

WASHINGTON COUNTY
RFP 2015-04
ATTN: Alisha Willett
280 N College Ave, Suite 530
Fayetteville, AR 72701



INVITATION TO BID
DUE: 2:00 PM – November 23, 2015
Sealed Bids must be clearly marked on the
outside of the package with:
**“RFP 2015-04 Assessor 6 Year
Imagery”**

BIDS WILL BE OPENED November 23, 2015 @ 4:00 PM
LOCATION: WASHINGTON COUNTY COURTHOUSE
280 N. COLLEGE AVE, SUITE 531, FAYETTEVILLE, AR 72701

RFP 2015-04 Assessor 6 Year Aerial Imagery Project

GENERAL: Washington County is requesting competitive sealed bids for the Assessor’s 6 Year Aerial Imagery Project.

GENERAL SPECIFICATIONS: The purpose of this solicitation is a request for proposal from qualified organizations experienced in digital ortho production, digital oblique production, ground control, and digital elevation model compilation and usage.

REQUIREMENT: Bidders failing to comply with any of the following requirements will not be considered for the evaluation and award process:

1. Bidders must quote 100% of all items within each category.
2. Bidders are required to list brand names on the items bid.

INFORMATION: Bidders shall direct bid inquiries to the Washington County Purchasing Office. For additional information, email Purchasing at purchasing@co.washington.ar.us.

FOR EVALUATION PURPOSES WE REQUEST THAT YOU SUBMIT ONE (1) ORIGINAL AND FOUR (4) COPIES OF YOUR BID IN A SEALED ENVELOPE LABELED “RFP 2015-04 Assessor 6 Year Imagery”.

It is solely and strictly the responsibility of the bidder to ensure that the bid is received by the Washington County Purchasing Division on or before the specified date and time.

LATE BIDS WILL NOT BE ACCEPTED.

The undersigned hereby offers to furnish & deliver the articles and/or service as specified, and all parts of this offer at the prices & terms stated herein, and in strict accordance with the specifications and general conditions of bidding, all of which are made a part of this offer. This offer is not subject to withdrawal unless upon mutual written agreement by Bidder and Washington County

Name of Firm: _____

Contact Person: _____

Title: _____

E-Mail: _____

Phone: _____

Business Address: _____

City: _____

State: _____

Zip: _____

Signature: _____

Date: _____

TERMS AND STANDARD CONDITIONS

1. When submitting a Bid, the bidder warrants that the commodities covered by the bid shall be free from defects in material and workmanship under normal use and service. In addition, bidder must deliver new commodities of the latest design and model, unless otherwise specified in the "Bid".
2. Sales or use tax is not to be shown in bid prices; however it must be added by the vendor to all invoices or billings. The County is not exempt from Arkansas Sales and Use Tax. Vendors are to register and pay **both taxes** directly to the Arkansas State Revenue Dept.
3. When bidding other than the brand and/or model specified in the Bid, the brand and/or model must be listed and descriptive literature attached to bid document.
4. Identical Bids: In the event of two or more identical low bids, Arkansas Code Annotated Section 14-22-111 shall apply.
5. Specifications furnished with this Bid are intended to establish a desired quality or performance level, or other minimum dimensions and capacities, which will provide the best product available at the lowest possible price. Other than designated brands and/or models approved as equal to designated products shall receive equal consideration.
6. Prices quoted shall be "Free on Board" (F.O.B.) to destination at designated facility within Washington County. Charges may not be added after the bid is opened.
7. In the event a contract is entered into pursuant to the Bid, the bidder shall not discriminate against any qualified employee or applicant for employment because of race, sex, color, creed, national origin or ancestry. The bidder must include in any and all subcontracts, a provision similar to above.
8. The Purchasing Department reserves the right to award items, all or none, or by line item(s).
9. Quality, time and probability of performance may be factors in making an award.
10. Guarantees and warranties should be submitted with the bid, as they may be a consideration in making an award.
11. Any ambiguity in any bid as the result of omission, error, lack of clarity or noncompliance by the bidder with specification, instructions and all conditions of bidding shall be construed in the light most favorable to the County.
12. The bid number, name and address of bidder must be stated on the face of the sealed envelope. If it is not, the envelope will be opened to identify and the bid enclosed therein will not be considered or counted in the tabulation.
13. All terms and conditions stated herein shall constitute a complete and integrated document and the covenants contained herein shall not be altered or modified by parole evidence unless such modifying term, conditions or covenants are in writing and are signed by the vendor and the agent of Washington County.
14. Washington County reserves the right to reject any and all bids, to accept in whole or in part, to waive any informalities or technicalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired and unless otherwise specified by the bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, Washington County may accept the bid for the lesser amount whether reflected by the extension or by the correct multiple of the unit price.
15. All bids **must meet or exceed** the requirements of the bid documents and must be submitted on the proper bid forms as prepared and provided by the county.
16. No contract or agreement may contain an indemnification clause, or an arbitration clause; if such a clause is present in any contract or agreement, such shall be deemed stricken and null and void.
17. All contracts or agreements shall be governed by the State of Arkansas and venue shall lie in Washington County, Arkansas. Any Provisions to the contrary shall be deemed stricken and null and void.

1. BID SECURITY

A. All bids are required to include a Bid Security with the bid. Make Bid Security payable to Washington County, Arkansas in an amount equal to five percent (5%) of the bid sum. Bid Security may be in the form of following:

1. **Bid Bond** issued by a surety licensed to conduct business in the State of Arkansas
2. **Certified Check**
3. **Cashier's Check**
4. **Letter of Credit from their Bank**

B. The successfully bidder's Bid Security will be retained until he has signed the contract agreement and furnished the required insurance certificates, and furnished Performance and Payment bonds.

C. The owner reserves the right to retain the security of the two next lowest bidders until the lowest bidder enters into contract or purchase order agreement or until 60 days after bid opening, whichever is shorter. All other bid securities will be returned as soon as possible. If a bidder refuses to enter into a contract, the owner will retain his Security as liquidated damages, but not as a penalty.

