



Planning, Development and Real Estate Committee

Board Action Item VI-C

September 10, 2009

**First Orange/Blue Line System
Rehabilitation Project**

Washington Metropolitan Area Transit Authority
Board Action/Information Summary

<input checked="" type="radio"/> Action <input type="radio"/> Information	MEAD Number: 100388	Resolution: <input type="radio"/> Yes <input checked="" type="radio"/> No
---	------------------------	--

TITLE:

Orange/Blue Line Rehabilitation

PURPOSE:

To obtain Board of Directors approval to initiate a contract to provide System Infrastructure Rehabilitation for the Orange and Blue Lines from Stadium-Armory Metrorail station to Reagan National Airport station.

DESCRIPTION:

This is a continuation of the new System Infrastructure Rehabilitation Program for the Metro rail system presented at the July 24, 2008 Committee and Board Meetings. The Red Line rehabilitation - 1 contract received Board approval to award a \$177 Million contract on July 16, 2009. The Orange/Blue Line project will enhance Metro`s ability to keep the system in a state of good repair, with minimal disruption, increase productivity and reduce cost.

This project encompasses work from Stadium-Armory station to the Reagan National Airport station on the Orange and Blue Lines. The contract will include standard bid-build construction elements where designs currently exist, design-build construction elements where designs need to be prepared, and a job order contract approach, where a standardized unit price schedule can be applied to the work required. On-call contracts will be utilized to provide design, engineering, and construction support services.

This type of contracting will result in a more efficient use of contractor and Metro resources, resulting in increased productivity. Week night single tracking in accordance with Metro`s track rights guidelines will be implemented to accomplish the majority of the work. By providing the contractor greater access in a defined area, productivity is increased greatly. The overall time required to complete the work will be reduced, thus reducing overall cost.

Work to be performed includes, but is not limited to, traction power, automatic train control, motor control centers, communications upgrades, track fasteners replacement, tunnel lighting replacement, tunnel ventilation and fire standpipe rehabilitation. Station rehabilitation includes platform slab/tile replacement, canopy roof replacement, station vaults repair, air conditioning/ventilation equipment rehabilitation and replacement, lighting, public address, closed circuit video camera (CCTV) system upgrades and elevator/escalator rehabilitation.

FUNDING IMPACT:

Action for Multi-Year Fund				
	Capital Improvement Program			
	Orange / Blue Line Rehabilitation - 1			
Budget:	FY10 Metro Matters	FY11-13 Metro Matters	FY11-14 Beyond Metro Matters	Total
	\$1,500,000	\$40,000,000	\$338,510,915	\$380,010,915
This Action:	\$1,500,000	\$40,000,000	\$338,510,915	\$380,010,915
Prior Approval:	\$0	\$0	\$0	\$0
Remaining Budget:	\$0	\$0	\$0	\$0
Remarks:	The budget and funding are subject to the prioritization process and Board approval of the next funding agreement.			
Operating Budget Impact:	Positions: None Annual Expense: None			

RECOMMENDATION:

Board of Directors approval to initiate a contract to provide System Infrastructure Rehabilitation for the Orange and Blue Lines from Stadium-Armory Metrorail station to Reagan National Airport station.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

First Orange/Blue Line System Rehabilitation Project

Planning, Development and Real Estate Committee

September 10, 2009



Purpose

- To obtain approval to initiate a project to provide System Infrastructure Renewal Program for: the Orange Line from Stadium-Armory to Rosslyn (20 stations, 24 miles) along with the Benning Road aerial structure and the Minnesota Avenue Station and Deanwood Station platform repairs; and the Blue Line from Stadium-Armory to Reagan National Airport Stations; and authority to initiate a contract to accomplish the project.



