



Planning, Development and Real Estate Committee

Board Action Item IV-C

June 12, 2008

On-Call Engineering Services

Washington Metropolitan Area Transit Authority
Board Action/Information Summary

<input checked="" type="checkbox"/> Action <input type="checkbox"/> Information	MEAD Number: 100014	Resolution: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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TITLE:

FY09 Work Prog for consultants

PURPOSE:

To obtain approval of the Board of Directors for authorization of the FY09 annual work programs for three "On-Call" engineering services contracts.

DESCRIPTION:

This is a FY09 annual work program three engineering services contracts to perform all projects planned for FY09. The approval process for "On-call" engineering services contracts is in compliance with the procedure followed during the past several years.

The requested monies will be utilized primarily to fund consultant design and support tasks for the continuing Metro Matters Program, urgent unfunded needs, and other non-Metro Matters support tasks for Dulles Extension, Joint Development and Rail Car Support.

(1) General Architectural and Engineering Services Contract (SF5070)

This is the fourth year of a five-year contract for "On-Call" General Architectural and Engineering Services with a joint venture consisting of Parsons Transportation Group, Parsons Brinckerhoff Quade and Douglas, and Delon Hampton and Associates (P2D). The estimated cost for the FY09 annual work program is \$22,337,319.

(2) Vehicle Engineering Consultant Services Contracts (C05102)

This is the third of four one-year options for professional engineering and technical services with Booz Allen Hamilton in support of future vehicle programs. Estimated costs for the FY09 program is \$10,700,000

(3) Planning, Architectural, and Engineering Services for Future `New Starts` Projects Contract (SF5111)

This is the fourth year of a five-year contract for "On-Call" Planning, Architectural, and Engineering Services for future `New Starts` Projects to DMJM Harris, Inc. The estimated cost of FY09 annual work program is \$3,500,000.

FUNDING IMPACT:

Budget Capital Improvement Program
Project Metro Matters Program
 FY2009
Budget 534,409,000
This Action 28,453,319
Prior Actions 229,026,275
Remaining Budget 276,929,406

Remarks: This action is for various projects within the Infrastructure Renewal Program, Eight-Car Train Capital Initiative and Bus Improvement Capital Initiative.

Budget Office: Operating Budget, Fiscal 2009
 PLAN
Account: Professional and Technical Services
Budget 419,788
This Action 400,000
Prior Actions 0
Remaining Budget 19,788

Remarks:

Budget Office Operating Budget, Fiscal 2009
 Rail CENV
Account Professional and Technical Services
Budget 417,935
This Action 400,000
Prior Actions 0
Remaining Budget 17,935

Remarks:

Budget Reimbursable Project
Project Glenmont Parking Struct.
 FY2008
Budget 23,900,000
This Action 50,000
Prior Actions 1,595,614
Remaining Budget 22,254,386

Remarks:

Budget Reimbursable Project
Project Dulles Design/Build
 FY2008
Budget 272,850,000
This Action 2,484,000
Prior Actions 748,882
Remaining Budget 269,617,118

Remarks:

Budget Rail Construction
Project 5000 Rail Car Series Proc.
Budget 383,075,521
This Action 500,000
Prior Actions 382,512,411
Remaining Budget 63,110

Remarks:

Budget Reimbursable Project
Project Anacostia Light Rail
Budget 16,100,000
This Action 250,000
Prior Actions 15,790,625
Remaining Budget 59,375

Remarks:

Budget Reimbursable Project
Project Largo Rail Extension
Budget 469,458,604
This Action 50,000
Prior Actions 467,715,293
Remaining Budget 1,693,311

Remarks:

Budget Reimbursable Project
Project Southeast Bus Garage
 FY2008
Budget 65,469,764
This Action 50,000
Prior Actions 4,440,438
Remaining Budget 60,979,326

Remarks:

Budget Reimbursable Project
Project Columbia Pike NEPA/PE
Budget 1,500,000
This Action 1,500,000
Prior Actions 0
Remaining Budget 0

Remarks:

Budget Reimbursable Project
Project Project Development
 FY2009
Budget 3,000,000
This Action 2,200,000
Prior Actions 0
Remaining Budget 800,000

Remarks:

Budget Reimbursable Project
Project 6000 Series Procurement - Base
Budget 120,000,000
This Action 200,000
Prior Actions 119,521,498
Remaining Budget 278,502

Remarks:

RECOMMENATION:

The Board of Directors approves the FY09 annual work programs for three "On-Call" engineering services contracts.



FY09 Annual Work Program for Three Engineering Services Contracts

Presented to the Board of Directors:

Planning, Development and Real Estate Committee

June 12, 2008





Purpose

- To obtain approval of the Board of Directors for authorization of the FY09 annual work programs for three "On-Call" engineering services contracts.



