



# City of Concord, New Hampshire

## PURCHASING DIVISION

COMBINED OPERATIONS & MAINTENANCE FACILITY

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www.concordnh.gov

March 11, 2011

### ADDENDUM NUMBER FOUR

RFP 29-11

### PRODUCTION OF TOPOGRAPHIC AND PLANIMETRIC DATA BY PHOTOGRAMMETRIC MAPPING

**TO ALL FIRMS OF RECORD:** This addendum forms a part of and modifies the proposal and contract documents and technical specifications for the project named above. The following additions, changes and clarifications are made to the original proposal documents:

**1. Question:** LiDAR specs from the USGS or the NGA project.

**Answer:** The following is the technical specifications of the USGS LiDar project:

- C.1.b.(v)(a) The contractor shall collect new lidar data over the 0.15 meter ortho areas to support the required horizontal accuracy of these areas.
- C.1.b.(v)(b) Lidar shall be collected to a NPS of 2m with a maximum 40° FOV
- C.1.b.(v)(c) Lidar shall be post processed processed by automated methods and to a minimum vertical accuracy of 30 cm RMSE.
- C.1.b.(v)(d) Automated post processing will classify the data as either bare earth or default.
- C.1.b.(v)(e) Lidar data shall be delivered in LAS 1.2 format and tiled to match the 0.15 meter ortho imagery.

The NGA LiDar data was collected with similar accuracy requirements.

**2. Question:** Which accuracy standard is preferred, ASPRS Class 1 or NMAS?

**Answer:** The resolution and accuracy of the aerial imagery is sufficient to support planimetric mapping of horizontal accuracy specified by ASPRS Class 1 standard for 1"=100' scale mapping. See Addendum #1 page 4, C.1.b.(v) *Digital Orthorectified Image Horizontal Accuracy*.

Please specify the best vertical accuracy level, ASPRS Class 1 or NMAS, you can reach using the existing aerial imagery and additional ground control points. The City is also open to alternative options.

**3. Question:** How often does the City update and maintain property boundary, street centerline, address, and sidewalk centerline data?

**Answer:** These data layers are maintained up-to-date using site plans, subdivision plans, and as-built plans as soon as the plans are recorded. New buildings since 2000 flyover are updated using plans, GPS locations with Assessing sketches, and 2005 aerial photos. Roadway sign data was collected by field survey in the summer of 2008.

**4. Question:** How will the City do QA/QC of the new mapping deliverables using imagery that flown in Spring 2010?

**Answer:** We have received a collection of geo-referenced digital survey plans in recent years. These plans are good QC references.

**5. Question:** Can softcopy stereo workstations be used for the entire project?

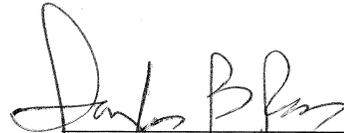
**Answer:** Since the imagery was captured by a digital camera, softcopy methods would be more efficient, cost effective, and probably more accurate. Please state your opinions.

**6. Question:** Can the City provide copies of a control report and the AT report for review from the 2010 flight?

**Answer:** Please see the 74 MB zip file located at [www.concordnh.gov/Purchasing](http://www.concordnh.gov/Purchasing). Select Bids and RFPs/2011 Bids/Proposals/RFP29-11.

PLEASE BE ADVISED THAT THE PROPOSER MUST ACKNOWLEDGE RECEIPT OF ADDENDUM ONE, TWO, THREE AND FOUR AS PART OF THE PROPOSAL SUBMISSION.

CITY OF CONCORD, NEW HAMPSHIRE



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DOUGLAS B. ROSS  
PURCHASING MANAGER