

STATE OF ALASKA RFP NUMBER 2015-1000-3184
AMENDMENT NUMBER 1



Department of Natural Resources
Division of Support Services
550 W. 7th Avenue, Suite 1230
Anchorage, AK 99501

THIS IS NOT AN ORDER

DATE AMENDMENT ISSUED: June 19, 2015

RFP TITLE: RFP 2015-1000-3184 Aerial Imagery and DSM Acquisition for Western Alaska

RFP CLOSING DATE AND TIME: June 26, 2015, 4:00 p.m. Alaska time. (NOT CHANGED)

The purpose of this amendment is to:

(1) make changes to the RFP as follows:

- a. Section 5.02.1 General - delete the text of the first paragraph of this section and insert "All work undertaken by the Contractor shall conform to these specifications and to the applicable portions of the November 2014 ASPRS Positional Accuracy Standards for Digital Geospatial Data."
- b. Section 5.03.2, Item 6 Flight Lines – change "... one second or less" to now read "... approximately 500 meters; alternative spacing (time or distance-based) that will reduce file size while maintaining graphical information within this deliverable are acceptable.
- c. Attachment 5, Cost Proposal Form – Item 6 description is amended to read: "Total Firm Fixed Price for Project (Add lines 1 through 5)".
- d. Provide the correct reference to the location of Appendix 1 as follows:
<https://aws.state.ak.us/OnlinePublicNotices/Notices/View.aspx?id=176949>

(2) answer questions that have been asked by potential offerors. See attached.

All terms and conditions not modified by this amendment remain unchanged.

THIS AMENDMENT IS FOR INFORMATIONAL PURPOSES ONLY AND NEED NOT BE RETURNED.

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Questions and Answers

June 18, 2015

1. **Q. Section 5.02.1 states "All work undertaken by the Contractor shall conform to these specifications and to the applicable portions of the American Society of Photogrammetry and Remote Sensing (ASPRS) Interim Accuracy Standards for Large Scale Maps". Would the 2014 Positional Accuracy Standards for Digital Geospatial Data not be a better reference?**
A. The RFP is being changed by this amendment to incorporate the new revised standard. See Page 1.
2. **Q. Please clarify the horizontal and vertical accuracy requirements for the aerial imagery and DSM?**
A. To provide clarification on the horizontal and vertical positional accuracy specifications for this RFP in language consistent with the the ASPRS Positional Accuracy Standards:
 - DSM and Orthoimage deliverables shall be produced to meet or exceed 20 cm RMSE_x/RMSE_y Horizontal Accuracy Class ASPRS standards (49 cm at the 95% confidence level)
 - DSM deliverables shall be produced to meet or exceed 20 cm RMSE_z Vertical Accuracy Class ASPRS standards (equating to Non-vegetated Vertical Accuracy [NVA] = \pm 39 cm at the 95% confidence level)
3. **Q. Section 5.02.6 requires data to be delivered relative to the GEOID12A model. Are other models acceptable, such as GEOID12B? Would it be possible to deliver the data relative to the WGS84 ellipsoid?**
A. GEOID12B is acceptable, but WGS84 is not. Please note that the GEOID12B model supersedes the GEOID12A model as the latest hybrid geoid model available from the National Geodetic Survey, however, GEOID12B is identical to GEOID12A at all points within this project area.
4. **Q. Section 1.02 indicates that project completion and deliverables should occur approximately by 16 October 2015. Given the realities of coastal weather patterns for Jul-Oct in western Alaska and that aerial acquisition for this large area may not begin until after contract award on 13 July 2015, are there provisions that the project can be extended without penalty if weather conditions cause delays?**
A. Yes. Weather contingencies should be addressed in the project proposal as these will be considered as part of the management plan evaluation. Also, the State incurred an unforeseen delay in the release of this RFP, stemming from external budget considerations. Consequently the start date for the project is later in 2015 than previously anticipated. Proposals that present a modified timeline for project completion and deliverables, with reasonable justification, will be considered without penalty. While a modified timeline that extends into 2016 may be proposed, no contract payment may occur after June 30, 2016.
5. **Q. Section 1.04 states that the estimated budget for this project is "between \$150,000 to \$400,000". Is this accurate?**
A. Due to the atypical spatial extent of this project, and the allowance for proposals that employ alternative photogrammetric approaches, the State anticipates that cost proposals may vary widely. The estimated budget numbers in the RFP are provided only as guidance and all responsive proposals will be evaluated using the criteria in Section 7; project cost proposals in excess of \$700,000 will exceed funding that is already appropriated and identified (Section 3.08)..
6. **Q. The RFP states the Execution Plan is due 2 weeks after award. Does this mean two weeks after Intent to Award a Contract or two weeks after the contract is issued? Could this plan be included within the proposal to speak review and ensure the project starts as quickly as possible?**
A. The plan is due two weeks after the contract is awarded. A more fully-developed proposal, which facilitates an accelerated timeline for Execution Plan delivery and thus project start date, would be one way to illustrate a demonstrated understanding of the State's time schedule and an overall ability to meet project schedule.
7. **Q. What is the total area to be mapped?**
A. The total area to be mapped, barring significant unforeseen differences between the best available vector shoreline position and the actual the shoreline position, is approximately 7,530 km².

