



STATE OF INDIANA

REQUEST FOR INFORMATION 20-004

INDIANA DEPARTMENT OF ADMINISTRATION

**ON BEHALF OF THE
INDIANA OFFICE OF TECHNOLOGY
GEOGRAPHIC INFORMATION OFFICE**

SOLICITATION FOR:

2020-2023 INDIANA STATEWIDE ORTHOIMAGERY PROGRAM

**RESPONSE DUE DATE:
JUNE 10, 2019**

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REQUEST FOR INFORMATION 20-004

INTRODUCTION

This is a Request for Information (RFI) issued by the Indiana Department of Administration (IDOA) on behalf of the Indiana Office of Technology (IOT) Geographic Information Office (GIO) regarding the 2020-2023 Indiana Statewide Orthoimagery Program.

It is the intent of IDOA to solicit responses to this Request for Information in accordance with the specifications contained in this document and associated attachments. Neither this RFI nor any response (proposal) submitted hereto is to be construed as a legal offer.

THE STATE MAY ELECT TO LIMIT PARTICIPATION IN ANY FUTURE COMPETITIVE SOLICITATION TO VENDORS THAT RESPOND TO THIS RFI.

BACKGROUND AND OBJECTIVE OF THE RFI

Background

The Indiana Geographic Information System (GIS) community is governed by Indiana state statute that assigns responsibilities and duties to the Indiana GIO. Indiana Code 4-23-7.3, established in 2007 states that the Indiana Geographic Information Officer shall do the following:

- Facilitate GIS data cooperation between units of the federal, state, and local governments.
- Integrate GIS data and framework data developed and maintained by state agencies and political subdivisions into the statewide base map.
- Develop and maintain statewide framework data layers associated with a statewide base map or electronic map.
- Provide public access to GIS data and framework data in locations throughout Indiana.
- Serve as Geographic Information Officer for state agencies.

The mission of the Geographic Information Office is to facilitate the development, maintenance, distribution, and use of comprehensive statewide geographic data and geospatial technology to empower governments, universities, businesses and the general public to address issues affecting the Indiana's physical, economic, and social well-being.

GIS Framework Data Layers

GIS framework data consists of the foundational data layers developed and maintained by different units of federal, state, and local governments into statewide coverages commonly used by many different GIS applications and users. Indiana's standard framework data layers include Geodetic control, PLSS, Governmental boundary units, Streets, Cadastre, Addresses, Elevation, Hydrography, and Orthoimagery. Orthoimagery is widely used as a base map (basic geographic reference) for many mapping applications.

Values

The following values will guide decisions about GIS in Indiana:

- Geographic information is a state asset. Framework data, in particular, should be seamless across the state, current, accurate, and freely and conveniently accessible.
- Data, as one of the few things in life that increase in value the more they are used, should be created once, maintained as necessary, and used many times.
- Business and social purposes should drive IndianaMap development.
- All levels of government – federal, state, county, and city – as well as universities, and the private sector should be collaboratively involved in planning, creating, distributing, funding, and maintaining Indiana GIS data and tools.

- GIS data should be freely accessible, while ensuring that personal privacy and confidentiality is protected and maintained as defined by federal and state law

Orthoimagery Program Supports Indiana Next Level Pillars

Indiana Governor Eric Holcomb’s pillars for the State’s future are well supported with orthoimagery data. Orthoimagery is the starting point for many other GIS data layers. Its uses include, Agriculture, Public Health and Safety, Natural Resources, Economic Development, Transportation, Education, Recreation and Local and State Government. The goal for the 2020-2023 program is to migrate the statewide imagery from a one-time project to a dependable, repeatable program. That program, by being reliable, timely and expert driven, will support the State’s programs to:

- Cultivate a strong and diverse economy.
- Maintain and build the state’s infrastructure.
- Develop a 21st Century skilled and ready workforce.
- Deliver great government service.

Orthoimagery Program History

Since 2005, the State of Indiana has initiated three separate projects to collect statewide digital orthoimagery. These projects occurred in 2005-2006, 2011-2013, and 2016-2019 and each delivered accurate, high resolution (1-foot pixel or better), leaf-off, 4-band orthoimagery for the State of Indiana.