New Practice and Sequencing

- One contract
 - To address all infrastructure rehabilitation work in a specific portion of the system, instead of multiple contracts
- One contractor responsible
 - To minimize disruption and increase productivity
- Reduce overlapping track rights requests
 - Coordinate and work in same area on maintenance projects with Metro internal staff
- Optimize use of escort, inspection, and safety personnel
 - Single tracking during the week as early as 8pm, Sunday night through Thursday night, where allowed, per Track Rights Guidelines

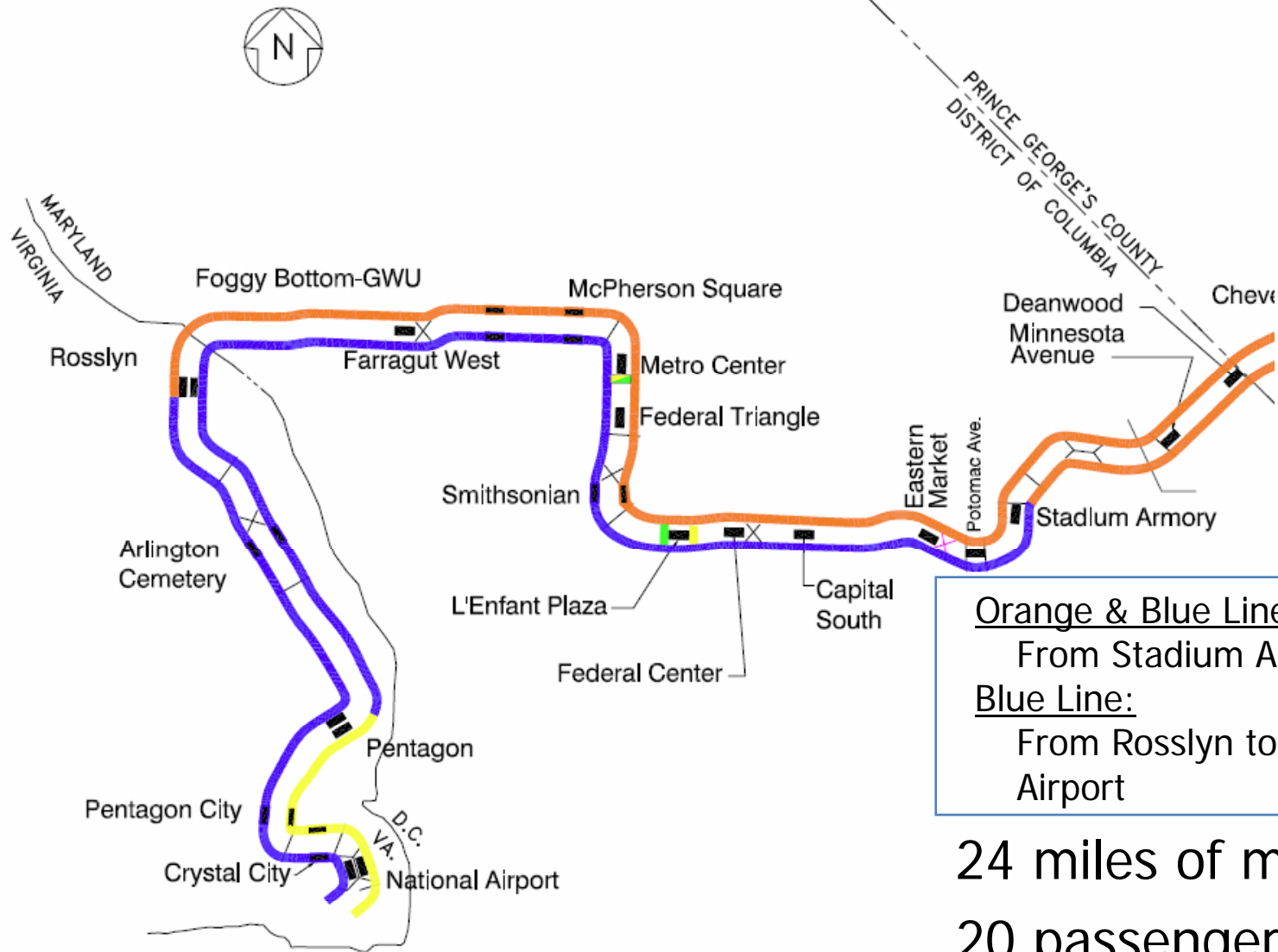


Background

- Previous Board Approvals
 - July 24, 2009
Initiation of the first Red Line System Rehabilitation Contract
 - July 16, 2009
Award of the first Red Line System Rehabilitation Contract
 - December 18, 2008
Initiation of the first Bus Facility System Rehabilitation Contract



