



## **BOARD OF SUPERVISORS AGENDA ITEM REPORT**

### **CONTRACTS / AWARDS / GRANTS**

☐ Award ☒ Contract ☐ Grant

Requested Board Meeting Date: 08/17/2020

\* = Mandatory, information must be provided

or Procurement Director Award ☐

---

**\*Contractor/Vendor Name/Grantor (DBA):**

Pictometry International Corp

**\*Project Title/Description:**

Aerial Photography Services

**\*Purpose:**

Amendment of Award: Master Agreement No. MA-PO-16-266, Amendment No. 04. This Amendment is for a one-time increase in the amount of \$145,210.50 for a cumulative not-to-exceed contract amount of \$1,848,811.99. This increase is for high resolution imagery of the Bighorn Fire burn scar, assisting Regional Flood Control in the construction of terrain models. Administering Department: Information Technology.

**\*Procurement Method:**

Pursuant to Pima County Procurement Code 11.24.010, Cooperative procurement authorized, on April 05, 2016, the Board of Supervisors approved an award of contract effective 04/06/2016 to 04/05/2022 and an award amount of \$1,570,209.00.

On June 07, 2016, the Board of Supervisors approved Amendment No. 01, which increased the contract not-to-exceed amount by \$81,070.00 for a revised contract not-to-exceed amount of \$1,651,279.00. This increase was to cover the additional aerial photography of the Altar Valley Watershed to develop a watershed restoration plan.

On April 03, 2018, the Board of Supervisors approved Amendment No. 02, which increased the contract not-to-exceed amount by \$24,200.00 for a revised contract not-to-exceed amount of \$1,675,479.00. This increase was for an additional 79 sq. miles of high resolution imagery.

On May 19, 2020, the Board of Supervisors approved Amendment No. 03, which increased the contract not-to-exceed amount by \$28,122.49 for a revised contract not-to-exceed amount of \$1,703,601.49. This increase was for an additional 32 sq. miles of high resolution imagery.

PRCUID: 199994

Attachment: Contract Amendment No. 04 and Award Amendment Ratification Request Memo/Department Memo.

**\*Program Goals/Predicted Outcomes:**

To obtain additional aerial photography images and historical images of Pima County. Pima County department utilize the Geo-referenced aerial photographs to provide optimum service to Pima County residents.

**\*Public Benefit:**

This imagery is currently used by multiple County departments in a variety of ways which include generating revenue for the County, inventorying and managing County assets, enhancing Public safety efforts and supporting the County's economic development planning.

**\*Metrics Available to Measure Performance:**

Department will review accuracy and quality of the images provided by the contractor.

**\*Retroactive:**

No. Contract was executed by Chair on 08/03/2020 for Board ratification on 08/17/2020.

To: COB 08.04.2020 (1)

vers: 10

pgs: 10

**Contract / Award Information**

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Contract Number (i.e., 15-123): \_\_\_\_\_  
 Commencement Date: \_\_\_\_\_ Termination Date: \_\_\_\_\_ Prior Contract Number (Synergen/CMS): \_\_\_\_\_  
☐ Expense Amount: \$\* \_\_\_\_\_ ☐ Revenue Amount: \$ \_\_\_\_\_

**\*Funding Source(s) required:**

Funding from General Fund? ☐ Yes ☐ No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

Contract is fully or partially funded with Federal Funds? ☐ Yes ☐ No

If Yes, is the Contract to a vendor or subrecipient? \_\_\_\_\_

Were insurance or indemnity clauses modified? ☐ Yes ☐ No

If Yes, attach Risk's approval.

Vendor is using a Social Security Number? ☐ Yes ☐ No

If Yes, attach the required form per Administrative Procedure 22-10.

**Amendment / Revised Award Information**

Document Type: MA Department Code: PO Contract Number (i.e., 15-123): 16-266

Amendment No.: 04 AMS Version No.: 10

Commencement Date: 08/03/2020 New Termination Date: \_\_\_\_\_

Prior Contract No. (Synergen/CMS): \_\_\_\_\_

☒ Expense or ☐ Revenue ☒ Increase ☐ Decrease Amount This Amendment: \$ 145,210.50

Is there revenue included? ☐ Yes ☒ No If Yes \$ \_\_\_\_\_

\*Funding Source(s) required: General Fund

Funding from General Fund? ☒ Yes ☐ No If Yes \$ \_\_\_\_\_ % 100

**Grant/Amendment Information** (for grants acceptance and awards) ☐ Award ☐ Amendment

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Grant Number (i.e., 15-123): \_\_\_\_\_