AFFIRMATIVE ACTION AND EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES

Contractor, subcontractor and/or seller agrees that the performance of any work or sale pursuant to this bid is and shall in all respects be in strict compliance with all County, State and Federal laws as well as such rules, regulations, ordinances, proclamations, demands, directive, executive orders or other requirements issued pursuant thereto by the municipal, state and federal governments and all subdivisions thereof which now govern or may thereafter govern the manufacture, sale or delivery of the Goods contemplated by this bid including but not limited to the provisions of (i) Sections 6, 7 and 12 of the Fair Labor Standards Act, as amended, and the regulations and executive orders issued thereunder, (ii) the Equal Employment Opportunity clause in Section 202 of Executive Order 11246, as amended, and the implementing rules and regulations (41 CFR, Part 60) and executive orders issued thereunder, (iii) the Affirmative Action Clauses and regulations of Section 503 of the Rehabilitation Act of 1973, as amended, and Section 402 of the Vietnam Era Veterans Readjustment Act of 1974, as amended, and executive orders issued thereunder, and (iv) all laws, interim and permanent standards, rules, regulations and executive orders of the Occupations Safety and Health Act and all state and federal laws and regulations relating to safety and health standards. Seller agrees upon request to furnish Buyer with a certificate of compliance relating to any such laws in such form as Buyer may require. Seller agrees to indemnify and hold harmless from any liability arising from any failure of the Goods purchased under this bid from complying with such laws and regulations.

2. SCOPE

The purpose of this request for Bid is to establish a contract for aerial imagery for the Washington County Assessor's Office.

3. CONTRACT

3.1 If applicable a sample of the vendor's contract should accompany the bid.

3.2 The term of the contract shall be one year from date of award,

4. SUBMISSION OF BIDS

All bids will be submitted on the forms provided by the County. All bid forms must be signed by a representative of the company having the legal authority to bind the bidder contractually. Bidder's signature on the face of the bid form indicates bidder's agreement to be governed by Federal, State and County laws and regulations.

Should a bidder find discrepancies in the specifications, or should (s)he be in doubt as to the meaning or intent of any part thereof, bidder must, no later than 48 hours prior to the bid opening, request clarification from the County.

Written requested maybe emailed to purchasing@co.washington.ar.us. Oral instructions or explanations will not be binding. Only written addenda shall be binding. Any addenda resulting from these requests for clarification will be faxed or delivered to all listed holders of the bid document and posted on the County web-site. Bidders shall acknowledge the receipt of all addenda. Any addenda or bulletins issued during the time of bidding shall become part of the documents provided to bidders for the preparation of their bids. Any such addenda or bulletins shall be covered in the bid, and shall be made part of the resulting agreement.

5. EXCEPTIONS

In the event a bidder desires to take exception to any term or condition set forth in the Sample Agreement, and/or any of its Exhibits and Attachments, said exceptions must be clearly identified in the response to this Request for Bid. **Exceptions or deviations to any of the terms and conditions must not be added to the Request for Bid pages but must be a separate document accompanying the bid.**

Should the County omit anything from this bid request which is necessary to provide a clear understanding of the work, or should it appear that various instructions are in conflict, then the bidder shall secure written instructions from the Purchasing Department at least forty-eight (48) hours prior to the time and date of the bid opening shown on page one (1).

6. NOTICE TO BIDDERS

The County may not consider bids from individuals, contractors, firms or corporations included in the following categories:

- A. Any organization or individual currently in arrears or in default to the County on a previous debt or contract.
- B. Any organization or individual currently in default as surety, or otherwise, for any obligation to the County.
- C. Any organization or individual who has previously failed to faithfully perform a contract with Washington County.

7. AWARD OF CONTRACT

In as much as time is of the essence bidders are advised that contract award will be made to the bidder with:

7.1 The lowest responsible and responsive bid and,

7.2 The compliance with specifications.

Washington County reserves the right to reject any or all bids submitted in response to this solicitation, to waive an informality or technicality, or to accept bids deemed to be in the best interest of the County.

8. GENERAL SPECIFICATIONS

It is the intent of this Invitation to Bid to solicit bids for services required by the Washington County Assessor's Office.

SPECIFICATIONS FOR RFP 2015-04

WASHINGTON COUNTY ASSESSOR'S 6 YEAR AERIAL IMAGERY PROJECT

ISSUE DATE: OCTOBER 25, 2015

ISSUED BY: Washington County Purchasing Office
Attn: Alisha Willett
280 N College Ave, Ste 530
Fayetteville, AR 72701
purchasing@co.washington.ar.us

INQUIRIES: Sita Nanthavong
GIS Coordinator, Washington County
479-444-1892
479-444-1518 FAX
snanthavong@co.washington.ar.us

PROPOSAL DUE: **NOVEMBER 23, 2015 by 2:00 p.m. Central Time**
Washington County Purchasing Office
Attn: Alisha Willett
280 N College Ave, Ste 530
Fayetteville, AR 72701

PROPOSAL OPENING: **NOVEMBER 23, 2015 by 4:00 p.m. Central Time**
Washington County Purchasing Office
Attn: Alisha Willett
280 N College Ave, Ste 530
Fayetteville, AR 72701

Washington County's Aerial Photography Project
Request for Proposal 2015-04
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**Washington County's Aerial Photography Project
Request for Proposal 2015-04**

SECTION 8.1 – BACKGROUND*A. Introduction*

The purpose of this Request for Proposal (RFP) is to provide information to prospective vendors (hereinafter referred to as Vendor or Respondent) for the submission of sealed bids to be considered by Washington County (hereinafter referred to as COUNTY) to generate digital color ortho and oblique photography and related product(s) for an approximately 1043 square mile area covering Washington County in Arkansas and possibly 13 square mile area covering Benton County that meets NMAS. Our intent is to contract for ortho and/or oblique photography for the entire geographic area including a part of Benton County in the first year of flight. This RFP will outline the minimal functional and technical requirements required of all bids to be given consideration by the COUNTY.

The solicitation is a request for proposal from qualified organizations experienced in digital ortho production, digital oblique production, ground control, and digital elevation model compilation and usage.

Funding has not been secured for any portion of this project. Alternate proposals may be considered that do not meet the desired goals of this RFP due to funding constraints. There will be several bid options including 6", both 6" and 9" orthos, and obliques. Additional proposals may be considered. For example: Digital ortho and oblique photography is desired but a film based product may be considered. For example: Six inch pixel resolution with an accuracy of 3.3 is desired but a lower accuracy standard may be considered. Additionally, an ortho and oblique product is the desired product. At least base bid or one Option must be bid and an additional option may be added by vendor. Any delivery proposal for the County beyond Apr 1 will not be considered. Any portion or combination of any Option must be able to be contracted.

