Questions and Answers for 9/29/06

FOR THE RFP FOR STATEWIDE ORTHORECTIFIED IMAGERY, ELEVATION DATA, AND LAND USE/LAND COVER DATA FOR THE STATE OF DELAWARE

PLEASE NOTE: The State wishes to clarify that the preference is for false-color infrared imagery for the imagery portion of this project.

It has come to our attention that that, although the RFP specifies that the ortho imagery portion of this proposed project is to be a continuation of the state's recent series of imagery projects, it did not make it clear that that the State's preference is for false-color infrared imagery, which would directly continue the series most recent edition (2002) which was false-color infrared imagery.

1. Section I (page 1). Can the following datasets be provided to assist in proposal preparation?
   a. Shape file of the official State / County boundary to be used for the project?
   b. Sample DTM for the 2002 orthoimagery project
   c. Shape file of control used for the previous (2002) orthoimagery project

   Answers:
   a. The official state boundaries and county boundaries are found on the Delaware DataMIL (http://datamil.delaware.gov).
   b. Because of the proprietary nature of the process used by the vendor (EarthData International) for the 2002 project, the state does not have a sample DTM to share.
   c. Because of the proprietary nature of the process used by the vendor (EarthData International) for the 2002 project, the state does not have a Shape file of control to share.

2. Section II.A (page 2). Will the 2002 Orthophoto DTM be available to the selected contractor? Please describe the accuracy (horizontal and vertical) and the point density of the DEM used for the previous orthophoto mapping project. Were breaklines captured?

   Answers: Because of the proprietary nature of the process used for the 2002 project, the 2002 ortho DTM will not be available. To our knowledge, breaklines were not captured.

3. Section II.A (page 2). Is there a buffer outside the state over which aerial photography should be acquired? Will orthoimagery need to be produced for the entire State (2,489 square miles) or just 1,982 square miles of land area? What are the requirements for color balancing of large "water" areas?

   Answer: There is no defined buffer around the state that the project should cover. The project should cover all of the area of the state (including the large

water areas of the Inland Bays) found within the Delaware State Outline (http://www.state.de.us/planning/info/outline.shtml) as well as to the shoreline of New Jersey within the 12-mile circle around the Center of the City of New Castle that defines the northern extent of Delaware. The Delaware Boundary data provided via the Delaware DataMIL shows the extent of this area of the New Jersey shoreline, which runs from the junction of Delaware, New Jersey, and Pennsylvania south to the tip of Artificial Island.

4. Section II.A (page 2). Please clarify whether color or color IR orthoimagery is desired as a primary deliverable.

   Answer: False-color Infrared Orthoimagery is the desired primary deliverable.

5. Section I (page 1). Are the project workplan or specifications used for the previous orthoimagery projects available?

   Answer: No.

6. Section I (page 1). Is there a desired timeframe for completion of this project (all components)?

   Answer: There is no timeline specified. However, the intention is to collect data in winter/spring of 2007 and the State wishes to complete this project as soon as practicable, within cost restraints should any apply. Ideally, the State would like to have some deliverables within 2007.

7. Section II.B (page 3). Is the contractor expected to update errors in the existing land use or just changes in land use?

   Answer: Where errors in the 2002 Land Use/Land Cover data can be identified, they should be identified and corrected. It may be desirable to flag those areas as error-corrections so as to isolate them from any change analyses.

8. Section II.B (page 3). Are semi-automated approaches that produce a similar look to the hand delineated approach acceptable?

   Answer: The State expects the Land Use/Land Cover portion of the project to provide an update of the 2002 Land Use/Land Cover data. All approaches will be considered, if they can provide a satisfactory final data set.

9. Section II.B (page 3). Are changes in water levels in wetlands leading to changing boundaries of wetlands expected to be mapped, if so what constitutes the level of detail of a change?

   Answer: Such changes should be considered in the context of the ¼-acre minimum mapping unit for wetlands and mapped accordingly.

10. Section II.A. (page 3). Is the Lidar data for Sussex County available for use by the selected contractor? Can you provide accuracy and point density specifications for this Lidar project? Is a shapefile of the area with Lidar coverage available?

    Answer: The new Sussex County LIDAR data will be available for use by the successful bidder. Accuracy and point density specifications, as well as a coverage area shapefile, will be available.

11. Section II.A. (page 3). Will the contours that are generated need to be edgematched to the existing Sussex County contours?

    Answer: Yes.

12. Section II.C (page 3). For the 2' contours does the State require contours to be classified (index/intermediate, etc.) and labeled. If labels are required do they need to be edited to achieve a high level of cartographic quality?

    Answer: Yes. The contour data will need to be classified to match the Sussex County data. The Sussex County data will only have an elevation attribute for each line. Cartographic labels will not be required, but the delivered contour data set shall have full attribute data, including elevations for each contour line.