



**BOONE COUNTY, MISSOURI**  
**RFP #: MM49 – Digital Orthophotography and Planimetric and  
Topographic Mapping**

**ADDENDUM #1**  
**(Issued September 28, 2006)**

This addendum is issued in accordance with the Introduction and General Conditions of the Request for Proposal and is hereby incorporated into and made a part of the Request for Proposal Documents. Offerors are reminded that receipt of this addendum should be acknowledged and submitted with Offeror's *Response Form*.

Specifications for the above noted Request for Proposal and the work covered thereby are herein modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect:

**I. Changes to RFP Specifications:**

REMOVE H Photo Index from 3.3.2.1

ADD the following two paragraphs under 3.3.2.8 after the paragraph "Digital Aerial Photography files shall be tiled to match the sections delineated on the County Contract Map. All digital files shall be edgematched with no gaps or overlap."

The tiles shown on the County and City Contract Maps are based on approximate PLSS boundaries. A WinZip file containing ArcMap project files and associated shapefiles for the contract maps included in the RFP is available for download at the Boone County Purchasing Department web site. [www.showmeboone.com](http://www.showmeboone.com). Then select "Purchasing", "Current Bid Opportunities", "MM49".

A photo tile index shapefile in polygon format shall be provided. Each polygon should be attributed with its corresponding digital aerial photography tif file name.

CHANGE 1' to 2' under section 2. Background Information p as shown below:

"Photos in the more populated areas were acquired at 1"=100' scale to support the creation of 1' topographic and planimetric products" should read:

Photos in the more populated areas were acquired at 1"=100' scale to support the creation of 2' topographic and planimetric products

**II. We received the following questions and we've added our response:**

**1) Question:** pg 7, #2 states "Photos in the more populated areas were acquired at 1"=100' scale to support the creation of 1' topographic and planimetric products....." Were contours produced at 1' or 2' intervals on the previous mapping?

**Response:** In 2002, the City of Columbia contracted 2' Contours to be produced. An amendment to the RFP will be done correct the statement.

**2) Question:** pg 9 h Photo Index

The RFP states that the Index should be based APPROXIMATELY on the PLSS sections and edge matched with no overlap buffer. Butt-matching may be used. By definition, a photo index requires overlap of individual photographs. A photomosaic is a best fit of the un-rectified images without overlap. Please clarify. Also, in the 2002 RFP, it appears that the photo index requirement was deleted. Will a photo index be required in the 2006 project? Is the intent of the photo index to depict flight line and exposure position? Would a DeLorme type map showing flight line placement and exposure stations be sufficient to meet this requirement?

**Response:** The photo index being referred to is a shapefile that would be used as a tile index to reference the corresponding aerial photo files.

**3) Question:** pg 11 3.3.2.8 Digital Data

The RFP states " Digital aerial Photography files shall be tiled to match the sections delineated on the County Contract Map. All digital files shall be edge matched with no gaps or overlaps." Are the tiles as shown on the County Contract Map based on PLSS boundaries or State Plane Coordinate boundaries? Could you provide a shape file of the County Contract Map tile scheme for review and planning?

**Response:** A WinZip file containing the requested dataset has been posted on the Boone County Purchasing Department Website under the RFP.

**4) Question:** Did the previous mapping meet the Map Accuracy requirements required in this RFP?

**Response:** Yes, the 2002 contract deliverables met the map Accuracy requirements required in this RFP.

**5) Question:** Is the original DTM and DEM available for review and subsequent update?

**Response:** For PHASE I, Orthophotography production, a new DEM is required. The City of Columbia has the DTM/DEM of the PHASE II area from the flight in 2002. For PHASE II it is left to the discretion of the Offeror to base the cost on updating the City's current information or recreating it completely from the new DEM.

**6) Question:** Can the City provide a map showing areas of new construction from 2002 to present? i.e. Building permits, New subdivisions, etc.?

**Response:** That map is not available at this time. As part of the RFP development process, City Public Works staff have identified several areas with large area changes as the base bid for updating contours and planimetrics under PHASE II Option 1. The remaining area listed under PHASE II Option 2, were identified with a lower amount of changes.

**7) Question:** Was the previous DTM/DEM created from LiDAR or photogrammetric techniques?

**Response:** The 2002 vendor used photogrammetric techniques to produce the DTM/DEM.

**8) Question:** May our firm obtain ESRI shape files of the 3 exhibits indicating the ortho photo tiles, ortho-top project limits and survey control for planning, estimating and preparing exhibits for our proposal?

**Response:** A WinZip file containing the requested dataset has been posted on the Boone County Purchasing Department Website under the RFP.

**9) Question:** May we also receive sample digital data as defined on page 13, section 3.3.3.7?

**Response:** A WinZip file containing the requested dataset has been posted on the Boone County Purchasing Department Website under the RFP.

**10) Question:** Page 9, section g prescribes an aerial photography negative scale of 1"=833' for both the 1"=100' and 1"=200' scale orthophoto mapping. Is this the correct photography scale for both the .50' pixel 1"=100' scale and 1' pixel 1"=200' scale areas? If yes, may the vendors propose an alternate photo scale for the 1' pixel areas the the 2' contour areas?

**Response:** An aerial photography negative scale of 1"=833' for both the 1"=100' and 1"=200' scale orthophoto mapping is preferred to result in the shortest amount of date/time span between exposures during the aerial photo flight missions. If the Contractor deems that alternate photo scales should be used that still achieves the required accuracy for the digital orthophoto, topographic, and planimetric mapping and would result in the best possible price, this shall be included as an additional alternate item in the cost proposal and accompanied with sufficient supporting information to justify the proposed alternate photo scales.

By:   
**Melinda Bobbitt, CPPB**  
**Director of Purchasing**

OFFEROR has examined copy of Addendum #1 to Request for Proposal #MM49 – Digital Orthophotography and Planimetric and Topographic Mapping, receipt of which is hereby acknowledged:

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Authorized Representative Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized Representative Printed Name: \_\_\_\_\_