



Date: July 10, 2007

Committee Meeting Date: July 19, 2007

Board Meeting Date: August 2, 2007

**BOARD MEMORANDUM**

ACTION  X  DISCUSSION       INFO      

**TO:** Committee of the Whole  
 Santa Clara Valley Transportation Authority  
 Board of Directors

**THROUGH:** Michael T. Burns  
 General Manager

**FROM:** Jack J. Collins  
 Chief Engineering & Construction Officer

**SUBJECT:** Right-of-Way Engineering and Survey Services for VTA Rail, Highway  
 and Facilities Projects

**Policy-Related Action: No**

**Government Code Section 84308 Applies: Yes**

**RECOMMENDATION:**

Authorize the General Manager to execute contracts and future options for Aerial Photography, Right-of-Way Engineering and Survey Services with the following seven firms:

- Towill, Inc.
- BKF Engineers
- HMH Engineers
- Geomatic Transportation Services, Inc.
- TY Lin International
- David Evans and Associates, Inc.
- Rail Surveyors and Engineers

Contracts will be limited to no more than seven years in duration, and the total amount of all contracts shall not exceed \$11,500,000.

**BACKGROUND:**

VTA is beginning design work on a number of 2000 Measure A Transit Improvement projects, and a highway improvement program that includes 3 priority infrastructure bond projects. Also, a number of VTA facilities including light rail platform modifications in South San Jose, DeAnza Transit Center, rail rehabilitation and other yard and shop modifications are moving forward into

construction. These projects will require aerial photography, right-of-way engineering and survey services to support engineering and construction activities over the next 5 to 7 years. The term for VTA's current list of surveying consultants is nearing completion, so a solicitation for these services was issued to select a new list of qualified firms.

**DISCUSSION:**

A Request for Proposals (RFP) for Aerial Photography, Right-of-Way Engineering and Survey Services was issued by VTA on March 20, 2007. The RFP was advertised in the San Jose Mercury News on March 26, 2007 and listed on the VTA Web Page. In addition, a notification of the RFP was directly sent to 12 firms including 2 Small Business Enterprise (SBE) firms. The following 9 firms submitted proposals:

1. Towill, Inc.
2. BKF Engineers
3. HMH Engineers
4. Geomatic Transportation Services, Inc.
5. T.Y. Lin International
6. David Evans and Associates, Inc.
7. Rail Surveyors and Engineers
8. Mark Thomas & Company, Inc.
9. Bellecci & Associates, Inc.

An evaluation panel consisting of VTA's Survey Manager, Associate Surveyor and VTA Contract Administrator evaluated the proposals using the following criteria:

- Qualifications of Firm 25%
- Staffing and Project Organization 20%
- Work Plan 15%
- Local Firm Preference 10%
- Cost and Price 30%

Using the established evaluation criteria, the panel determined that 7 of the 9 firms submitting proposals would be interviewed. The two firms not selected for interviews were eliminated based on overall scores below 70. The VTA panel's cumulative scores for the written proposals are as follows:

<b>Firm</b>	<b>Overall Score</b>	<b>Overall Rank</b>
Towill, Inc.	95.2	1
BKF Engineers	93.5	2
HMH Engineers	87.2	3
Geomatic Transportation Services, Inc	82.0	4
T.Y. Lin International	81.0	5
David Evans and Associates, Inc	80.0	6
Rail Surveyors and Engineers	76.0	7
Mark Thomas & Company, Inc.	69.0	8
Bellecci & Associates, Inc	67.0	9

Oral Interviews of the seven remaining firms questioned more specifically the ability of the Project Manager, sub consultants qualifications and project experience. The overall scores and ranking of the firms did not change as a result of the interviews.

Based on the foregoing, the Review Board recommended qualifying Towill, Inc., BKF Engineers, HMH Engineers, Geomatic Transportation Services, Inc., T.Y. Lin International, David Evans and Associates, Inc. and Rail Surveyors and Engineers for providing Aerial Photography, Right-of-Way Engineering and Survey Services as may be required by VTA.

The proposed rates of the qualifying firms are deemed fair and reasonable following a price analysis.

The consultant agreements will be Task Order Contracts compensated on a time and materials basis. Each agreement shall have a maximum value. The consultant may be issued more than one Task Order, requiring work on multiple projects at a time. All Task Orders are implemented by VTA’s Survey Manager and approved by VTA’s Contracts Department. All consultant work shall be performed under the direction of the VTA Survey Unit Manager.