Commencement Date: \_\_\_\_\_ Termination Date: \_\_\_\_\_ Amendment Number: \_\_\_\_\_

☐ Match Amount: \$ \_\_\_\_\_ ☐ Revenue Amount: \$ \_\_\_\_\_

**\*All Funding Source(s) required:**

\*Match funding from General Fund? ☐ Yes ☐ No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

\*Match funding from other sources? ☐ Yes ☐ No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

\*Funding Source: \_\_\_\_\_

\*If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)? \_\_\_\_\_

Contact: Troy McMaster, Procurement Officer McMaster, Troy  
 Department: Procurement Mary Jo Furphy  
 Division Manager: Ana Wilber  
 Telephone: 520.724.8728

Department Director Signature/Date: Daniel C. Hunt

Deputy County Administrator Signature/Date: *[Signature]* 8/4/2020

County Administrator Signature/Date: *[Signature]* 8/4/2020  
 (Required for Board Agenda/Addendum Items)

## MEMORANDUM

---

**Date:** August 03, 2020

**To:** Honorable Chair Valadez, Pima County Board of Supervisors

**From:** Mary Jo Furphy, Procurement Director *Mary Jo Furphy*

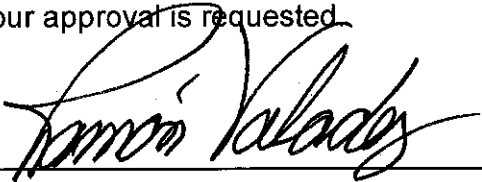
**Re:** Master Agreement No. MA-PO-16-266,  
Award Amendment Ratification Request

Master Agreement No. MA-PO-16-266 was awarded by the Board of Supervisors on April 5, 2016 for Aerial Photography Services. The award was for a period of six (6) years (April 6, 2016 to April 5, 2022) in the award amount of \$1,570,209.00. Areas of interest are re-evaluated before each established two-year imagery capture. Several amendments have been processed to add additional funds for those defined projects.

Due to the Bighorn Fire, there is an urgent need to amend the contract to add an unplanned project for high-resolution imagery of the Bighorn Fire burn scar, which Regional Flood Control requires to construct terrain models, and increase the contract amount by \$145,210.50.

ITD is requesting that this amendment be immediately approved to add \$145,210.50, under the authority of the Chair with ratification to follow at the Board of Supervisors' Meeting on August 17, 2020.

Your approval is requested.



Ramon Valadez, Chair, Pima County Board of Supervisors

**AUG 03 2020**

Date

**Pima County Department of Information Technology****Project:** Aerial Photography Services**Contractor:** Pictometry International Corp  
25 Methodist Hill Drive  
Rochester, NY 14623**Contract No.:** MA-PO-16-266**Contract Amendment No.:** 04

<b>Orig. Contract Term:</b>	04/06/2016 – 04/05/2022	<b>Orig. Amount:</b>	\$1,570,209.00
<b>Termination Date Prior Amendment:</b>	04/05/2022	<b>Prior Amendments Amount:</b>	\$ 133,392.49
<b>Termination Date This Amendment:</b>	04/05/2022	<b>This Amendment Amount:</b>	\$ 145,210.50
		<b>Revised Total Amount:</b>	\$1,848,811.99

**CONTRACT AMENDMENT**

The parties agree to amend the above-referenced contract as follows:

**1. Background and Purpose.**

**1.1. Background.** On August 6, 2016, County and Contractor entered into the above referenced agreement to provide Aerial Photography Services. Contract has previously been amended to provide expanded land coverage of Aerial Photography Services.

**1.2. Purpose.** County requires additional high resolution Aerial Photography Services to cover the Bighorn Fire burned area.

**2. Maximum Payment Amount.** The maximum amount the County will spend under this Contract is increased by \$145,210.50. County's total payments to Contractor under this contract, including any sales taxes, will not exceed \$1,848,811.99.

**3. Scope of Services.** The parties have revised the Scope of Services as follows:


**3.1.** The Scope of Work attached to this Amendment as Exhibit A-4 (5 pages) is incorporated into this agreement.

**3.2.** The Site Map attached to this Amendment as Exhibit B-4 (2 pages) is incorporated into this agreement.

**4. Israel Boycott Certification.** Pursuant to A.R.S. § 35-393.01, if Contractor engages in for-profit activity and has 10 or more employees, and if this Contract has a value of \$100,000.00 or more, Contractor certifies it is not currently engaged in, and agrees for the duration of this Contract to not engage in, a boycott of goods or services from Israel. The certification does not apply to a boycott prohibited by 50 U.S.C. § 4842 or a regulation issued pursuant to 50 U.S.C. § 4842.

