

REPORT

To the Honorable Mayor and City Council From the City Manager

July 9, 2007

SUBJECT

Agreement for Land Surveying Services for the Citywide Elevation Reference System Upgrade Program

RECOMMENDATION

Approve, by motion, the consultant agreement with Meridian Surveying Engineering, Inc. (Meridian) of San Francisco to provide land surveying services for the citywide elevation reference system upgrade program in an amount not to exceed \$139,523.84, and authorize City Manager to execute same.

BACKGROUND

Redwood City, like many other California cities, has elevation information which is inaccurate due to construction activities, earthquakes, subsidence, and earlier mismeasurement. As well, the system that the City currently uses to determine elevation is soon to be obsolete. The proposed agreement will provide updated survey information for more accurate elevation information. Agencies using the new system include Federal Emergency Management Agency and the U.S. Army Corps of Engineers. Upgrades to the City's elevation reference system will provide accurate, consistent, and easily communicated information to support:

- Floodplain management and the National Flood Insurance Program
- Roadway and infrastructure systems design
- Earthquake and subsidence recordation

Meridian responded to a Request for Proposal and participated in a selection process which included oral interviews held on March 30, 2007. Meridian received the highest ranking of all applicants and was deemed a qualified firm with extensive experience on similar projects.

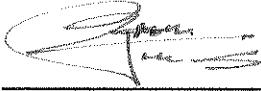
Meridian will facilitate the survey by providing a network of new control points. The survey data will be used to update and standardize the citywide system which can be maintained by Global Positioning System. Meridian will also use the survey data to establish new elevation reference point (benchmarks) at quarter-mile intervals throughout downtown, and half-mile intervals throughout other areas of the City.

ALTERNATIVES

Council may choose not to enter the proposed agreement with Meridian and direct staff to interview other qualified firms which could delay the system upgrade.

FISCAL IMPACT

Funding in the amount of \$100,000 has been appropriated in the Fiscal Year 2007-2008 budget, Capital Projects Fund, Citywide Bench Mark Datum Survey. Additional funding in the amount of \$53,000 is available in the Fiscal Year 2006-2007 budget, Capital Projects Fund, Water and Sewer Fund.



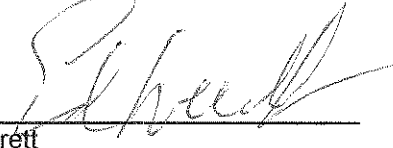
Paul Willis, P.E.
Senior Civil Engineer



Chu Chang, P.E., Manager
Engineering & Construction



Peter Ingram, Director
Community Development Services



Ed Everett
City Manager

ATTACHMENTS

None

RELATED DOCUMENTS IN CITY CLERK'S OFFICE

Proposed Agreement