

December 19, 2007

John Bardwell  
Contracting Officer  
Federal Transit Administration  
1200 New Jersey Avenue, SE Room E42-331  
Washington, DC 20590

James Harper  
Contracting Officer  
Federal Transit Administration  
1200 New Jersey Avenue, SE Room E42-331  
Washington, DC 20590

**Subject: Reference-Number-FTA-08-PMOC  
Project Management Oversight Services – Request for Capabilities  
Statements**

Dear Messrs. Bardwell and Harper,

In response to FTA's Sources Sought Notice, dated December 6, 2007, Parsons is pleased to provide a summary of our capabilities in urban transit (attached).

As you are well aware, Parsons is a long-time participant in the PMO program, and has provided Project Management Oversight Services to FTA for nearly 20 years.

We look forward to FTA's upcoming procurement, and the opportunity to be selected to continue our relationship with FTA on this valuable program.

Very truly yours,

David E. Benjamin  
Vice President

## PARSONS CAPABILITIES IN URBAN TRANSIT

Parsons is a global leader in providing comprehensive services for urban transit projects. With more than 3200 transportation professions working from more than 300 offices throughout the U.S., Parsons has worked on every major transit system in North America and many of the most renowned systems overseas.

Parsons provides a full-range of project management, planning, design services, and construction management services for all fixed-guideway modes: Light Rail, Heavy Rail (Metros), Commuter Railroads, and Automatic Guideway Transit (Peplemovers). Parsons supports clients worldwide in all methods of transit Project Delivery: Conventional, Design-Build, Build-Operate-Transfer (BOT), and Public-Private-Partnerships (PPP or P3). In fact Parsons is the largest Design-Build engineering firm in the United States.

### Light Rail

Light Rail Transit (LRT) has evolved from the urban streetcar networks. Today many urban areas are finding that LRT can be efficiently designed to fit a downtown location without taking additional land or creating undesirable barriers. It is capable of operating on exclusive right-of-way, semi exclusive right of-way, and in mixed traffic.



Parsons' professionals have prepared contract plans for all facets of LRT projects including tunnels and elevated structures, stations and terminals, tracks and signals, power transmission, and storage and maintenance facilities. We have provided services internationally in Malaysia, Israel, the Philippines, and Canada. We are, at any given time, involved in numerous LRT systems in the U.S. and throughout the world, from planning through construction. Recently Parsons contributed to early success in some of the first design-build LRT systems being developed in the US, in Minnesota and two in California.

## Heavy Rail

Parsons' early association with Chicago's transit system and original subways in the 1930s led to our pioneering work on the Toronto, Canada subway system in the 1940s and more recently to the world-class Washington, DC Metro system. Major transit system assignments stretch from Singapore to New York, and include the South Broad Street Subway extension in Philadelphia, an extension of San Francisco's BART system, and systems in Chicago, Atlanta, Baltimore, Taiwan, and Bangkok. Where underground solutions are called for, our urban tunneling expertise is well demonstrated, from the \$5.3 billion Los Angeles Metro Rail to the Singapore Mass Rapid Transit System and the \$10 billion Washington, DC Metro Area Transit System.



## Commuter Rail

Parsons has participated in all aspects of commuter rail design and implementation. Typical comprehensive studies have developed master plans involving commuter rail transit systems, commuter lines and relocations, and combined freeway/rail facilities in shared right-of-way. Parsons has successfully completed work under continuous traffic conditions staged



in a manner to permit normal vehicle operations and unimpeded passenger flows.

Work performed has included facility inspection, special technical studies, planning, public liaison, testing of materials and equipment, procurement, scheduling, cost control, management information system reporting, conceptual, preliminary, and final design, preparation of contract documents, bid review, and construction engineering services. Parsons has particular strength in the design of individual commuter system components such as electrical and mechanical systems, track work, and depots, as well as systems operations. With a large, multi-disciplined staff, we can engineer one or several transit system components in-house. This ensures compatibility of systems and a cost effective engineering effort.

Our major commuter transit system assignments include leading the engineering team for the first major commuter rail start-up in North America in more than 20 years, the South

Florida Tri-County Commuter Rail Project, and serving as the general engineering consultant for Caltrain commuter rail service on the San Francisco peninsula. Other noteworthy large-scale projects include the Southern California's Commuter Rail System (Metrolink), Chicago's Metra North Central District Rail Service Expansion Signal System, and New York's East Side Access Project.

## Systems

Parsons provides engineering and project management services for the planning, design, integration, and construction support of all of the system elements of mass transit and mainline railways. Parsons' clients have included over 400 rail transit agencies that have used our services to design and implement the operating systems on new transit lines or to upgrade and expand their operating systems on existing lines.



Examples of the type of services Parsons can provide include:

- **Strategic Planning:** Parsons has provided strategic planning/business case services for numerous agencies around the world, such as New York City Transit, London Underground, and Toronto Transit, drawing on our systems engineering and systems integration capabilities.
- **Advanced Train Control Systems:** Parsons is the recognized industry leader in implementing Communications Based Train Control (CBTC) systems, such as our extensive involvement in New York City Transit's ambitious signal modernization program as well as the support we are providing to the Jubilee and Northern Line Upgrades in London, England.
- **Transit Communications/Security:** Parsons also leads major design efforts on new communications, security, and infrastructure upgrades for numerous subway passenger stations, such as those in New York and Philadelphia. These communications and security systems help to improve operations, life safety, security, and passenger communications.
- **Rail Control Centers:** Parsons has also led the design and implementation of major Rail Control Center development projects in New York and Boston.
- **Vehicle Technology:** Parsons' vehicle technology expertise has been applied to major vehicle rehabilitation programs, such as the services we are currently providing in Atlanta for MARTA.

- Fare Collection/Electronic Payment Systems: Parsons has supported numerous transit agencies in upgrading their electronic payment systems such as our comprehensive fare collection consulting services to the Maryland Transit Administration (MTA).

Program Management: Parsons has extensive program management capabilities and can also provide the full-range of general engineering and management services under task order contracts such as the extensive services we are currently providing to the Washington Metro.

### **Systems Integration**

These are especially exciting times for railroads and public transit agencies. A tremendous amount of new technology is creating opportunities to improve operations and the entire passenger experience. Many cities and communities have not seen such expansive improvements for decades. Yet, new opportunities bring technical and commercial challenges, and operations are faced with many vital decisions about how and when to implement emerging technologies.

Ensuring success requires establishing the right balance between experienced technical input, effective design, and project management. Parsons is unique within our industry in focusing our resources to provide this balanced and integrated approach for clients implementing advanced technology into their existing operations. Our experience includes responsibility for landmark projects such as:

- Systems Engineer for the Baltimore Central Light Rail Line and follow-on MTA Light Rail Double Tracking project
- Consulting Engineer for the PLRT2 (Putra Line Light Rail Transit) in Kuala Lumpur
- Lead designer for the Pasadena Gold Line
- Systems design and construction management services for Dallas Area Rapid Transit (DART)
- General Engineering Consultant for the Washington Metropolitan Area Transit Authority (WMATA)
- A full partner in the General Engineering Consultant team on the \$6.3 billion New York Metropolitan Transportation Authority East Side Access program to bring the Long Island Rail Road into Grand Central Terminal
- Design/Build partner for Denver T-REX LRT