

City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL DATE: MAY 4, 2021

FROM: INNOVATION AND TECHNOLOGY DEPARTMENT WARDS: ALL

SUBJECT: PURCHASING AGREEMENT WITH RIVERSIDE COUNTY TECHNOLOGY INFORMATION FOR HIGH-RESOLUTION DIGITAL AERIAL IMAGERY IN AN AMOUNT NOT TO EXCEED \$86,190

ISSUE:

Purchasing Agreement with Riverside County Technology Information for high-resolution digital aerial imagery in an amount not to exceed \$86,190.

RECOMMENDATIONS:

That the City Council:

1. Approve a Purchase Agreement with Riverside County Technology Information for high-resolution digital aerial imagery in an amount not to exceed \$86,190; and
2. Authorize the City Manager, or designee, to execute all documents pursuant to the Purchase Agreement with Riverside County Technology Information, including minor and non-substantive changes.

BACKGROUND:

The current set of aerial images owned by the City of Riverside were purchased in 2012 for \$313,419.25. Updates to digital aerial images are often deemed cost prohibitive. To maintain service levels at a reduced cost, the City acquired aerials with limited use ownership in 2016, followed by low resolution images in 2019.

In January 2019, the Innovation and Technology Department began the citywide Geographic Information System (GIS) Technology Upgrade Project to replace the twenty-five-year-old Legacy system with a state-of-the-art GIS platform. The GIS Technology Upgrade Project contains several tasks. Project Task No. 4, Base Map Improvement, modernized base maps but did not include aerial imagery replacement, as image replacement was considered cost prohibitive. The role of geospatial data in planning and development efforts resulted in the Southern California Association of Governments (SCAG) establishing a purchasing cooperative to reduce the cost of purchasing high-resolution aerials images across all local jurisdictions.

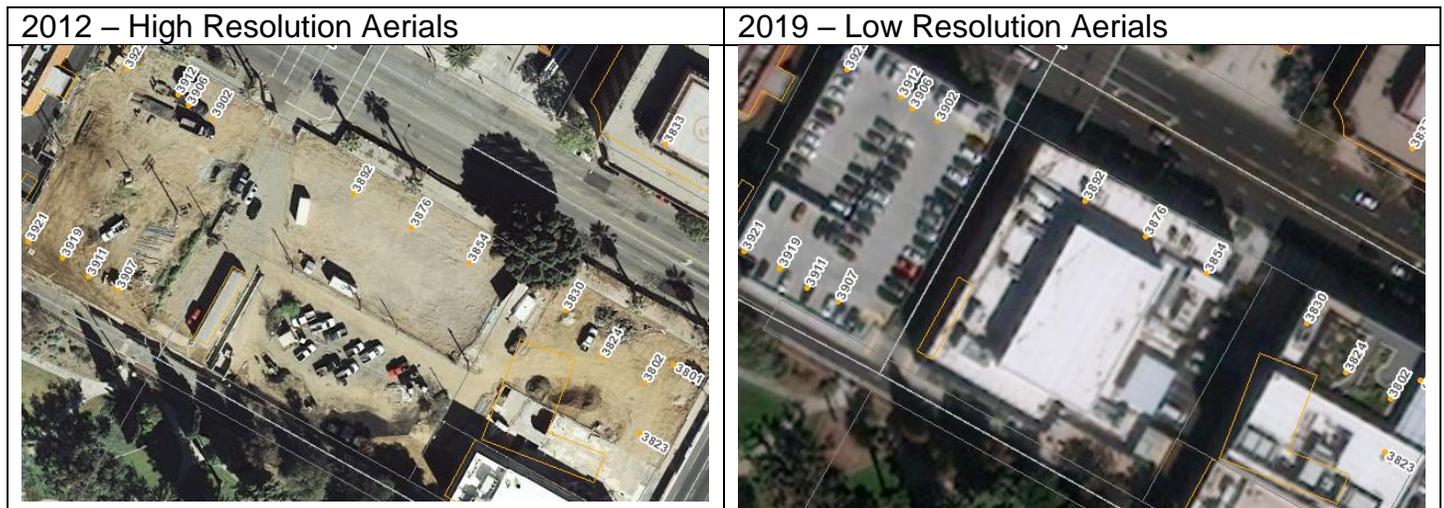
DISCUSSION:

On April 1, 2020, the County of Riverside (County) executed a Second Amendment to an External Entity Agreement with Los Angeles County (LAC) between Pictometry International Corp. and County of Riverside. Through the agreement the County has the right to share these high-resolution aerial images with other jurisdictions within the flight area.

The County worked with SCAG in the procurement of high-resolution aerial imagery for all member jurisdictions through the region resulting in a significant discount. Through the procurement process, a cost distribution model based on geographic size and population was developed. This approach resulted in a fixed fee for each participating jurisdiction without the uncertainty of the number and size of participants. Purchased imagery will include four band color digital orthophotography for the County of Riverside with 3,809 square miles of 3-inch resolution, 713 square miles of 6-inch resolution, and 815,751 building outlines with elevation.

Updated high-resolution digital aerials will allow the City to benefit operations in many ways including, but not limited to:

- Field operations and costs associated with tactical planning for Police and Fire
- Verify the completion and accuracy of Public Works' projects
- Visually portray accurate historical land development over time
- Assist with tree damage litigation claims
- Confirm actual land uses, measure distance, area, height, elevation, and slope of objects on oblique imagery
- Verify utility box locations, transformers, and other capital equipment
- Verify infrastructure, completed projects, condition of remote areas, like well sites and vegetative analysis
- Making accurate future planning decisions based on actual land uses and current conditions



Updated digital aerials support the citywide GIS Technology Upgrade Project by providing the most accurate data and information while moving from the CADME platform to the ArcGIS platform.

Purchasing Resolution 23256 Section 602(f) allows for the exception to competitive procurement, "Where payment for Goods is to be made to a Federal, State, and/or other public entity".

The Purchasing Manager concurs that the recommendations to approve the purchases are in compliance with Purchasing Resolution No. 23256.

FISCAL IMPACT:

The total fiscal impact of this action is \$86,190. Sufficient funding is available in the Capital Outlay Fund, GIS Technology Upgrade Project account 9907000-470696.

Prepared by: George Khalil, Chief Innovation Officer
Certified as to
availability of funds: Edward Enriquez, Chief Financial Officer/Treasurer
Approved by: Lea Deesing, Assistant City Manger
Approved as to form: Kristi J. Smith, Interim City Attorney

Attachments:

1. Digital Aerial Imagery Purchase Agreement