



COUNCIL AGENDA: 06-27-06
ITEM: 2.5

Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: William F. Sherry, A.A.E.

SUBJECT: SEE BELOW

DATE: 06-05-06

Approved

Deanna Antua

Date

6/13/06

COUNCIL DISTRICT: Citywide

SUBJECT: NORMAN Y. MINETA SAN JOSE INTERNATIONAL AIRPORT MASTER AGREEMENT FOR GEOGRAPHIC INFORMATION SYSTEMS CONSULTANT SERVICES

RECOMMENDATION

Adoption of a resolution authorizing the City Manager to negotiate and execute a Master Agreement with DMJM Aviation, Inc. (DMJM), for On-Call Geographic Information Systems (GIS) Consultant Services at Norman Y. Mineta San José International Airport, for the period from July 1, 2006, to June 30, 2010, in an amount not to exceed six hundred thousand dollars (\$600,000).

Resolution Nos. 67380 and 71451, PP 06-098

OUTCOME

Award of the GIS consultant agreement will provide a supplemental resource to City staff for updates to the mapping and GIS programs, to support the Airport's capital development program.

BACKGROUND

The Airport has developed an airport-specific GIS and mapping system, called the Airport Integrated Mapping System (AIMS), to support the Airport's current capital development program and the on-going operations of the Airport.

The primary purpose of AIMS is to collect important source information about the Airport's new and existing terminals, roadways, and infrastructure to create smart maps. Smart maps allow the user to display one seamless map that contains important information per feature. Example, a user can view all the known underground utilities in a particular area and identify the type of utility, material of the pipe, and cross reference the original project drawing. AIMS will incorporate a significant amount of the new mapping and GIS data as a result of the capital development program. Essentially, all new utilities, building floor plans and roadway systems will be incorporated into AIMS. Once this valuable information is collected, AIMS will provide easy web access to view the Airport's smart maps.

In addition, AIMS supports on-going Airport programs such as property lease management, terminal and roadway sign management, acoustical treatment, and noise monitoring. It is anticipated that the AIMS program will be required to support upcoming Airport programs such as airspace obstruction, terminal gate management, security and emergency planning, and underground utility management.

Finally, AIMS has been developed to meet the demanding needs of the airport and is able to integrate with the City's Enterprise GIS Program.

ANALYSIS

The City requires the services of a professional GIS consultant with aviation industry experience to ensure that the AIMS data is updated and maintained on a timely basis as the capital development program progresses. The GIS consultant will be used as an extension of staff, and tasked to provide a full range of services such as GIS data collection and creation, project drawing research, application development, and technical assistance with upgrades to hardware and software.

Procurement of these required professional services was initiated through the Request for Qualifications (RFQ) process, following the City of San José Contracting Preferences For Local and Small Businesses (LBE/SBE) and the Department of Public Works Qualifications Based Consultant Selection (QBCS) Policy.

On April 3, 2006, the City advertised the GIS Consultant Services RFQ requesting Statements of Qualification (SOQ) from interested firms. In accordance with the QBCS Policy, a selection board was formed to select the highest qualified firm. The board consisted of stakeholder representatives from the Airport Department, Information Technology Department, and the GIS Manager for the City of Milpitas as the outside expert.

The board reviewed, evaluated, and scored the quality of professional experience and technical expertise described in the five SOQ's received. The three highest ranked firms were invited to interview. The specific selection criteria against which the consultants were evaluated is summarized as follows: 1) Project Approach, 2) Team and Project Experience, 3) Availability and Capacity for Assigned Work, 4) Budget and Schedule, 5) Quality Assurance and Quality Control Methods, 6) GIS Experience, and 7) GIS Scenarios. At the completion of the interview process, the firms were ranked as follows:

Ranked List determined by the Interview Board:

Ranking	Proposer
1	DMJM Aviation, Inc.
2	Farallon Geographics, Inc.
3	Carter & Burgess, Inc.

Staff recommends DMJM Aviation | AECOM Technology Corporation (DMJM), the top-ranked firm, to provide GIS consultant services to the Airport. The board concluded that DMJM possesses extensive knowledge and technical expertise in the aviation GIS industry.

Under the terms of the proposed master agreement, the City will authorize services by individual Task Order. This method provides the flexibility necessary to continue the development and improvement of the AIMS program. The proposed master agreement provides for annual increases to the negotiated rates, based upon increases in the consumer price index. Opportunities for existing City staff to perform the proposed service “in-house” will be investigated and implemented where appropriate, prior to task order execution.

The Airport’s capital development program is very visible and demanding. The collection, consolidation, and distribution of accurate geographic data is essential. Staff estimates a return of investment in less than two years.

ALTERNATIVES

Alternative to this recommendation, the Council may choose to not hire a consultant. However, current staff is fully utilized and not able to meet peak demand during the Master Plan program implementation.

PUBLIC OUTREACH

The RFQ for Airport GIS Consultant Services was posted on the Airport’s website, GeoCommunity Online Magazine (specific to the GIS Industry), and sent a direct e-mail notification to ten known GIS firms. In addition, staff has coordinated with the City’s Unions.

COORDINATION

Issuance of the RFQ was coordinated with the City’s Contracting-In Process. This project and memorandum has been coordinated with the City’s GIS Technical Advisory Committee, the Information Technology Department, City Attorney’s Office and City Manager’s Budget Office.

COST IMPLICATIONS

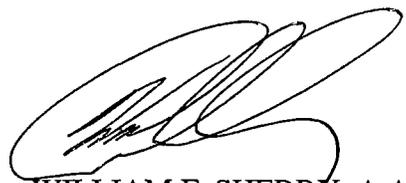
1. AMOUNT OF RECOMMENDATION: \$600,000
2. COST OF AGREEMENT:
TOTAL AGREEMENT AMOUNT **\$600,000**
3. SOURCE OF FUNDING: 527 – Airport Renewal and Replacement Fund
4. FISCAL IMPACT: This council item is consistent with General Principle #2, “We must focus on protecting our vital core city services”, and Item #7 “We must continue to streamline, innovate, and simplify our operations... so that we can deliver services at a higher quality level, with better flexibility, at a lower cost.”

BUDGET REFERENCE

Fund #	Appn #	Appn Name	RC #	Total Appn	Amt for Contract	Proposed 2006-2007 Capital Budget	Last Budget Revision (Date, Ord. No.)
527	4007	Advanced Planning	121273	\$635,000	\$600,000	Page V-878	

CEQA

Resolution Nos. 67380 and 71451, PP 06-098



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 Director of Aviation

For questions, please contact William Sherry, Director of Aviation, at 501-7669.