The last two acquisition projects each occurred over a three year period capturing approximately one-third of the state each year, as shown on the map:

The objectives for each project included:

- The creation of a seamless statewide orthoimagery data set using a uniform specification to provide the highest level of utility for state and local governments, research communities, and the public sector.
- Optimizing the deliverables to serve county and city partners by packaging and delivering the tile-based images by county.
- Recognition of the importance of city and county partnerships to the funding of add-ons and buy-ups, and the overall success of the program.
- Offering ancillary services such as Lidar collection, contour generation, impervious surface creation, oblique imagery, etc. as “add-on” services to the state and to our local government partners.
- Working with a successful contractor to promote and support the project to all potential partners, including state and local governments.
- Inviting attractive contractor pricing by committing to nearly 40,000 square miles of capture area over a three year period. We also recognize that pricing has decreased with each project.
- Inviting innovative ideas by creating a Request for Proposal (RFP) that focuses on end product rather than the processes to achieve the end product.
- All products resulting from the project have been considered to be in the “public domain”.
- All products were tested and certified to meet National Standard for Spatial Data Accuracy (NSSDA) specifications.
- All resulting products distributed to partners and made freely available to the public.
- All products included Federal Geographic Data Committee (FGDC) compliant metadata.



- Employing the photogrammetry group of the Indiana Department of Transportation to provide a quality review via vendor provided web-based QA/QC tools.

Additional Objectives of the Project

We wish to continue achieving the objectives listed in the history section above with the following changes and additions:

- Move to a stand-alone, one-time orthoimagery project into a repeating 4-year orthoimagery program **cycle** with statewide base product acquisitions scheduled in years 1-3, and program maintenance and product development/enhancements scheduled in year 4.
- Supplement the statewide acquisition timeline and products to satisfy Indiana’s imagery needs. For example, a county may choose to purchase satellite imagery for the years the state-provide base product is not available.
- Produce an agreement that is flexible in terms of frequency of acquisition, delivery and types of products (airborne imagery, satellite imagery, Lidar, contours, etc.).
- Improve the previous data distribution solutions (upload and download) to allow for;
 - Upload of the 2016-2019 statewide orthoimagery data and related products to a hosting site,
 - Incremental upload of new orthoimagery and related products by county or by project acquisition year to a hosting site,
 - Expedited access to initial (preliminary/prefinal) viewing services of data products for all partners,
 - On-demand reliable Countywide final product data downloads for partners and public,
 - On-demand Area of Interest (AOI) Clip/Zip/Ship data download to public (for-free, or for-fee),
 - On-demand advanced imagery viewing, geoprocessing and remote sensing services, and
 - Support of multiple file format and projection delivery options.
- Explore innovative technologies and hybrid solutions to:
 - Improve the photogrammetric processing workflow
 - Increase the frequency of acquisition
 - Increase the resolution and accuracy of the imagery
 - Increase the number of imagery bands, and
 - AI / Machine-Learning, and Automated feature extraction.
- Provide innovative cost savings/sharing solutions and licensing vs ownership options to achieve required base products.
- Provide solutions that makes the data usable in desktop, web and mobile environments.

PURPOSE

The purpose of this RFI is to obtain information to support a future RFP to satisfy the State’s need for color digital orthoimagery, ancillary products and distribution services. It is the intent of Indiana GIO to use the RFI to better inform our program to obtain digital orthoimagery for the entire state of Indiana, and such optional elements and related products needed to facilitate state, regional and local government GIS basemap development for homeland security, flood, transportation, and economic development mapping, and to otherwise support the IndianaMap and the Geographic Information Office. Furthermore, the goal of this RFI is to gather general information and pricing for the development of a potential future RFP.

RESPONSE FORMAT AND ATTACHMENTS

Respondents should submit responses to the RFI, utilizing **Attachment A**, describing how they will meet the specific requirements of this RFI and the deliverables included within. All narrative responses must be provided

to the State in Microsoft Word format. Respondents must structure their response according to the sections outlined below to facilitate the State’s review of the responses.

If you would like to provide a response/feedback to this RFI for a potential RFP for IOT, you must provide your response to State as shown in the RFI Timeline and Response Submission section below.

RFI TIMELINE

The following timeline is only an illustration of this RFI process. The dates associated with each step are not to be considered binding.

