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|-----------------------------------------------------------|---------------------|---------------|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | 1. CONTRACT ID CODE | PAGE OF PAGES |
|-----------------------------------------------------------|---------------------|---------------|

| | | | |
|-------------------------------|-------------------|----------------------------------|--------------------------------|
| 2. AMENDMENT/MODIFICATION NO. | 3. EFFECTIVE DATE | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. (If applicable) |
|-------------------------------|-------------------|----------------------------------|--------------------------------|

| | | | |
|--------------|------|-------------------------------------------|------|
| 6. ISSUED BY | CODE | 7. ADMINISTERED BY (If other than Item 6) | CODE |
|--------------|------|-------------------------------------------|------|

| | | |
|-----------------------------------------------------------------------------|-----|-----------------------------------------|
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | (X) | 9A. AMENDMENT OF SOLICITATION NO. |
| | | 9B. DATED (SEE ITEM 11) |
| | | 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 _____ 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 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

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) |
| 15B. CONTRACTOR/OFFEROR | 16B. UNITED STATES OF AMERICA |
| 15C. DATE SIGNED | 16C. DATE SIGNED |
| (Signature of person authorized to sign) | (Signature of Contracting Officer) |

BLOCK 14 (Continued)

| Page | Section | Para | Change Description |
|-------|---------|--------------|----------------------------------------------------------------|
| ----- | ----- | ----- | ----- |
| 3 | B | 1.1(a) | Updated WRP quantities in ID, WA, & WY |
| 3 | B | 1.1(b)(1) | Added Project 4 reference |
| 5 | B | 1.4(a) | Reference correction |
| 6 | B | 1.4(c) | Added Project 4 Location Map reference |
| 6 | B | 1.5 | Instructions clarification added |
| 15 | C | 1.1 (d) | Exhibit number added/corrected |
| 16 | C | 3.1 | Photographic Period references added |
| 21 | C | 7.1 (d) | Color Infrared requirements removed |
| 24 | C | 8.3 | Paragraphs 8.3-8.5 renumbered |
| 24-25 | C | 8.6 | Accuracy Requirements removed |
| 26 | D | D-1 | Color infrared positive film removed |
| 34 | F | 5.2(b)(c) | Progress report instructions clarified |
| 35 | F | 5.4 | Replaced Option to Extend the Term of the Contract clause |
| 45-49 | J | Exhibit 2 | Page number corrections |
| 49.1 | J | Exhibit 2(d) | Added 2010 CONUS NRI Digital Special Study Location Sample Map |
| 65 | L | 2.4 | Added Non-Disclosure Agreement document requirement |
| 70 | M | M-4 | Added Evaluation Exclusive of Options clause |

1.1 Contract Pricing Proposal – Project 1, CONUS NRI/WRP - continued

(a) State Description, Quantities, and Check List

The following are state NRI site and WRP exposure quantities for the 2010 CONUS requirements. Please mark the appropriate space provided below (Check Box) next to the state(s) you are offering in your task order proposal. A brief description of your proposed area is required in Section 1.1, of the previous page. Some WRP exposure quantities are estimates. Final quantities will be provided prior to contract award.

| CHECK BOX | STATE | NRI SITES | WRP EXPS | TOTAL (SITES + EXPS) | CHECK BOX | STATE | NRI SITES | WRP EXPS | TOTAL (SITES+EXPS) |
|--------------------------|---------------|-----------|----------|----------------------|--------------------------|----------------|-----------|----------|--------------------|
| <input type="checkbox"/> | ALABAMA | 1,400 | 74 | 1,474 | <input type="checkbox"/> | NEVADA | 699 | 2 | 701 |
| <input type="checkbox"/> | ARIZONA | 580 | 21 | 601 | <input type="checkbox"/> | NEW HAMPSHIRE | 500 | 11 | 511 |
| <input type="checkbox"/> | ARKANSAS | 1,399 | 1315 | 2,714 | <input type="checkbox"/> | NEW JERSEY | 600 | 36 | 636 |
| <input type="checkbox"/> | CALIFORNIA | 2,023 | 558 | 2,581 | <input type="checkbox"/> | NEW MEXICO | 1,375 | 10* | 1,385* |
| <input type="checkbox"/> | COLORADO | 1,649 | 363* | 2,012* | <input type="checkbox"/> | NEW YORK | 1,689 | 441* | 2,130* |
| <input type="checkbox"/> | CONNECTICUT | 454 | 1 | 455 | <input type="checkbox"/> | NORTH CAROLINA | 1,572 | 299* | 1,871* |
| <input type="checkbox"/> | DELAWARE | 290 | 18 | 308 | <input type="checkbox"/> | NORTH DAKOTA | 1,999 | 470* | 2,469* |
| <input type="checkbox"/> | FLORIDA | 1,938 | 820* | 2,758* | <input type="checkbox"/> | OHIO | 1,670 | 214* | 1,884* |
| <input type="checkbox"/> | GEORGIA | 1,600 | 128* | 1,728* | <input type="checkbox"/> | OKLAHOMA | 1,550 | 366 | 1,916 |
| <input type="checkbox"/> | IDAHO | 1,599 | 87 | 1,686 | <input type="checkbox"/> | OREGON | 1,274 | 287 | 1,561 |
| <input type="checkbox"/> | ILLINOIS | 2,200 | 930* | 3,130* | <input type="checkbox"/> | PENNSYLVANIA | 1,800 | 59 | 1,859 |
| <input type="checkbox"/> | INDIANA | 1,500 | 612* | 2,112* | <input type="checkbox"/> | RHODE ISLAND | 290 | 1 | 291 |
| <input type="checkbox"/> | IOWA | 1,749 | 1,456 | 3,205 | <input type="checkbox"/> | SOUTH CAROLINA | 1,249 | 620* | 1,869* |
| <input type="checkbox"/> | KANSAS | 1,975 | 159* | 2,134* | <input type="checkbox"/> | SOUTH DAKOTA | 1,825 | 883* | 2,708* |
| <input type="checkbox"/> | KENTUCKY | 1,450 | 171* | 1,621* | <input type="checkbox"/> | TENNESSEE | 1,550 | 239* | 1,789* |
| <input type="checkbox"/> | LOUISIANA | 2,049 | 1,610 | 3,659 | <input type="checkbox"/> | TEXAS | 4,798 | 459 | 5,257 |
| <input type="checkbox"/> | MAINE | 688 | 5 | 693 | <input type="checkbox"/> | UTAH | 797 | 119 | 916 |
| <input type="checkbox"/> | MARYLAND & DC | 1,028 | 48 | 1,076 | <input type="checkbox"/> | VERMONT | 550 | 17 | 567 |
| <input type="checkbox"/> | MASSACHUSETTS | 612 | 13 | 625 | <input type="checkbox"/> | VIRGINIA | 1,748 | 28 | 1,776 |
| <input type="checkbox"/> | MICHIGAN | 2,061 | 401* | 2,462* | <input type="checkbox"/> | WASHINGTON | 1,365 | 243 | 1,608 |
| <input type="checkbox"/> | MINNESOTA | 2,350 | 808* | 3,158* | <input type="checkbox"/> | WEST VIRGINIA | 826 | 15 | 841 |
| <input type="checkbox"/> | MISSISSIPPI | 1,700 | 1681* | 3,381* | <input type="checkbox"/> | WISCONSIN | 1,833 | 506* | 2,339* |
| <input type="checkbox"/> | MISSOURI | 2,125 | 1,305 | 3,430 | <input type="checkbox"/> | WYOMING | 924 | 34 | 958 |
| <input type="checkbox"/> | MONTANA | 1,474 | 270* | 1,744* | | | | | |
| <input type="checkbox"/> | NEBRASKA | 1,700 | 505* | 2,205* | | | | | |

