



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

ADDENDUM #2
(Issued October 6, 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:

REPLACE the current WinZip file with the WinZip file posted on our web site with Addendum #2. It is available for download at the Boone County Purchasing Department web site @ www.showmeboone.com. Then select "Purchasing", "Current Bid Opportunities", and then "MM49".

REPLACE the first paragraph under 3.3.2.1 C:

"Approved targets will be used to mark horizontal control points for aerial triangulation and control of base map compilation. The horizontal control points that are to be targeted are shown on the "Geographic Reference System Diagram" and are attached to and made a part of the contractual agreement. All horizontal ground control will be based on NAD83 Missouri Central 2402 State Plane Coordinates, U.S. Survey Feet."

WITH THE FOLLOWING:

Approved targets will be used to mark horizontal control points for aerial triangulation and control of base map compilation. It is recommended that the horizontal control points used during the 2002 flight be targeted are shown on the "Geographic Reference System Diagram" and are attached to and made a part of the contractual agreement. It is left to the discretion of the Offeror if additional control points are required. All horizontal ground control will be based on NAD83 Missouri Central 2402 State Plane Coordinates, U.S. Survey Feet.

ON ATTACHED PAGE FIVE IS AN UPDATED GEOGRAPHIC REFERENCE SYSTEM DIAGRAM.

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

1) Question: Can you provide a sample digital planimetric file that was done for the City of Columbia in 2002

Response: A WinZip file containing the requested dataset has been posted on the Boone County Purchasing Department Website @ www.showmeboone.com. Then select "Purchasing", "Current Bid Opportunities", and then "MM49".

2) Question: On Page 13, paragraph 3.3.3.7 under Planimetric Mapping, please clarify section e - "Building footprints over 20' on one side." Does this include foundations?

Response: Yes the planimetric mapping should include foundations.

3) Question: On Page 13, paragraph 3.3.3.7 under Planimetric Mapping on section h - do you want the property fence lines not parallel to highways or streets in the rural areas only or both the urban and the rural areas?

Response: Yes, property fences for both urban and rural should be captured during the mapping process.

4) Question: If there are new street names since the 2002 project, will the City of Columbia be able to provide?

Response: Yes an updated street map can be provided once a contract is signed. For planning purposes please refer to the street map on <http://www.gocolumbiamo.com/PublicWorks/Streets/>.

5) Question: On Page 13, paragraph 3.3.3.7 under Planimetric Mapping on section k - do you want the driveway classification (gravel or paved) in the urban areas?

Response: Yes, both driveways should be classified by gravel or paved. Question: Do driveways include field drives? **Response:** Yes, if they are gravel or paved and approach a structure.

6) Question: Can you provide shapefiles of all 3 exhibits (Phase I, Phase II and Geographic Reference System Diagram) that were provided in the hardcopy RFP?

Response: A WinZip file containing the requested dataset has been posted on the Boone County Purchasing Department Website @ www.showmeboone.com. Then select "Purchasing", "Current Bid Opportunities", and then "MM49".

7) Question: On Page 7, it is stated that 1' contours were created in the more populated areas. Is that a requirement this time, as 2' contours are requested in this RFP? Please advise.

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

8) Question: Was Lidar used in the 2002 project? If so, would you be able provide the existing Lidar data files to the firm that you award this project?

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

9) Question: Will you be able to provide the existing DEM files for the county, DTM files for the city and copy of the digital orthos all from the 2002 project to the firm that you select for this project?

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.

10) Question: On the Phase I map, were all 286 square mile 1"=100' areas done in the 2002 project or are there some new 1"=100' areas with this project?

Response: There are new 1"-100' areas to reflect the growth of the City of Columbia and to support PHASE II.

11) Question: This RFP indicates that all areas must be flown at 5,000' AGL. Can we provide an alternate altitude for the 1"=200' areas and price?

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.

12) Question: On page 18 under 5.1.2 option 1.2 and 2.2 -- Do contours exist for the 26 and 61 sqmi now? if so is there an existing DEM/DTM that was used to generate the contours? and will the selected contractor be provided a copy?

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.

13) Question: On page 24 are the 214 GPS control points photo ID points? DO all control points shown have vertical data? Is all the control shown based on the required project datum?

Response: The GPS control and monuments were provided as a planning tool for control placement. It is now recommended that the control monuments used during the 2002 flight be used for PHASE I. Add datasets are based on the required project datum. It is left to the discretion of the Offeror if additional control is required. An amendment to the RFP has been done to add this requirement. An updated WinZip file containing the control map and related dataset has been posted on the Boone County Purchasing Department Website under this RFP.

By: Melinda Bobbitt
Melinda Bobbitt, CPPB
Director of Purchasing

OFFEROR has examined copy of Addendum #2 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: _____

GEOGRAPHIC REFERENCE SYSTEM DIAGRAM
(The monuments shown are Missouri Department of
Natural Resources first order monuments)