All other provisions of the Contract not specifically changed by this Amendment remain in effect and are binding upon the parties.


PIMA COUNTY

  
Chairman, Board of Supervisors

**AUG 03 2020**

Date

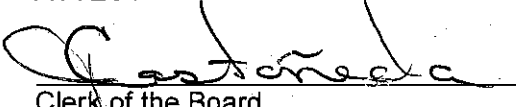
CONTRACTOR

DocuSigned by:  
  
Authorized Officer Signature

Brian Brockmann  
Printed Name and Title

7/31/2020  
Date


ATTEST

  
Clerk of the Board

**AUG 03 2020**

Date

APPROVED AS TO FORM

  
Deputy County Attorney

Stacey Roseberry  
Print DCA Name

7/31/2020  
Date

Pictometry International Corp.  
25 Methodist Hill Drive  
Rochester, NY 14623

**ORDER #**

C19812459

<b>BILL TO</b>	<b>SHIP TO</b>
Pima County, AZ	Pima County, AZ
Jack Lloyd, Manager - Shared Application Platforms	John Dickinson, Senior GIS Analyst
33. N. Stone Ave, 14th Floor Tucson, AZ 85701	33. N. Stone Ave, 14th Floor Tucson, AZ 85701
(520) 724-6689	(520) 724-6708
jack.lloyd@pima.gov	john.dickinson@pima.gov

<b>CUSTOMER ID</b>	<b>SALES REP</b>
A115793	bgarcia

<b>QTY</b>	<b>PRODUCT NAME</b>	<b>PRODUCT DESCRIPTION</b>	<b>LIST PRICE</b>	<b>DISCOUNT PRICE (%)</b>	<b>AMOUNT</b>
269	LiDAR-PURCHASED-0.7m postings (sq mi) Custom Area	LiDAR data delivered in tiled LAS format, nominal raw post spacing of 0.7m, vertical accuracy sufficient to support optional generation of 1-ft contours (available separately). Customer shall own the copy of this LiDAR product delivered to Customer pursuant to this Agreement. Pictometry shall retain copies of said LiDAR product and shall own those copies. Applicable Terms and Conditions: Order Form	\$472.27	\$377.82 (20%)	\$101,632.50
269	Reveal Essentials Neighborhood	Consists of color-balanced, measurable orthomosaic imagery at a Neighborhood level, generated by a fully automated photogrammetric process, and delivered digitally in various formats with the associated metadata. Applicable Terms and Conditions: Delivered Content Terms and Conditions of Use	\$72.00		\$19,368.00
269	LIDAR-DEM and 1ft Contours (sq mi)	Available with qualifying LiDAR purchase. Gridded bare earth DEM in ArcGIS GRID format and tiled contours at a 1-foot interval in ESRI Polyline Feature Class format. Refer to attached terms and conditions. Applicable Terms and Conditions: Delivered Content Terms and Conditions of Use	\$55.00		\$14,795.00
269	LIDAR DSM - Pictometry (sq mi)	Available with qualifying LiDAR purchase. Gridded first return DSM in ArcGIS GRID format. Refer to attached terms and conditions. Applicable Terms and Conditions: Delivered Content Terms and Conditions of Use	\$35.00		\$9,415.00
1	Media Drive Capacity 931G - Drive Model 1T - EXTPOWER	External USB 2.0 / eSATA Externally Powered. Delivery media prices include copying a complete image library onto media. Sub-warehousing sold separately. Applicable Terms and Conditions: Order Form	\$199.00	\$0.00 (100%)	\$0.00
1	Reveal Orthomosaic - Combined	This product represents a single orthomosaic, combining tiles of multiple resolutions with the best-available resolution preferred Applicable Terms and Conditions: Delivered Content Terms and Conditions of Use	\$0.00		\$0.00

Thank you for choosing Pictometry as your service provider.	<b>TOTAL</b>	\$145,210.50
---	--------------	--------------

<sup>1</sup>Amount per product = ((1-Discount %) \* Qty \* List Price)

