Statement of Work for Aerial Orthophotography and Oblique Imagery

1.) General
- This request for bid is for the purpose of acquiring aerial orthophotography and oblique images for the entirety of Caldwell County Texas
- The aerial photography shall be captured in the late winter until March 15, 2026 The imagery will be delivered in ecw, geotiff, tiff, etc. compressed file format
- The aerial imagery must be geo-referenced to the Texas State Plane Coordinate System NAD83 adjusted horizontal and NAVD88 vertical data
- List the resolution specifications of the orthophoto and oblique imagery that your firm provides

2.) Oblique Imagery
- Provide metric color oblique aerial orthophotography of approximately 545.3 sq. mile of area
- Images must be captured from a north, south, east and west direction to provide a 360 degree view of every property
- Each pixel of an image must be geo-referenced
- Oblique images will meet the same horizontal and vertical accuracy that is in the source data used in processing them, i.e. Orthophoto, DEM (Digital Elevation Model)
- Provide oblique imagery from which measurements can be directly taken on a computer screen
- Images should be captured simultaneously with the orthogonal imagery
- The imagery must be compatible with ArcGIS for any derived datasets or application extensions enabling images to be viewed in ArcGIS
- The digital oblique photography must be delivered with software tools that allow for cataloguing, extracting, viewing, measuring and analyzing said photography
- The oblique aerial imagery must be geo-referenced to the i.e. Texas State Plane Coordinate System based on the NAD83 adjusted horizontal and NAVD88 vertical data
- Oblique imagery must be georeferenced in such a way that allows for the overlay of GIS data

3.) Orthophotography Imagery
- Imagery must be provided to the Appraisal District before March 31, 2026
- Provide color digital aerial orthophotography of the entire area of Caldwell County
- Images must provide a true top-down view that is rectified to align to a map grid and must be easily integrated into a GIS database and use
- Pixel resolution of no greater than 3 inch or 9 inch. The Vendor may resample from a smaller pixel resolution to achieve desired resolution, but Vendor may not resample from a larger pixel resolution to achieve desired resolution
- Rectification shall seek to minimize feature displacement and loss of features along mosaic lines

4.) Image Viewing Software
- Imagery must be viewable online for, county and municipal planers and first responders
- Imagery must seamlessly integrate into the existing Appraisal District Computer Aided Mass Appraisal (CAMA) Software
- Vendor should describe the software that it provides for viewing of oblique and orthogonal images
- Image tools shall include:
  - Measuring tools-vertical, horizontal and area, height, bearing, pitch, elevation, location, and identify (to analyze information contained in uploaded GIS data)
  - Change analysis
  - Cloud solutions
  - Overlaying GIS data
  - Annual maintenance cost

5.) Flight Conditions

- Oblique aerial photography shall be completed during the late winter until March 1, 2026, in 30% or less leaf cover conditions. Oblique and orthogonal photography shall be acquired when the ground is not obscured by snow, ice, clouds or fog, and the atmosphere is free of haze, smoke and dust.

6.) Quality Assurance/Quality Control
- Respondents are expected to identify all levels of their quality assurance and quality control procedures that will be employed in evaluating and processing the imagery

7.) Web-based Company Portal
- Vendor must provide a Vendor-hosted web company portal application that stores Caldwell County's image library, provides its users the ability to access and view the imagery, and aids in dissemination of the images
- List any mobile options for viewing your imagery

8.) Delivery
- The distribution of products, such as oblique imagery, and supporting data, shall be the responsibility of the contractor. The contractor will provide separate USB hard drives what will be used to transfer deliverables and will become a part of the final delivery

9.) Disaster Re-Flight
- Describe the type of disaster coverage your company provides, describing the applicable disaster types
- Provide the maximum coverage area that would fall under a disaster re-flight
- Provide the time period during and after that this service will be available to the Caldwell County Appraisal District

10.) Integrations
- Vendor's imagery and software must be compatible with Caldwell County Appraisal District's CAMA software systems (PACS by True Automation)

11.) Other Technical Considerations
- Describe any other technical detail critical to the successful acquisition and processing of oblique imagery

12.) Technical Support
- The vendor shall provide technical support for the delivered products for the duration of the contract. Technical support shall be onsite, by phone or web-based

13.) Training
- Please provide a complete explanation of training (on-site as well as on-line) provided in the costs of your bid
- Include, from past experiences, the estimated amount of time required for training for end users of your product(s) as well as technical training for IT and GIS Department employees
- This should include the approximate man-hours for training for each group

14.) Experience
Please provide a response to each of the following questions:
- Include a detailed project description for up to three relevant, successfully delivered projects that demonstrates the same technical experience with similar clients, and/or local project experience in the United States. Products should include the simultaneous capture of both orthophotography and oblique digital imagery and the delivery of navigation and measurement

software. Note the following details: customer name, address, contact person, title, phone number, and
- Describe the number of years your company has been in the aerial imagery business
- Describe your annual revenues
- Include a corporate profile

15.)Insurance

Vendor, at its own expense, shall maintain sufficient liability insurance against claims or lawsuits which result from the actions of Service Provider or its employees or agents