TOTAL NRI SITES: 70,076 – CONUS

Quantities with an asterisk (*) are estimates.
Actual quantities will be finalized prior to contract award.

TOTAL WRP EXPS: 18,718* – CONUS
Project 1 GRAND TOTAL: 88,794* – CONUS

(b) Correlation Between Analog Film and Direct Digital States (NRI only):

- (1) In states where the Direct Digital Imagery is to be acquired, any proposal submitted shall be for all imagery (aerial film and direct digital) for that state. See Section B, Paragraph 1.4, Project 4. The offeror shall either **have or have available** equipment to acquire **both film and digital** imagery.
- (2) The direct digital imagery sites shall be acquired within **14 days** of the film acquisition of the corresponding sites.

1.4 Contract Pricing Proposal – Project 4, CONUS Direct Digital Ortho (NRI only)

| PROJECT 4 - 2010 CONUS DIRECT DIGITAL ORTHO-RECTIFIED IMAGERY OF NATIONAL RESOURCES INVENTORY (NRI) SITES | | | |
|-----------------------------------------------------------------------------------------------------------|---------|-----------------------|--------------|
| COMPANY NAME: | | AUTHORIZED SIGNATURE: | |
| PROJECT 4 - PRICING PROPOSAL | | | |
| TOTAL QUANTITY OF SITES | UNIT | UNIT PRICE | TOTAL AMOUNT |
| | SITE \$ | | \$ |
| GRAND TOTAL | \$ | | |

PRICING PROPOSAL INSTRUCTIONS:

In the space provided below, or on a separate paper, or delineated on a map, indicate by state(s) the NRI sites proposed in your offer. **You must confirm your proposed state(s)** by marking the appropriate box(es) below. **PLEASE NOTE: The minimum unit of offer is a complete state including all NRI Sites and associated orthorectified images within that state. See Section C-8 for orthorectification requirements. The offered direct digital state(s) have a direct correlation with the CONUS film based NRI sites in Project 1. See paragraph (b) below.**

(a) State Description, Quantities, and Check List

The following are state NRI site quantities for the 2010 CONUS Direct Digital Orthorectification requirement. Please mark the appropriate space provided below (Check Box) next to the state(s) you are offering in your task order proposal. A brief description of your proposed area is required in Section 1.4, above. **PLEASE NOTE: The minimum unit of offer is a complete state or area listed below including all NRI Sites within that state or area.**

| CHECK BOX | STATE | SITES |
|--------------------------|--------------|--------------|
| <input type="checkbox"/> | ALABAMA | 17 |
| <input type="checkbox"/> | IOWA | 73 |
| <input type="checkbox"/> | KANSAS | 204 |
| <input type="checkbox"/> | MINNESOTA | 247 |
| <input type="checkbox"/> | MISSISSIPPI | 303 |
| <input type="checkbox"/> | MISSOURI | 116 |
| <input type="checkbox"/> | MONTANA | 320 |
| <input type="checkbox"/> | NEW YORK | 82 |
| <input type="checkbox"/> | OREGON | 321 |
| <input type="checkbox"/> | PENNSYLVANIA | 317 |
| TOTAL NRI SITES | | 2,000 |

(b) Correlation Between Analog Film and Direct Digital States (NRI only):

- (1) In states where the Direct Digital Imagery is to be acquired, any proposal submitted shall be for all imagery (aerial film and direct digital) for that state. The offeror shall either **have or have available** equipment to acquire **both film and digital** imagery.
- (2) The direct digital imagery sites shall be acquired within **14 days** of the film acquisition of the corresponding sites.

(c) See Exhibit 2(d) for the Project 4 Location Map.

1.5 Contract Pricing Proposal – Orthorectification of Film Based Imagery – Option Item 1

| OPTION ITEM 1- ORTHORECTIFICATION of FILM BASED IMAGERY | | | |
|---------------------------------------------------------|------|-----------------------|--------------|
| COMPANY NAME: | | AUTHORIZED SIGNATURE: | |
| TOTAL QUANTITY OF ORTHOS | UNIT | UNIT PRICE | TOTAL AMOUNT |
| ORTHO | | \$ | \$ |

Instructions: Provide pricing based on quantities from roll film at a resolution that results in a 15 cm GSD orthophoto. This option is designed for the orthorectification of the NRI film sites co-acquired with the same direct digital sites. However, this option may be applied to any NRI film site in your proposal. Please refer to Section C-8 Digital Orthorectification for the specifications for this option.