## FEES; PAYMENT TERMS

All amounts due to Pictometry pursuant to this Agreement ("Fees") are expressed in United States dollars and do not include any duties, taxes (including, without limitation, any sales, use, ad valorem or withholding, value added or other taxes) or handling fees, all of which are in addition to the amounts shown above and, to the extent applicable to purchases by Customer, shall be paid by Customer to Pictometry without reducing any amount owed to Pictometry unless documents satisfactory to Pictometry evidencing exemption from such taxes is provided to Pictometry prior to billing. To the extent any amounts properly invoiced pursuant to this Agreement are not paid within thirty (30) days following the invoice due date, such unpaid amounts shall accrue, and Customer shall pay, interest at the rate of 1.5% per month (or at the maximum rate allowed by law, if less). In addition, Customer shall pay Pictometry all costs Pictometry incurs in collecting past due amounts due under this Agreement including, but not limited to, attorneys' fees and court costs.

Due at Initial Shipment of Imagery

\$145,210.50

**Total Payments**

**\$145,210.50**

PRODUCT PARAMETERS

MOSAIC TILES

<b>Product:</b> <i>Leaf:</i>	<b>Reveal Essentials Neighborhood</b> Leaf Off: Less than 30% leaf cover
<b>Product:</b> <i>Leaf:</i>	<b>Reveal Orthomosaic - Combined</b> Leaf Off: Less than 30% leaf cover

STANDARD ORTHO MOSAIC PRODUCTS

Pictometry standard ortho mosaic products are produced through automated mosaicking processes that incorporate digital elevation data with individual Pictometry ortho frames to create large-area mosaics on an extremely cost-effective basis. Because these products are produced through automated processes, rather than more expensive manual review and hand-touched corrective processes, there may be inherent artifacts in some of the resulting mosaics. While Pictometry works to minimize such artifacts, the Pictometry standard ortho mosaic products are provided on an 'AS IS' basis with respect to visible cutlines along mosaic seams resulting from the following types of artifacts:

- i. Disconnects in non-elevated surfaces generally caused by inaccurate elevation data;
- ii. Disconnects in elevated surfaces (e.g., roadways, bridges, etc.) generally caused by elevated surfaces not being represented in the elevation data;
- iii. Building intersect and clipping generally caused by buildings not being represented in the elevation data;
- iv. Seasonal variations caused by images taken at different times during a season, or during different seasons;
- v. Ground illumination variations caused by images taken under different illumination (e.g., sunny, high overcast, morning light, afternoon light, etc.) within one flight day or during different flight days;
- vi. Single GSD color variations caused by illumination differences or multiple-aircraft/camera captures;
- vii. Mixed GSD color variations caused by adjacent areas being flown at different ground sample distances (GSDs); and
- viii. Water body color variations caused by multiple individual frames being used to create a mosaic across a body of water (e.g., lakes, ponds, rivers, etc.).

Other Pictometry products may be available that are less prone to such artifacts than the Pictometry standard ortho mosaic products.

LIDAR

<b>Product:</b> <i>Funding Source:</i>	<b>LiDAR-PURCHASED-0.7m postings (sq mi) Custom Area</b> Self-funded / None (see related Terms & Conditions as applicable)
<b>Product:</b> <i>Funding Source:</i>	<b>LIDAR-DEM and 1ft Contours (sq mi)</b> Self-funded / None (see related Terms & Conditions as applicable)

## APPENDIX 1

## PHOTOGRAMMETRIC PRODUCT SPECIFICATIONS

### LiDAR 0.7 m

This section describes the operational parameters of the ALTM Gemini that Pictometry intends to set for collection of data. Actual collection parameters may vary due to weather conditions and/or air traffic control (ATC) restrictions. Pictometry stipulates the final accuracy of the dataset regardless of actual capture parameters.

#### CAPTURE PARAMETERS (NOMINAL) – 0.7 M POSTINGS

Flight Altitude:	760m/2500ft
Point Spacing:	0.7m
Point Density:	2 points per square meter
Pulse Repetition Freq.:	70kHz
Scan Angle (+/-):	15.8 degrees
Scan Frequency:	56Hz
Swath Width:	430m/1400ft
Overlap:	30%
Vertical Accuracy:	9.25 cm RMSE <sub>z</sub> bare earth 18.2 cm NSSDA Vertical Accuracy (95% confidence) – bare earth
Horizontal Accuracy:	25cm; RMSE
Returns:	Up to four per pulse
Intensity records:	Recorded for each return
Coordinate System:	Customer preferred system and units (must be specified and approved in advance of start of work).
Filtering:	Automated methods with manual review and clean up with the following minimum performance specifications: <ul style="list-style-type: none"> <li>• 95% of outliers removed</li> <li>• 95% of vegetation removed</li> <li>• 98% of buildings removed</li> </ul>
Contour Interval	Meets or exceeds FEMA requirements to generate contours at a 1' interval. <b>NOTE:</b> While Pictometry stipulates this accuracy, independent verification of this accuracy as well as additional independent reporting is usually required to qualify for FEMA funding. Pictometry offers these services through an independent subcontractor for additional cost.