B. Geographic Area

The project area is approximately 1056 square miles. This includes all of Washington County and a portion of Benton County located in the state of Arkansas, including 13 square miles in Benton County.

C. Statement of Work

The COUNTY desires to have aerial photography obtained, orthorectified and delivered in accordance with the specifications described herein. A digital elevation model (DEM) will be provided that was created based on a 2015 project. The orthophotos are intended to support a host of geographic information needs including but not limited to: road (centerline) development and inventory, property analysis and assessment, shoreline management, etc. All information is desired to be delivered in accordance with the Federal Emergency Management Agency (FEMA) specifications and any other standards specified herein. These technical specifications reflect the methodologies the COUNTY believes should be utilized to provide the quality and accuracy of the end-products they require. We realize, however, that technologies are continually changing, and for that reason are open to alternatives.

The vendor shall execute and complete all work required by the contract in conformance with these specifications and any contractual modifications or additions to these specifications. The contract shall be completed within a maximum of 120 calendar days upon execution of a signed contract with products being delivered no later than **1 Apr 2016**. Contract negotiations will be required to be final by **December 15, 2015**.

It is expected that all products produced from this project meet 1"=100' scale accuracy for the 6 inch pixel orthos or 1"=150' scale accuracy for the 9 inch pixel orthos. It is not required to bid on all options. Any proposal that does not plan to meet these requirements must submit a proposed accuracy plan including a clear product deliverable for the project and statements of concerns and benefits for suggested plan.

Digital ortho products need to meet 3.3 feet horizontal accuracy at a 95% confidence level and a 1":100' mapping scale (according to NMAS) and 6.6 feet horizontal accuracy at a 95% confidence level and a 1":200' mapping scale (according to NMAS) for 12" area. National Standards for Spatial Data Accuracy (NSSDA) test will be used to verify acceptance of final products. The services and products sought by this procurement should be accomplished under the direct supervision of an active American Society for Photogrammetry and Remote Sensing (ASPRS) Certified Photogrammetrist.

The COUNTY also desires a building footprint dataset. It is expected that all structures within the project area that are over 150 square feet will be digitally outlined. The results will be delivered in a polygon shapefile and geodatabase format.

Any proposal that does not plan to meet these requirements must submit a proposed accuracy plan including a clear plan of action for the project and statements of concerns and benefits for suggested plan.

SECTION 8.2 – INSTRUCTIONS FOR PROPOSAL

A. Proposal Deadline

The response to this request for proposal (RFP) is due on **November 23, 2015 by 2:00 p.m. central time**. You must submit (1) original & four (4) complete copies of the proposal, including the original proposal.

Proposals should be addressed to:

Washington County Purchasing
ATTN: Alisha Willett
280 N College Ave Ste 530
Fayetteville, AR 72701

Point of Contact (POC) for questions during bid process will be:

Purchasing@co.washington.ar.us

Or

Sita Nanthavong
GIS Coordinator, Washington County
479-444-1892
479-444-1518 FAX
snanthavong@co.washington.ar.us

Any requested information given by telephone will be considered informal and non-binding. FAX or email messages will be treated as written questions. No written questions will be answered after November 20, 2015. Substantive requests for information received prior to the deadline may be responded to in writing by the COUNTY in the form of an addendum to this RFP addressed to all recipients. General question and answers may be posted to the website for additional clarification.

No pre-bid meeting will be held for this solicitation.

B. Disclaimers

The COUNTY reserves the right to withdraw this RFP at any time for any reason, and to issue such clarifications, modifications, and/or addendums as deemed appropriate. The COUNTY reserves the right to waive minor variances in proposals, provided they are in the best interest of the COUNTY and its partners or constituents. Any such waiver shall not modify any remaining RFP requirement.

C. Rejection of Proposals

The COUNTY reserves the right to accept or reject in part or in whole any or all proposals submitted. Proposals may be either mailed or hand-delivered. If the proposal is sent by mail, the applicant shall be responsible for actual delivery of the proposal to the proper office before the deadline. Any proposals received after the deadline by any delivery method will be returned unopened.

Upon submission, all proposals become the property of the COUNTY.

D. Proposal Term

The successful respondent shall be required to (a) furnish all tools, equipment, supplies, supervision, transportation, and other execution accessories, services, and facilities; (b) furnish all materials, supplies, and equipment specified and required to be incorporated in and form a permanent part of the completed work; (c) provide and perform all necessary labor; and (d) execute and complete all specified work to the satisfaction of the COUNTY in accordance with good technical practice, with due diligence, and in accordance with the requirements, stipulations, provisions, and conditions of this document and the resultant contract.

Products included under the contract shall be delivered on a schedule to be agreed upon with COUNTY representatives. Upon acceptance of each product by the COUNTY, the Vendor may submit invoices for payments in accordance with a schedule to be negotiated. The COUNTY will evaluate and accept or reject products for the purposes of payment within 45 calendar days of receipt of the deliverable products. The COUNTY will remit payment within 45 calendar days of approved final product. Payments will be made for accepted products only, and will not be made for work in progress.

Contract negotiations will include but not be limited to surety and insurance, indemnity, late charges, controlling law, etc.

SECTION 8.3 – PROPOSAL CONTENT**A. Cover Letter**

A cover letter is requested introducing your company as a responsible vendor responding to this RFP.

B. Cost Worksheet

Vendor shall submit a cost proposal in the format supplied with this request. See appendix A.

C. Executive Summary

An Executive Summary should be prepared describing the major facts or features of the project, including any conclusions, assumptions, and generalized recommendations the Respondent desires to make. The summary should be no longer than two (2) pages, and should contain a brief

summary of your firm's understanding of this project, and some of the key advantages of your firm and/or its approach.

D. *Vendor Profile*

Provide the following Company Profile information relative to your firm. If you are proposing to subcontract some of the proposed work to another firm, similar information must be provided for each subcontractor. The length of the company profile should not be more than 2 pages per firm.

