

## **Request for Qualifications – Oka Institute Natural Resource Management Website and Water Resources Geospatial Tool**

### **A. Project Overview:**

The Oka Institute at East Central University is currently in the process of developing a natural resource management website and water resources geospatial viewer that will focus on data visualization, analysis, research priorities, and science-based decision making. The natural resource management website in conjunction with the water resources geospatial viewer will provide real-time insights and an early warning system to water quality and quantity issues and concerns across the Chickasaw Nation. The natural resources website and water resources geospatial viewer will also be a method to allow the public, researchers, and stakeholders access to general information, raw data, and analysis related to water and other natural resource issues within the Chickasaw Nation. This will ultimately aid in the exploration of water and other natural resource data, and increase understanding of the complexities and importance of water resources management within the Chickasaw Nation. Desired qualifications for this project are as follows:

**B. Estimated Timeline and Budget:** This contract will not exceed \$165,000 and the performance period ends in April 2027. The majority of the milestones and product will need to be complete in year 1 with improvements and full product transfer in years 2 and 3.

**C. Request for Qualifications:** We are seeking a contractor with qualifying experience in the following areas:

- a. Developing/building a field data collection framework for spatial and tabular data primarily using environmental and natural resource data.
- b. Developing/building a geospatial management framework that integrates field and open-source data.
- c. Create a geospatial user interface to allow users to access data, perform analysis, and print maps and reports.

To assess your organization's suitability for this project, we kindly request that you provide us with the following information:

### **D. Technical expertise of qualifying contractor:**

- Geospatial dataset management
- Geospatial web application development frameworks.
- Map automation enhancements that include raw data interpretation and innovative web hook implementation.
- Collecting and processing environmental and natural resource geospatial field data.
- Analyzing, managing, and organizing field and or open-source data.
- Building geospatial viewers and educational platforms that are accessible to the public.
- Incorporating real-time data feeds and continuous field monitoring data into a geospatial user interface.

#### **E. Preferred expertise of qualifying contractor:**

- ESRI ArcGIS desktop and online software applications including field data collection apps.
- Familiarity with ESRI mapping applications.
- Familiarity with, and ability to utilize Oklahoma data.

#### **F. Instructions for applying to be a qualified contractor**

The full narrative of the submittal shall not exceed 30 pages including appendix. Narrative should be single spaced minimum of 12-point font and 1-inch margins. Please include examples and portfolios as an appendix. Proposal will be rated based on the following sections, please complete each on in the order listed.

1. **Company Profile:** Please provide a brief overview of your organization, including its history, core competencies, and previous experience in developing geospatial applications or viewers, preferably using Esri software applications.
2. **Narrative:** Please use this section to described your companies' qualifications in the development of the Oka Institute Natural Resource Management Website and Water Resources Geospatial Tool as described in the project overview section. This should be the most descriptive section of your submittal. Please be sure to address the following:
  - i. Technical expertise (Section C)
  - ii. Preferred expertise (Section D)
3. **Past Project Experience:** Describe any relevant projects you have completed that demonstrate your expertise in developing geospatial viewers or similar applications using mapping application. Include project scope, technologies utilized, and outcomes achieved.
4. **Client References:** Please provide contact information for at least three clients who can serve as references for your previous geospatial projects. Include their organization name, contact person, email address, and phone number.
5. **Hosting options and website and geospatial viewer transfer:** The final natural resource management website and water resources geospatial viewer and data layers are to be wholly owned and operated by the Oka Institute. Please provide the needs or recommendations for the hosting of the tool during and after development and the details of how the data and tool will be transferred to Oka.

**Submission Details:**

Please submit your response to Jake Cantrell at [jcantrell@growada.com](mailto:jcantrell@growada.com)

Request for Qualifications no later than November 1<sup>st</sup>, 2024. Include the phrase " Oka Institute Natural Resource Management Website and Water Resources Geospatial Tool RFQ" in the subject line of your email.

We will review all submissions and shortlist qualified candidates for further evaluation. If shortlisted, you may be invited to participate in subsequent stages of the selection process, such as Request for Proposal submittals, interviews or presentations.

Should you have any questions or require further clarification, please do not hesitate to contact us at [jcantrell@growada.com](mailto:jcantrell@growada.com). We appreciate your interest in working with our organization and look forward to receiving your qualifications.

Sincerely,

Jake Cantrell  
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