



# Washington Metropolitan Area Transit Authority

---

## *Expert Review & Analysis*



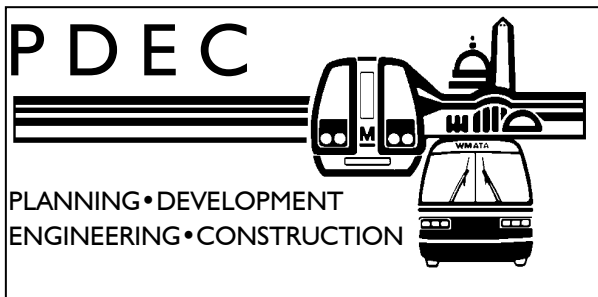
*Presented to the Board of Directors:*

**Planning & Development Committee**

*by*

**Infrastructure Renewal Programs**

March 2, 2006





# I. Purpose

---

- To obtain the recommendation from the Planning and Development Committee and approval of the Board of Directors
  - to negotiate and execute a 15-month sole source agreement with the American Public Transit Association for expert reviews of on-going capital programs and operational matters;
  - to authorize funding from the capital budget for an APTA administrative fee up to \$62,500; and
  - to indemnify APTA and its contractors and transit agency employees for activities associated with the assessment and reporting of WMATA activities.



# II. Discussion

---

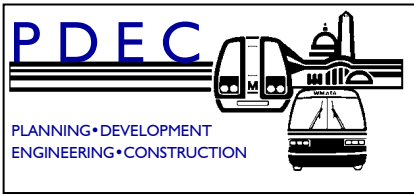
- The Authority requires independent expert services to review engineering matters associated with ongoing projects and operational concerns.
- Recent engineering matters that have required expert review include:
  - Traction Power Program to support 8 car trains
  - Traction Power review of Morgan Boulevard Station
  - Track Circuit anomaly at Rosslyn
  - Rehabilitation of rail cars
- WMATA has limited review resources for rail car and bus engineering.



## II. Discussion (cont'd)

---

- Some Federal agencies (for example, the General Services Administration) use this tool to provide advice to project managers. In the GSA program:
  - At the early stages, three experts and a facilitator visit the project site. The process brings senior level construction executives to major GSA projects and utilizes their expertise to improve GSA's construction program.
  - Interviews are conducted with GSA, the design architect/engineer, the construction manager, the construction contractor, and major tenants as appropriate. The interviews identify areas where the teams have unresolved issues that must be addressed for successful project completion.
  - Following the Peer Review, comments are forwarded to all participants. The project team uses this report to resolve issues that will affect completion.
  - This Peer Review Panel remains linked to the project throughout its life. Another visit is conducted when the project is 65% complete.



## II. Discussion (cont'd)

---

- Expertise is needed to address a variety of challenges:

Civil Engineering	Structural Engineering
Tunneling	Waterproofing
Traction Power	Station Power
Mechanical Systems	Automatic Train Control (ATC)
Communications	Rail Cars
Buses	Bus Facilities
Architecture	Computers/Software
- Currently, there is no predetermined method to obtain necessary support in a timely and expeditious manner. While APTA has a limited peer review program that draws resources from other transit agencies, this proposed program will draw expert resources from all areas.



## II. Discussion (cont'd)

---

- As proposed, APTA will identify and contract with individual experts, as needed.
- Panels of experts will be drawn from:
  - Academic Institutions
  - Transit Properties
  - National or International Independent Consultants
  - Retired Authority Personnel
  - Professional Organizations
- Individual Qualifications will include:
  - Years of Experience in Discipline
  - Academic Qualifications
  - Engineering Certifications
  - Recognition of Expertise in Industry



## II. Discussion (cont'd)

---

- Funding would be established on an as needed basis for operations reviews.
- Capital would fund the one-time APTA administrative charge of approximately \$62,500.
- Reviews would be funded in an amount not to exceed \$100,000 for any individual review from the program in need of the support.
- Updates will be provided to the Planning & Development Committee on a semiannual basis.



