



DOUGLAS COUNTY ADMINISTRATIVE SERVICES

Division of Purchasing

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MEMO TO: The Board of County Commissioners
Craig Weinaug, County Administrator

FROM: Jackie Waggoner, Purchasing Director
Division of Purchasing

SUBJECT: Consider Recommendation of Contract for Orthophotography

DATE: November 12, 2015

We recently solicited proposals for digital color orthophotography for Douglas County (475 sq miles) with neighboring counties Jefferson (555 sq miles) and Shawnee (556 sq miles). Orthophotography is aerial photography from which distortions owing to camera tilt and ground relief has been removed. An orthophoto has the same scale throughout and can be used as a map. The process to correct the geometry of the aerial photography is called orthorectification and it uses elevation data to correct terrain distortion associated with each image. Orthophotography is an indispensable thematic layer in GIS. Total project area for this project is 1,586 sq miles. Working with neighboring counties has given us better pricing through the economy of scale principle. The table below summarizes the cost from the proposal we received:

Cost Tabulation

Vendor	Proposed Cost
Access Geographics	\$ 108,665.00
GeoTerra	\$ 141,550.00
Kucera International	\$ 103,090.00
Pictometry	\$ 118,950.00
Quantum Spatial	\$ 104,676.00
SAM, Inc.	\$ 137,500.00
Sanborn	\$ 101,512.48
Surdex	\$ 137,900.00
Tukuh Technologies	\$ 89,212.50

Technological advances and increased production capabilities continue to drive orthophotography pricing down. The County's 2013 orthophotography project had a per mile cost close to \$100 and that number was significantly less than the other proposals. This year's highest proposed per mile cost is under \$90 while the lowest is close to \$56.

A committee consisting of city and county staff in partnering counties reviewed all proposals and data samples in accordance with project specifications and evaluation criteria – experience and qualifications, costs, schedule and resource availability, references, quality control program and exceptions to specifications. The committee met to discuss results of the

proposal review and narrow the vendor list for further evaluation. The top five (5) vendors were identified by a ranking matrix and each committee member was assigned a vendor for reference calls. The ranking matrix below averages each committee member's scores. Range for score values was 1-9 with 1 being best.

Ranking Matrix

Vendor	Rank Average
Access Geographics	3.6
GeoTerra	8.4
Kucera International	2
Pictometry	9
Quantum Spatial	3.2
SAM, Inc.	8.6
Sanborn	2.6
Surdex	3.6
Tukuh Tech	8

Following reference checks the evaluating committee narrowed their selection to the top 3 vendors (Kucera, Quantum and Sanborn). The committee had conference calls with all three vendors and the overall consensus was Kucera met our requirements and provided the best value.

Kucera was receptive to negotiating items that will benefit all partnering counties, at no additional cost. The table below identifies the project breakdown by partner, area, cost and percentage of cost commitment. Each partner will be responsible for their share of the project.

Cost Breakdown

Partner	Sq Miles	Cost	Percentage
DGCO	238	\$ 15,470	15.0%
JFCO	555	\$ 36,075	35.0%
SNCO	278	\$ 18,070	17.5%
Lawrence	237	\$ 15,405	14.9%
Topeka	278	\$ 18,070	17.5%
Total	1586	\$ 103,090	100%

Funds have been allocated in the Technology Fund Reserve for this project. Bryce and I will be available at the meeting to answer any questions you may have.

RECOMMENDATION: The Board of County Commissioners approves a contract in the amount of \$103,090 with Kucera International for Orthophotography with Douglas County's cost commitment being \$15,470.