

## CALL FOR PROPOSALS

### INSTRUCTIONS AND SPECIFICATIONS FOR “DIGITAL ORTHOPHOTOGRAPHY”

November 16, 2020

Region 1 Planning Council (RPC), located at 127 N. Wyman St. 1st Floor, Rockford, Illinois 61101 will receive sealed proposals until 4:00 p.m., Friday, December 18, 2020.

RPC reserves the right to accept or reject any and all proposals or to waive technicalities, or to accept any item of any proposal. Information is available from the Purchasing Department of the Region 1 Planning Council, 127 N. Wyman St. First Floor, Rockford, Illinois 61101. E-Mail [jhalsted@r1planning.org](mailto:jhalsted@r1planning.org).

The documents constituting component parts of the Proposal Form are the following:

- I Call for Proposals
- II Requirements for Bidding and Instructions to Bidders
- III Information Sheet
- IV Detailed Specifications
- V Proposal Forms
- VI Proposal Evaluation

Legal Advertisement for Proposals published on our website, [www.r1planning.org](http://www.r1planning.org) on November 16, 2020.

### INFORMATION SHEET

RPC is requesting proposals as the lead agency of a regional group of eight public agencies known as WinGIS.

The purpose of this proposal is to create a high-quality digital color ortho imagery for WinGIS. The bidder shall furnish all materials, supervision, labor, equipment and transportation. The successful bidder shall execute and complete all work required conforming to these detailed specifications.

The successful bidder will meet or exceed all of the specifications outlined in the detailed specifications. Any deviations must be noted and it will be WinGIS’ sole decision if any deviations meet or exceed the detailed specifications.

Bidders must provide one original and eight copies of the proposal in a sealed package to this address:

Region 1 Planning Council  
127 N. Wyman St. First Floor  
Rockford, IL 61101

Bidders will need to provide the following information along with pricing:

1. Company background on the bidder and any subcontractors utilized for this project. Include years in business, firm’s name, address, phone number, location of the office or offices that would provide the project services and what services they will be performing.
2. Staff qualifications assigned to this project, including subcontractors.

3. Similar project experiences. Provide at least three references for similar projects to include name, address, telephone number, and contact person.
4. An indication of the firm's licensing to do business in the State of Illinois.

## **DETAILED SPECIFICATIONS**

### **PRODUCTS**

- Digital Color Orthophotography imagery.
- The three areas should all be listed as separate line items.

### **GEOGRAPHIC AREA**

- The project will include two separately priced areas:
  1. Winnebago County, IL; an area of approximately 514 square miles
  2. Along the entirety of the border of Winnebago County, IL, the western-most 1.5 miles of Boone County, IL and 1.5 miles of Ogle County, IL that borders the southern-most border of Winnebago County; an area of approximately 54 square miles (See included image).

### **PROJECTION UNITS**

- All digital products will be delivered in the NAD 1983 State Plane Illinois West FIPS 1202 in US Survey feet.

### **COLLECTION METHOD**

- Direct digital capture.
- The contractor will employ airborne GPS.
- WinGIS can provide a shapefile of the project area.

### **GROUND SAMPLE DISTANCE**

- Pixel resolution imagery will be obtained at approximately one half (0.5) foot pixel resolution on the ground (GSD).

### **POSITIONAL ACCURACY**

- The orthophotography images must meet National Map Accuracy Standards for positional accuracy of 1" = 100'
- WinGIS will supply Contours and DEM data created from our 2007 LIDAR.
- The existing ground control network in Winnebago County will also be used.
- WinGIS has 127 ground control monuments.
- WinGIS has contours from 2007 that were derived from a Lidar project in 2006.

### **SEPERATELY PRICED OPTIONS FOR:**

- Planimetrics (Broken out by entire area vs. City of Rockford only)  
(Sheds, Pools, Decks/Patios, Sidewalks, Driveways, Parking Lots, Pavement Edge, Recreational Areas, Building footprints, Street Pavement, Islands in ROW)
- Pixel resolution imagery will be obtained at approximately one quarter (0.25) foot pixel resolution on the ground (GSD).
- 2021 LIDAR from which to create new contours.

## **COLLECTION WINDOW**

- Preferably, early Spring 2021, prior to onset of spring vegetation. Sun Angle to be not less than 30 degrees.

## **FLYING CONDITIONS**

- No haze, fog, dust, smoke, or floodwaters; Streams must be within normal banks; No objectionable shadows caused by relief.

## **IMAGE QUALITY**

- Clear and sharp in detail;
- Less than 5% cloud cover on any single photograph/image;
- There should be no snow cover on an image unless nearing the end of the "data capture window" and snow still present. The vendor must then contact WinGIS immediately to determine if acceptable to proceed with data capture.
- No defects such as out-of-focus images;
- No "image smear" or "stretched" area on images;
- No "warped" bridges, viaducts or roads;
- No inconsistencies in tone and density between adjacent orthos;

## **FILE FORMATS**

- TIFF (Tagged Information File Format) with associated TIFF World Files. Must not be a compressed TIFF.
- All georeferencing information shall be contained in the separate, but associated World Files.
- A seamless MrSID/ECW mosaic of the entire area will also be provided.
- All image files must be readable within the current versions of ESRI's ArcGIS software.

## **METADATA**

- The contractor shall provide metadata compiled to the current standard endorsed by the Federal Geographic Data Committee (FGDC) for each of the data deliverables.

## **IMAGE TILING**

- Tiling grid schema will not exceed 2500' x 2500' per individual grid cell.
- The vendor shall include an ESRI shapefile or file geodatabase of the grid, which indexes the individual image tiles.

## **DELIVERY MEDIUM**

- The digital images will be delivered on external hard drive(s) and or provided via a cloud based subscription service.

## **VALUE ADDED (optional)**

- Please list and describe any additional value-added features or services that are offered at no cost. Are there any other value-added features available at a negotiable cost that may benefit the buyer. Describe all value-added services and features.

## PROPOSAL FORM

### PRICING:

Winnebago County Boundaries \$ \_\_\_\_\_

Winnebago County Boundaries &  
1.5 Miles of Boone & Ogle Counties \$ \_\_\_\_\_

MrSID/ECW \$ \_\_\_\_\_

Planimetrics (Area-Wide) \$ \_\_\_\_\_

Planimetrics (City of Rockford) \$ \_\_\_\_\_

3” Resolution \$ \_\_\_\_\_

Lidar \$ \_\_\_\_\_

## PROPOSAL EVALUATION

Criteria	Weight
Ability of vendor to provide services according to specifications, based on proposal responses.	35
Reference projects of similar scope, scale and complexity.	20
Qualifications of personnel assigned to project, and their demonstrated ability to complete a project of this scope, scale, and complexity.	30
Cost-effectiveness of proposed pricing	15
Value added services (bonus)	15

**Maximum total score is 100 points with an additional score of 15 optional points.**