1. Firm name and business address, including telephone number and facsimile numbers, and email address.
2. Year established (include former firm names and year established, if applicable, years in operation under each name) and number of years providing the proposed types of services.
3. Type of ownership and parent company, if any; pending ownership changes, if any.
4. Indication of whether the firm is licensed to do business in the State of Arkansas.
5. Address and telephone number of production facility(ies) where the work is to be accomplished (if different than Item 1).
6. Project manager's name, address, and telephone/facsimile numbers, email address (if different from Item 1).
7. Work to be accomplished by each company included on the team.
8. Describe how you anticipate organizing your team for this project. Provide a listing of key project team members who will be involved. Provide resumes for the principal-in-charge, project manager, and other key managerial staff and technical staff. Do not include resumes for persons not directly involved in this project. It will be required that the key people proposed for the project actually participate. If subcontractors are to be used, the same information should be provided for each subcontracting firm.

E. *Experience and References*

Proposals shall include the names of a minimum of 10 client project managers who have received similar product(s) with a description of project.

In addition to the firm's references, also provide the following information on the experience of key personnel assigned to this project:

1. Name and Title
2. Project Assignment
3. Years of Experience with this firm and with other firms
4. Education: Degree(s) /Year/Specialization
5. Active Registrations
6. Other relevant experience and qualifications to the proposed project complete with client name, phone number, and contact
7. Samples of similar work.

F. *Implementation Plan*

Respondent must provide a description of the implementation plans for all project phases. This plan must include the elements described below. The implementation plan must identify all project team members and include all individuals and/or organizations responsible for each phase of the work. The implementation plan must include a schedule of events in narrative and chart form. The schedule must include but is not limited to the following milestones:

1. Providing a single point of contact
2. Confirmation of receipt and validity of all information supplied by the COUNTY

3. Completion and processing of ground control
4. Bi-weekly status report to include a map showing area and percent complete for imagery.
5. Delivery schedule of digital data files.

The implementation plan must also include a narrative detail proposed procedures, including but not limited to:

1. Ground control collection methods and distribution,
2. Aerial triangulation procedures including use of automated procedures, software, etc.
3. Equipment, hardware, and software to be used.

G. Delivery Schedule

Respondent must provide a proposed delivery schedule. Indicate how delivery will be made of the data to COUNTY by the vendor.

H. Payment Schedule

Respondent must provide a payment schedule for delivery.

I. Additional Information

Provide any additional information necessary to complete this proposal.

SECTION 8.4 – EVALUATION AND SELECTION CRITERIA

A. Evaluation Methodology

Award shall be made to the vendor whose proposal is determined to be the most advantageous to the COUNTY and its partners or constituents, taking into consideration price and all other evaluation factors set forth in this request for proposal.

Final determination will not be based on price alone. Proposals will first be examined to eliminate those which are non-responsive to the stated requirements. Vendors should exercise particular care in reviewing Section 3, the proposal content section of this RFP. The proposals which meet the criteria set out in the RFP will be evaluated in detail for the quality of the response.

B. Evaluation Criteria

The criteria listed below, shown in order of importance, will be used in the evaluation of the proposals received.

1. Demonstrated understanding of the needs of the project.
2. Soundness of respondents approach to the needs of the project, including respondent's methodology for achieving specific tasks and objectives.
3. Applicability of respondent's proposed fee.
4. Qualifications of the project personnel and respondent's ability to commit sufficient and capable staff to support the project.
5. Ability to complete the project in the specified time frame with minimal deviations from the necessary requirements.
6. Also may include but not be limited to surety and insurance, indemnity, locations work will be performed, late fees, etc.

C. Exceptions

Respondents must acknowledge and respond to each and every element required in this document in order for their proposal to be accepted as responsive. However, it is anticipated that

certain vendors may utilize terminology, or employ techniques that differ from those described in the specifications. All exceptions in the respondent's proposal shall be clearly identified, and shall include the scope of such exception, their effect on all impacted items, and a description of functional and cost advantages and disadvantages should the COUNTY accept such exceptions. The COUNTY shall make a final determination as to the responsiveness of such exceptions and their acceptability.

The respondent shall be fully responsible for all costs incurred in the development and submission of this proposal. The COUNTY assumes no contractual obligation as a result of the issuance of this proposal request, the preparation or submission of a proposal by a Respondent, the evaluation of proposals, or final selection being made.

SECTION 8.5 – TECHNICAL SPECIFICATIONS

A. Work Statement

The purpose of the contract to be awarded is to produce a complete set of digital ortho and oblique photography for the project area. The vendor shall utilize established methods and equipment specifically designed for photogrammetry applications. Automated feature extraction, auto-correlation of surface points or mensuration positions will be considered if included in the proposal.

The COUNTY will provide the vendor with the following:

1. Digital Elevation Model(s) (DEM) – (see metadata)
 - a. County
 - b. Local DEM's
2. Map of proposal area - see Appendix B
3. Shape files of county boundary
4. Metadata of DEM

B. Aerial Photography Flight and Collection

1. Aerial photography shall be flown to collect photography in accordance with the map provided in Appendix B.
2. Photo scales shall be no smaller (higher altitude) than 1"=800' for the 6" pixels areas and 1"=1200' for the 9" pixel areas.
3. Accuracy standards specified in Section 1 will be met for all imagery.

C. Horizontal and Vertical Control

Sufficient horizontal and vertical control points to support this project must be established by the vendor. All control must be included in the final deliverable to the COUNTY. The vendor will determine the number, distribution, and collection method (GPS, total stations, etc.) of ground control points required to meet the accuracy specifications.

D. Digital Ortho Rectified Photography

1. Digital orthos shall be created from existing DEM provided by the COUNTY as listed in 5a.
2. All additions and corrections by vendor to existing DEM required to accomplish the rectification to the specified accuracy will be merged by the vendor into the existing DEM and delivered to the COUNTY as an updated DEM.