Initial contract Task Orders with the top four firms are anticipated in the estimated amounts shown below to support VTA’s Capital Program and real estate needs.

Firm	Field Crew Days	Office Support Days	Task Order Estimate
Towill Inc.	1000	1690	\$3.5 million
BKF Engineers	600	1050	\$2.0 million
HMH Engineers	400	1000	\$1.5 million
Geomatic Transportation Services, Inc.	350	600	\$1.0 million

The rationale for particular consultant assignments will be based upon familiarity with a particular project and certain unique skills and capabilities that would best be utilized on a particular task or project.

**ALTERNATIVES:**

There are no viable alternatives.

**FISCAL IMPACT:**

Funds for these contracts are included in the various Capital project budgets approved in the Fiscal Year 2008 and 2009 Annual Budget adopted by the VTA Board on June 7, 2007.

*Operating Budget Impact:* These services do not impact the VTA operating budget.

**SMALL BUSINESS ENTERPRISE (SBE) PARTICIPATION:**

Goals for contract participation of SBE firms will be set on each individual Task Order based upon subcontracting opportunities for that specific Task Order and the availability of SBE subcontractors for the specialties identified.

Attachment: List of Primes and Sub-Consultants

Prepared by: Stan Heffner, Survey and Mapping Manager

## ATTACHMENT

### Listing of Recommended Prime and Sub-Consultants

RFP 07-05 On-Call Survey and Right of Way Engineering Consultants  
for Rail, Highway and Facilities Projects

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	<b>Consultant Firm</b>	<b>Contact Person</b>	<b>Location</b>
<b>Prime</b>	<b>Towill, Inc.</b>	<b>Dennis Curtin</b>	<b>San Jose</b>
Sub-Consultant	Air Flight Service	Jack Barcelona	Santa Clara
Sub-Consultant	Allied Engineering Company	Lester Ikegami	San Jose
Sub-Consultant	David Greenwell Associates	David Greenwell	Marysville
Sub-Consultant	Espinoza Surveying	Joel Joyner	San Francisco
Sub-Consultant	Sandis	Laura Cabral	Mountain View
Sub-Consultant	Goecadd Aerial Surveys	Sandra Williamson	Fremont
<b>Prime</b>	<b>BKF Engineers</b>	<b>Billy Martin</b>	<b>San Jose</b>
Sub-Consultant	Aero Geodetic	Bob Petit	San Jose
Sub-Consultant	Cross Land Surveying	Kristina Comerer	San Jose
Sub-Consultant	Geomatic Transportation Services	Dan Scott	San Jose
<b>Prime</b>	<b>HMH Engineers</b>	<b>William Wagner</b>	<b>San Jose</b>
Sub-Consultant	Geocadd Aerial Surveys	Sandra Williamson	Fremont
Sub-Consultant	Cross Land Surveying	Kristina Comerer	San Jose
<b>Prime</b>	<b>Geomatics Transportation Services</b>	<b>Dan Scott</b>	<b>San Jose</b>
Sub-Consultant	Stockinger Surveys	Brian Stockinger	Martinez
Sub-Consultant	F3 & Associates	Gene Feickert Jr.	Petaluma
Sub-Consultant	Geocadd Aerial Surveys	Sandra Williamson	Fremont

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### Qualified Firms Should Additional Survey Work be Required

<b>Prime</b>	<b>T.Y. Lin International</b>	<b>Hatem Ahmed</b>	<b>San Jose</b>
Sub-Consultant	Nolte Associates	Doug Aylsworth	San Jose
	Geomatic Transportation Services	Dan Scott	San Jose
	URS	Skip Christensen	Pleasant Hill
<b>Prime</b>	<b>David Evans and Associates, Inc.</b>	<b>Linwood Carleton</b>	<b>San Ramon</b>
Sub-Consultant	Digital Mapping, Inc.	Gen Aliyazicioglu	Huntington Beach
<b>Prime</b>	<b>Rail Surveyors &amp; Engineers, Inc.</b>	<b>Kevin Gray</b>	<b>Belmont</b>
Sub-Consultant	Aero-Geodetic Corporation	Bob Petit	San Jose