Blue/Orange Segment 1



Orange & Blue Lines:

From Stadium Armory to Rosslyn

Blue Line:

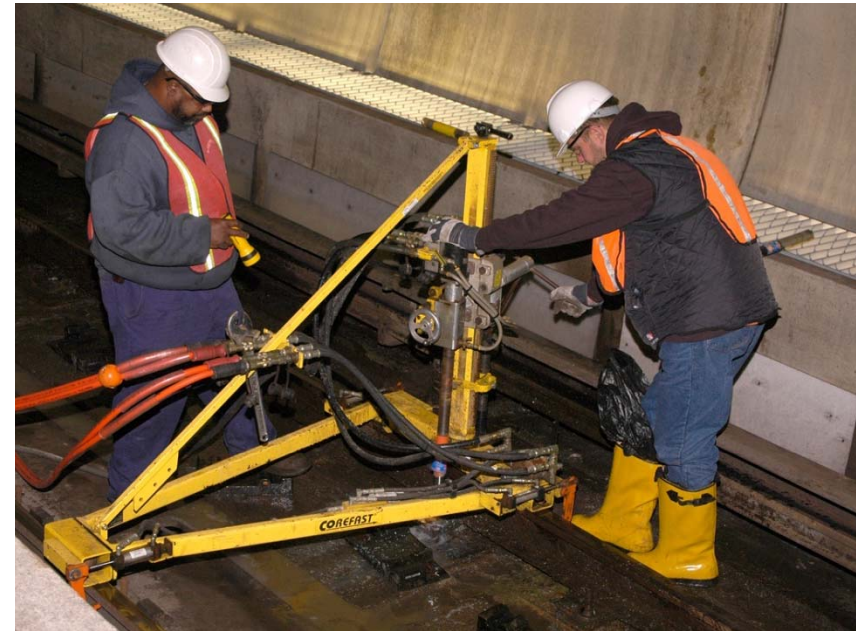
From Rosslyn to Reagan National Airport

24 miles of mainline track
20 passenger stations



Contract Scope

- Station rehabilitation
- Upgrade and replace electrical equipment
- Rehabilitate and replace mechanical equipment
- Elevator and escalator rehabilitation
- Right of Way Rehabilitation
- Upgrade Automatic Train Control





Construction Schedule

Issue Request for Qualifications	Sep 25, 2009
Issue Request for Proposals	Dec 29, 2009
Contract Award (Five-Year Contract)	Jun 25, 2010
Phase 1: Stadium-Armory Station to Capital South	
• Projected Budget: \$ 90.6M	
• Construction Duration: 15 months	
Phase 2: Capital South to Smithsonian	
• Projected Budget: \$ 59M	
• Construction Duration: 12 months	
Phase 3: Smithsonian to Foggy Bottom/GWU	
• Projected Budget: \$ 68.8M	
• Construction Duration: 12 months	
Phase 4: Foggy Bottom/GWU to Pentagon City	
• Projected Budget: \$ 101.6M	
• Construction Duration: 12 months	
Phase 5: Pentagon City to Reagan National Airport	
• Projected Budget: \$ 60M	
• Construction Duration: 9 months	



Recommendation

Approval to initiate a project to provide System Infrastructure Renewal Program for the Orange Line from Stadium-Armory to Rosslyn Metrorail Stations (20 stations, 24 miles) along with the Benning Road aerial structure and the Minnesota Avenue and Deanwood Metrorail Station platform repairs; and the Blue Line from Stadium-Armory to Reagan National Airport Metrorail Stations; and authority to initiate a contract to accomplish the project.