Anticipated RFI Dates:

Activity	Date
Issuance of RFI	May 8, 2019
Deadline to Submit Written Questions (3:00PM Eastern Time)	May 22, 2019
Response to Written Questions/RFI Amendments	June 3, 2019
Due Date for Submissions	June 10, 2019

QUESTION / INQUIRY PROCESS

All questions/inquiries in regards to RFI 20-004 must be submitted in writing via email using **Attachment B, Questions and Answers Template**, by the deadline of **May 22, 2019 by 3:00PM ET** to JHelmer@idoa.IN.gov. The email subject line should contain the following phrase:

“REQUEST FOR INFORMATION 20-004, QUESTION AND INQUIRIES.”

Following the question/inquiry due date, IDOA will compile a list of the questions/inquiries submitted by all Respondents. The responses will be posted to the IDOA website as soon as possible. Only answers posted on the IDOA website will be considered official and valid by the State. No Respondent shall rely upon, take any action, or make any decision based upon any verbal communication with any State employee.

Please note that John E. Helmer IV is the State’s single point of contact for this RFI. **Inquiries are not to be directed to any other staff member of IOT.** Such action may disqualify respondent from further consideration in this RFI and any subsequent RFP process.

If it becomes necessary to revise any part of this RFI, or if additional information is necessary for a clearer interpretation of provisions of this RFI prior to the due date for submissions, an addendum will be posted on the IDOA website.

CLARIFICATIONS AND DISCUSSIONS

The State reserves the right to request clarifications on information submitted to the State. The State also reserves the right to conduct discussions, either oral or written, with the Respondents. These discussions could include requests for additional information, requests for cost information or technical requirements response attachment revision, etc. Additionally, in conducting discussions, the State may use information derived from the responses submitted by competing Respondents only if the identity of the Respondent providing the information is not disclosed to others. The State will provide equivalent information to all Respondents which have been chosen for discussions.

The Procurement Division will schedule all discussions. Any information gathered through oral discussions must be confirmed in writing.

CONFIDENTIALITY

It is important to note that all information submitted in Respondent's proposals to this RFI will be kept confidential and will not be made available to the public unless this RFI does not result in the release of a solicitation at a later date. If a solicitation results from this RFI, then the information contained in the proposal submissions for this RFI must be made available to the public once the resulting solicitation has been awarded and the protest period has ended.

Respondents are advised that materials contained in proposals are subject to the Access to Public Records Act (APRA), IC 5-14-3 et seq., and, after award, the entire solicitation file may be viewed and copied by any member of the public, including news agencies and competitors.

Please note citing "Confidential" on an entire section is not sufficient. The Public Access Counselor (PAC) provides guidance on APRA. Respondents are encouraged to read guidance from the PAC on this topic as this is the guidance IDOA follows:

- 18-INF-06; Redaction of Public Procurement Documents Informal Inquiry

Respondents claiming a statutory exception to the APRA must indicate so on a separate attachment labeled "**Confidential Documentation Listing**". That document should include the following information:

- List all documents where claiming a statutory exemption to the APRA;
- Specify which statutory exception of APRA that applies for each document;
- Provide a description explaining the manner in which the statutory exception to the APRA applies for each document.

When claiming confidential information, respondents should submit two versions of their response:

- 1) A confidential version (for the State's review and evaluation)
 - a. Confidential Information must be clearly marked in a separate folder.
- 2) A redacted version (for public records requests)

If the Respondent does not identify the statutory exception, the Procurement Division will not consider the submission confidential. The State also reserves the right to seek the opinion of the PAC for guidance if the State has doubts the cited exception is applicable.

Prices are **NOT** confidential information.

RESPONSE SUBMISSION INSTRUCTIONS

Firms interested in providing information to IDOA should submit responses via email to JHelmer@idoa.IN.gov. All responses must be received no later than **June 10, 2019 by 3:00PM ET**. The subject line of the email submission must clearly state the following:

"RESPONSE TO REQUEST FOR INFORMATION 20-004"

Any information received after the due date and time may not be considered.

No more than one proposal per Respondent may be submitted.

Templates outlined in this document should be returned in their native file format.

The State accepts no obligations for costs incurred by Respondents in anticipation of being awarded a contract.