



CONSTRUCTION COMMITTEE
MARCH 14, 2001

Metropolitan
Transportation
Authority

One Gateway Plaza
Los Angeles, CA
90012-2952

SUBJECT: MULTIPLE AWARD AGREEMENT FOR GENERAL ENGINEERING CONSULTANT SERVICES

ACTION: SELECTION OF GENERAL ENGINEERING CONSULTANT SERVICES BENCH FOR MTA SYSTEMWIDE RAIL AND BUS PROJECTS AND OTHER PROJECTS AS REQUIRED

RECOMMENDATION

- A. Authorize the Chief Executive Officer to execute five year multiple award agreements with three firms, the joint venture of DMJM/Harris, Axiom Engineering & Science Corporation, and TMAD Engineers, Inc. to provide AS- NEEDED GENERAL ENGINEERING CONSULTANT (GEC) SERVICES with a cumulative total not to exceed amount of \$12,500,000.
- B. Authorize the Chief Executive Officer to issue Task Orders under these agreements for general engineering consultant services.

Within Construction Committee authority: Yes No N/A

RATIONALE

Previously, the Board directed staff to issue a solicitation and establish a pool of qualified engineering firms to provide architectural and engineering services. The Construction Engineering Department will utilize the resources of the firms listed above to assist in the execution of various Capital Improvement Projects. A backlog of over 30 such projects exists. The engineering resources of the selected contractors will be used to augment MTA staff in order to maintain project schedules.

This Contract will fund and award discrete scopes of general engineering work by issuing task orders. Staff will prepare these scopes of work as specifically as possible considering the information available and applicable time constraints on the performance of the work. Most of this work will be performed and paid for on a cost plus fixed fee basis depending on the scope of services. However, whenever it is possible and practical, a fixed price will be negotiated for the task order work. The Contractor's audited provisional indirect rates will be included in the agreements. MTA staff will monitor the contractor's daily performance on each task order. This contracting process allows the contractor to expeditiously provide general engineering services as they are encountered.

FINANCIAL IMPACT

Aggregate funding of approximately \$1.5 million dollars for this service is included in the FY01 budget in cost center 8510 for the various projects. Since this is a multi-year contract, the cost center manager and Executive Officer will be accountable for budgeting the cost in future years.

ALTERNATIVES CONSIDERED

Alternatives to accomplishing the required engineering services other than with multiple award agreement type contracts were considered.

- 1) MTA could hire additional staff to accomplish the projects. However, some of the projects are of short duration and/or involve highly specialized skills and experience. If staff were used to provide all the services, additional engineering staff members would need to be recruited, hired and then laid off at the end of projects. To operate the Engineering Department in this manner is not cost effective due to the delay and expense imposed by the extensive human resources activities associated with recruiting and reductions of staff.
- 2) A second alternative would be to execute a separate engineering services contract for each instance where staff cannot accomplish the required activities, either due to workload or skills. However, this alternative is not recommended because each project requiring consultant services would then incur approximately 5 months delay associated with procuring consultant services under individual contracts.
- 3) The third alternative considered was a single engineering services/staff augmentation services contract. In this scenario, MTA would contract with a single entity to acquire engineering services for any situation where staff could not accomplish the services in house. This is the model used heretofore and although efficient to administer, is undesirable due to the lack of flexibility and inability to have any competitive forces present when negotiating work orders with the single consultant.

BACKGROUND

In the past, the Construction Division has contracted with a single entity for engineering services, and managed multiple projects and associated work-orders with a single General Engineering Consultant. Although this served well for the large rail construction projects prioritization of work issues and the overhead and administrative costs for such a large consultant did not serve well for smaller projects. In 1998, when the Metro Red Line Segment 3, reached its engineering services peak, the MTA Construction Engineering department was reorganized and refocused to serve a growing demand for engineering services associated with smaller projects, including both rail and bus infrastructure. Construction Division Management concluded that although the requirement for contract engineering services would not disappear, the nature of the upcoming projects would be better served by a closely managed group of smaller consultants vs. a single

large engineering contractor. It is from this analysis that the current recommended action has been developed.

PROCUREMENT SUMMARY

On December 20, 2000, Request for Proposal (RFP) No. EO111 was issued for a Multiple Award Agreement for General Engineering Consultant Services for MTA Systemwide Rail and Bus Projects. Notice of availability cards were sent to approximately 500 vendors and formal advertisements were run in the Los Angeles Times, Engineering News and Record, and the Dodge Green sheets. The RFP was also listed on the MTA Web page and was listed in the MTA's Metro Business Outlook. Additionally, a pre-solicitation outreach conference was conducted for small businesses, other interested firms and the Transit Board Advisory Committee (TBAC) members on December 13, 2000. A total of 60 vendors obtained copies of the RFP. On December 28, 2000, a pre-proposal conference was held, at which 65 firms were represented. The RFP contained a 30% Disadvantaged Business Enterprise Goal.

