



A Tradition of Stewardship  
A Commitment to Service

Agenda Date: 1/26/2021

Agenda Placement: 7H

## NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

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**TO:** Board of Supervisors

**FROM:** Jon Gjestvang - Chief Information Officer  
Information Technology Services

**REPORT BY:** Shawn Smith, Supervising Staff Services Analyst - 707.259.8665

**SUBJECT:** Approval of Agreement with Pictometry for GIS Aerial Photography

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### **RECOMMENDATION**

Chief Information Officer requests approval of and authorization for the Chair to sign an Agreement with Pictometry International Corporation for a maximum of \$182,355 for the term January 26, 2020 through December 31, 2022 to provide aerial photography services.

### **EXECUTIVE SUMMARY**

Aerial photography is a vital type of information used in the Geographic Information System (GIS). However, like any photograph, it represents the land surface only at the exact point in time the photo was taken. As land surfaces change over time, the images become inaccurate. For this reason, it is necessary to update the aerial photos on a regular basis. Due to higher resolution requirements of County departments and agencies, the County is unable to use aerial photography from services like Google. The goal of this project is to capture county-wide aerial images during the 2021 leaf-off season.

The project's total cost is \$182,355, with the County contributing \$168,399 and the Cities of American Canyon, Calistoga, Napa, St. Helena, and the Town of Yountville contributing \$13,956. This should meet the County's general GIS needs for the next three years.

Pictometry International Corporation is not a local vendor.

### **FISCAL & STRATEGIC PLAN IMPACT**

Is there a Fiscal Impact? Yes

Is it currently budgeted?	Yes
Where is it budgeted?	Information Technology Services
	The project's total cost is \$182,355. The cities of American Canyon, Calistoga, Napa, St. Helena, and the Town of Yountville will be contributing \$13,956 for their portion of this project. The ITS cost allocation has included \$47,000 per fiscal year for the past three years in anticipation of future aerial photography costs. ITS will use the \$141,000 collected for the County's portion of the project, and will plan to use \$27,399 of available ITS fund balance for the unbudgeted portion.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	Aerial photography is a vital type of information used in the Geographic Information System (GIS). As land surfaces change over time, the photos become more and more inaccurate. For this reason, it is necessary to update the aerial photography used in GIS on a regular basis. Due to the higher resolution requirements of County departments and agencies, the County is unable to use aerial photography from services like Google. Current aerial photography can be used in many ways to save the County time and money. For example, Assessor staff can compare the size of buildings on current aerial photos to the size on older photos to uncover additions and improvements that haven't been assessed. County staff can analyze project sites using the detailed aerial photos instead of making costly field visits and County assets can be mapped, maintained and analyzed by digitizing off of the aerial photos instead of performing field data collection.
Is the general fund affected?	Yes
Future fiscal impact:	ITS has allocated \$47,000 annually to cover anticipated aerial photography costs and will continue to allocate and budget at least \$55,000 per year for the next project.
Consequences if not approved:	Without approval of this project, County staff will be unable to utilize more accurate information used for various County applications.
County Strategic Plan pillar addressed:	Effective and Open Government
Additional Information:	

### **ENVIRONMENTAL IMPACT**

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

### **BACKGROUND AND DISCUSSION**

Aerial photography is a vital type of information used in the Geographic Information Systems (GIS). It is used as a

basemap since it provides the most detailed information available about the land surface. It is also the most cost-effective means of capturing infrastructure data such as roads and buildings. Additionally, it allows users to view field conditions without leaving their office. Appraisers can use the imagery to detect new building improvements and vineyards, while public safety officers can visualize incident locations. Unfortunately, like any photograph, it represents the land surface at the exact point in time the photo was taken. As land surfaces change over time, the aerial images become more and more inaccurate. For this reason, it is necessary to update the aerial images used in GIS on a regular basis. The most recent, high-resolution, county-wide aerial photo data was from 2018.

In January 2018, the County entered into Agreement 180243B with Pictometry International Corporation (Pictometry) to provide aerial photography services necessary to update the GIS regional aerial land photos. The project was unexpectedly delayed due to unsuitable flying conditions, so the agreement was amended to extend the term from June 30, 2018 to June 30, 2019.

It is now time to update the County's aerial images. As done in our 2018 project, we will continue to utilize the Los Angeles County agreement with Pictometry for competitive pricing and terms. The project plan is for the aerial images to be collected during the 2021 leaf-off season, using digital sensors to collect 4-band color data (for both natural-color and color-infrared uses). The resulting aerial images will have three-inch resolution (82 square miles) and six-inch resolution (842 square miles) to cover the entire county.

Total cost of the Napa County project will be \$182,355. This should meet the general GIS needs of the County for the next three years. The cities of American Canyon, Calistoga, Napa, St. Helena, and the Town of Yountville will be contributing a total of \$13,956. The project costs are broken down as follows:

City of American Canyon	\$3,838.00
City of Calistoga	\$820.00
City of Napa	\$7,466.00
City of St. Helena	\$1,302.00
Town of Yountville	\$530.00
Napa County	<u>\$168,399.00</u>
Project Total	\$182,355.00

Today's requested action is for the approval of an agreement with Pictometry International Corporation for a maximum of \$182,355 to provide aerial photography and quality assurance services the term January 26, 2021 through December 31, 2022, necessary to update the GIS regional aerial land photos.

Pictometry International Corporation is based in Henrietta, New York and not a local vendor. There are no local vendors that can meet the County's aerial image needs.

### **SUPPORTING DOCUMENTS**

None

CEO Recommendation: Approve

Reviewed By: Samuel Ross