

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE PAGE OF PAGES  
1 6

2. AMENDMENT/MODIFICATION NO. 1  
3. EFFECTIVE DATE 07/09/14  
4. REQUISITION/PURCHASE REQ. NO.  
5. PROJECT NO. (If applicable) FS-6-14

6. ISSUED BY CODE  
USDA-FSA  
AERIAL PHOTOGRAPHY FIELD OFFICE  
2222 WEST 2300 SOUTH  
SALT LAKE CITY UT 84119-2020

7. ADMINISTERED BY (If other than Item 6) CODE  
CONTRACTING OFFICER  
AERIAL PHOTOGRAPHY FIELD OFFICE  
2222 WEST 2300 SOUTH  
SALT LAKE CITY UT 84119-2020

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

(X) 9A. AMENDMENT OF SOLICITATION NO.  
AG-8447-S-14-0004

x 9B. DATED (SEE ITEM 11)  
06/23/14

10A. MODIFICATION OF CONTRACT/ORDER NO.  
10B. DATED (SEE ITEM 11)

CODE FACILITY CODE

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
(a) By completing items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  
Solicitation is amended with the attached replacement pages:

Page	Section	Description
1	SF-18	Extend due date
11	B-3.1	Clarify approximate number of stereo block files for line item 1
14	B-3.3	Clarify approximate number of stereo block files for option line item 3
16	B-6.3	Correction to shapefile reference for stereo block files
33	C-6.6(a)	Clarify stereo block file image reference structure

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michelle C. Clifford Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA <i>Michelle C. Clifford</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 07/09/14

<b>REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)</b>		THIS RFQ <input checked="" type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE OF PAGES 1   61
1. REQUEST NO. AG-8447-S-14-0004	2. DATE ISSUED 6/23/2014	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
5a. ISSUED BY USDA-FSA-APFO, 2222 W. 2300 S., Salt Lake City, UT 84119			6. DELIVER BY (Date) 12/29/2014	
5b. FOR INFORMATION CALL (NO COLLECT CALLS)			7. DELIVERY	
NAME Michelle Clifford		TELEPHONE NUMBER		<input checked="" type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)
		AREA CODE 801	NUMBER 844-2909	9. DESTINATION
8. TO:			a. NAME OF CONSIGNEE USDA-FSA-APFO	
a. NAME		b. COMPANY		b. STREET ADDRESS 2222 West 2300 South
c. STREET ADDRESS				c. CITY Salt Lake City
d. CITY		e. STATE UT	f. ZIP CODE 84119	d. STATE UT
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS (Date) 7/30/2014		IMPORTANT: This is a request for information and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5a. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or service. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotation must be completed by the quoter.		

**11. SCHEDULE (Include applicable Federal, State and local taxes)**

ITEM NO. (a)	SUPPLIES/ SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
1	Okanogan-Wenatchee National Forest, WA 4-band, 25cm resolution aerial imagery Stereo Imagery 8-bit color corrected, Materials listed in Section B-3.1 price per square mile	2,378	SM		
2	DOQQQ Orthorectified Imagery Materials listed in Section B-3.2 average price per DOQQQ	943	EA		
3	Optional Uncorrected Stereo Imagery Materials listed in Section B-3.3	2,378	SM		
Submit signed quotations on or before 3:00pm MDT July 30, 2014 to address in 5a, Attn: Contracting Officer Quotations must include this form, Sections A-1 - A-5, Certification pg.4-8; 20cm Option Pricing B-4, pg.15 and additional information necessary					

12. DISCOUNT FOR PROMPT PAYMENT <input type="checkbox"/>	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d. CALENDAR DAYS	
				NUMBER	PERCENTAGE

NOTE: Additional provisions and representations  are  are not attached.

