

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

Action
 Information

MEAD Number:
99868

Resolution:
 Yes No

PURPOSE

Board approval to award a multi-year contract to Haris Design and Construction (FP7029) for the Rehabilitation of Structural Concrete at seven underground stations.

DESCRIPTION

The Board approved the initiation and award of a multi-year contract for the Rehabilitation of Structural Concrete at seven underground stations in the amount of \$5.4 million in December 2006. The budgeted amount was comparable to the previous contract to rehabilitate five stations on the Red line and two stations on Green lines.

As the design was finalized, additional engineering studies uncovered an issue pertaining to corrosion and structural deterioration of the concrete. Water was penetrating the concrete through tiny cracks. The combination of water penetration, subsequent expansion/contraction of cracks on the concrete surfaces and corrosion of the reinforcing steel inside the concrete surface could lead to safety hazards such as falling of concrete chunks on the platforms. In actuality, a section of concrete has fallen at one station. To prevent the corrosive nature of water penetration, a long-term solution was recommended.

Structural engineers recommended that application of a corrosion inhibitor and water repellent coatings be included in the rehabilitation requirements to prevent further concrete deterioration. These remediation measures were recommended to avoid extensive repairs of station concrete structures or replacement of the structures in the future. The coating will not alter the architectural appearance of the stations and it will provide the required protection to the concrete surface. These additional coatings increased the engineers' estimate for this work.

WMATA received only one responsive bid in the amount of \$10,597,346.50. The Office of Inspector General will perform a cost analysis prior to award. On October 11, 2007 the Finance, Administration and Oversight Committee approved the reprogramming of Capital Improvement Program budget to fund this contract.

FUNDING IMPACT

Program: Proposed FY08 Capital Improvement Program

Project: Structural Rehabilitation

	FY08	FY09	FY10	Total
Budget:	\$11,076,000	\$15,102,000	\$18,493,000	\$44,671,000
This Action:	1,227,346	6,000,000	3,370,000	10,597,346
Prior Approval:	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Remaining Budget:	\$9,848,654	\$9,102,000	\$15,123,000	\$34,073,654

* This action has been forwarded to the Board for approval on October 25, 2007.

RECOMMENDATION

Board approval to award a multi-year contract to Haris Design and Construction (FP7029) for the Rehabilitation of Structural Concrete at seven underground stations. This will be contingent upon the approval of the Capital Improvement Program.