Improvement Program Project-ROW Track Rehabilitation-PE_TRAC Fiscal Years 2010-2012</b>		
<b>FY</b>	<b>2010</b>	<b>MM FY11-FY12</b>
Budget:	\$16,000,000	\$13,374,000
This Action:	\$2,700,000	\$7,300,000
Prior Approval:	\$3,979,000	\$5,745,000
Remaining Budget:	\$9,121,000	\$329,000

Remarks: None

Operating Budget Impact:      There is no impact on the operating budget concerning this request for Turnouts & Crossovers.

This action is subject to availability of funds, Board budget approval, and the outcome of the capital prioritization process.

**RECOMMENDATION:**

Approval to initiate and award a competitive multi-year contract for turnouts and crossovers.