# III. Recommendation

---

- The Planning and Development Committee recommend and the Board of Directors approve
  - Negotiation and execution of a 15-month sole source agreement for review services for expert reviews of on-going capital programs and operational matters;
  - Funding from the capital budget for an APTA administrative fee up to \$62,500; and
  - Indemnification of APTA and its contractors and transit agency employees for activities associated with the assessment and reporting of WMATA activities.





(Board Copy)  
Washington Metropolitan Area Transit Authority  
**METRO ELECTRONIC ACTION  
DOCUMENT**

IDENTIFICATION			
MEAD ID:	98229	ACTION:	Initiate & Award
AWARD VALUE:	(Not yet awarded)	CONTRACT: (Proposed)	
FUND SOURCES: (View)		CONTRACTOR:	
LAST MODIFIED:	02/24/2006		

DESCRIPTION	
SUBJECT:	Expert Review and Analysis
PURPOSE:	To obtain the recommendation from the Planning and Development Committee and approval of the Board of Directors to negotiate and execute a sole source agreement with the American Public Transit Association (APTA) for expert reviews of on-going capital programs and operations matters, to authorize funding of the APTA administrative fee from the capital program, and to indemnify APTA and its contractors and transit agency employees for activities associated with the assessment and review.

ORIGINATION					
INITIATOR			DEPARTMENTAL APPROVAL		
SHERRY SINTON on 07/29/2005			Approved by SALPEAS , PANAGIOTIS 02/24/2006		
PHONE:	202-962-1795	OFFICE:	IRPG	DEPT:	PDEC

COORDINATION (ROUTING)		
OFFICE	NAME	ACTION/DATE
(4110)	SALPEAS, PANAGIOTIS	Approved 02/24/2006
IRPG (4710)	COUCH, DAVID	Approved 02/23/2006
TRES (2410)	DOEHRING, ALVIN	Approved w/ Comments 02/24/2006
PRMT (7410)	JACKSON, LUCY	Approved w/ Comments 02/23/2006
CFO1 (2110)	WOODRUFF, HARRY	Re-assigned 02/24/2006
PRMT (7410)	JACKSON, LUCY	Approved w/ Comments 02/23/2006
AUDT (7210)	STEWART, JAMES	Approved 02/23/2006
COUN (1410)	O'KEEFFE, CAROL	Approved w/ Comments 02/24/2006

FINAL APPROVALS	
OFFICE	NAME/ACTION
PLN_DEV_CMTE	Approved for by PANAGIOTIS SALPEAS on 02/24/2006
BEMR	Approved for by HAROLD BARTLETT on 02/24/2006
GM	GMGR <i>For P. Salpeas</i>
BOARD	BOARD WMATA (Not Yet Approved)



Washington Metropolitan Area Transit Authority  
**METRO ELECTRONIC ACTION  
 DOCUMENT**

**NARRATIVE**

NARRATIVE

The Authority requires independent peer review and expert services to review engineering matters associated with ongoing projects and operations concerns. Recent engineering matters that have required expert review include: Traction Power Program to support 8 car trains, Traction Power review of Morgan Boulevard Station, track circuit anomaly at Rosslyn, and the rehabilitation of the rail cars. Currently, there is no method to obtain necessary on-call support in a timely and expeditious manner. The ability to obtain needed expertise in all disciplines is vital to the success of the day-to-day operations and the construction programs.

Therefore, WMATA staff seeks authorization to negotiate and execute an agreement with the American Public Transit Association (APTA), on a sole source basis, to utilize APTA's "Peer Review" program and "Safety and Security" reviews for on-going capital programs and operations matters. However, while APTA is currently able to provide peer reviews using personnel from other transit facilities, transit personnel do not necessarily have the expertise necessary for all the issues presented. Because the unique nature of potential issues (for instance, "Big Bore tunneling," which has not been attempted in the United States) and because some of the WMATA on-call consultants may have inherent conflicts of interest, WMATA requires access to experts drawn from academic, business, industrial, and transit sectors. The agreement will allow APTA to contract with experts who do not work for transit agencies.