1.6 Contract Performance Period

The contract performance period for issuance of contracts for the acquisition and delivery of NRI/WRP aerial photography is: **Date of Award through December 31, 2010.**

1.7 Confidentiality Statement

Site locations of the National Resources Inventory (NRI) are “For Official Use Only” and shall remain confidential. Site locations, represented in either hardcopy or digital form, are available exclusively for use by government authorized personnel conducting resource inventory activities or other authorized use.

Before release of exact site locations, offerors must agree to, by signature, the non-disclosure statements contained herein and submit with proposal. (See Exhibit 6, Non-Disclosure Agreement and Section C-1.1(d) Confidentiality Agreement)

1.8 Intended Use of Photography

The primary use of the aerial photography is for photo interpretation, area and point delineation, and Geographic Information Systems (GIS) measurements in support of multiple natural resource management and inventory programs.

signature, the non-disclosure statements contained in Exhibit 6 and submitted with the offer.

1.2 Location of Work

The NRI Sites for 2010 cover the conterminous 48 states, Hawaii, Puerto Rico, and the U.S. Virgin Islands. Data is collected over approximately 300,000 randomly located NRI Sites. Each year a subset of approximately 70,000 NRI Sites will be inventoried. The WRP Easement Areas may be found in any of the conterminous 48 states and Hawaii. This RFP covers 10,305 Easement Areas (sites) located in the conterminous United States and one (1) in Hawaii.

1.3 Labor and Materials

The Contractor shall furnish all materials, equipment, transportation, superintendence, and labor as required herein. The Contractor shall execute and finish the aerial photographic services for the project specified and shall deliver to the USDA all materials called for in Section F-1, Materials to be Delivered.

1.4 Size of NRI Sites and WRP Easement Areas

The predominant size of a NRI sample site is approximately 160 acres (1/4 square mile.) WRP Easement Areas (sites) sizes range from less than one acre to more than 15,382 acres (24 square miles) depending on the specific agreement requirements.

C-2 EQUIPMENT REQUIREMENTS

Any equipment (aircraft and cameras, in addition to those submitted at the time of the offer) proposed to be used by the Contractor must be approved for use by the Contracting Officer. If the aircraft and camera proposed for use is not owned by the Contractor, a written statement of availability from the owner of the equipment shall be furnished to the Contracting Officer. Refer to Attachment A, USDA Aerial Camera Specifications.

2.2 Aircraft

- (a) All aircraft used in the performance of the work under this contract shall be maintained and operated in accordance with all regulations required by the U.S. Department of Transportation, Federal Aviation Administration (FAA). Aircraft operated in the acquisition of imagery under this contract shall be FAA certified to a service ceiling with operating load (crew, camera, film, oxygen, and other required equipment) of not less than the highest altitude specified in the individual task order.
- (b) When the flight plan and location of any item in the proposed coverage falls within positive control airspace, the aircraft must contain the appropriate equipment to operate in such positive-control areas within the purview of the Federal Aviation Regulation.
- (c) The design of the aircraft shall be such that when the camera is mounted with all its parts within the outer structure, an unobstructed field of view is obtained. The field of view shall be shielded from the exhaust gases, oil, effluence, and air turbulence.

Glass, plastic, or other window material shall not be interposed between the camera or digital image system and the ground to be imaged unless authorized by the Contracting Officer.

2.3 Navigation System

The aircraft shall have an onboard, operational, and integrated Global Positioning System (GPS) receiver with a FAA certified antenna for navigation to sample site centroids and acquisition of aerial photography over the centroid. The GPS shall be able to receive real time differential correction signals where available.

2.4 Laboratory

The Contractor's laboratory shall be adequately equipped and staffed to facilitate the production of the specified photographic materials or the Contractor shall have access to such facilities.

C-3 PHOTOGRAPHIC CONDITIONS

Photography shall be acquired during conditions when well-defined, high detail images can be resolved. It is preferred that the skies be clear, free from smoke, clouds, cloud shadows, and excessive haze. However, when overcast conditions exist, where cloud cover is uniform without shadow edges, correctly exposed well-defined images shall be acceptable. The ground shall be free from standing water (other than natural or man-made ponds and lakes), flood waters from streams which have overflowed their banks, and wet ground or snow which obscures field, soil, or crop lines.

Due to the overriding need to acquire quality imagery within the specified period, it may be necessary to acquire some images that are outside of the above requirements. Under the assumption that it may not be possible to acquire an image of the site within the required time frame because of weather or extensive ferry time to get back to the site, and an interpretable image can be acquired by deviation from the requirements; the Contractor is permitted to exercise judgment in acquiring images. USDA reserves the right to reject such imagery if it is deemed unusable for data collection.

3.1 Photographic Period

The official photographic acquisition periods are defined in Exhibit 1, 2010 State Photo Periods and Attachment D, State NRI Site and WRP Exposure Information. Generally, aerial photography acquisition is to be performed during the agricultural growth periods when vegetation has adequate canopy and greatest contrast. The beginning and ending dates of the acquisition periods will vary. Generally, the earliest **beginning date** is the **Date of Award or approximately March 15**, and the latest **ending date** is **September 30**. The Contracting Officer shall have the right to adjust the acquisition periods based on adverse weather, deviation of crop growth from normal planting and harvest dates, or other program requirements or factors.

3.2 Sun Angle Requirement

USDA desires that images be acquired only during the portion of the day when the sun angle exceeds the minimum of 30 degrees. However, to expedite acquisition within the

6.5 Alternate or Additional Titling Requirements

The Government reserves the right to change, alter, or modify the above required titling to include agency or program specific information on the film titling. Individual task orders will clearly specify the titling required for any given program or task order.

