

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: November 12, 2014

Board Item: II-A-7

Update and Standardize GPS Equipment

Action by Consent

Action

Information

The Survey Department's Global Positioning System's (GPS) Coordinator has developed a five-year plan, which requires standardization of GPS equipment across the organization to support standard work. GPS users are responsible for collecting accurate asset location and attribute information used to populate databases utilized by the entire organization. Location information is collected for all new assets ranging from meter sets to large capital projects. GPS plays a vital role in Denver Water's day-to-day business. Every Denver Water project uses GPS for design, layout, as-built completion, and population of E-Map, the primary asset record database.

Many of the sections utilizing GPS use outdated and unsupported equipment purchased five to seven years ago. The older equipment has become unreliable and is decreasing employee efficiencies. The GPS Coordinator is working hard to build and strengthen GPS data collection efforts by standardizing workflows and collection databases. Standardizing equipment will improve cross-departmental collaboration and data sharing throughout the organization. Focusing training and educational opportunities to a standard piece of equipment will increase data collection efficiency and reliability.

With the help of a local vendor, GPS Coordination has successfully implemented the first stage of a GPS Training Program. The next stage will be tailored for hands-on training with GPS equipment. Standardizing equipment will allow GPS Coordination to implement a 5-year maintenance and replacement program. The plan takes into account the number of user hours and equipment purchased date. The plan will get the newest equipment in the hands of the power users, while redeploying remaining functional equipment to other sections with lower data collection requirement needs.

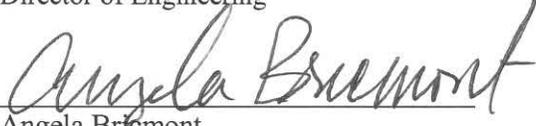
Recommendation

GPS Coordination requests that the Board approve the expenditure of \$184,652.00 with Vectors, Inc. for 13 GPS units and related equipment. Funding for this purchase will be transferred from various Capital Projects to the Specialized Equipment MPC 3HJ0006.

Approvals:

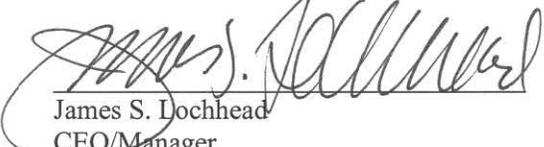


Robert J. Mahoney
Director of Engineering



Angela Brumont
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Respectfully submitted,



James S. Lochhead
CEO/Manager



Terri Bryant, CPA
Controller