Panels of experts will be drawn from Academic Institutions, Transit Properties, National or International Independent Consultants/Firms, Retired Authority Personnel, and Professional Organizations. Individual qualifications will include: Years of Experience in Discipline, Academic Qualifications, Engineering Certifications and Recognition of Expertise in Industry. APTA will identify and contract with non-transit facility individuals in accordance with their regulations, as needed. Disciplines required may include: Civil Engineering, Structural Engineering, Tunneling, Waterproofing, Traction Power, Station Power, Mechanical Systems, Automatic Train Control (ATC), Communications, Rail Cars, Buses, Bus Facilities, Architecture, and Computers/Software. Expert reviewers will not produce technical documents or designs for work, but instead will provide only advisory opinions on issues.

APTA will enter into agreements with the selected personnel and/or request the assistance of APTA Members. APTA will be required to negotiate expert fees consistent with fees paid to other institutions and organizations.

Individual review costs will include the normal APTA review fee (\$5000), expert fees, and travel and related expenses. No expert review will be conducted for a total amount greater than \$100,000 without obtaining additional approval from the Board of Directors. There will be no commitment of funds for reviews until the services are authorized. Funding would be established on an annual basis in the capital budget for APTA administrative costs. Capital issue reviews would be funded from the program in need of the support; operations issue reviews will be funded from the operations budget. Semi-annual updates for reviews conducted will be provided to the Planning and Development Committee.

As part of its contract, APTA requires indemnification of the organization, as stated below:

"To the extent permitted by law, [WMATA] agrees to indemnify and hold harmless APTA, its officers, and employees, and any Expert Peer Review panelists and their respective agencies in the conduct of their activities for claims of any kind (including attorney fees) arising out of the provision of this review, except to the extent such claims arise or are caused by the negligence or willful misconduct of APTA, its officers and employees, or Expert Peer Review panelists."

The program will be annually renewable with the first increment of 15 months covering the remainder of FY06 and all of FY07 at a cost of \$62,500. APTA will maintain and update the list of the experts periodically, through professional announcements, to add new experts and remove individuals who are no longer available.

IMPACT ON FUNDING:

Budget: FY06-II Metro Matters	FY06	FY07
Project: Rail/Bus Structures Yards and & Shops		
Page: 220		
Budget:	1,400,000	4,800,000
Prior Obligation	636,723	0
This Action	12,500	50,000
Remaining Budget	750,077	4,750,000

\*This funding is provided for the APTA administrative fee only. Project specific tasks, not to exceed \$100,000 will be funded from the operations or capital budget. A semi-annual report to the Planning and Development Committee will be provided for review.

AFFIRMATIVE ACTION REQUIREMENTS:

Contractors are required to comply with Executive Order 11246, as amended, Revised Order No. 4 if the contract has 50 or more employees and the contract is \$50,000 or more.

DISADVANTAGED BUSINESS ENTERPRISE:

This action involves an indefinite delivery program, where individual professionals in various disciplines will provide expert services as "contractors." As such, the individual "contractors" may not be eligible for a WMATA certified DBE status. Consequently, the goal will be to achieve a reasonable participation by individuals who belong to a disadvantaged group.

ALTERNATIVE:

The Board of Directors can decline to approve negotiation and execution of the agreement. Expert advice, when desired, will be delayed due to the need to identify individuals and to establish individual contracts.

RECOMMENDATION:

The Planning and Development Committee recommend and the Board of Directors approve negotiation and execution of a sole source agreement with the APTA for expert reviews of on-going capital programs and operations matters, authorize funding of the APTA administrative fee from the capital program, and authorize indemnification of APTA and its contractors and transit agency employees for activities associated with the assessment and review.