



County of Santa Cruz

Department of Public Works

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John J. Presleigh, Director of Public Works

Meeting Date: November 7, 2017
Date: September 12, 2017
To: The Board of Supervisors
From: John Presleigh, Director
Subject: Purchase of Survey Equipment

The Department of Public Works survey section is responsible for field surveys used for planning and designing projects, right-of-way determinations, and construction layouts. This section serves all divisions within Public Works.

In order to perform the necessary duties of the survey section, Public Works utilizes electronic distance measuring equipment. The current equipment, which is over 10 years old, is outdated, inefficient, and the County has no backup if it fails.

In researching new equipment, staff contacted vendors Leica Geosystems, Inc. and Topcon Corporation, who offered survey equipment that appeared to meet the needs of the survey section. Topcon was non-responsive to our requests for information and demonstration of their equipment. Leica continued to work with staff and provided an on-site demonstration of their survey equipment.

Based on a review of the available data and the demonstration, it was determined that the Leica Geosystems robotic multi-station with related software and scanner would best meet the future needs of the survey section. Further, this equipment is compatible with existing survey data allowing for more efficiency and faster edits to keep projects on track.

Attached for review and approval is the Leica Geosystems MS60 and CS20 survey equipment quote at the cost of \$55,754. It will be necessary to do a budget transfer request of \$62,000, which includes administrative overhead, and a sole source justification (attached). Sufficient funds are available for this purchase with a transfer of funds from the Internal Service Fund Equipment Reserves.

It is therefore RECOMMENDED that your Board:

1. Approve the attached transfer of funds in the amount of \$62,000 from the

Public Works ISF equipment replacement fund; and

2. Authorize the purchase of Leica Geosystems survey equipment at a cost of \$62,000 as recommended by the Director of Public Works.

Submitted by:


John Fresleigh, Director 10/24/2017

Recommended:

Carlos J. Palacios, County Administrative Officer

Attachments:

- a Survey Equipment MS60 Quote
- b AUD74
- c Lecia sole source