3. Digital orthos shall be delivered in Arkansas State Plane North, North American Datum 1983, United States Feet
4. All data will be delivered in a vendor derived grid system or a USGS Quad system. In this proposal we will make reference to USGS quads only to describe a grid or tile system.
5. At a minimum, digital orthos shall be delivered in the following formats. In no instance should any file size be greater than 5 GB:
 - i. Geo-tiff (projection information embedded in the tiff image header) a tfw for each image shall be supplied as well in quarter-quarter quadrangle format.
 - ii. Mr. SID (compressed 20:1) and "world file" (sdw) for each image shall be supplied in a USGS quarter quad format. These files shall mosaic together with no seam lines and no black or no data areas without regard to layer schema or order placement of tile layers.
 - iii. Mr. SID mosaic of urban corridors (an sdw for each image shall be supplied as well) compressed approximately 50:1 and 20:1. This file shall contain no seam lines and no black or no data areas along borders.
 - iv. Mr. SID mosaic of the county (an sdw for each image shall be supplied as well) compressed approximately 50:1. This file shall contain no seam lines and no black or no data areas along borders.
 - v. Mr. SID generation 2.0 mosaic of entire project area and world file approximately 50:1 with a minimum number of tiles.
6. Digital orthos shall be mosaiced to derive a single seamless orthophoto for each USGS quadrangle format requested. It is recommended that a 100 foot border be included around each Sid image. Horizontal displacement of features at mosaicing will be just cause for rejection of the orthophoto. Individual tiles must also be seamless without regard to tiling schema or layer schema or order placement of tile layers.
7. Digital orthos shall have a contrast tonal balance of the completed mosaic to remove contrast differences across mosaic lines.
8. Digital orthos shall have a contrast adjustment across all contiguous tiles such that the overall project appears similar in tone.
9. Each ortho image will be checked for accuracy on screen. All visible control points will have their x, y, and z coordinates displayed and compared to the project Control Database values: checked points must fall within the horizontal mapping accuracy 3.3 feet at 95% confidence level or 4.4 feet at 95% for nine inch data.

E. Digital Ortho Additional Requirements

An overlap between each geo-tiff file of 100 feet shall be required for re-projection and 300 feet beyond all boundaries shall be maintained.

1. Vertical aerial photography will be accomplished during the winter of 2015 or early spring 2016 during the conditions when deciduous trees are barren, when the sun angle is greater than 30 degrees (approx 10am-2pm CT). Photography will not be undertaken when the ground is obscured by snow, haze, fog, smoke or dust; when streams are not within their normal banks; or when clouds' shadows appear in more than five percent (5%) of the area in any one photograph. Photography flights should be conducted during the period of **December 1, 2015, to February 28, 2016**, conditions permitting.
2. Color aerial photography at a photo scale of 1"=800' and 1"=1600' (+/-4800 above ground level and 7900 respectively) shall be obtained.
3. Aerial photographs shall have a minimum of sixty percent (60%) forward overlap, thirty percent (30%) side-lap, with crab and tilt not to exceed three degrees (3°) with respect to adjacent photographs.
4. The aerial camera shall be a precision aerial mapping camera equipped with forward motion compensation (FMC) and a low distortion, high resolution lens. A USGS camera calibration report, no more than three years old, shall be submitted with the flight plan prior to the photo mission.
5. Aerial GPS and IMU must be used.

SECTION 8.6 – TECHNICAL SPECIFICATIONS FOR DIGITAL ELEVATION MODEL

Digital elevation model if required to be modified shall meet minimum standards National Mapping Accuracy Standards (NMAS) and FEMA mapping requirements. Provide very detail specifications for any method that will be used. All additions and corrections by vendor to existing DEM required to accomplish the rectification to the specified accuracy will be merged by the vendor into the existing DEM and delivered to the COUNTY as an updated DEM.

SECTION 8.7 – INSPECTION, EDITING, AND ACCEPTANCE PROCEDURES OF DIGITAL FILES*A. Inspection*

Initial deliveries meeting the negotiated schedule will be checked within 45 calendar days of delivery. Files will be subject to a combination of selective field and source inspections, which may include the following:

1. Mounting, manipulation, and display of digital files on existing system
2. Digital image quality and comparison of file content to the corresponding photography/imagery
3. Comparison of coordinated positions of well-defined features for the orthophotographs and photogrammetrically compiled data

B. Editing

1. All edits or resubmissions required by the COUNTY after quality inspection must be completed and new files submitted within 10 days of their return to the vendor.

C. Acceptance

1. Final acceptance will be determined by the project manager for the Northwest Arkansas Regional Planning Commission.
2. All final deliverables will be the sole property of the Northwest Arkansas Regional Planning Commission and may be distributed broadly for no fee to the Respondent.

D. Vendor Facility Visit

1. COUNTY or its partner or constituents may make random visits to verify contractual compliance.

SECTION 8 – Appendix A – Bid Schedule

BID SCHEDULE

Base bid is the desired product. The item(s) that best meet the goals and/or funding of participating partners will be considered. Funding has not been secured for any product at this time.

BASE BID

6" ortho and oblique with software (Map 2, Base Bid, Appendix B) Washington County (approx 377 sqmi) \$ _____

6" ortho and oblique with software (Map 4, Base Bid, Appendix B) Benton County (approx 13 sqmi) \$ _____

9" ortho and oblique with software (Map 2, Base Bid, Appendix B) Washington County (approx 653 sqmi) \$ _____

9" ortho and oblique with software (Map 3, Base Bid, Appendix B) Washington County (approx 1043 sqmi) \$ _____

