



Date: November 18, 2020 (Amended 11/19/2020; Amended 12/4/2020)

To: Prospective Respondents to RFP 20201116: Digital Orthophotography

From: Julia Halsted, Designated Contact

Re: Pre-Response Questions and Agency Response

Consistent with RFP 20201116: Digital Orthophotography, all questions, pertaining to the solicitation were required to be submitted in writing to the Designated Contact. Questions and responses are hereby posted as an amendment to the solicitation. Respondents are responsible for monitoring for updates through the deadline for Agency response to questions.

1. **For the optional lidar-derived contours, do you want QL2 lidar (2 ppsm) or QL1 lidar (8 ppsm)? Or some other specifications? See next question/answer...**
2. **What contour interval is the RPC interested in? QL2 lidar can best support 2' contours, while QL1 lidar can best support 1' contours. We currently have 2' which suits our needs so QL2 would suffice. But would be interested to know what the price difference between the 2 is.**
3. **For the optional planimetric features, is there existing data that we would be updating, or would this be new collection? If there is existing data, could you provide the data layer for us to assess? New.**
4. **In regards to setting targets were meaning the ground control panels, will WinGIS set these or is the selected vendor responsible for setting and removing the panel material? The vendor.**
5. **Platform Architectural Requirements**
 - a. Is there a preferred technical platform for development? i. Do you have an existing development framework (e.g. microservices/API)? **Esri JavaScript API.**
 - ii. Do you have existing 3rd party service providers for connecting the application? **No.**
 - iii. If so, does the existing platform include Security? **n/a.**
 - b. Are there any specific software development tools that are preferred (e.g., JAVA, Python, .NET, etc.)? **We currently use .Net and JavaScript.**
 - c. Are there any preferred deployment framework containers (e.g., Azure, AWS or other DevOps with CI/CD, etc.)? **No.**
 - d. Are there eCommerce requirements for payment transactions (e.g., subscriptions, services, etc.)?
 - i. Are there any O2C (Order to Cash) requirements?

ii. If so, what specific types of payments types/methods do you plan to accept (e.g., cards, cash, checks, etc.)?

We use web pages built with Asp.Net and JavaScript and use Ersi's rest API to bring in our web services, including the aerial base map we create with the images delivered to us. There are no eCommerce requirements. **We are not seeking a web based solution or any software development. We are simply seeking aerial photography to use as a base map for our already existing applications.**

6. Security Requirements

a. Where will the application reside (e.g., behind the RPC firewall, other firewall, etc.)?

i. Do you have any Network Intrusion Detection and Prevention systems deployed (e.g., Barracuda, Cisco, IBM, etc.)?

The aerial imagery will appear to those on our local network who use ArcMap, but additionally will appear on both internal and external web applications.

b. Will the application contain any Sensitive Personally Identifiable Information (e.g., PII, PHI, PCI etc.)?

i. Will this solution have any PCI DSS (Payment Card Industry – Data Security Standard v3.1) requirements? **No**

d. Are there any FedRAMP, FISMA compliance requirements considered? **No**

e. Do you have any existing Web Application Firewalls to prevent SQL injections, cross-site scripting (XSS) and to block malicious HTTP/S traffic to cloud web applications? **Our IT provider does employ a firewall and all of our web services reside behind it. A public facing server with a web adaptor looks back to grab the data and display it. We don't use Cloud based web applications, with the exception of a couple of maps on ArcGIS Online. Those maps are read only, using map services not feature services, and are therefore, not editable.**

e. Does this new web application require customer and service provider access management? i. Do you have any existing IAM (Identity Access Management) solutions (e.g. Active Directory, Okta, etc.)? **We have a SQL Server database with a table containing our membership information and their credentials**

3. Database Requirements

a. Are there specific database tools that are preferred by the RPC?

b. Does the RPC have any existing relationships/contracts with database vendors (e.g., Microsoft, Oracle, Informatica, etc.)? **We have an enterprise level MS SQL Server Database.**

4. Solution Specifications

a. Have solution specifications and/or requirements been developed?

b. If so, are these requirements documented? **We have created a number of custom applications that are used by our internal agencies for a wide variety of tasks that both include viewing and editing data. As stated above: We are not seeking a web based solution or any software development. We are simply seeking aerial photography to use as a base map for our already existing applications.**

5. Integration Requirements

- a. Will this solution need to integrate with any other RPC systems?
- b. If so, please describe the high-level integration requirements (e.g., source/system, frequency, type of data, etc.)
- c. Will this solution need to integrate with any other 3rd party service providers or solutions?