C-7 AERIAL PHOTOGRAPHY SCANNING

7.1 Image Scanning

The scanning requirement is that individual aerial photographic images be scanned before titling and before being cut and individually sleeved where cutting and sleeving is part of the delivery requirement. The scan shall include the film image from edge to edge of the film and include the data strip and all fiducial marks associated with the image. The scans shall be clear and sharp in detail with uniform density, and free from dirt and other defects in the digital imagery in accordance with the following requirements:

- (a) Resolution. Aerial photography shall be scanned such that the final product results in a 600 dots (pixels) per inch (40 micron) resolution or a resolution chosen to provide a 15 cm GSD for NRI sites being co-acquired with direct digital orthoimagery where Option 1 is awarded.
- (b) Accuracy. The geometric accuracy of the scan shall be such that a Root Mean Square Error (RMSE) of 2 or less results when registering the calibrated fiducial marks to the scanned image.
- (c) Histogram. The histogram of scanned images must represent all the pixels with the digital image without clipping highlight or shadow detail from the image.
- (d) Color Requirements. Color balance is defined as balancing the color between the three primary colors and their complimentary secondary color. Red and cyan must be balanced. Green and magenta must be balanced. Blue and yellow must be balanced. Color saturation is achieved so that minimum colors do not look like a grayscale image and the maximum colors do not bleed into another area of the image. The scanned images shall capture red, green, and blue channels for natural color.
- (e) File Format. Tagged Image Files (TIFF). Scanned files shall be submitted in accordance with the Baseline TIFF 6.0 file format as defined in the TIFF 6.0 Specifications. All baseline TIFF 6.0 files shall store data as uncompressed RGB full-color images as defined in the specification using the “little-endian” byte order and shall only contain one image file directory (IFD). All TIFF files submitted shall be readable by older applications that assume TIFF 5.0 or an earlier version of the specification. TIFFs that use designated "Extended TIFF 6.0 file" features shall not be acceptable. Features designated as "not recommended for general data interchange" are considered extensions to the Baseline TIFF 6.0 specification, and

Digital Small Area Orthoimagery Tile Specifications” for complete specifications.

8.4 Baseline Orthophoto Control Imagery

The Contractor will not be furnished any baseline orthophoto imagery to be used for photogrammetric control for creation of the products required under this contract. As such, the Contractor is required to create any necessary control data to achieve desired results in accordance with requirements specified in the individual item.

8.5 Metadata Template

- (a) Metadata File. The Contractor will be furnished upon award one (1) data text file (.txt) containing a Federal Geographic Data Committee (FGDC) compliant metadata template to be used when creating the metadata as required below. The Contractor shall create a FGDC compliant, per the FGDC-STD-001-1998 specification, metadata file using the Government provided template for each orthophoto generated. The metadata must parse cleanly through the USGS metadata parser “mp” version 2.8.10 without any errors. The metadata file shall have the same file name as the orthophoto but with a “.met” extension.
- (b) Auxiliary File. The Contractor shall provide an ESRI Projection compatible “aux” file for each orthophoto. The file shall use the same naming convention as the CPM but with an “.aux” extension.

8.6 References

The following documents referenced in this solicitation document are considered requirements and specifications under the resulting contract(s), as applicable to the Contractor’s technical proposal:

- (a) Federal Geographic Data Committee (FGDC) Specification, FGDC-STD-001-1998 (“Content Standard for Digital Geospatial Metadata”)
- (b) Code of Federal Regulation (CFR) Title 14 (“Federal Aviation Regulations”)
- (c) GeoTIFF Revision 1.0 Specification, dated December 28, 2000 (Version 1.8.2)
- (d) TIFF Specification Revision 6 dated June 3, 1992 (Adobe Systems Inc.)

(“Accuracy Requirements” Removed)

8.7 Geo Tagged Image Files (GeoTIFF).

All orthorectified photos shall be submitted in accordance with the GeoTIFF standard as defined in the GeoTIFF Specifications.

8.8 Media Requirements

Refer to Section D-1(c) Media

8.9 Aerotriangulation Solution Report

The Contractor shall provide an Aerotriangulation (AT) Solution report generated during the AT or orthorectification processes for all orthorectified images in accordance with Section F-1.3. The report must include RMSE accuracy values for process block and for all control points. The Contractor shall also provide a list of all ground control points including their latitude and longitude, in decimal degrees.

8.10 Orthophoto File Naming

All USDA files shall be named according to the “Geospatial Datasets File Naming Standard -- <http://www.itc.nrcs.usda.gov/scdm/docs.htm>.” A directory shall be created on each hard drive and shall be named “<stnnn>” where <stnnn> is the Federal Information Processing Standards (FIPS) code for the state and county containing the images. State codes will be expressed as two-letter US Postal Office abbreviations (md, az, tx, etc.). County codes will be expressed as three-digit FIPS number (001, 015, etc.). Files shall be named “highres_<identifier>_<yyyy><sequence number>”. The identifier shall be the five-digit FIPS code and sample identification number separated by an underscore. <yyyy> is the year the photo was acquired. <sequence number> may be added if multiple photographs were taken (i.e. 1, 2, 3) to give each photo a unique name. <.tif> is the file extension. Example: Directory name: al001

File names: highres_01001_010101b_2010.tif
highres_01001_020202b_2010.tif
highres_01001_030303b_2010.img

PART I - THE SCHEDULE

SECTION D - PACKAGING AND MARKING

D-1 PREPARATION OF MATERIALS FOR SHIPMENT

(a) Aerial Film Rolls and Positive Film Transparencies. Unless otherwise specified in the individual Task Order, each original color positive film transparency shall be submitted cut and individually sleeved. See (b) Film Sleeves, next. Each exposure shall be cut from the original film roll with the data strip intact and unimpaired. Sites shall be assembled according to the groupings identified in the individual task order requirements. All transparencies shall be assembled by either county group or area in the same site numeric order as listed in the reference data. The assembled material shall be placed in a clear plastic bag with the county (or group) name identified on the outside.

(b) Film Sleeves. Every film transparency shall be protected and submitted in clear, sturdy archival quality polypropylene film sleeves in accordance with the following requirements:

- (1) Aerial film sleeve nominal dimensions: 25.4 cm (10 inches) by 24.1 cm (9.5 inches); long side open; 3.0 mil thickness.
- (2) Brand names for aerial sleeve: Picture Pocket ® Corporation, FilmGuard Corporation, or equivalent.
- (3) Film sleeves must have a fold-over lip seal located on the short side (9.5”) of the sleeve.
- (4) Original aerial film and film sleeves shall be free of any marks or labels which would obstruct any part of the film transparency.