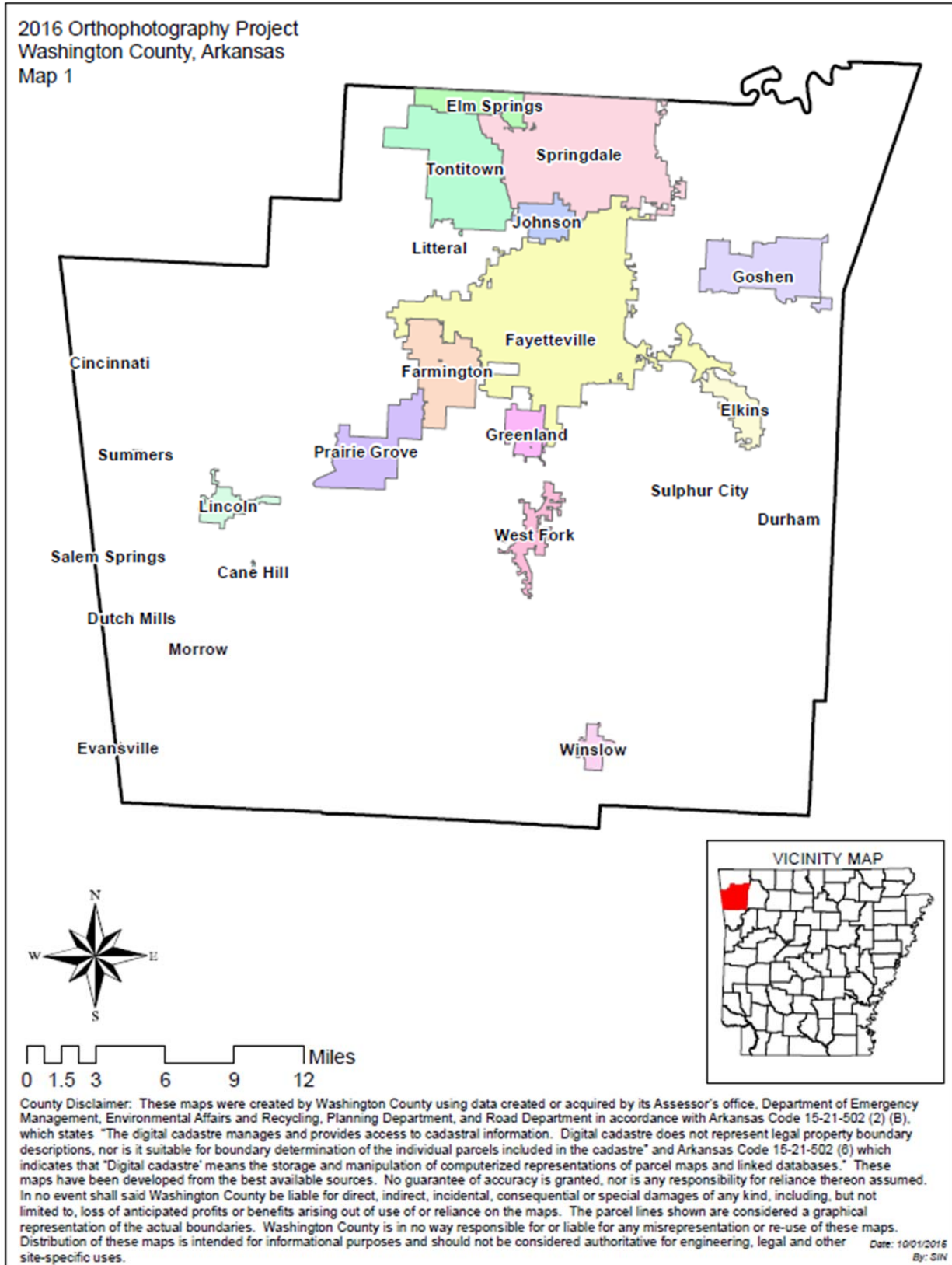
9" ortho and oblique with software (Map 4, Base Bid, Appendix B) Benton County (approx 13 sqmi) \$ _____

Building Footprints \$ _____

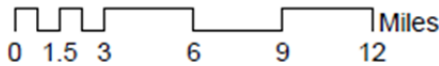
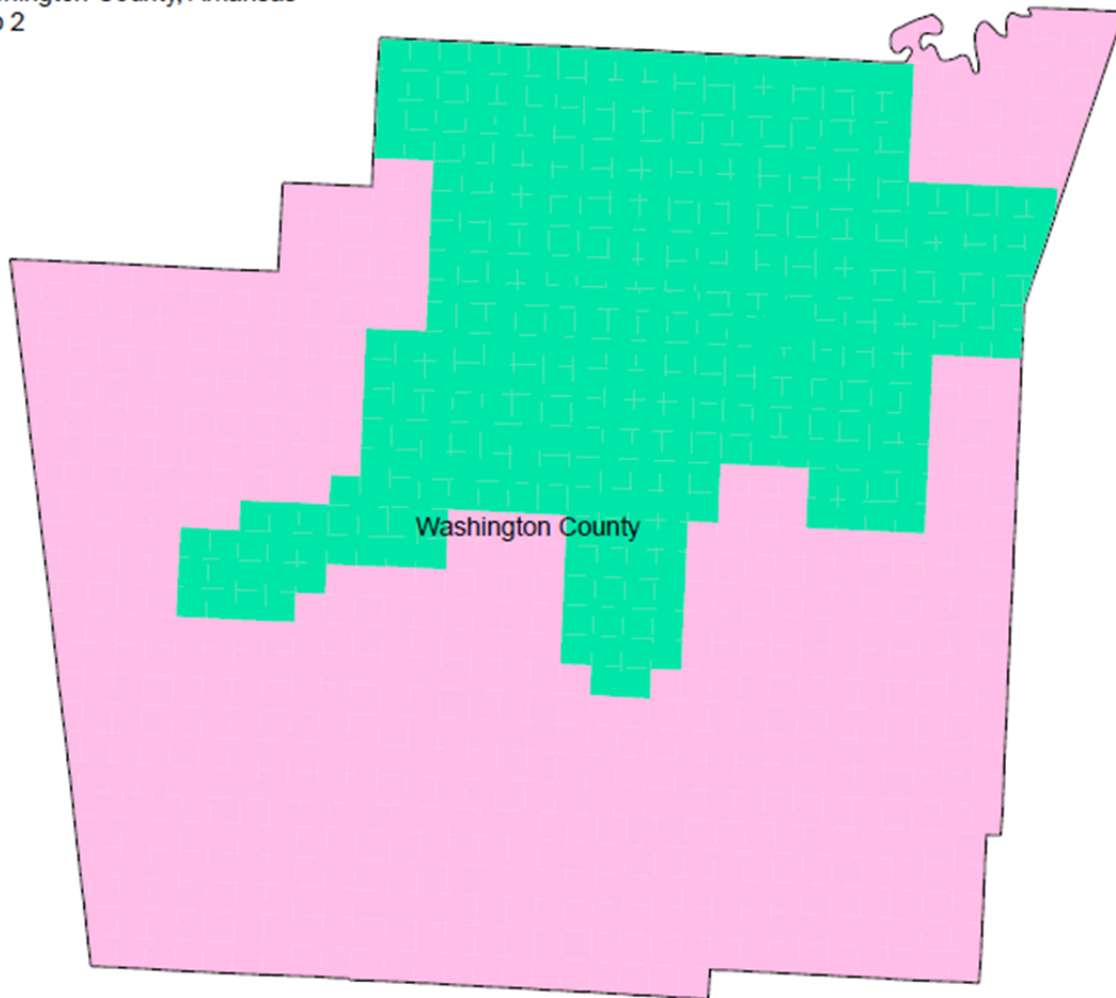
OPTION ITEMS

