



Legislation Details (With Text)

**File #:** 22-0397      **Version:** 1      **Name:** ER - Trimble Alloy Global Navigation Satellite System base station receivers

**Type:** Resolution      **Status:** Adopted

**File created:** 3/24/2022      **In control:** City Council

**On agenda:** 4/12/2022      **Final action:** 4/12/2022

**Title:** Recommendation to adopt resolution authorizing City Manager, or designee, to execute a contract, and any necessary documents including any subsequent amendments, with California Surveying and Drafting Supplies, Inc., of Sacramento, CA, to furnish and deliver Trimble Alloy Global Navigation Satellite Systems, base station receivers, hardware and related software for subsidence monitoring activity, in a total annual amount not to exceed \$140,000, for a period of two years. (Citywide)

**Sponsors:** Energy Resources

**Indexes:**

**Code sections:**

**Attachments:** 1. 041222-C-6sr&att, 2. RES-22-0054.pdf

Date	Ver.	Action By	Action	Result
4/12/2022	1	City Council	approve recommendation and adopt	Pass

Recommendation to adopt resolution authorizing City Manager, or designee, to execute a contract, and any necessary documents including any subsequent amendments, with California Surveying and Drafting Supplies, Inc., of Sacramento, CA, to furnish and deliver Trimble Alloy Global Navigation Satellite Systems, base station receivers, hardware and related software for subsidence monitoring activity, in a total annual amount not to exceed \$140,000, for a period of two years. (Citywide)

City Council approval is requested to enter into a contract with California Surveying and Drafting Supplies, Inc. (CSDS), to furnish and deliver Trimble Alloy Global Navigation Satellite Systems (GNSS), base station receivers, hardware, and related software for subsidence monitoring activity.

The City of Long Beach (City) Energy Resources Department (ER) monitors surface elevation for oil field-related subsidence control through 14 permanent, City-owned Trimble Global Positioning System (GPS) base station receivers that collect surface elevation data in real-time. This information is augmented by the semi-annual mobile surveying of 240 GPS benchmarks collected from 5 portable Trimble GPS R-10 rover receivers. From 2010 through 2012, ER replaced its GPS receivers with Trimble NetR9 base station receivers and Trimble R8 rover receivers. Currently, the GPS hardware is two years beyond its designed life expectancy. Firmware updates are no longer available for the current GPS hardware, and existing hardware cannot see newly launched GPS/GNSS satellites.

In 2020, ER conducted a technical evaluation of its Real-Time Network (RTN) and determined that the RTN software and equipment in use at that time was in need of

replacement. The software was incapable of being upgraded and required replacement. ER determined the upgrade would be divided into two phases:

Phase 1: GPS base station receiver replacement - 7 stations

Phase 2: GPS base station receiver replacement - 7 stations

CSDS is the only authorized distributor in the Southern California region to sell and service the full line of Trimble survey products and is the only local supplier of Trimble receivers compatible with the City's current surface elevation monitoring system.

City Charter Section 1801 requires that contracts for City purchases be awarded to the lowest responsible bidder after a competitive bid process but allows for awards without a competitive bid process when authorized by a Resolution adopted by the City Council.

This matter was reviewed by Principal Deputy City Attorney Richard F. Anthony and Purchasing Agent Michelle Wilson on March 14, 2022, and by Revenue Management Officer Geraldine Alejo on March 24, 2022.

City Council action to adopt a Resolution and award a contract concurrently is requested on April 12, 2022, to ensure the contract is in place expeditiously.

The total annual amount of the contract will not exceed \$140,000. Sufficient appropriation to support the annual contract amount is budgeted in the Tidelands Oil Revenue Fund Group in the Energy Resources Department. This recommendation has no staffing impact beyond the normal budgeted scope of duties and is consistent with existing City Council priorities. There is no local job impact associated with the recommendation.

Approve recommendation.

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ROBERT M. DOWELL  
DIRECTOR OF ENERGY RESOURCES

APPROVED:

THOMAS B. MODICA  
CITY MANAGER