(c) Digital Scan File(s) and Metadata (Text) Files. All text files shall be provided on the indicated media in their own clearly labeled directory(s).

(d) Media. All digital images, whether scans/orthos from film or the direct digital ortho imagery, shall be delivered on industry standard Serial ATA (Version I or II) Hard Drive Disks (HDDs) in either 3.5 inch or 2.5 inch form factors. These shall be unenclosed (bare) drives packaged in anti-static sleeves, and shipped in containers sufficient to prevent damage to the drives. The files shall not be write-protected nor require an ‘administrator’ to access them. Each hard drive shall be labeled as to content. See Exhibit 7 for labeling requirements.

D-2 PACKAGING FOR SHIPMENT

(a) All material shall be packed for shipment in such a manner that will insure acceptance by common carrier and safe delivery at destination. Containers and closures shall comply with the Interstate Commerce Commission regulations, Uniform Freight Classification rules, or regulations of other carriers as applicable to the mode of transportation. Damaged materials will be replaced by the Contractor at no cost to the Government.

equipment; execute and complete the aerial photography of the area(s) specified and deliver to the USDA the materials called for; execute all work expeditiously, to the satisfaction of the Contracting Officer or authorized Contracting Officer's Representative(s).

F-5 PERFORMANCE OF THE WORK

The Contracting Officer will authorize and direct the photographic season to begin or end anytime within 30 days before or after the approximate photographic dates given in the individual task order(s), depending upon the weather, ground, foliage, and sun angle conditions required for the project item or area. No photography shall be undertaken before the Notice to Proceed is issued or after the final date of the photographic season (or its extension) has occurred. Weather and ground conditions for all project locations will be monitored daily to determine Contractor compliance to performance requirements.

5.1 Notice To Proceed

The Notice to Proceed will be given by telephone and confirmed in writing by regular mail. Failure of the Contractor to proceed with flights on an item within 10 calendar days after a "Notice to Proceed" is given may be considered as evidence of failure to prosecute the work so as to ensure its timely completion. As evidence of performance, Progress Reports shall be submitted.

5.2 Progress Reports

- (a) Progress Reports indicating the progress made in acquiring project aerial photography shall be prepared and E-mailed in accordance with instructions on the report form. Reports shall be submitted only for days performance was accomplished. Reports shall contain a listing of sites or areas flown that date and shall be submitted in ASCII Text format. See Section J, Exhibit 4
- (b) Each progress report shall be sent not later than the day following performance to the E-mail address indicated on the form. In the event that day is a holiday or non-business day, the report shall be sent on the next business day. One copy of the report shall be sent to the e-mail address listed on the progress report form.
- (c) Separate reports are required for each project item. Such "next day" reporting shall start when the Contractor receives the Notice to Proceed, and continue until the item is completed or the photo season and any extension(s) thereof end.
- (d) If it is determined that a season extension or additional flying is required, or reflights are ordered by USDA, reports covering such performance periods shall be submitted.

5.3 Photographic Season Extension

- (a) The Government reserves the right to extend the photographic season of this contract beyond the approximate photographic period indicated in this RFP. A lower minimum sun angle requirement may be necessary to allow the season extension.
- (b) The Government may extend the season of this contract, at no increase in price, by written notice to the Contractor at any time prior to the end of the photographic

season. (Refer to FAR 52.217-08 "Option to Extend Services".)

5.4 Extension of the Term of the Contract

IT IS THE EXPRESSED INTENT OF THE GOVERNMENT TO HAVE ALL PHOTOGRAPHY REQUIRED UNDER THIS CONTRACT COMPLETED WITHIN THE PHOTOGRAPHIC PERIOD SPECIFIED IN SECTION B.

The Government reserves the right to extend the term of the contract if all photography under the contract has not been secured within the photographic period, through no fault of the Contractor.

The Government may extend the term of this contract, at no increase in price, by written notice to the Contractor within six (6) months after the photographic season has ended. The Contracting Officer may exercise this option twice. (Refer to FAR 52.217-09 "Option to Extend the Term of the Contract".)

F-6 CLAUSES INCORPORATED BY REFERENCE (FEB 1998) (FAR 52.252-02)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: www.arnet.gov/far.

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES:

- 52.242-15 Stop Work Order (AUG 1989)
- 52.242-17 Government Delay of Work (APR 1984)

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

| EXHIBIT | DESCRIPTION | PAGE |
|--------------|----------------------------------------------------------------------------|---------------------|
| Exhibit 1 | 2010 State Photo Periods (1 page) | 46 |
| Exhibit 2 | 2010 NRI Locations (4 pages) | 47-49.1 |
| Exhibit 3 | 2010 Wetland Reserve Easement Locations | 50 |
| Exhibit 4 | Progress Report (1 page) | 51 |
| Exhibit 5 | Packing Slip (1 page) | 52 |
| Exhibit 6 | Non-Disclosure Agreement (2 pages) | 53 - 54 |
| Exhibit 7 | Serial ATA (SATA) I or II Hard Drive Label (1 page) | 55 |
| Exhibit 8 | Glossary and Definitions (1 page) | 56 |
| Exhibit 9 | Wage Determination (3 pages) | 57 - 59 |
| Attachment A | USDA Aerial Film Camera Specifications (8 pages) | Separate Attachment |
| Attachment B | Direct Digital Camera Specifications for 2010 NRCS Digital Study (4 pages) | Separate Attachment |
| Attachment C | USDA Direct Digital Small Area Orthoimagery Tile Specification (15 pages) | Separate Attachment |
| Attachment D | State NRI Site and WRP Exposure Information (5 pages) | Separate Attachment |
| Attachment E | FY 2010 Oversized NRI Location Maps (9 Pages) | Separate Attachment |

EXHIBIT 2(a)
2010 NRI Locations (4 Pages)