The intent of the RFP was to establish a Multiple Award Agreement (bench) for as-needed general engineering services. Zero based contracts are to be awarded to each firm on the bench and individual task orders are to be awarded to the firm determined to be best qualified to perform the specific task based on qualifications, including experience that closely matches the required scope of work, capacity, schedule and a fair and reasonable price. The aggregate amount of task orders issued will not exceed the total amount authorized and no task order's individual period of performance will exceed the agreement's period of performance.

On January 26, 2001, six proposals were received. The Source Selection Committee was comprised of representatives from MTA, the City of Los Angeles, and Orange County Transportation Authority.

On February 1, 2001, the Source Selection Committee determined that the proposed teams of DMJM/Harris (Joint Venture), Axiom Engineering, and TMAD Engineers, are the qualified proposers. The other three proposers did not meet the minimum requirements as stated in the RFP and/or were non-responsive to other RFP requirements.

COST/PRICE ANALYSIS

Each proposer submitted provisional indirect rates and these rates have been submitted to the Management Audit Services Department (MASD) for review. Each individual task order will be negotiated and will comply with all requirements of MTA Procurement, including receipt of a proposal for the specific task, a fair cost estimate, technical evaluation and cost analysis, before the task order is executed.

SMALL BUSINESS PARTICIPATION

The Small Business Diversity Unit established a 30% overall project DBE participation goal for this Task Order contract. The recommended GEC Consultants, DMJM/Harris, JV, Axiom Engineering & Science Corporation, and TMAD Engineers formed teams and committed to utilize a sufficient number of DBE firms capable of performing the scopes of work identified in their proposal. GEC Consultants shall utilize the DBE firms exclusively to perform scopes of work identified within the DBE's discipline when included in a Task Order. Achievement of the project's overall 30% DBE participation goal will be based on the aggregate attainment and participation percentages of the GEC Consultants.

Compliance with the DBE program requirements will be monitored aggressively based on the GEC Consultant's good faith efforts to utilize the listed DBE firms as listed to perform work exclusively, when DBE scopes of work are included in the Task Orders.

Award Amount

\$12,500,000.00

I. PRIME CONSULTANT: DMJM/Harris, JV

Subcontractor's Name	Commitment	Current Attainment	Current Participation	Current Status
Electrical Bldg Sys, Inc. (EBS)	TO	-0-	-0-	To Be Awarded
Haro Engineering & Construction	TO	-0-	-0-	To Be Awarded
Myra Frank Assoc (MFG) Environmental	TO	-0-	-0-	To Be Awarded
Virginkar & Assoc., Inc.	TO	-0-	-0-	To Be Awarded
William J. Yang & Assoc.	TO	-0-	-0-	To Be Awarded
Automatic Switching & Control(ASCI)	TO	-0-	-0-	To Be Awarded
Total	TO	-0-	-0-	To Be Awarded

II. PRIME CONSULTANT: Axiom Engineering & Science Corporation

Subcontractor's Name	Commitment	Current Attainment	Current Participation	Current Status
Axiom Engineering & Science	TO	-0-	-0-	To Be Awarded
Century Diversified	TO	-0-	-0-	To Be Awarded
William J. Yang & Assoc.	TO	-0-	-0-	To Be Awarded
Automatic Switching & Control(ASCI)	TO	-0-	-0-	To Be Awarded
Total	TO	-0-	-0-	To Be Awarded

III. PRIME CONSULTANT: TMAD

Subcontractor's Name	Commitment	Current Attainment	Current Participation	Current Status
Anil Verma & Associates	TO	-0-	-0-	To Be Awarded
Gruen & Associates	TO	-0-	-0-	To Be Awarded
Total	TO	-0-	-0-	To Be Awarded

Project Total	30%			To Be Awarded
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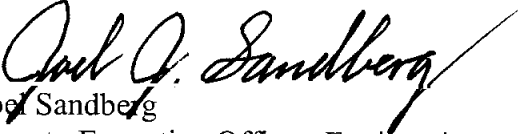
ATTACHMENT(S)