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8. Q. Would it be possible to get the line vector for the coastline that was used by the State to create the AOI?
- A. Yes, the best available (January 2015) vector shapefile (statewide coastline) is available here: http://dggs.alaska.gov/file_transfer/AerialSurvey_RFP/.
9. Q. The RFP states that no data holidays or interpolation across gaps are allowed, which strictly interpreted would mean that there must be at least one point within EVERY SINGLE 20 cm x 20 cm area, which would relate to spec that is much higher than 20 cm GSD indicated in the RFP. Typical ASPRS guidance is to provide a 95% spec on point density. Another approach could be to specify the maximum size of a 'gap'.
- A. Language included in the RFP provides for unavoidable data gaps or interpolation with approval by DGGS; types of unavoidable data gaps may vary by data acquisition method. If a 95% confidence level on point density, a maximum gap allowance (by size), or another defined specification for gap allowance is considered prudent for effective data delivery under this contract award, this should be included in the project proposal.
10. Q. Section 5.03.1 requires "correct associated projection files". Could this be clarified?
- A. This language applies to any project deliverables of a file type requiring an associated projection file (e.g. flight lines delivered as a vector .shp would need to be accompanied by an appropriate .prj file); file formats that include complete geospatial definitions (e.g. GeoTiffs) do not need to be accompanied by additional projection files.
11. Q. Section 5.03.2 requires flight lines in shapefile format that includes trajectory information every 1 second. Could the State clarify the intention here? All data, including airborne GPS collected at 10-100 hz, are already required.
- A. Purpose of flight lines shapefile is for graphical display of aircraft position and project execution; format is specified for consistency with past State of Alaska deliverables. Airborne GNSS data may fulfill requirement for positional/trajectory flight line logging if specified as such in proposal; an index file of approximately 500 m interval will be accepted (see Page 1).
12. Q. If this deliverable is for display purposes, would a GPX file from a Garmin airplane GPS recording every few hundred meters be suitable?
- A. Alternative spacing is acceptable (see Page 1). Flight line index delivery must be in GIS shapefile format.
13. Q. Could the State clarify how the 'detailed breakdowns' requested for the cost proposal will be used? For example, Section 7.04 of the proposal gives no indication of how this information will be evaluated or even IF it will be evaluated in terms of point or contract awards. Will this information be used by the State to negotiate for lower costs? Is the State requesting the vendor to provide budget tracking by such categories during the award? After award, if actual costs are different than specified in this breakdown, will the State require a rebudgeting to move funds between categories or in any way consider expenditure differences from the proposal as grounds for non-payment or contract termination?
- A. The State will use that information for contract negotiation purposes, if necessary. It will not be used for monitoring actual costs after contract award since the payment mechanism anticipated by the State is a fixed price per deliverable.
14. Q. Is Commercial Automobile Liability Insurance required if no company automobiles are used? What about rental cars?
- A. If the successful offeror owns any autos, or may rent any autos for use in performance of the work, this insurance is required.
15. Q. It may make logistical sense to break this large coastal area of interest into 3-4 zones and plan on acquiring each zone completely when weather conditions are favorable. [Is the State] open to project implementation plans that propose this type of logistical approach to aerial acquisition and processing?
- A. Yes.
16. Q. Is there a preferred tile grid and tiling naming schema for DSM and Orth deliveries?
- A. No.

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- 17. Q. Is the separate RFP Number 2015-1000-3133 Ground Control Data for Aerial Survey of Western Alaska the vehicle being used to obtain the ground control for the aerial project referenced in Section 4.01?**
- A. Yes. Final product delivery report for that project is not due to the State until mid-September, however, Preliminary Coordinate Files are due soon as soon as possible after survey completion; for use by remote sensing contractor. See additional timeline remarks elsewhere in this amendment.
- 18. Q. Can the DNR provide existing ground control for use with this project now?**
- A. No existing ground control for use with this project is presently available from DNR, please see AK DNR RFP 2015-1000-3133 (link on Page 1) for details on planned ground control specifications. Contractor coordination is encouraged at the preparation of the Project Execution Plan phase for both of these projects.

END OF QUESTIONS AND ANSWERS