



May 20, 2008

Mr. John Bardwell, Contracting Officer
Federal Transit Administration
1200 New Jersey Avenue, SE, Room E-42-331
Washington, D.C. 20590

RE: Project Management Oversight (PMO) (Reference No. FTA-08)

Dear Mr. Bardwell:

EAC Consulting, Inc. (EAC) is delighted to submit this statement of capabilities to the Federal Transit Administration (FTA) to provide project management oversight services on the subject referenced contract.

EAC is a minority owned small business with a proven track record for providing a wide range of project management, planning, design and construction management services. The experience of EAC as well as that



EAC – Program Management Consultants – Miami Dade Transit

of our proposed key personnel includes transit related services to agencies such as [Miami-Dade Transit](#), [Washington Metropolitan Area Transit Authority](#), [Virginia Department of Rail and Public Transportation](#), [Metropolitan Atlanta Rapid Transit Authority](#), [San Francisco Bay Area Rapid Transit District](#), [South Florida Regional Transportation Authority](#), [Broward County Aviation](#), [Greater Orlando Aviation Authority](#) and [Florida Department of Transportation](#). Having provided similar services to transit and transportation agencies, we are familiar with the anticipated scope of services and are confident that we can exceed the Federal Transit Administration's (FTA) expectations for

successfully completing the requisite services of the program. Moreover, EAC has had the opportunity to successfully provide services to Federal Agencies such as the US Army Corps of Engineers and looks forward to continuing its relationship with the Federal Government.

Our Capabilities – The EAC Advantage

Multi-Disciplined Small Business with Comprehensive Services

EAC is a multi-service small business organization providing a wide variety of engineering services such as planning, development of design, construction documents, construction administration, document control, peer review, inspections and expert opinion studies. Our services encompass a myriad of engineering disciplines that include: [Program Management](#); [Construction Management](#); [Transportation](#); [Civil](#); [Building/Miscellaneous Structures and Water Resources](#).

Understanding of Scope

The EAC team's experience with transit agencies allows for a full understanding of the needs and expectations of FTA. We are familiar with the diverse scope of this project and have the right personnel and the available resources to address these needs. EAC has successfully provided Project Management Oversight services to numerous public agencies that include **Miami-Dade Transit**, **Broward County**, **Miami-Dade Expressway Authority** and **South Florida Water Management District** and as a result of this experience we have continued to develop our ability to successfully serve as an extension of our clients and in so doing satisfy their needs.

Transit Experience (* indicates experience from staff)

The EAC team is currently providing program management, engineering and construction management services to Miami-Dade Transit Agency and has provided design services on several transit related projects. Our experience coupled with our staff expertise with various transit agencies make us uniquely qualified to successfully provide the services on this project. Our transit experience is detailed below.

Program Management Consultant Services- Miami-Dade Transit, Miami-Dade County, FL (Project A)

EAC is proud to be a part of a team of consultants assisting Miami Dade County in implementing one of the most significant programs that will benefit all citizens within its community – The People's Transportation Plan (PTP). The PTP Plan calls for \$476 million in highway, road and neighborhood improvements, \$7 billion in rail and \$90 million in bus services. Under this contract, EAC is currently providing program management services on the following three projects:

1) Orange Line Phase 1: MIC-Earlington Heights Connector (Project B)



This project consists of a 2.4-mile elevated heavy rail extension of the existing Metrorail System and includes one station at the Miami Intermodal Center and will extend from the existing Earlington Heights Metrorail Station to the proposed Miami Intermodal Center (MIC).

2) Orange Line Phase 2: North Corridor Metrorail Extension (FEIS) (Project C)

A new transit alternative "Light Rail" is being evaluated for existing and future impacts within the North Corridor. Services include updating the environmental analysis from the original FEIS on this project.

3) Orange Line Phase 3: East-West Metrorail Extension (Project D)

This project consists of a 10 to 13 mile fixed guideway extension that will run through the heart of Miami-Dade County. There are a maximum of 10 stations within the project. In addition to the stations there are



park-ride lots proposed for this project. The project requires the development of a Supplemental Draft Environmental Impact Statement (SDEIS), Final Environmental Impact Statement (FEIS) and Preliminary Engineering Documents in accordance with FTA guidelines and requirements.

Metrorail & Phase One Metromover Mid-Life Fleet Overhaul & Modernization Project- Miami-Dade Transit, Miami-Dade County, FL (Project E)

EAC provided Scheduling and Technical Writing Services in connection with the preparation for bid and contract documents for the selection of a contractor to refurbish and rehabilitate the County's

existing 136 car Metrorail heavy rail fleet and the original 12 car Metromover fleet.