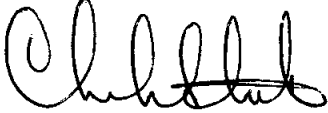
- A. Procurement Summary
- B. List of Primes and Subcontractors
- C. Anticipated Distribution of GEC Expenditures

Prepared by:

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Executive Officer, Procurement

**Procurement: EO111 General Engineering Consultant
Board Date: March 22, 2001**

**BOARD REPORT ATTACHMENT "A"
PROCUREMENT SUMMARY
QUALIFICATIONS-BASED PROCUREMENT**

1.	Independent Estimate: independent estimates will be developed for each task order as work requirements are defined
2.	Recommended Vendors: multiple awards
	Name: DMJM/Harris (joint venture) City: Los Angeles
	Name: Axiom Engineering & Science Corporation City: Irvine
	Name: TMAD Engineers City: Pasadena
	Total Dollar Amount: Cumulative amount for all task orders shall not exceed \$12,500,000
3.	Description of Contract Services: As-needed Architectural and Engineering Services in various disciplines
4.	Contract Type: Task orders will be awarded on a Fixed Price basis when scope of work is well defined and on a Cost Plus Fixed Fee basis for other tasks
5.	RFP Issued: December 20, 2000
6.	Advertise Date: December 14, 2000
7.	DBE Participation Goal: 30% overall project goal
	Responsive?: Yes
8.	No. of Notifications Sent to Vendors (postcards): Approximately 500
9.	No. of Request for Proposals Picked up by Vendors: 60
10.	Pre-proposal conference date: December 28, 2000
11.	No. of proposals submitted: Six
12.	Date proposals received: January 26, 2001
13.	Negotiation record: individual task orders will be negotiated
	Proposer names/offer: Aesco, Donald Dickerson & Associates, Storms & Lowe, Axiom Engineering & Science Corporation, Joint Venture of DMJM/Harris, and TMAD Engineers
	Source selection committee analysis:
	Proposer BAFO: n/a
	Recommendation: Source Selection Committee rated the joint venture of DMJM/Harris, Axiom Engineering & Science Corporation, and TMAD Engineers highest
14.	Protest Received:
15.	Disposition of Protest/Appeal:
16.	Pre-Qualification Completed? In process
17.	Conflict of Interest Certifications Submitted to Ethics? Yes
18.	Audit Report Completed? Provisional indirect rates are being reviewed by MASD as of 2/8/01
19.	EO Evaluation Completed? Yes
20.	Contract Administrator: Karen Campbell
	Tel: (213) 922-2839
21.	Project Manager: Anderson Bennett
	Tel: (213) 922-7253

Concur:


Director, Procurement

Concur:


Deputy Executive Officer, Procurement

ATTACHMENT B

LIST OF RECOMMENDED PROPOSERS AND THEIR SUBCONTRACTORS

PRIME CONTRACTOR - DMJM/HARRIS

Joint venture between Daniel, Mann, Johnson & Mendenhall (DMJM) and Frederic R. Harris (Harris)

Subcontractors

Advanced Earth Sciences, Inc.
Automated Switching & Controls
Corpro Companies
Electrical Building Systems, Inc.
Fuel Solutions
Haro Engineering & Construction, Inc.
Lerch, Bates & Associates Inc.
Myra Frank Associates
Rowan Williams Davies & Irwin, Inc.
Systra Consulting, Inc.
Virginkar & Associates
William J. Yang and Associates

PRIME CONTRACTOR – AXIOM ENGINEERING & SCIENCE CORPORATION

Subcontractors

Century Diversified Inc.
William J. Yang and Associates
Automated Switching and Controls, Inc.

PRIME CONTRACTOR – TMAD ENGINEERS

Subcontractors

Anil Verma & Associates
Ninyo & Moore
Gruen & Associates
Marathon Technical Services
Ike Yen & Assoc
Rolf Jensen & Assoc

ATTACHMENT C

**Anticipated Distribution of
General Engineering Consultant Expenditures
Over the Five Year Period of Performance
For Contract No. EO111**

Engineering Scope	Anticipated Expenditure
Architectural and Engineering Services for Buildings / Grounds	\$ 3,000,000
Industrial / Electrical Power & DC Traction Power Systems	\$ 2,500,000
CNG Generation, Storage and Vehicle Fueling Systems	\$ 1,500,000
Mechanical Systems	\$ 3,000,000
Communications Electronics Systems	\$ 1,000,000
SCADA, Process, Train Control and Signals	\$ 1,500,000
Anticipated Total Not to Exceed Amount	\$12,500,000