OPTION A Additional proposal from vendor \$ _____

SECTION 8 – Appendix B – Maps

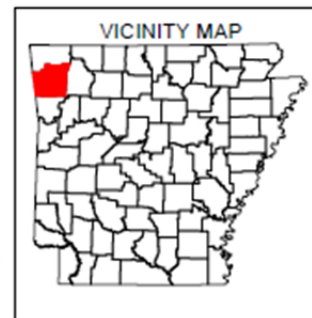


2016 Orthophotography Project
Washington County, Arkansas
Map 2



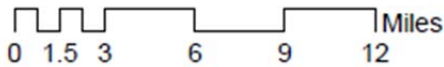
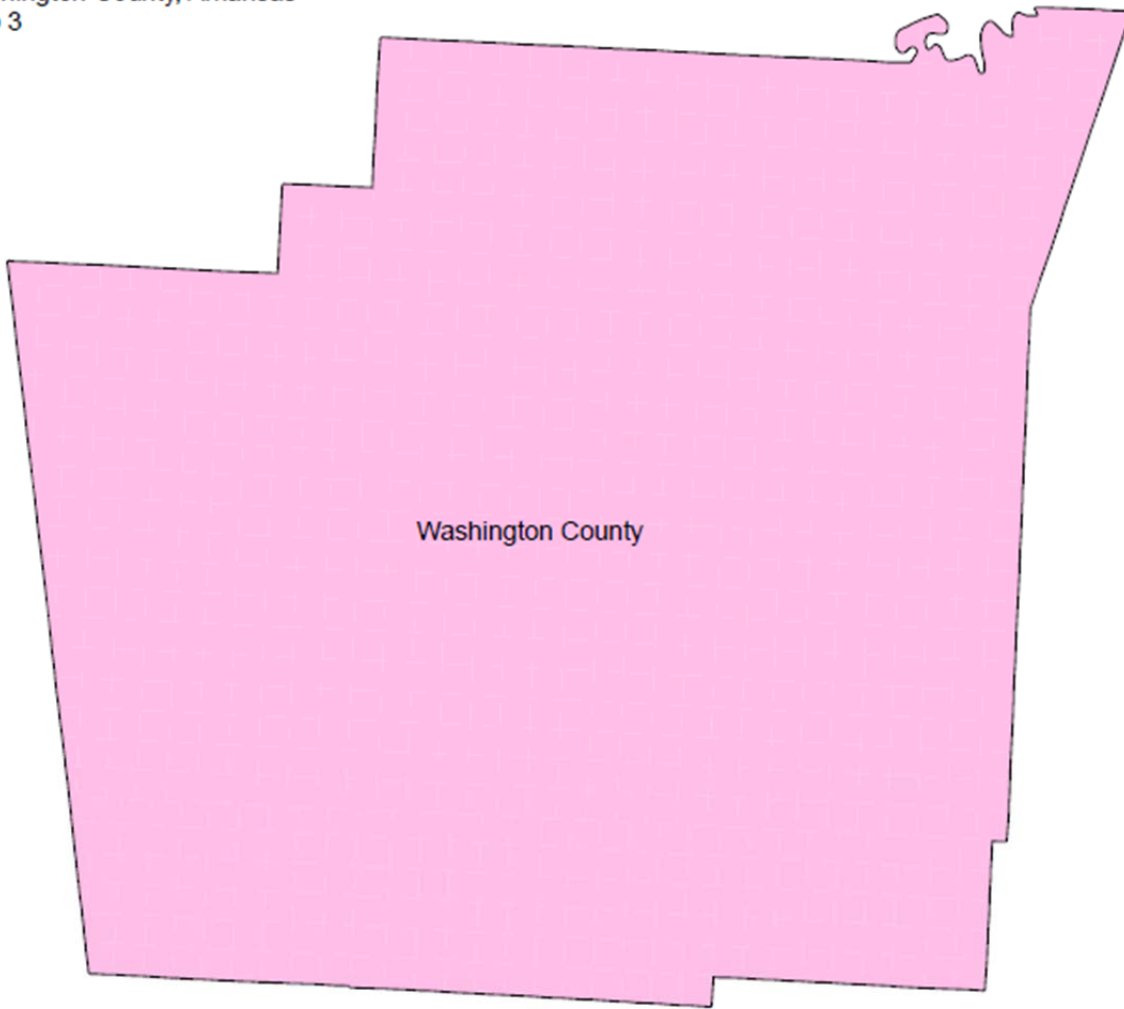
Legend

-  6inch
-  9inch



County Disclaimer: These maps were created by Washington County using data created or acquired by its Assessor's office, Department of Emergency Management, Environmental Affairs and Recycling, Planning Department, and Road Department in accordance with Arkansas Code 15-21-502 (2) (B), which states "The digital cadastre manages and provides access to cadastral information. Digital cadastre does not represent legal property boundary descriptions, nor is it suitable for boundary determination of the individual parcels included in the cadastre" and Arkansas Code 15-21-502 (8) which indicates that "Digital cadastre" means the storage and manipulation of computerized representations of parcel maps and linked databases." These maps have been developed from the best available sources. No guarantee of accuracy is granted, nor is any responsibility for reliance thereon assumed. In no event shall said Washington County be liable for direct, indirect, incidental, consequential or special damages of any kind, including, but not limited to, loss of anticipated profits or benefits arising out of use of or reliance on the maps. The parcel lines shown are considered a graphical representation of the actual boundaries. Washington County is in no way responsible for or liable for any misrepresentation or re-use of these maps. Distribution of these maps is intended for informational purposes and should not be considered authoritative for engineering, legal and other site-specific uses. Date: 10/01/2016 By: SIN

