DATE: January 20, 2009

TO: All Proposers
Request For Proposals #108149: FlyDane 2009-2010

FROM: Carolyn Clow, Purchasing Agent

SUBJECT: ADDENDUM #1

The following answers are provided in response to questions received:

Question #1: Can a shapefile(s) of the County boundary and tile layout, and urban area boundaries be provided?

Answer #1: Shapefiles will be provided to the selected vendor for this project. For purposes of this RFP, respondents can access Dane County’s online mapping service DCiMap, http://dcimap.co.dane.wi.us/dcimap/index.htm.

Question #2: Is existing geodetic control available from the previous photogrammetric project(s)? If so are can a shapefile or CAD file of existing points be provided?

Answer #2: Dane County will not be providing any ground control from the previous project. Any geodetic control work done for previous projects has been Blue Booked and available thru the National Geodetic Survey (NGS).

Question #3: For the production of 2’ contours should contour labels be produced and edited to reflect a high degree of cartographic standardization?

Answer #3: The production of separate 2 foot contour labels is not requested. Any labeling will be driven by elevation and indexing attributes.

Question #4: Can a sample of the 2005 2’ contour data be provided?

Answer #4: Shapefiles will be provided to the selected vendor for this project. For purposes
of this RFP, respondents can access Dane County’s online mapping service DCiMap, http://dcimap.co.dane.wi.us/dcmap/index.htm and reference that 4-foot contour data that following similar standards.

**Question #5:** Are their specific LiDAR classifications that should be applied to the processed LiDAR data? Do the classifications need to reflect bare earth and above ground features only, or are you looking for more detailed point classifications (buildings, vegetation, hydrography, etc).

**Answer #5:** At a minimum the classifications shall reflect bare earth and above ground features. However, there is interest in more detailed point classifications as part of a final delivery or a later processing effort depending on project costs.

**Question #6:** Can a list of specific planimetric features be provided for estimating the costs for the planimetric update options? Also what scale/accuracy is required for the planimetric features?

**Answer #6:** Based on data that some communities acquired in past projects, the planimetric features should include, street edges, parking areas, sidewalks, improved paths, and miscellaneous paved areas. The topology for these features should be closed. This is a general base line of features, but respondents are encouraged suggest other features to this list in their response.

**Question #7:** Does the County expect to require demonstrations as part of the vendor selection process as described in Section 2.10 of the RFP?

**Answer #7:** The County reserves the right to require demonstrations per Section 2.10.

**Question #8:** Will existing hydrography, building footprint, and pavement edge data be able to be provided to the selected contractor? Can the County provide us with an estimate for the total number of buildings Countywide?

**Answer #8:** The selected contractor will be given access to the 2005 hydrography and building footprint data. Pavement edge data does not exist. The current 2005 building footprint dataset consists of 143,893 features. This data is available for viewing on Dane County’s online mapping service, DCiMap, http://dcimap.co.dane.wi.us/dcmap/index.htm.
Question #9: As we plan to stage the aerial mission needed to comply with the parameters of the data acquisition for the subject RFP, it is necessary that we be provided with the actual boundary map to define the 1,244 square mile county portion, and the boundary maps to define the 335 square mile urban portion(s) of the project area. Are these available from you in the form of georeferenced digital shape files with projection information?

Answer #9: Shapefiles will be provided to the final selected vendor for this project. For purposes of this RFP, respondents can access Dane County’s online mapping service DCiMap, [http://dcimap.co.dane.wi.us/dcimap/index.htm](http://dcimap.co.dane.wi.us/dcimap/index.htm). The 335 square mile area has not been finalized, but covers mainly the cities and villages in the county and is generally contiguous.

Question #10: Is there any objection to the use of off-shore labor (outside the US) for the processing of the data collected for this project?

Answer #10: Dane County has no preference on this issue. Contractors should specify how the work will be completed. It is expected that all quality control and assurance measures will be met with the delivery of the final products.

Question #11: What specific urban areas and boundaries, thereof, make up the 335 square miles of urban project area?

Answer #11: These areas generally consist of the urban core of the county, minus the City of Madison, and the outlying cities and villages.