See above.

6. User Requirements

- a. How many end-users do you anticipate initially?
- b. For how many end-users does the application potentially need to scale?

Same as above. We are not seeking a solution with named users. We internal and external websites that receive thousands of views on a daily basis. We are looking for aerial photography to use for our base maps, either housed on premise or via url (For example, Esri provides free use of their base maps via a rest endpoint)

7. Timeline

- a. The RFP indicates a 1-year timeframe. Are there operational requirements that factor into this these timeline requirements? No

8. Reporting Requirements

- a. Are there specific reporting tools that are preferred by the RPC? No
- b. Does the RPC have licenses for existing reporting tools that can be leveraged for this solution? We have multiple Arc licenses (Basic, Advanced, Network Analyst) from Esri if that answers your question

9. Data Conversion

- a. Is there a need to convert any existing data? No
- b. If so, please describe the database sources/systems (e.g., Excel, MS SQL, etc.)
n/a
- c. What is the volume of data (including the number of years)?
n/a

Issued 11/19/2020:

1. Are the optional contours 1' or 2'? Can we get a sample of the existing (2006) contours?
We have 2 and 10ft. A screen shot from our website displaying the contours is included in the downloadable zip with Additional Materials (<https://agis.wingis.org/RFP.aspx>).
2. Does [WinGIS] have a preferred or required completion date for the base project?

There is not date, but the RFP is specific about the preferred time frame for the flight (early spring, no clouds, no snow on the ground and no leaves on trees). That usually puts delivery of the product to us by early fall.

3. For the planimetrics option, does [WinGIS] have existing planimetrics which can be updated or is the option for all newly produced mapping?

No

4. The shapefile that we received only contained the County and buffer. Can you please resend with the corporate limits or direct us to a download location?

Yes. Additional materials can be downloaded here: <https://agis.wingis.org/RFP.aspx>

5. We are inquiring if the Region 1 Planning Council or the County will be setting the targets or the contracted company is responsible for setting the targets?

The orthophoto company is responsible for setting the targets. They place them in advance. They set them with high accuracy GPS on the targets.

6. We would like to clarify the payment terms of this project upon award. We understand that you stated no incremental billing is allowed, does that indicate that this project will be required to be invoiced all at one time upon completion of all deliverables? The question stems from the fact that the acquisition will be completed early in the project, followed by the orthophotography delivery, and if planimetrics are selected as an option they will take a significant time longer depending on if the entire county or if only the City of Rockford is selected for that line item.

We have, in the past, paid for the service/product prior to receiving all of the deliverables. We don't mind paying in full prior to the project's full completion so long as we have a signed contract stating what is being provided.

Issued 11/18/2020:

1. Can a shapefile of the project area to include the corporate limits be provided?

It is included in the zip file

2. Can a shapefile of the existing ground control monuments be provided?

~~No, but we do have all of their coordinates listed on our website.~~ *Amendment: a shape file with the control monuments has been located. It will be included in the zip file containing the City of Rockford city limits*

- a. When was the last time the existing ground control (monuments) were used?

They are used whenever a surveyor submits a Reference Tie Form (for platting or re-platting a subdivision). The most recent was earlier this month.

- b. Do all ground control monuments still exist?

We just did an Inventory and a few are missing

- c. **Do all existing ground control monuments have a marker or identified above ground?**

Yes

3. **Will the previous orthos be provided along with the County provided DEM?**

No

4. **Is the planimetric mapping updating existing or is this new mapping from scratch?**

From scratch

- a. **If existing, what format is the planimetric mapping in now? Do buildings have elevations attached?**

Please clarify question

5. **Will the [WinGIS] be responsible for targeting the existing ground control or will the contractor be responsible?**

- a. **If the [WinGIS] will not target the ground control, does the [WinGIS] have a preferred surveyor?**

Please clarify question

6. **Will a list of features to be included with the planimetric mapping be provided?**

They are listed in the RFP: Sheds, Pools, Decks/Patios, Sidewalks, Driveways, Parking Lots, Pavement Edge, Recreational Areas, Building footprints, Street Pavement, Islands in ROW

7. **What scale of mapping is desired for the planimetrics?**

Same scale as the Ortho Photography

8. **Is milestone or incremental billing allowed based on a percentage of work completed to date? i.e., after flight, orthophoto production, planimetric mapping?**

No