#### Deliverables:

- LiDAR Data
  - Tiled\* LAS v1.2 files including Return Number and Intensity attribute for each return
    - Duplicate points and 95% of outliers removed
  - Ground points classified via automated methods with manual review and clean up
    - 95% of vegetation features removed
    - 98% of buildings removed
  - Buildings and vegetation not classified separately
  - **NOTE:** LiDAR data deliverables will extend approximately 140m beyond the specified project area
- Raw GPS/INS data and laser range files with supporting information
- FGDC compliant metadata

Estimated Data Sizes (at 0.7m point spacing): 20-25GB per 100 square miles (approximate)

### DEM Bare Earth

#### ESRI Terrain

Pictometry will convert the Bare Earth classified data contained in the LAS files to ESRI Terrain data as a fundamental step toward deriving subsequent bare earth terrain products. Developing the data in this manner will significantly enhance the delivery of data to the Customer and provide maximum flexibility for future use, updates, and edits. **Standard Hydrographic Breaklines (described below) will be incorporated into all terrain deliverables.** Additional breaklines may be developed and incorporated into the terrain at any time.

#### Digital Elevation Models (DEMs)

The standard DEM deliverable will be assumed to have a 10-foot grid cell size unless otherwise specified by the customer. Pictometry will also develop a Hillshade from the DEM for visualization and cartographic mapping purposes.

#### Standard Hydrographic Breaklines

Breaklines are linear features that describe a change in the smoothness or continuity of a surface. As part of the baseline effort to create a DEM, Pictometry will develop limited 3D breaklines for water feature boundaries and wide rivers and incorporate those into the ESRI Terrain data prior to generating any derived products. Hydrographic breaklines will be delineated using the LiDAR data with elevation values assigned from the LiDAR data, using best available aerial photography and the National Hydrography Dataset (NHD) as references.

Water bodies will be defined for the purposes of this task as being larger than 5m across, or greater than one (1) acre. Breaklines delineating the edge of water will be created for all such water bodies. Breaklines will not be developed for streams less than 5m across, also referred to in NHD as 'single line streams'.

The standard for water bodies in the USGS Specification is 100ft and two (2) acres respectively. 'Hydro-flattening', as defined in the USGS Specification, will be completed at a minimum on all water bodies meeting the USGS definition. This task is intended to meet or exceed the requirements for 'Hydro-flattening' in the USGS Specification.

For flat and level water bodies (ponds, lakes), a single elevation value will be assigned to the entire polygon and/or to every bank vertex. The entire water surface edge will be at or just below the immediately surrounding terrain. For streams and rivers, breaklines indicating flat and level bank-to-bank conditions (perpendicular to the apparent flow centerline) will be created, with the gradient along the bank to follow the immediately surrounding terrain. Monotonicity will be enforced on breaklines meeting the USGS Specification. Stream and river breaklines delineating the edge of water will stop at road crossings (i.e., culvert locations).



Bare earth LiDAR points that are within the design Nominal Point Spacing (NPS) of a breakline will be re-classified as 'Ignored Ground' once the breaklines have been completed. The design NPS of a LiDAR collection is typically between 1 and 2 meters, but may be greater or less depending on the collection specifications of the project.

The identification and prioritization of additional breaklines beyond those minimally described here represents a wide range of expectations and detail depending on specific project/customer needs and intended uses. Most customized uses of breaklines are appropriate for project specific purposes, such as hydraulic modeling, construction site design or transportation engineering. As such, additional breakline development options are offered below. Additional detailed breaklines can be developed and incorporated into the terrain data at any time.