2010 NRI CONUS Sample (70,076 Sites)

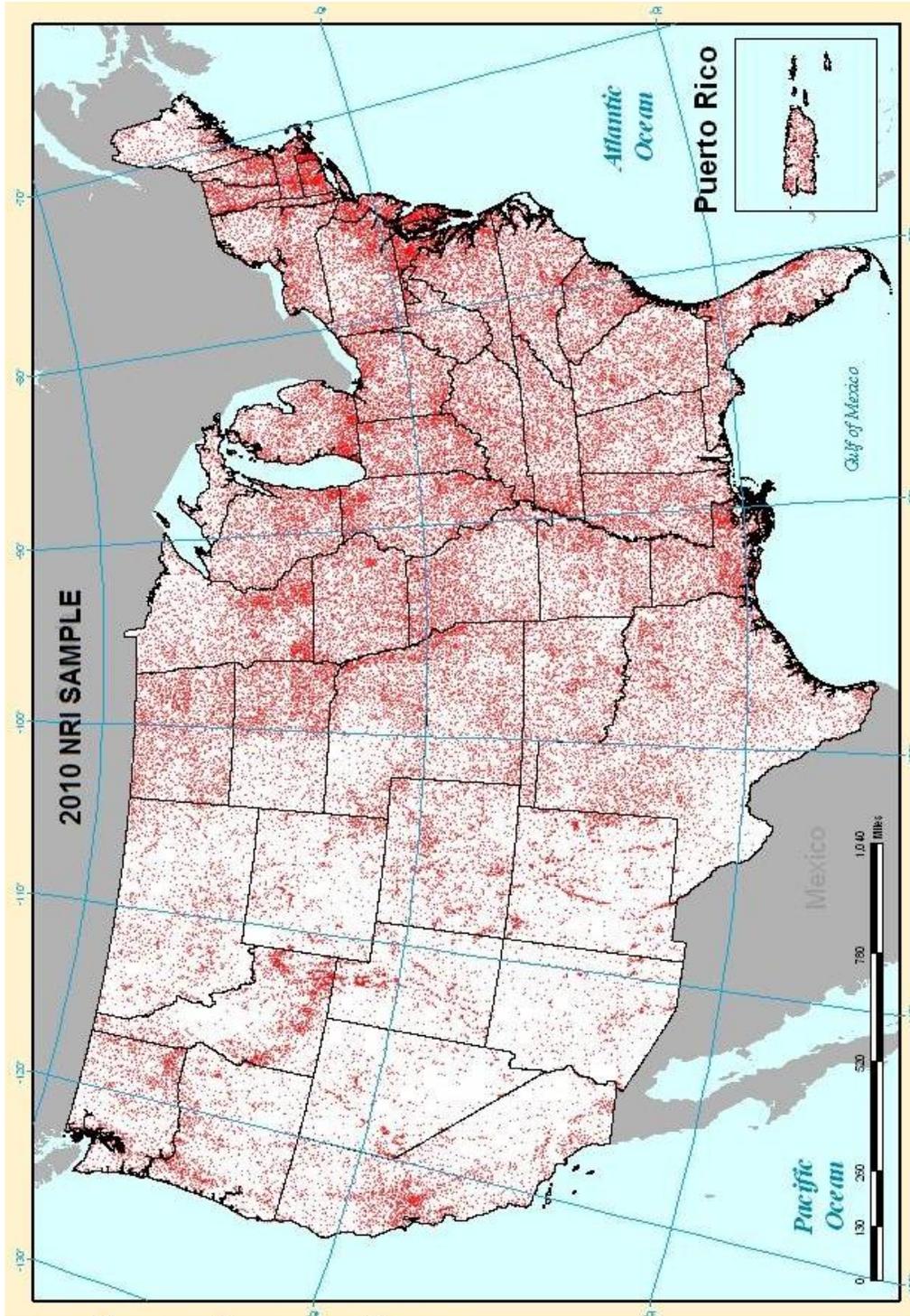


EXHIBIT 2(b)
2010 NRI Locations (4 Pages)

