

Washington Metropolitan Area Transit Authority
Board Action/Information Summary

<input checked="" type="radio"/> Action <input type="radio"/> Information	MEAD Number: 100533	Resolution: <input type="radio"/> Yes <input checked="" type="radio"/> No
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TITLE:

Enhance Bus System Applications

PURPOSE:

To obtain Board approval to initiate and award competitive procurements to provide enhancements to existing Bus application systems.

DESCRIPTION:

Metro is currently using the OrbCAD system to manage real-time vehicle location and automatic emergency alarm as well as to provide two-way voice and data messaging to single and multiple vehicles from Bus Operations Control Center (BOCC) to the on-vehicle equipment. The system provides vehicle status for schedule and route adherence performance, deadheading, and operator log-on and incident management. Enhancements include recognition of special service schedules, real-time management reports, and bus stop inventory management. Due to funding constraints, Fleetwatch was only rolled out to two divisions.

There is a current stimulus project that will complete the rollout to the remaining bus divisions. This action allows Fleetwatch to be implemented at all locations where all other Metro vehicles are serviced.

The specific results of this effort include:

- Replacement of the aging bus mobile data terminal (AMDT).
- Integration of the vehicle location, maintenance, annunciation and passenger count systems into single equipment.
- Completion of the Fleetwatch rollout to remaining sites so that all Metro vehicles are serviced through this system.
- Enhancement and upgrading of the OrbCAD System functionalities and reporting.
- Adding OrbCAD software consoles in BOCC.

These actions will help Metro achieve the goal of delivering quality service.

The following are specific procurement actions that will be covered under this action:

- AMDT replacement: \$1,000,000
- Systems integration: \$200,000
- Fleetwatch expansion: \$1,000,000
- OrbCAD enhancement, integration services, servers hardware: \$280,000.
- OrbCAD consoles hardware and software: \$50,000

These actions are expected to be completed over a 12-month to 18-month period.

FUNDING IMPACT:

Budget: Metro Matters
 Project: Information Technology
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Budget Information:	FY10 PE_ITUP_ITI0601	FY10 PE_ITIS_ITI0601	FY11-FY13 Metro Matters	TOTAL
Budget Amount:	\$21,046,484	\$28,601,270	\$20,000,000	\$69,647,754
This Action:	\$330,000	\$1,200,000	\$1,000,000	\$2,530,000
Prior Actions:	\$3,418,160	\$8,106,129	\$3,176,879	\$14,701,168
Subtotal:	\$3,748,160	\$9,306,129	\$4,176,879	\$17,231,168
Remaining Budget:	\$17,298,324	\$19,295,141	\$15,823,121	\$52,416,586

Operating Budget Impact: None.

Remarks: Budgets for FY2011-FY2013 are subject to approval by the Board, the receipt of funds, and the allocation of funds to this category of projects.

RECOMMENDATION:

Approval to initiate and award competitive procurements to provide enhancements to existing Bus application systems.