

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

TO: Jason E. Brown, County Administrator

THROUGH: Dori Roy, Assistant to County Administrator

FROM: Will Rice, Manager, GIS Department

DATE: November 7, 2016

SUBJECT: 2017 Oblique Aerial Imagery Acquisition Project

DESCRIPTION AND CONDITIONS

Aerial photographs are used by County staff on a daily basis to provide information on the presence or absence of natural and man-made features and the condition of these features. For the past decade, high resolution vertical orthoimagery has been used by staff in conjunction with Geographic Information Systems (GIS) software for both photo interpretive and planimetric mapping tasks. More recently, a newer type of aerial imagery, oblique aerial imagery, has proved valuable in providing additional information and detail not available in the traditional vertical aerial imagery.

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 information needed to visually identify a feature. Also, objects that are not visible in vertical aerial imagery can often be detected and identified using oblique imagery. For example, houses or other structures that are obscured by heavy tree canopy in vertical imagery can often be detected and identified using oblique aerial images.

Pictometry International Corporation is a firm that specializes in acquiring high resolution oblique aerial imagery. Pictometry oblique aerial imagery provides the “Birds Eye View” aerial imagery found on the Microsoft Bing website. The Counties in Florida Pictometry currently contracts with include Brevard, St. Lucie, Broward, Palm Beach, and Okeechobee County Property Appraisers. Indian River County has previously contracted with Pictometry in 2011, 2013, 2015, and 2016.

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 2017, January 2018, and January 2019. The area of coverage for each aerial imagery flight is 285 square miles and the specific limits of the project 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 including the Sheriff’s Department and Property Appraiser.

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 \$345,933.00. The agreement allows for the fees to be paid in three annual payments of \$115,311.00 each. Funds for the first flight and first year of the project are available in the Fiscal Year 2016-2017 GIS Department budget, Account# 505-103-166153.

RECOMMENDATION

Staff requests that the Board of County Commissioners classify Pictometry as the sole source provider, waive the requirement for bids, authorize the execution of the attached contract with Pictometry as described in Section A in the amount of \$115,311.00, and requests that the Board authorize the Chairman to sign the attached agreement and related documents.

ATTACHMENTS:

1. Map of Aerial Imagery Coverage and Project Limits
2. Agreement between Pictometry International Corp. and Indian River County.
3. Section A – Product Descriptions, Prices and Payment Terms
4. Section B – License Terms
5. Section C – - Non-Standard Terms and Conditions
6. Sector Map – Pictometry Imagery Coverage Map for 285 Tiles

APPROVED AGENDA ITEM

BY: _____

FOR: November ____, 2016

Indian River Co	Approved	Date
Administrator		
Legal		
Budget		
GIS		
Purchasing		
Risk Management		