2016 Orthophotography Project
Washington County, Arkansas
Map 3



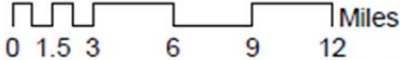
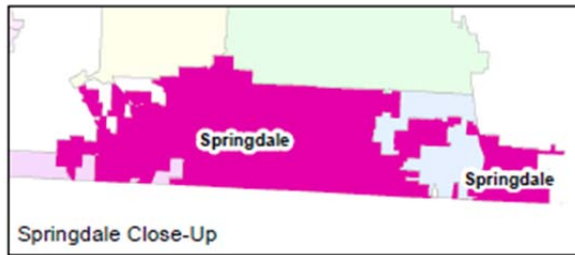
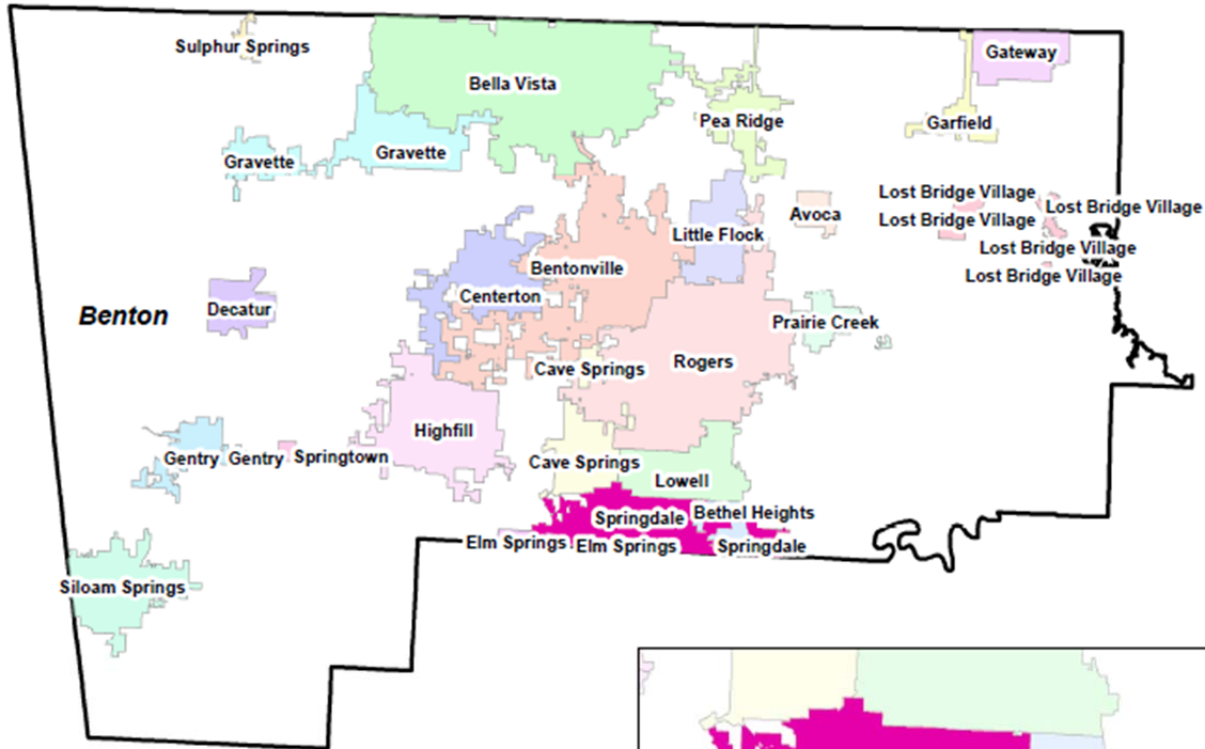
Legend

 9inch



County Disclaimer: These maps were created by Washington County using data created or acquired by its Assessor's office, Department of Emergency Management, Environmental Affairs and Recycling, Planning Department, and Road Department in accordance with Arkansas Code 15-21-502 (2) (B), which states "The digital cadastre manages and provides access to cadastral information. Digital cadastre does not represent legal property boundary descriptions, nor is it suitable for boundary determination of the individual parcels included in the cadastre" and Arkansas Code 15-21-502 (6) which indicates that "Digital cadastre" means the storage and manipulation of computerized representations of parcel maps and linked databases." These maps have been developed from the best available sources. No guarantee of accuracy is granted, nor is any responsibility for reliance thereon assumed. In no event shall said Washington County be liable for direct, indirect, incidental, consequential or special damages of any kind, including, but not limited to, loss of anticipated profits or benefits arising out of use of or reliance on the maps. The parcel lines shown are considered a graphical representation of the actual boundaries. Washington County is in no way responsible for or liable for any misrepresentation or re-use of these maps. Distribution of these maps is intended for informational purposes and should not be considered authoritative for engineering, legal and other site-specific uses. Date: 10/01/2016 By: SIM

2016 Orthophotography Project
Benton County, Arkansas
Map 4



Legend
 Springdale
 13 sqmi approximately

County Disclaimer: These maps were created by Washington County using data created or acquired by its Assessor's office, Department of Emergency Management, Environmental Affairs and Recycling, Planning Department, and Road Department in accordance with Arkansas Code 15-21-502 (2) (B), which states "The digital cadastre manages and provides access to cadastral information. Digital cadastre does not represent legal property boundary descriptions, nor is it suitable for boundary determination of the individual parcels included in the cadastre" and Arkansas Code 15-21-502 (6) which indicates that "Digital cadastre" means the storage and manipulation of computerized representations of parcel maps and linked databases." These maps have been developed from the best available sources. No guarantee of accuracy is granted, nor is any responsibility for reliance thereon assumed. In no event shall said Washington County be liable for direct, indirect, incidental, consequential or special damages of any kind, including, but not limited to, loss of anticipated profits or benefits arising out of use of or reliance on the maps. The parcel lines shown are considered a graphical representation of the actual boundaries. Washington County is in no way responsible for or liable for any misrepresentation or re-use of these maps. Distribution of these maps is intended for informational purposes and should not be considered authoritative for engineering, legal and other site-specific uses. Date: 10/01/2016 By: SIN

SECTION 8 – Appendix C – Metadata

Provided upon request.

SECTION 8 – Appendix D – Cost Proposal Format

Cost proposals shall use the following format:

Cover Letter

Total Cost Worksheet (Appendix A)

Executive Summary

Vendor Profile including experience and references

Implementation Plan

Delivery Schedule

Payment Schedule (Dates & Amounts)

Additional information as necessary