

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

TO: Jason E. Brown, County Administrator
THROUGH: Kristin Daniels, Budget Director
FROM: Will Rice, Manager, IS/GIS Division
DATE: October 14, 2019
SUBJECT: 2020 Oblique Aerial Imagery Acquisition Project

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 2020, 2021, and 2022. 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 a three year contract from 2017 thru 2019.

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 2020, January 2021, and January 2022. 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 would 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 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 and available in the Fiscal Year 2019-2020 IS/GIS Division budget, Account#'s 505-166153 in the amount of \$121,635.00 for the imagery and 50510319-035120 in the amount of \$2,950 for the software items of the agreement.

RECOMMENDATION

Staff requests that the Board of County Commissioners classify Pictometry as the sole source provider for high-resolution oblique and vertical aerial imagery, waive the requirement for bids, authorize the execution of the attached contract with Pictometry as described in Section A in the amount of \$124,585.00, and requests that the Board authorize the Chairman to sign the attached agreement and related documents after review by the County Attorney.

ATTACHMENTS:

1. Map of Aerial Imagery Coverage and Project Limits
2. Agreement between Pictometry International Corp. and Indian River County.
3. Pictometry Certificate of Insurance (COI)

APPROVED AGENDA ITEM FOR: October 22, 2019