13. NAME AND ADDRESS OF QUOTER			14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15. DATE OF QUOTATION
a. NAME OF QUOTER			16. SIGNER		
b. STREET ADDRESS					
c. COUNTY			a. NAME (Type or print)		b. TELEPHONE
d. CITY			c. TITLE (Type or print)		AREA CODE
e. STATE		f. ZIP CODE			NUMBER

### B-3 MATERIALS TO BE DELIVERED

All stereo imagery deliverables shall be shipped no later than ninety (90) days from the end of the acquisition period or any season extension; all orthorectified imagery deliverables no later than one hundred twenty (120) days. Early delivery is encouraged to facilitate timely inspection and avoid delays due to peak seasonal inspection workload. Corrected materials shall be shipped as soon as possible after correction is made, but no later than 30 days after receipt of the materials or data required for corrections. Corrected or resubmitted materials must be delivered on media separate from original materials being submitted and include a separate packing slip. The Contractor shall maintain a copy of the digital data until the Government formally accepts the deliverables.

#### 3.1 LINE ITEM 1: STEREO IMAGERY DELIVERABLES

<b>Line Item 1: Stereo Imagery Deliverables (included with acquisition of imagery)</b>	<b>Format</b>	<b>Metadata Required</b>	<b>Media</b>	<b>Sample Naming (See Exhibit 2)</b>	<b>Gov't Approval Required</b>	<b>Quantity &amp; Frequency</b>
Project Flight Plan Section C-5.2	Esri® Compatible Shapefile	None	Email or DVD	None	Review Only	Prior to Notice to Proceed
Pre-production Image Samples Section C-6.1	GeoTIFF	Yes	DVD or FTP site	616170_0030_0001_20140827_8b.tif	Yes	One image for each landscape
4-Band, 8-bit per band, Color Corrected, Georeferenced, Uncompressed Digital Image Files. Section C-6.1 (see Table 3.1(a) below for stereo imagery support file requirements)	GeoTIFF	Yes, one per image file	Internal Hard Drive	616170_0030_0001_20140827_8b.tif	Yes	Entire project, unless interim partial delivery approved
Pre-production Samples Stereo Block File Section C-6.6	GeoTIFF	Yes	DVD or FTP site	612140_0030_0001_20140827_16b.tif	Yes	One block file and four (4) overlapping images
Stereo Block Files, <b>one file per two sub watershed areas, approximately 39</b> Section C-6.6	Either .blk or .prj	Yes, one per block file	Internal Hard Drive	616170_8b_01.blk thru 616170_8b_39.blk	Yes	Include with stereo imagery delivery; updated with reflights
Project Geodatabase Project Acquisition Feature Dataset Image Footprint Feature Class	Esri® File Geodatabase	Yes, one for geodatabase	Internal Hard Drive	Project_Geodatabase_616170_6dash14.gdb OkanoganWenatchee_616170_6dash14_1  georeferenced_616170_25_4_8_6dash14_1	Yes	Include with stereo imagery; update with additional

Section C-6.2 (see Table 3.1(a) for stereo imagery support file requirements)		image file				area approved
Stereo Block Files, <b>one file per two sub watershed areas, approximately 39</b> Section C-6.6	Either .blk or .prj	Yes, one per block file	Internal Hard Drive	616170_16b_01.blk thru 616170_16b_39.blk	Yes	Include with stereo imagery delivery; updated with reflights

B-4 OPTION FOR INCREASED QUANTITY (FAR 52.217-6) (Mar 1989)

The Government may increase the quantity of supplies called for in the Schedule at the unit price specified. The Contracting Officer may exercise the option upon mutual agreement with the Contractor within 45 days prior to the end of the approximate acquisition period stated in Section B-2, or extension thereof. Delivery of the added items shall continue at the same rate as the like items called for under the contract, unless the parties otherwise agree. The quantity may be increased by no more than 25% of the original quantities stated in B-2 of this section.

## B-6 GOVERNMENT-PROVIDED INFORMATION

The Government shall provide the information listed below. Shapefiles provided may be in projections that differ from the projection requirements of the final product. The contractor is responsible for notifying the Contracting Officer of any discrepancies or problems encountered in using this information within two business days

### 6.1 Project Boundary Shapefile

The Contractor will be furnished upon award one (1) Esri® compatible shapefile containing the project boundary for each Project Item awarded. Due to the unique footprint of digital sensors the Contractor is responsible for the complete stereo coverage acquisition of the shapefile area, including the boundaries.