2010 NRI Hawaii (375 Sites)

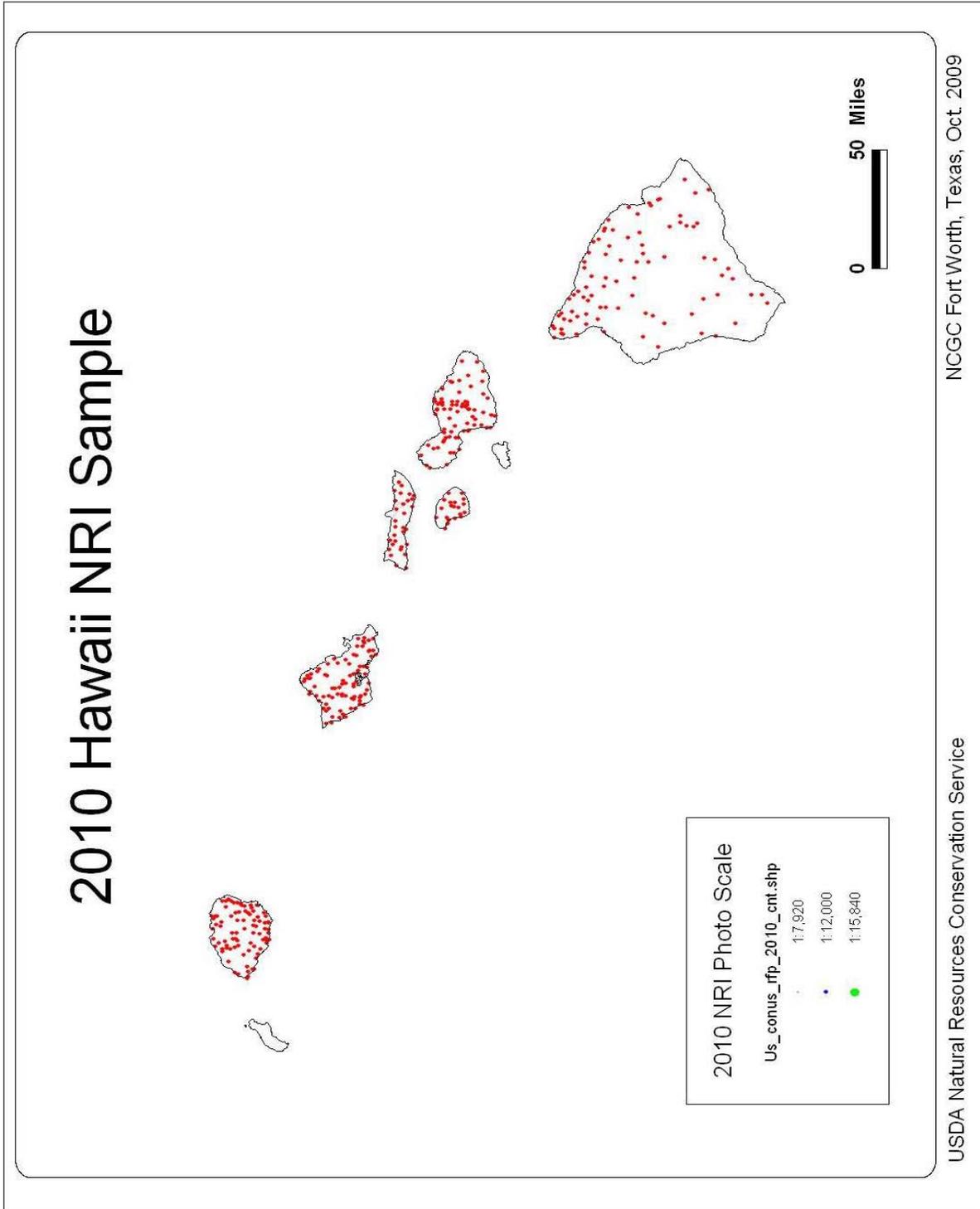


EXHIBIT 2(c)
2010 NRI Locations (4 Pages)

2010 NRI Puerto Rico and the US Virgin Islands (450 Sites)

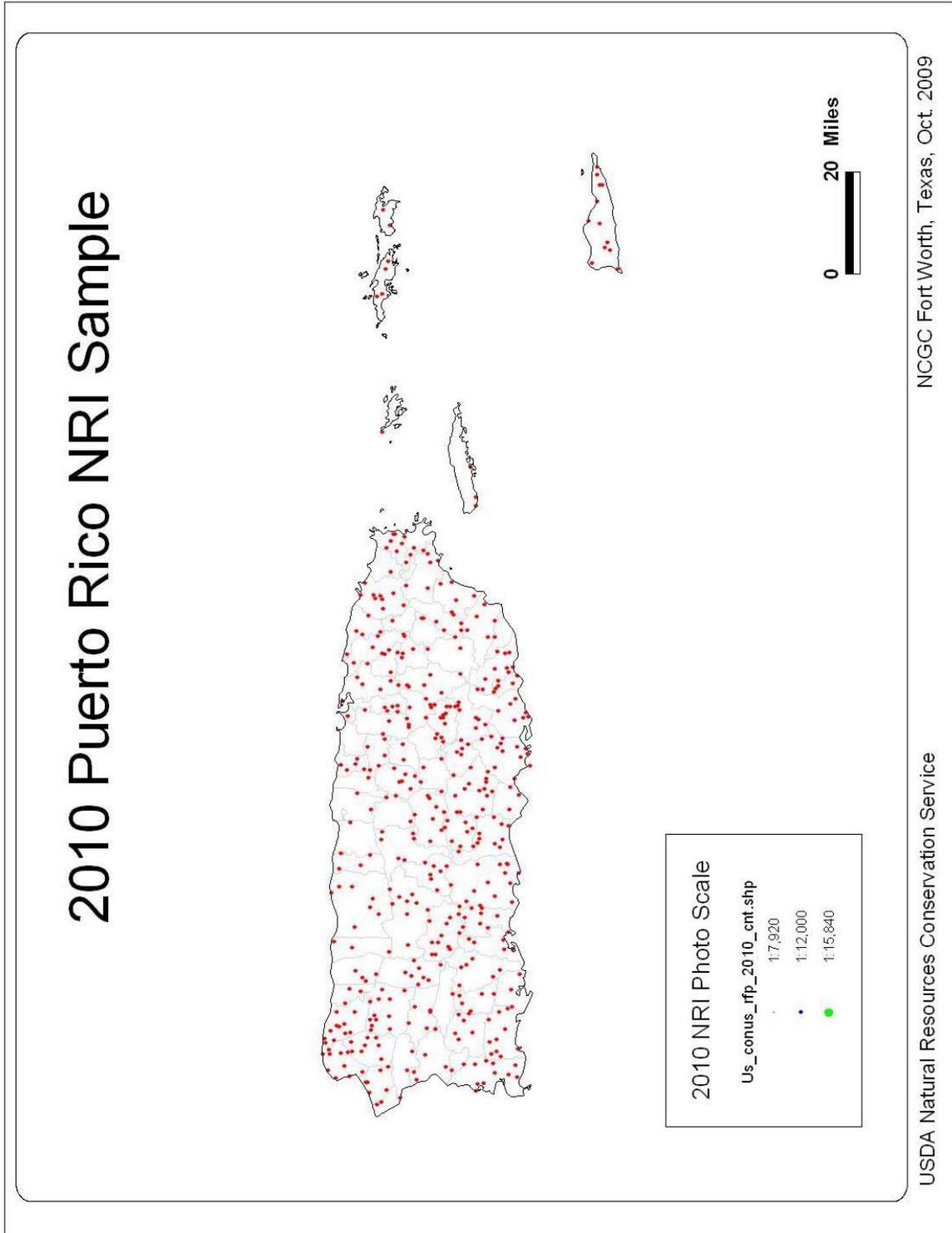
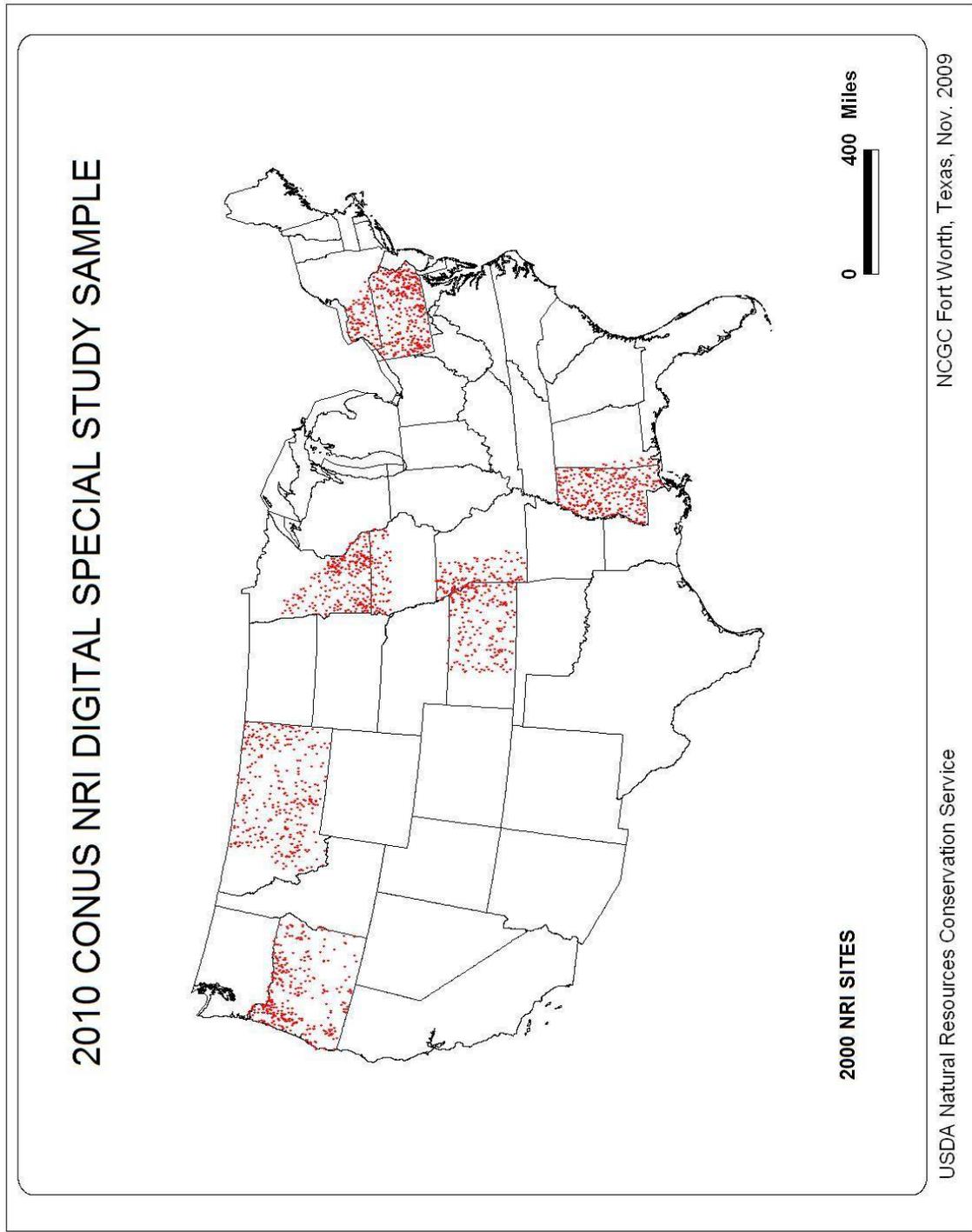


