

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

<input type="checkbox"/> Action	MEAD Number:	Resolution:
<input checked="" type="checkbox"/> Information	99853	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

PURPOSE

Initiate and award a competitive contract for rehabilitation of station and tunnel ventilation equipment.

DESCRIPTION

This contract will rehabilitate tunnel ventilation systems in 49 fan and vent shafts throughout the Metrorail System. The tunnel ventilation systems have been in service for as many as 30 years. In addition to their age, the ventilation system components have been exposed to the harsh tunnel environment of brake dust, extreme air pressures, and moisture. The dampers and associated control equipment must be rehabilitated to ensure reliable operations.

Vent and fan shafts are located throughout the tunnel areas of the Metrorail system to allow air to enter and exit the tunnels and stations. Vent shafts have pneumatic damper systems that can be used to restrict air flow, and fan shafts have reversible fans that are used to exhaust air or force air into the tunnels in case of fire or other emergency conditions.

There are approximately 290 shafts throughout the system and currently 62 have been rehabilitated. This action will rehabilitate an additional 49 shafts that are in need of rehabilitation. This work is part of the Metro Matters program.

FUNDING IMPACT

Program: Proposed FY08 Metro Matters Capital Improvement Program

Project: Station and Tunnel Rehabilitation

	FY08	FY09	FY10	FY11	FY12	Total
Budget:	\$5,510,000	\$3,701,000	\$2,274,000	\$5,160,000	\$4,528,000	\$21,173,000
This Action:	735,695	2,153,713	1,030,289	2,517,279	2,563,024	9,000,000
Prior Approval:	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Remaining Budget:	\$4,774,305	\$1,547,287	\$1,243,711	\$2,642,721	\$1,964,976	\$12,173,000

RECOMMENDATION

Initiate and award a competitive contract for rehabilitation of station and tunnel ventilation equipment.