#### **Deliverables:**

Collection-wide point data (bare earth only) in ESRI multi-point format  
 Collection-wide Terrain Data Model (bare earth) in ArcGIS TERRAIN format  
 Collection-wide Digital Elevation Model (bare earth) in ArcGIS GRID format  
 Collection-wide polyline files in ESRI Polyline Feature Class format  
 Collection-wide Hillshade of the Bare earth DEM in ArcGIS format

#### **Contours**

The range of available algorithms can result in significant differences in cartographic output quality for the generation of topographic contours. Some methods more accurately represent the point data, but result in a more angular and less cartographically pleasing output. Other methods will smooth the data to varying degrees but produce a much higher quality cartographic output. The customer will be given options, based on demo data, for having their collection area contours created from smoothed data or not-smoothed data.

This task will result in vector (line) data and as such, tiling the data will be required because the vector files can be quite large. The output tiling scheme will correspond to the LiDAR tiles unless the customer requests a different tiling scheme in advance. Final tiled vector data will be seamless and free of edge effects. Pictometry will establish elevation attributes to each contour line and identify 10, 20, and 50 ft. index contours unless otherwise specified by the Customer.

#### **Deliverables:**

Tiled 1-foot or 2-foot\* contour files in ESRI Polyline Feature Class format. (\*NOTE: Contours will be created at maximum resolution supported by the collection as specified in Section A.)

#### **DSM (Reflective Surface)**

Pictometry will convert the data contained in the LAS files to a raster based Digital Surface Model (DSM) representing a 'first surface' detected by the sensor. This first surface is represented by both bare ground in open terrain, as well as the tops of trees and buildings in areas with significant non-ground features. The elevation value of each cell in the raster dataset will represent the highest elevation value of points that fall within that cell. This surface model will not include the development or use of additional breaklines beyond that which are included with the bare earth data. Included with each DSM will be a Hillshade for visualization and cartographic purposes.

Pictometry will also calculate and deliver a 'normalized' Digital Surface Model (nDSM) where the elevation value of each cell represents the height above ground of the highest point within that cell. For both surface models, cells with no points will be interpolated based on the averaged values of nearby cells (nearest neighbor).

Pictometry recommends including some cautionary language to all potential users of DSM data due to some of the unique characteristics of such a dataset. In some areas, a first surface model will result in objects that appear to contain a solid volume, so caution should be used when interpreting the data. Pictometry does not recommend the use of image draping on first surface DSM models as the image stretching can be aesthetically undesirable.

#### **Deliverable:**

Collection-wide DSM and nDSM in ArcGIS GRID format with 10 foot grid cell size unless otherwise specified by the Customer.

### Essentials Neighborhood deliverables

Product	Essentials Neighborhood
<b>Orthomosaic Specifications</b>	<ul style="list-style-type: none"> <li>Resolution at 6in GSD</li> <li>Typical Positional Horizontal Accuracy: 1m at a 95% confidence level</li> <li>Fully automated photogrammetric orthomosaic. Imagery may contain seamlines</li> <li>Project-wide color and contrast balancing</li> </ul>
<b>Metadata and Reporting</b>	Metadata: <ul style="list-style-type: none"> <li>Metadata generated that meets FGDC Standards upon request</li> <li>Shapefile(s) with discrete deliverable boundaries and directional metadata</li> </ul>
<b>Orthomosaic Deliverable Format (Online)</b>	Resolution: <ul style="list-style-type: none"> <li>Resolution at 6in GSD</li> </ul> Access Methods: <ul style="list-style-type: none"> <li>Available via web-based viewer (Connect) - Contracted separately</li> <li>Also available via WMS/WMTS (Image Service) - Contracted separately</li> </ul>
<b>Orthomosaic Deliverable Format (Physical)</b>	Resolution: <ul style="list-style-type: none"> <li>Resolution at 6in GSD</li> </ul>

	<p>Projection/Coordinate System:</p> <ul style="list-style-type: none"><li>• Customer Selectable</li></ul> <p>Datum:</p> <ul style="list-style-type: none"><li>• Customer Selectable</li></ul> <p>File Format:</p> <ul style="list-style-type: none"><li>• Mosaic Tiles<ul style="list-style-type: none"><li>○ Available as JPEG, GeoTIFF, JPEG2000, PNG, ECW, MrSID (All versions) with world file</li><li>○ Includes separate Pictometry Map Image (PMI) trailer file</li></ul></li><li>• Project-Wide Mosaic<ul style="list-style-type: none"><li>○ Available in ECW, MrSID (All versions) format</li></ul></li></ul>
<b>Delivery Timeline</b>	<ul style="list-style-type: none"><li>• Best efforts to make ortho imagery available online and/or ready for physical delivery within 30 days of capture completion</li></ul>

## MAP(S)