EXHIBIT 2(d)
2010 NRI Locations (4 Pages)

2010 CONUS NRI DIGITAL SPECIAL STUDY SAMPLE (2000 Sites)



list includes Project Manager, Aircraft Pilot(s), Aerial Photographer(s), and key back-up or support personnel. Brief resumes may be provided on separate papers for the personnel listed, stating name, title, education, past experience, and years of experience.

(e) Aircraft and Camera Availability

List all aircraft and cameras intended to be used in completion of this contract in the appropriate locations in Section K of the solicitation document. If availability of equipment is contingent on other contractual commitments running concurrently with the work contemplated by this solicitation, indicate such in proposal statement.

(f) Incomplete Contracts

List all incomplete contracts which require performance during the approximate photographic period indicated in Section B and affect equipment and personnel listed herein. List shall include project name, client, and remaining linear miles. Total remaining linear miles shall be summarized in the appropriate location in Section K of the solicitation document.

2.4 Solicitation Document and Supporting Data

The offeror's proposal must include the following required information and supporting data specified in the solicitation document:

Section J:

- (a) Signed Non-Disclosure Agreement (Exhibit 6)

Section K:

- (a) Annual Representations and Certifications,
- (b) Incomplete Contracts as of Date of Proposal,
- (c) Aircraft to be used in Completion of the Contract,
- (d) Cameras to be used in Completion of the Contract,
- (e) Past Performance References (if required),
- (f) Key Personnel to Perform on the Contract.

Section L:

- (a) Camera Calibration Report(s),
- (b) Current Financial Statement.

The solicitation document may be submitted in its entirety, complete with Sections C through M (preferred), or at a minimum with Standard Form SF-33, and Sections B, K & L.

L-3 CAMERA CALIBRATION REPORT

Each offeror shall have on file with the Aerial Photography Field Office, or shall submit with the offer, one copy of a Report of Calibration from the U.S. Geological Survey for each camera to be used. A camera calibration report will not be acceptable if more than three years old at the time of the scheduled date for receipt of offers. Please indicate which statement is correct:

- Calibration report on file at APFO.
- Calibration report submitted with offer.

3.1 Contract Award

The contract will be awarded to that responsive and responsible offeror whose proposal represents the greatest value and is determined to be in the best interest and the most advantageous to the Government, price and other factors considered.

3.2 Possibility of Award Without Discussion

Notice is given to all offerors that there is a possibility that award may be made without discussion or further negotiation. Proposals should be submitted initially on the most favorable terms, from a price and technical standpoint, which the offeror can submit to the Government.

3.3 Required or Requested Information

Award will be made only in conjunction with proposals from responsible prospective Contractors. Failure to provide the information, material, and/or documentation either required in Sections K and L, or requested by the Contracting Officer, within eight (8) calendar days of the request, may result in the proposal being rejected.

M-4 EVALUATION EXCLUSIVE OF OPTIONS (APR 84) (FAR 52.217-3)

The Government will evaluate offers for award purposes by including only price for the base requirement; *i.e.*, options will not be included in the evaluation for award purposes.