Meeting Minutes

Date of Meeting:	November 20, 2014	Re:	Animas QL2 Lidar (Task Order# G14PD1092) Kick-Off Meeting
Location:	Teleconference Call	Issue Date:	November 20, 2014
Submitted By:	KC Kroll		

The kick-off meeting for the Rio Hondo and Animas QL 2 Lidar Task Orders were held concurrently via teleconference on November 20, 2014.

In Attendance:

USGS
Tim Saultz

FEMA
Jennifer Knecht

Woolpert
John Gerhard
KC Kroll
Mike Meiser

Items Discussed:

The task order specifications were reviewed.
> QL 2, 0.7m LiDAR
> DEM and LAS (classified and unclassified)

Due to some additional topographic relief in the acquisition areas there were additional flight lines added to the original flight layout. The lidar data acquisition for both areas has been completed. The Lidar Data Acquisition Update shape file for Delivery Lot 2 was submitted via TOMIS on November 12, 2014. We are currently on-site completing the ground surveys this week.

Only change to the task order from what is typically seen with USGS projects is that we are defining bridge decks (class 17).

We are currently ahead of schedule since the acquisitions were completed "at risk". Woolpert started the lidar data acquisition on October 12, 2014, as an aircraft was mobilized near the Animas NM QL2 Lidar task order AOI. Woolpert completed the lidar data acquisition on October 15, 2014. Final task order deliveries are due August 15, 2015. It might be possible to deliver early, will require a little more investigation. Upon completion data will be passed to USGS for QC which typically takes less than 30

days. If there are any comments on the data we can typically make the changes within a couple weeks, then the data goes back to USGS for final approval. The data would then be ready for distribution.

The intended function of this data is for FEMA's floodplain mapping program.

Technical questions were discussed. Bridge decks are supposed to be classed as class 17 which is currently "Overlap – Default". Lidar Base Specification v1.2 is out (http://pubs.usgs.gov/tm/11b4/) and states that 17 will be the class number for bridge decks.

*Additional investigation is required to determine which class will be used to accommodate the points that we had been putting in 17 – Mike Meiser.

Animas project crosses two UTM zones equally (any tiles touching the zone line will be delivered in both zones). Accuracy reporting is typically reported off of the predominant zone. Since there is no predominant zone in this case and USGS does not have a preference, Woolpert will determine which zone will be used for the accuracy assessment. This will be noted for the QA folks at USGS.

The classification of the point cloud data was confirmed as the following:

- Class 1—Processed but not classified
- Class 2—Bare earth ground
- Class 7—Noise (low or high, manually identified, if needed)
- Class 9—Water
- Class 10—Ignored Ground (Breakline Proximity)
- Class 17 – Bridge Decks
- Class TBD — Processed but Unclassified points (Standard Class Values + 16)

The schedule for the task order is:

Lot One (1) Kick-off Meeting: A kick-off meeting will be held to outline communication procedures that will be followed for lidar data acquisition with respect to verification of local ground conditions and vegetation requirements. The kick-off meeting will be held on November 20, 2014.

Lot Two (2) Lidar Data Acquisition Updates: During this time Woolpert will submit regular lidar data acquisition updates in the form of shapefile(s) which represent the acquired geographic extent. Regular lidar data acquisition updates will commence upon the start of the lidar data acquisition but not later than April 15, 2014 and will conclude upon lidar data acquisition completion. Lidar data acquisition is complete.

Lot Three (3): Lidar Data Acquisition: Lidar Data Acquisition has been completed and ground control is currently underway, to be completed by November 24, 2014.

Lot Four (4): Pilot Data Consisting the FVA reporting of the UNCLASSIFIED point cloud data, and a minimum of five (5) square miles of classified LAS data in each of the primary land cover categories (SVA categories), and corresponding Hydro Flattened Bare Earth DEM's. This pilot data shall be delivered no later than 31 calendar days following completion of data acquisition, but in no case later than May 15, 2015.

Lot Five (5): Consisting of all required deliverables (including metadata) of the lidar data and the derived products as specified in the task order, will be delivered no later than 60 days following completion of the acquisition, but in no case later than August 15, 2015.