

# STATE OF ALASKA

Department of Natural Resources  
Division of Support Services



## GEOGRAPHIC INFORMATION SYSTEM (GIS) SERVICES

IRFP 10-010-22

### ADDENDUM 1

ISSUED NOVEMBER 16, 2021

This addendum is being issued to answer questions from vendors and make changes to the IRFP.

**Important Note to Offerors:** You **MUST** sign and return this page of the addendum document with your proposal. Failure to do so will result in the rejection of your proposal. Only the IRFP terms and conditions referenced in this addendum are being changed. All other terms and conditions of the IRFP remain the same. This Addendum 1 is hereby made part of the IRFP and is a total of five pages.

#### OFFERORS MUST SIGN AND RETURN THIS PAGE

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COMPANY SUBMITTING PROPOSAL

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AUTHORIZED SIGNATURE

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DATE

## QUESTIONS SUBMITTED BY POTENTIAL OFFERORS AND ANSWERS FROM THE STATE:

**Question 1:** Section 3.04 of the solicitation indicates the contract will be Fixed Price. Section 4.07 asks for an itemized list of all direct and indirect costs and other details, suggesting the contract will be Time and Materials (T&M). Attachment 3 (Cost Proposal Form) asks for Total Cost and a singular Hourly Rate, and states “The hourly rate listed will be paid at the Hourly Rate shown on the Offeror’s Cost Proposal Form,” again suggesting the contract will be T&M. Please clarify if the contract is Fixed Price or T&M.

**Answer 1:** The hourly rate will be fixed rate.

**Question 2:** Section 1.07 indicates that the technical proposal and cost proposal must be provided as separate PDF documents. However, Section 4.06, Experience and Qualifications (part of the technical proposal), requires the Offeror to “itemize the total cost and the number of estimated hours for each individual named above.” Please clarify if cost information is to be included in both the technical and cost proposal submittals.

**Answer 2:** See page 5 - Changes to the IRFP

**Question 3:** Will the Offeror be required to write up geologic descriptions, or will the units be attributed to descriptions that already exist?

**Answer 3:** Geologic units to be used for the GIS databases are the published unit descriptions in the publications. The descriptions already exist, and the Offeror does not need to develop unit descriptions or provide other primary geologic interpretation. The goal is to follow the original intent of the author(s). DGGs staff will provide guidance in cases where the data or symbology in the published map is ambiguous.

**Question 4:** Is there a symbology available for the different geologic units?

**Answer 4:** Symbology for geologic units is available from DGGs’ style guide (<https://dgg.alaska.gov/pubs/id/30584>), which is based on USGS cartographic standards (<https://pubs.usgs.gov/tm/2006/11A02/>). Use the codes within the DGGs style to represent the published map units. Digital map unit colors should be matched to the published map’s Description of Map Units color boxes.

**Question 5:** Which parts of MP029 Plate 6-1 will be required?

**Answer 5:** All of the features listed in the Explanation on MP029 Plate 6-1 should be digitized and their attributes captured. Polygons, lines, and point locations should be digitized into AK GeMS schema feature classes geologic\_polys, geologic\_lines, and geologic\_points, respectively. Locations of anomalous elements along highlighted drainages will need to be estimated based on the location of the labels; each section of highlighted drainage may have multiple anomalous elements. The background topological map and other locational tic marks should not be digitized or captured, except for their use in georegistering the map in GIS.

**Question 6:** Can the Offeror view a copy of the legacy files before submittal of the proposal?

**Answer 6:** The map data is not published. A specific URL to preview the legacy GIS map data can be made available upon request to the procurement officer.

**Question 7:** What coordinate system(s) do you prefer to have the data in?

**Answer 7:** The data should be created in the original datum and projection of the published map.

**Question 8:** Please describe the source materials for the work to be digitized, e.g. are the maps on mylar? Quality?

**Answer 8:** The source materials of the maps to be digitized are all online at the URLs listed in the IRFP. JPG or TIFF files for georegistration could be made from the PDFs that are online. The PDF files were generated from 300 or 400 DPI scans of the original paper maps and their quality is good. The maps were ironed as necessary before they were scanned to remove fold wrinkles that would produce large georegistration errors. DGGs can likely provide the original scans of the paper maps if requested by the contractor.

**Question 9:** Has DGGs created much material using GeMS?

**Answer 9:** Please note that the IRFP asks for AK GeMS, which is Alaska's version of the standard, and not the USGS' version of GeMS. DGGs has created and made available to the public more than 20 maps in AK GeMS format. Another estimated 20 maps are in process. Some examples of maps in AK GeMS format include:

- <https://doi.org/10.14509/1740>
- <https://doi.org/10.14509/1864>
- <https://doi.org/10.14509/2315>
- <https://doi.org/10.14509/2515>
- <https://doi.org/10.14509/2576>
- <https://doi.org/10.14509/2671>
- <https://doi.org/10.14509/29722>
- <https://doi.org/10.14509/30036>
- <https://doi.org/10.14509/30037>
- <https://doi.org/10.14509/30038>
- <https://doi.org/10.14509/30099>
- <https://doi.org/10.14509/30735>

**Question 10:** How much of the work to be done is spatial linework versus database attribution?

**Answer 10:** For the maps that just need to be digitized, linework is the primary task. There is one map that needs to be digitized and then formatted in AK GeMS. That map will have a more equal time commitment of linework and attribution. The amount of linework to be done for the three maps with legacy GIS files will depend on the state of the existing lineworks' topology. These maps will have a subequal time commitment of linework and attribution.

**Question 11:** How much of the mapping work will require georeferencing? This relates to the fact that it is mentioned that heads up digitizing is required, but how much of this is required to be calibrated to a spatial coordinate system?

**Answer 11:** All of the map sheets that need to be digitized will need to be georeferenced. Some publications have multiple sheets that need to be digitized. In the Deliverables section 3.03 of the IRFP, the italicized text in the bulleted map items describes which sheets are to be digitized. Note, the geologic data is to be digitized but not the basemaps.

## CHANGES TO THE IRFP:

**Change 1:** This portion of Sec. 4.06 Experience and Qualifications is deleted in its entirety:

~~Offerors must provide an organizational chart specific to the personnel assigned to accomplish the work called for in this IRFP; illustrate the lines of authority; designate the individual responsible and accountable for the completion of each component and deliverable of the IRFP.~~

~~Offerors must provide a narrative description of the organization of the project team and a personnel roster that identifies each person who will actually work on the contract and provide the following information about each person listed:~~

- ~~• title,~~
- ~~• resume,~~
- ~~• location(s) where work will be performed,~~
- ~~• itemize the total cost and the number of estimated hours for each individual named above.~~

~~Offerors must provide reference names and phone numbers for similar projects the offeror's firm has completed.~~

And is replaced with:

Offerors must provide an organizational chart specific to the personnel assigned to accomplish the work called for in this IRFP; illustrate the lines of authority; designate the individual responsible and accountable for the completion of each component and deliverable of the IRFP.

Offerors must provide a narrative description of the organization of the project team and a personnel roster that identifies each person who will actually work on the contract and provide the following information about each person listed:

- title,
- resume,
- location(s) where work will be performed,
- **the number of estimated hours for each individual named above.**

Offerors must provide reference names and phone numbers for similar projects the offeror's firm has completed.