Benefits / Costs

- **Benefits**

- The Authority will benefit by avoiding staffing necessary to support the work covered under these contracts.
- It provides “one-stop shopping” for specialized Professional Services.

- **Costs**

- Savings by eliminating the need to hire additional temporary staff to support these tasks.
- Savings by not having the administrative cost of procuring and managing multiple contracts.



Background

- **In 2005 the Board approved the award of three on-call engineering contracts.**
 - **General Architectural and Engineering Services – Parsons Transportation Group, Parsons Brinckerhoff Quade and Douglas, and Delon Hampton and Associates (P2D)**
 - **Vehicle Engineering Consultant Services – Booz Allen Hamilton.**
 - **Planning, Architectural and Engineering Services for future ‘New Starts’ projects – DMJM Harris, Inc.**
- **Funds to be committed when tasks are issued, subject to budget authorization and availability of funds.**



Power Projects

Replacement of low voltage systems including: voltage regulators, motor control centers, cables, conduits, switches, boxes and lights.

Item	Work Completed	Work in Metro Matters	Total in System
Motor Control Centers (MCC)	17	82	461
Voltage Regulators	39	46	49



Serves Ventilation Fans & Drainage Pumps

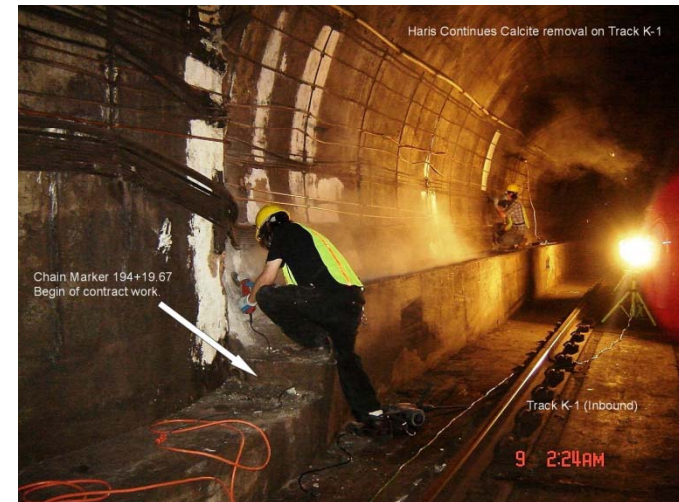


Motor Control Center



Structural Projects

Item	Work Completed	Work in Metro Matters	Total in System
Rehab Cut and Cover Concrete Tunnel (in feet)	2,403	3,048	115,464
Rehabilitation of Concrete Tunnel Liner (in feet)	2,100	8,586	233,192
Rehabilitation of Steel Tunnel Liner (in feet)	6,050	6,050	21,017
Retaining Walls (in feet)	1,786	4,296	129,859
Portal Walls (each)	0	2	28





FY09 Program General Architectural and Engineering Services

PROGRAM	PROJECTS	AMOUNT
Infrastructure Renewal Program (IRP)	Passenger & Maint. Facility, Systems, Track Structures, etc.	\$14,505,531
Metro Matters Rail Car Program	Traction Power upgrade	\$3,607,788
Metro Matters Bus Program	Bus Corridor Planning and Projects, Safety & Security	\$1,040,000
System Access Capacity Program (SAP)	Safety & Security	\$100,000
System Expansion Program (SEP)	Project Development, Dulles Project, Safety & Security	\$2,984,000
Operating Budget	Bus Service Evaluation	\$100,000
TOTAL		\$22,337,319



FY09 Program

Vehicle Engineering Consultant Services

PROGRAM	PROJECTS	AMOUNT
Infrastructure Renewal Program (IRP)	2K/3K-Series Overhaul Support, Hybrid / Elect. Bus Procurement Support, New Bus Procurement Spec. and Technical Support for Heavy Equip. Overhaul	\$5,000,000
System Access Capacity Program (SAP)	6000-Series Procurement Support	\$200,000
System Expansion Program (SEP)	Rail Car Eng. Support, Anacostia Streetcar Procurement Support	\$1,300,000
Operating Budget	Vehicle and Rail Car Eng. Support, 1000-Series Crack Investigation	\$400,000
Metro Matters Rail Car Program	6000-Series Procurement Support and 8-Car Precision Station Stop Support	\$3,300,000
Rail Capital	5000-Series Procurement Support	\$500,000
TOTAL		\$ 10,700,000



FY09 Program Planning, Architectural, and Engineering Services for Future “New Starts”

PROGRAM	PROJECTS	AMOUNT
Metro Matters Bus and Facilities Program	Bus Corridor Planning and Projects	\$1,000,000
System Expansion Program (SEP)	Project Development, Columbia Pike NEPA/PE	\$2,200,000
Operating Budget	Ridership Forecasting & GIS	\$300,000
TOTAL		\$3,500,000



Funding

- All funds for professional services contracts are proposed in the FY09 annual budget or are from prior year.