Question #12: Will the project areas for the optional 3-in pixel resolution orthophotography and the 1-ft. contour collection be determined and advised prior to the aerial acquisition in the 2010 flight season?

Answer #12: Yes, final project extents for the optional produces will be determined and provided to the selected contractor before acquisition.

Question #13: Will boundary shape files be made available for the 6-in pixel resolution orthophotography, the 3-in pixel resolution orthophotography, the optional plan update areas and the 1-ft. contour project areas for the purposes of completing the proposal for this RFP? Will these areas be generally contiguous or scattered across the County?

Answer #13: No boundary shapefile files will be provided because the final coverage area has not been finalized. For purposes of this RFP, the 6-inch resolution imagery should be estimated to cover 335 square miles as specified in the price sheet. These areas cover mainly the cities and villages in the county and are generally contiguous. As for the 3-inch resolution imagery and 1-foot contours, these areas are unspecified but expected to be community specific and smaller in scope.
**Question #14:** See section 5.2 “A final classified, first return DTM and DEM surface consistent with industry standards” – Please clarify if term “classified” refers to any of the ASPRS specific classifications of data that may be processed from a .LAS file, or if the term is used here to describe data that has undergone sufficient processing to develop a first return DTM and DEM surface.

**Answer #14:** At a minimum the classifications shall reflect bare earth and above ground features. However, there is interest in more detailed point classifications as part of a final delivery or a later processing effort depending on project costs. Vendors are encouraged to discuss the classifications and provide options as part of their RFP response.

**Question #15:** See section 5.2 “Provide reporting documentation for FEMA submittal” – Please expand upon your needs in terms of format and content that will satisfy the reporting documentation requested.

**Answer #15:** The vendor shall provide any and all necessary documentation on data quality and accuracy for the data to be submitted to FEMA for any floodplain study.

**Question #16:** See section 5.2 “Develop FGDC-compliant metadata based on current county GIS metadata files and guidelines” – Are you able to provide sample files and/or guidelines for the format and content of current county GIS metadata requirements.

**Answer #16:** Examples of the metadata for various datasets are available on the LIO homepage at http://www.co.dane.wi.us/lio/datacatalog.asp

**Question #17:** Shall we presume that the Dane County will not set ground control for the 2009 LiDAR mission and the 2010 imagery mission?

**Answer #17:** Dane County will NOT be setting any ground control.

**Question #18:** Please see page 4: 2009 Terrain Project – “Final reports for compliance with FEMA specifications to be used for FEMA submittals.” Does this refer to third party QA/QC testing of the LiDAR data set produced as a deliverable for this project? Are you expecting that the successful Proposer (Contractor) supply independent testing data of the LiDAR deliverables that would be used to support a FEMA submittal?

**Answer #18:** Independent testing is not required. However, the successful proposer is expected to provide reports and summary documentation on accuracy standards used in the data development process that would be accepted for FEMA submittal.

**Question #19:** If independent QA/QC is required, will the company that provides ground control for the aerial collection be allowed to do the QA/QC, or will a third party be required?

**Answer #19:** Independent testing is not required.
Question #20: Can the County provide a shapefile delineating the 335 square miles of urban area?

Answer #20: See answer #9.

Question #21: FEMA specifications are sited as project requisites in a number of areas of the Request for Proposal. Nearly all of them directly address deliverables, which we take to represent a specification for an accuracy standard and a QA/QC method.

On page 6 however, the RFP states “[t]he first phase will provide a detailed digital terrain data that supports 2-foot contours county wide and meets FEMA specifications”. With this paragraph do you intend to require that our digital terrain data be produced using the workflow specified by FEMA? As you are probably aware, such a workflow would necessarily impact consultant fees. The requirement adds a great deal of manual work (terrain breaklines in particular) – much of it in areas that are unnecessary.

Answer #21: Dane County is not requiring that a proposer use the workflow specified by FEMA. The intent is that the proposer use industry accepted methodologies and workflows to produce a product that would be acceptable for a FEMA submittal. It is expected that the proposer will stand behind their work and assist Dane County if there are any questions or issues with a submittal to FEMA or other agency.

Please acknowledge receipt of this addendum by noting “Addendum #1 Received” on the bottom of the Signature Affidavit when you submit your proposal.