Palmetto (SR826) Metrorail Extension- Miami-Dade Transit, Miami-Dade County, FL (Project F)

EAC provided the structural engineering services that included the review of structural shop drawings for the elevated guideway and substructure of this Heavy Rail system; response to RFIs; execution of change requests and design clarifications; coordination of fabrication and construction details with the CEI crew and equipment supplier to facilitate embedments; performance of cold formed steel, hot rolled steel and reinforced concrete designs for modified components. EAC also provided the construction support services which included participation in the redesign of 4 - 3 span continuous steel box girder units for this transit rail system.

*** Metrorail East-West Corridor SDEIS/FEIS/PE- Miami-Dade Transit, Miami-Dade County, FL**

(Errol Taylor, P.E.) Responsible for providing engineering services in support of the development of the FTA "New Starts" Submittal, Supplemental Draft Environmental Impact Statement (SDEIS), Final Environmental Impact Statement (FEIS), and preliminary engineering documents to define a cost effective Locally Preferred Alternative.

*** Metrorail Extension, MIC-Earlington Heights Connector- Miami-Dade Transit, Miami-Dade County, FL (K.T. Lin, P.E.)**

*** Brickell Extension of the Miami Metromover- Miami-Dade Transit, Miami-Dade County, FL (Project I) (Rick Crooks, P.E.)**

*** MIC/MIA Connector Elevated Guideway Structure Foundation- FDOT D6, Miami-Dade County, FL (Project J) (K.T. Lin, P.E.)**

General Engineering Consultant, Construction Management- Miami-Dade Expressway Authority, Miami-Dade County, FL (Project H)

EAC oversees MDX's construction program (for 31 miles of expressway) and provides the services

required to develop and implement the work program which includes projects



funded by bonds as well as those from operating revenues. EAC is actively working with MDX to move them into a new era of Open Road Tolling (ORT).

Downtown Transit Circulator- *Downtown Development Authority, Fort Lauderdale, FL (Project G)* Also known as “The Wave”, this project is an environmentally friendly, electric, fixed rail streetcar system that will move people in and around downtown Fort Lauderdale. EAC is providing the Planning and Structural Design Services.

* **Tri-Rail New River Bridge –** *South Florida Regional Transportation Authority- Broward County, FL (Project L) (André Slintak, P.E.)*

* **Tri-Rail Double Track Corridor Improvement Program -** *South Florida Regional Transportation Authority (Project M) (André Slintak, P.E.)*
Senior Structural Engineer responsible for the concept & design of twelve concrete/steel heavy railroad bridges spanning water management drainage/equalizing canals in the South Florida, tri-county area.

Tren Urbano- *Puerto Rico Department of Transportation and Public Works- PR (Project K) (Jenner Alfaro, P.E.)* Project Manager in charge of Construction/Design Oversight on this \$1.5 billion, design/build project bringing public rail transportation to the greater metropolitan area of San Juan, Puerto Rico. Mr. Alfaro was involved in all seven subprojects constructed at the same time, involving four different contractors.

* **AB 7-2 –Square Station & South Approaches, Airport Busway-** *Port Authority Allegheny City- PA (Project N) (John Hansen, P.E.)*

* **Dunwoody Station-** *Metropolitan Atlanta Rapid Transit Authority (MARTA)- GA (Project O) (John Hansen, P.E.)*

* **Hartsfield Atlanta International Airport-** *City of Atlanta and Delta Airlines- GA (Project P) (John Hansen, P.E.)* Project Engineer responsible for conceptual and preliminary design of the extension of the AGT light rail people mover tunnel associated with the Concourse E expansion project. Design studies included conversion of an existing underground

maintenance facility into a passenger station, and providing a new underground maintenance facility.

* **Port Authority Bus Terminal-** *Port Authority of New York and New Jersey - NY (Project Q) (John Hansen, P.E.)*

* **Largo Extension Program-** *Washington Metropolitan Area Transit Authority (WMATA) (Project R) (Errol Taylor, P.E.)*

* **Closed Circuit Television (CCTV) Digital Video Recording System-** *WMATA (Project S) (Errol Taylor, P.E.)*

* **Anacostia Light Rail Transit (LRT)-** *WMATA (Project T) (Errol Taylor, P.E.)*
Systems Engineering Manager in charge of preparation of plans, specifications, design criteria and estimates, for WMATA's first Light Rail Transit system. The Anacostia Corridor Demonstration Project, was a six-stop, modern streetcar service designed to travel along a 2.7 mile, unused CSX right-of-way.

* **New Carrollton Rail Yard Expansion-** *WMATA (Project U) (Errol Taylor, P.E.)*
Systems Engineering Manager for this \$70.4 million heavy rail project. The upgraded New Carrollton rail yard includes a new 10 rail car S&I shop, expanded loop tracks at the north end of the shop and a new stormwater management pond.

