



A Tradition of Stewardship  
A Commitment to Service

Agenda Date: 12/9/2014

Agenda Placement: 6H

## 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:** Maiko Klieman, STAFF SERVICES MANAGER - 707-259-8665

**SUBJECT:** Approval of revenue agreement with the City of Napa for GIS/Orthophotography Services

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### **RECOMMENDATION**

Chief Information Officer requests approval of and authorization for the Chairman to sign a revenue agreement with the City of Napa for a maximum of \$40,871 for the term December 9, 2014 through December 31, 2014 for aerial photographs.

### **EXECUTIVE SUMMARY**

Aerial photography, also known as orthophotos, is a vital type of information used in Geographic Information Systems (GIS). On April 22, 2014, the Board approved an agreement with the Aquatic Science Center (ASC) (Napa County Agreement No. 8112) to take high-resolution, county-wide aerial photos. This was a cooperative project between ASC and four Bay Area Counties, Napa, Contra Costa, Marin and San Francisco, to produce high-resolution orthoimagery that is detailed enough to support city, county, regional, state, and national purposes. Total cost of the project for Napa County was \$132,619. The cities of American Canyon, Napa, St. Helena, as well as the Town of Yountville and the Napa Sanitation District decided to cost-share for this project in exchange for acquiring the aerial photography of their area. Total contribution from all the agencies is \$52,895. The County has already collected revenues from the cities of American Canyon, Town of Yountville and Napa Sanitation District. The City of Napa has requested that an agreement be signed prior to making payment. The City of Napa's share of the cost is \$40,871.

### **FISCAL IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes

Where is it budgeted?	Information Technology Services budget. Total cost of the project for Napa County was \$132,619. The cities of American Canyon, Napa, St. Helena, as well as the Town of Yountville and the Napa Sanitation District decided to cost-share for this project in exchange for acquiring the aerial photography of their area. Total contribution from all the agencies is \$52,895. The County has already collected revenues from the cities of American Canyon, St. Helena, Town of Yountville and Napa Sanitation District. The City of Napa is the last agency and they have requested we sign an agreement with them in order for them to make the payment. The City of Napa's share of the cost is \$40,871.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	If this agreement is not approved, County will not receive the revenue from the City of Napa for \$40,871 and the City will not get the aerial photography.
Is the general fund affected?	No
Future fiscal impact:	None
Consequences if not approved:	If this agreement is not approved, County will not receive the revenue from the City of Napa for \$40,871 and the City will not get the aerial photography.
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, also known as orthophotos, is a vital type of information used in Geographic Information Systems (GIS). It is used as a basemap since it provides the most detailed information about the land surface available. 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 and public safety officers can visualize incident locations. Unfortunately, like any photograph, it represents the land surface only at the exact point in time the photo was taken. As the land surface changes over time, the orthophotos become more and more inaccurate. For this reason, it is necessary to update the orthophotos used in the GIS on a regular basis.

On April 22, 2014, the Board approved an agreement with the Aquatic Science Center (ASC) (Napa County Agreement No. 8112) to take the high-resolution, county-wide aerial photos. This was a cooperative project between ASC and four Bay Area Counties, Napa, Contra Costa, Marin and San Francisco, to produce high-resolution orthoimagery that is detailed enough to support city, county, regional, state, and national purposes. The aerial images were collected during the 2014 leaf-off season, using digital sensors to collect 4-band color data (for both natural-color and color-infrared uses). The resulting orthoimages have six-inch resolution and covers the entire county (831 square miles).

Total cost of the project for Napa County was \$132,619. The cities of American Canyon, Napa, St. Helena, as well as the Town of Yountville and the Napa Sanitation District decided to cost-share for this project in exchange for acquiring the aerial photography of their area. Total contribution from all the agencies is \$52,895. This is broken

down as follows:

City of American Canyon - \$2,755

City of Napa - \$40,871

City of St. Helena - \$550

Town of Yountville - \$3,719

Napa Sanitation District - \$5,000

County staff was asked to invoice the Cities of American Canyon, Town of Yountville and Napa Sanitation District and have already received all the payments. The City of Napa has requested that an agreement be signed prior to making payment.

**SUPPORTING DOCUMENTS**

None

CEO Recommendation: Approve

Reviewed By: Helene Franchi