### 6.2 Metadata Templates

The Contractor will be furnished upon award data text files (.txt), as applicable, containing Federal Geographic Data Committee (FGDC) compliant metadata templates with Remote Sensing Extensions where applicable to be used for: (1) the georeferenced uncompressed digital image files in Sections C-6.1 and C-6.2 (if awarded) ; (2) the DOQQQ files required in Section C-6.3; (3) the Stereo Block Files in Section C-6.6; (4) the Project Geodatabase in Section C-7.2. Government provided templates will not be provided for other required metadata.

### 6.3 Sub-Watershed Boundary Files

The contractor will be furnished upon award an Esri® compatible shapefile containing the **sub-watershed** boundaries for creation of stereo block files in Section C-6.6.

### 6.4 DOQQQ Shapefile

The Contractor will be furnished upon award Esri® compatible shapefile(s) containing the required DOQQQ for each project item awarded. The shapefile does not include the buffer area required in Section C-6.3. The contractor must add the required buffer to the shapefile provided.

### 6.5 Project Geodatabase Template

The Contractor will be furnished upon award one (1) Esri® compatible file geodatabase template for use in producing the Project Geodatabase in Section C-7.2.

## B-7 ADMINISTRATIVE REQUIREMENTS

### 7.1 Notice to Proceed

The Notice to Proceed will be given by telephone or email, and confirmed by signed correspondence. Failure of the Contractor to proceed with flights on a project item within ten (10) calendar days after a "Notice to Proceed" is given, without documentation of weather or ground preventing imagery collection, may be considered as evidence of failure to perform the

- (a) File Format: Supplemental data shall be delivered in a non-proprietary format mutually agreeable to the Government and Contractor. Contractor may use any consistent and logical naming convention. The files shall be stored on a hard drive (See Section D-1.2) according to the Hard Drive Folder Structure Template, Exhibit 10.
- (a) Metadata: The Contractor shall create a metadata file for each supplemental ground data file that was used to supplement positional data. A template will not be provided by the Government.

## 6.6 Stereo Block Files

The Contractor shall provide stereo block files so that digital image files created in Section C-6.1, Color Corrected Stereo Images and C-6.2, Uncorrected Stereo Images (if awarded), can be brought in and viewed in stereo-pairs with very minimal adjustment to the x or y parallax. Data fields in the stereo block file shall be populated with sensor specific data. Each block file should include the average flying height for the area covered by that block file, rather than for the entire project area. In the case of reflights or the completion flight line(s) during an additional acquisition season, the stereo block file must be updated to include new and/or reflight imagery for the affected flight lines.

- (a) Image Reference Structure: **One stereo block file shall be produced for approximately every two sub-watershed areas delineated in the boundary shapefile provided and for each bit depth of stereo imagery provided.**
- (b) Pre-Production Sample: The Contractor shall provide a sample stereo block file pointing to and containing four (4) stereo images. The block file shall point to only the images provided with the sample.
- (c) File Format. The stereo block files shall be Leica Photogrammetry Suite (LPS) compatible and shall be readable in Stereo Analyst extensions for ERDAS IMAGINE 2011 and Esri® ArcGIS 10.1 and newer. The Government prefers the use of .blk over .prj files. See Exhibit 2 for naming convention. The files shall be stored on a hard drive (See Section C-9) according to the Hard Drive Directory Structure Template, Exhibit 10.

## 6.7 Regional Settings

All digital files, including imagery and metadata, shall be created using standard ANSI English-US setting. For example, periods (ACII 46) shall be used to separate the whole number from the fractional portion when recording decimal numbers and data representing a long date shall be recorded as “Thursday, August 18, 2013 5:09:38 PM.”

## C-7 PROJECT MANAGEMENT

The Contractor shall establish and maintain a project management system with a designated project manager for this effort. Project management consists of those activities required to plan, manage, administer, and control efforts to accomplish the objective of the contract. The project manager identified in the proposal will serve as the primary point of contact for the Contractor’s