* **Branch Avenue Yard-** *WMATA (Project V) (Errol Taylor, P.E.)*

* **Dulles Corridor Metrorail Program-** *WMATA / Virginia Department of Rail & Public Transportation (VDRPT) (Project W) (Errol Taylor, P.E.)*
Systems Project Manager (Preliminary Engineering) for this 23 mile, \$3.5 billion heavy rail project. Responsible for the technical management of all design activities related to communications, automatic train control, automatic fare collection, traction power, electrical and mechanical systems.

* **SFO Airport Extension Project-** *San Francisco Bay Area Rapid Transit District (BART) (Project X) (Errol Taylor, P.E.)*

* **BART Extensions Program-** *BART (Project Y) (Errol Taylor, P.E.)*

EAC Team Expertise

The following tabulation lists the potential PMOC scope of work, a listing of the team's past and current relevant projects, and an indication of the PMOC scope of work that relates to each project.

Project A- Program Management Consultant Services- MDT

Project B- Orange Line Phase 1: MIC-Earlington Heights Connector- MDT

Project C- Orange Line Phase 2: North Corridor Metrorail Extension
(FEIS)- Miami-Dade MPO

Project D- Orange Line Phase 3: East-West Corridor Metrorail Extension- MDT

Project Q- Port Authority Bus Terminal- Port Authority of NY & NJ

Project R- Largo Extension Program- WMATA

Project S- (CCTV) Digital Video Recording System- WMATA

Project T- Anacostia Light Rail Transit- WMATA

Project U- New Carrollton Rail Yard Expansion- WMATA

Project E- Metrorail and Phase I Metromover Mid-Life Fleet Overhaul and Modernization- MDT

Project F- Palmetto (SR 826) Metrorail Extension- MDT

Project G- Downtown Transit Circulator – DDA

Project H- GEC, Construction Management- MDX

Project I- Brickell Extension of the Miami Metromover - MDT

Project J- MIC/MIA Connector Elevated Guideway Structure Foundation- FDOT D6

Project K- Tren Urbano- Puerto Rico DOT and Public Works

Project L- Tri-Rail New River Bridge- SFRTA

Project M- Tri-Rail Double Track Corridor Program- SFRTA

Project N- AB 7-2 Square Station and South Approaches, Airport Busway- Port Authority of Allegheny City

Project O- Dunwoody Station- MARTA

Project P- Hartsfield Atlanta International Airport, People Mover Tunnel-Concourse E

Project V- Branch Avenue Yard- WMATA

Project W- Dulles Corridor Metrorail Program- WMATA/VDRPT

Project X- West Bay Extensions BART-SFO Airport Extension

Project Y- BART Extensions Program- BART

Potential PMO Scope of Work	Project A	Project B	Project C	Project D	Project E	Project F	Project G	Project H	Project I	Project J	Project K	Project L	Project M	Project N	Project O	Project P	Project Q	Project R	Project S	Project T	Project U	Project V	Project W	Project X	Project Y
Admin Support	X	X		X				X																	
Document Control	X	X		X				X																	
Budgeting								X																	
Cost Estimating	X	X		X				X						X	X	X		X	X		X		X	X	
Program Controls	X							X										X	X						
Project Controls	X	X		X				X																	
Scheduling	X	X		X	X			X			X													X	X
Real Estate Acquisition	X	X		X																					
Utility Relocation	X	X		X				X																	
Architecture	X	X		X																					
Civil Engineering	X	X	X	X				X																	
Design Criteria & Standards	X	X		X										X		X		X	X	X	X		X	X	X
Plans & Specifications												X	X	X	X	X	X	X	X	X	X		X	X	X
Structural Engineering	X	X		X		X	X	X	X		X	X	X	X	X	X									
Stations		X		X							X			X	X	X	X								
Trackwork Engineering		X		X																					
Value Eng. Submittals	X																						X	X	
Yards and Shops				X							X					X				X	X	X	X		X
IT / Software Development	X																								
Systems Eng.	X	X		X														X	X	X	X	X	X	X	X
Train Control / Signaling System	X	X		X														X		X	X	X	X	X	X
Traction Power System	X	X		X														X		X	X	X	X	X	X
Communications System	X	X		X														X	X	X	X	X	X	X	X
Operations Control Center	X	X		X														X						X	X
Fare Collection System	X																								
Systems Coordination	X	X		X														X	X	X	X	X	X	X	X
Rail and Bus Vehicle Eng.	X																								
Environmental	X		X	X																					
Travel Demand Forecasting Analysis				X																					
Grant Process																									
New Starts Report	X			X																					
NEPA Process	X		X	X				X																	
Planning	X		X	X			X	X															X		
Risk Management								X																	
Change Order Reviews						X		X	X									X						X	X
Claims Administration	X							X																X	X
Constructability Reviews	X	X				X		X	X						X									X	
Construction Management	X	X				X		X			X														X
Inspection and Testing	X							X									X	X							X

