



COUNTY OF SAN MATEO
Inter-Departmental Correspondence
Information Services



Date: January 26, 2017

Board Meeting Date: March 14, 2017

Special Notice / Hearing: None

Vote Required: Majority

To: Honorable Board of Supervisors

From: Jon Walton, CIO/Director, Information Services Department

Subject: Agreement with The Sanborn Map Company, Inc. for aerial imagery and Light Detection and Ranging (LiDAR) data acquisition services

RECOMMENDATION:

Adopt a resolution authorizing an agreement with The Sanborn Map Company, Inc. for aerial imagery and Light Detection and Ranging (LiDAR) data acquisition services, for the term of March 14, 2017 through December 31, 2017, in an amount not to exceed \$253,430.

BACKGROUND:

The County's aerial imagery was last updated in 2014 and LiDAR in 2006. The aerial imagery and LiDAR data acquisition project will continue the effort to build and maintain a current basemap and datasets for our County that can meet the needs of our staff and residents. A common current digital basemap, reduces the cost of developing mapping applications, provides a common source of reference for existing conditions across the County and added efficiencies to many of the public safety/public outreach activities. Many of our important County business processes such as land records management, 9-1-1, utility and transportation infrastructure management, address assignment, and building inspection, are highly reliant on the use of current aerial imagery.

DISCUSSION:

The GIS Steering and Solutions Committees met in June to prioritize projects for implementation. The aerial imagery and LiDAR (Light Detection and Ranging) data acquisition project was considered a top priority among a series of projects outlined in the 5-year Enterprise GIS Plan. This dataset will also serve as an essential reference dataset for Assessor's Parcel Reconstruction Project. The San Mateo County Executive Council, on CIO Jon Walton's recommendation, officially adopted the Enterprise GIS 5-year Tactical Plan at its June 27, 2016 meeting.

The Imagery and LiDAR Data Acquisition Project released a Request for Proposals (RFP) in July 2016, and thirteen proposals were received. The proposal evaluation team, consisting of ten members from County departments and cities, unanimously selected Sanborn as the most qualified vendor.

With the proliferation of online mapping, in-house data is still needed for a variety of reasons. First, online data is proprietary. San Mateo County will own the imagery products that come out of this project. Second, the Metadata or the information about the imagery files, such as creation date and scale, is obscured online. Lastly, online photography is dependent on broadband. The GIS Team has provided imagery to Coastside Fire for rural areas with no broadband access.

The GIS Steering Committee is in negotiations with C/CAG to fund a portion of the cost for the project. County GIS is currently sharing imagery with several cities, including; Belmont, Daly City, Portola Valley, Redwood City, and San Mateo. The goal is to fund more frequent updates through cost sharing.

County Counsel has reviewed and approved the resolution and agreement as to form.

The resolution contains the County's standard provision allowing amendment of County's fiscal obligations by a maximum of \$25,000 (in aggregate).

Approval of this agreement contributes to the 2025 Shared Vision of a Collaborative Community by providing spatial and visual datasets/resources that will enable local governmental entities, emergency service providers, non-profit organizations, academic institutions, and other GIS users to have a common reference for conditions across San Mateo County. Furthermore, this dataset will also serve as an important tool for citizen engagement as it will empower residents of San Mateo County to come together, deliberate, and take action on problems or issues that are important to them.

PERFORMANCE MEASURE(S):

Measure	FY 2015-16 Actual	FY 2016-17 Projected
Increase the accuracy of the parcel fabric layer and street centerline data	20%	35%

FISCAL IMPACT:

The term of the agreement is from March 14, 2017 to December 31, 2017. The total not to exceed amount of the agreement is \$253,430.28. The funding for this agreement is included in ISD's Fiscal Year 2016-17 Adopted Budget.

Request for Proposals – Matrix

1	Where was the RFP advertised?	www.PublicPurchase.com and San Mateo County Times
2	In addition to any advertisement, list others to whom the RFP announcement was sent:	Posted on www.PublicPurchase.com
3	State the total number of RFP's sent to prospective proposers:	Posted on www.PublicPurchase.com
4	How many proposals did you receive?	13
5	List in alphabetical order the names of the proposers (or finalists, if applicable) and the location:	<p>Aerial Services Inc., Cedar Fall, IA</p> <p>Aero-Graphics Inc., Salt Lake City, UT</p> <p>Cardno Inc., Portland, OR</p> <p>Cooper Aerial Surveys Co., Phoenix, AZ</p> <p>Digital Mapping, Inc., Huntington Beach, CA</p> <p>Geophex Surveys, Raleigh, NC</p> <p>Harris Corporation, Melbourne, FL</p> <p>McKim & Creed, Austin, TX</p> <p>Merrick & Company, Greenwood Village, CO</p> <p>Pictometry, Rochester, NY</p> <p>Quantum Spatial, Corvallis, OR</p> <p>Tetra Tech, Inc., Lafayette, CA</p> <p>Sanborn, Colorado Springs, CO</p>