Recommendations

- **The Board of Directors approve authorization of the FY09 annual work programs for three “On-Call” engineering services contracts.**

PRESENTED AND ADOPTED:

SUBJECT: FY 2009 PROJECT DEVELOPMENT PROGRAM

PROPOSED
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WHEREAS, The WMATA Board of Directors adopted a Transit Service Expansion Plan that defines proposed projects and programs to accommodate a doubling of transit ridership by 2025; and

WHEREAS, The implementation of the projects and programs contained in the Transit Service Expansion Plan needs to follow the federally mandated planning and project development process for major capital investments; and

WHEREAS, The planning and project development process requires that planning and conceptual engineering occur in evaluating transit needs and identifying viable solutions for station access and capacity improvements, new transit facilities and high priority transit corridors, and that additional levels of planning, engineering and design are required in the preliminary engineering stage of project development after selection of a preferred alternative; and

WHEREAS, The WMATA Board of Directors established a Project Development Program that supports and provides the necessary planning and engineering during the project development process for projects contained in the Transit Service Expansion Plan adopted by the WMATA Board of Directors; and

WHEREAS, The WMATA Board of Directors directed the enhancement of planning efforts in station access and pre-development planning for joint development, including assessing the demand and capacity impacts of nearby development on Metrorail stations and determining community and operational impacts of joint development projects; and

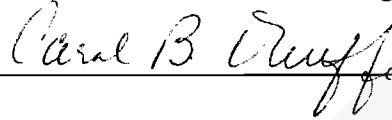
WHEREAS, The WMATA Board of Directors annually approves the specific use of project development funds for projects through its adoption of the Project Development Program; and

WHEREAS, The proposed FY 2009 Reimbursable Projects Program includes \$3,000,000 for Project Development; now, therefore be it

RESOLVED, That the WMATA Board of Directors approves the projects contained in Attachment (A) for inclusion in the FY 2009 Project Development Program subject to the passage of the FY 2009 budget and the availability of funds; and be it finally

RESOLVED, That this Resolution shall be effective immediately.

Reviewed as to form and legal sufficiency,



Carol B. O'Keeffe
General Counsel

PROJECTS FOR THE FY 2009 PROJECT DEVELOPMENT PROGRAM

Regional Projects:

- ❖ Customer Facilities Projects
 - Bicycle/Pedestrian Access Improvements
 - Bus Transit Centers
- ❖ Capital Improvement Planning
- ❖ Core Capacity Station Analysis

District of Columbia Projects:

- ❖ District of Columbia Bus Corridor Planning
- ❖ Pre-development Planning for Fort Totten
- ❖ Archives-Navy Memorial-Penn Quarter Station Second Entrance Study
- ❖ Station Planning Support for District of Columbia
 - Eastern Market Station Access Planning
 - St. Elizabeth's Campus Redevelopment
 - Stakeholder Participation in Local Land Use Studies
 - Joint Development Planning Support

State of Maryland Projects:

- ❖ Maryland Bus Corridor Planning
- ❖ Regional Study - Regional Coordination
 - Bus Planning for Base Realignment and Closure - Maryland
- ❖ Support for Transit Oriented Development Initiatives
 - Economic Analysis
 - Feasibility Assessment
 - Operational Requirements
 - Pre-development Planning

❖ Station Planning Support for Maryland

- Planning Support for Maryland Department of Transportation (e.g., Purple Line, Corridor Cities Transitway, Maryland Route 5 Corridor)
- Forest Glen Station Pedestrian Tunnel Concept Plan Update
- Stakeholder Participation in Local Land Use Studies
- Joint Development Planning Support

Commonwealth of Virginia Projects:

❖ Virginia Bus Corridor Planning

- Leesburg Pike – 28 Line (Completion)
- Kingstown to Pentagon via Alexandria and Shirlington
- City of Alexandria Priority Corridors
- Bus Rapid Transit Service: Crystal City to Braddock Road Station
- Arlington Hall Access Study
- Little River Turnpike (Route 236)

❖ Regional Study – Regional Coordination

- Bus Planning for Base Realignment and Closure – Virginia

❖ Pre-development Planning for Braddock Road Station

❖ East Falls Church Station Access Planning

❖ Vienna/Fairfax-GMU Station Vision Plan

❖ Station Planning Support for Virginia

- Planning Support for City of Alexandria (e.g., Eisenhower Avenue and King Street Stations)
- Crystal City Station Access Study Update
- Stakeholder Participation in Local Land Use Studies
- Joint Development Planning Support