

**INDIAN RIVER COUNTY, FLORIDA  
MEMORANDUM**

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**TO:** Jason E. Brown, County Administrator

**THROUGH:** Dan Russell, Director, Information Technology

**FROM:** Michael Staudt, Manager, GIS Division

**DATE:** November 07, 2022

**SUBJECT:** 2023 Oblique Aerial Imagery Contract

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**CONSENT**

**DESCRIPTION AND CONDITIONS**

This agenda item is a proposal for the acquisition of high-resolution oblique and vertical aerial imagery of the populated eastern half of Indian River County for the years 2023, 2024, and 2025. Annual new flights of aerial imagery are valuable to GIS staff for maintaining key street centerline and addressing related data sets, maintenance and update of other GIS layers, and, in parallel with building permit data, verifying change due to new residential and commercial construction. Additionally, the high-resolution oblique imagery has proved valuable to Code Enforcement staff for the identification of code violations and Traffic Engineering staff for documenting signage, lane configurations, and roadway lane markings.

Oblique aerial imagery, aerial photographs taken with the camera axis at a side angle, provides side and profile views of features. These oblique or side views frequently provide the additional detail and information needed to identify a feature. In addition, objects that are not visible in vertical aerial imagery often can be detected and identified using the oblique imagery. Pictometry International Corporation is a firm that specializes in acquiring high resolution oblique aerial imagery. Nearby counties in Florida that Pictometry currently contracts with include Brevard, Martin, Osceola, Okeechobee, and Palm Beach Counties. Indian River County has previously contracted with Pictometry in 2011, 2013, 2015, 2016, and twice for a three-year contract from 2017 thru 2019 and 2020 thru 2022.

Staff is proposing a three-year, multi-year contract with Pictometry to acquire new high resolution oblique and vertical aerial imagery during the three time periods of January 2023, January 2024, and January 2025. The area of coverage for each aerial imagery flight is 355 square miles and the specific project limits are shown in Attachment 1. Each area in the project area will be imaged in 5 different directions, north, south, east, and west, and a vertical view at approximately a 3” ground resolution. Staff is proposing the three-year, multi-year contract with Pictometry because of the 15% discount Pictometry is offering with the three-year contract. The contract includes a “Non-Appropriation” clause which allows the contract to be suspended for subsequent projects if in subsequent years funding is not approved for the contract.

The specific deliverables for the project are listed in Attachment 2, Section A. Imagery deliverables for the project include a digital image library containing the oblique aerial imagery and a single seamless image mosaic created from the vertical imagery. Pictometry has specialized software for viewing and working with the oblique and vertical imagery. Pictometry’s software applications include their ConnectExplorer web applications, Connect Mobile applications for

tablets and smartphones, and Pictometry's Extension for ArcGIS which allows the County's ArcGIS users to view the Pictometry oblique and vertical directly in their ArcGIS software.

A concern of staff is making sure that the oblique imagery, once acquired, is made available and distributed as widely and quickly as possible. Under the terms of the Pictometry license agreement, copies of the above image libraries and software can be made available to all government entities located within Indian River County. Government entities would include all municipal governments and Constitutional Officers.

Due to the fact that we have a historical library of imagery provided by Pictometry, and that Pictometry has a specialized nature of the oblique and vertical image library deliverables and specialized software needed for viewing the oblique imagery, staff is requesting that Pictometry be classified as a "sole source" provider and that the Board of County Commissioners authorize the requirement for bids be waived for this contract.

### **FUNDING**

The total cost of the three-year project is \$373,755.00. The agreement allows for the fees to be paid in three annual payments of \$124,585.00 each. Funds for the first flight and first year of the project are budgeted in the Fiscal Year 2022-2023 Information Technology/Other Equipment, account number 505-166002 in the amount of \$121,635.00 for the imagery and Information Technology/GIS Division/Computer Software, account number 50510319-035120 in the amount of \$2,950 for the software items of the agreement.

### **RECOMMENDATION**

Staff recommends that the Board of County Commissioners approve Pictometry International Corporation as the sole source provider for high-resolution oblique and vertical aerial imagery for Indian River County. Staff further recommends that the Board waive the requirement for bids and authorize the Chairman to execute the attached three-year contract with Pictometry International Corporation as described in Attachment 2, Section A in the amount of \$373, 755.00 (124,585.00/year), and requests that the Board authorize the Chairman to sign the attached agreement and related documents after review by the County Attorney for form and legal sufficiency.

### **ATTACHMENTS**

1. Attachment\_1-IRC\_Aerial\_Imagery\_Project\_Limits\_2023.pdf
2. Attachment\_2-FL\_Indian\_River\_County\_Pictometry\_Agreement\_Nov\_2022.pdf
3. Attachment\_3\_FL\_Indian\_River\_County\_22-23\_COI.pdf

### **DISTRIBUTION**

Dylan Reingold, County Attorney  
Kristin Daniels, Director Management and Budget  
Jennifer Hyde, Purchasing Manager