

# CLARK COUNTY GIS DATA COMMITTEE

Clark County Government Center  
500 South Grand Central Pkwy.  
4<sup>th</sup> Floor, Gold Room 4047  
Las Vegas, NV 89155  
Thursday, August 21, 2014  
9:30 am – 10:00 am

## MINUTES

MEMBERS PRESENT: Brian Bolduc (CCWRD), Hetal Luhar (SNHD), Dustin Nelson (CoH), John Ritsko (RTCSNV), Jeffrey Truby (RTCSNV), Robert Vega (GISMO)

### **1. Call to Order**

- a. Conformance with Nevada Open Meeting Law: The meeting was called to order at approximately 9:30 am. There are six (6) voting members present, so we do not have a quorum today.
- b. Introduction of Data Committee Members and Guests: Everyone introduced themselves.

### **2. Administrative Action**

- a. Approval of Agenda: A motion was made and seconded to approve the agenda. Motion carried.
- b. Approval of Previous Meeting Minutes: A motion was made and seconded to approve the minutes of the previous meeting. Motion carried.

### **3. Sub-Committee Reports**

- a. **Mapping Services, Tommie Weckesser, City of Henderson IT**

They did not meet, so there is no update at this time.

### **4. Central Repository Clean-up, Robert Vega, Clark County GISMO**

Robert informed everyone that, as of September 2, 2014, we will remove all coverages in the Central Repository. We are on schedule with this project. If any processes break, please let GIS know. Robert will be working on the download pages between now and September 2 to remove coverages and update links.

### **5. Master Address Database, Robert Vega, Clark County GISMO**

Robert wants to form a subcommittee for this project. We have five different addressing authorities and we need to figure out a way to create a single master address database that will combine

everyone's address data. There are a couple of reasons for doing this. One is that we have a new Naviline replacement that requires a master address database. In the past, we've researched paying someone to come in to set this up but this was too expensive. We want to come up with a product to handle at least 80% of our needs and then figure out how to take care of the remaining 20%. Essentially, we want to get a product established now and improve as we move forward. Our system will feed into permitting system. This is a huge project with few resources. At our next meeting, we will form a subcommittee. Robert would like everyone to consider who will be best as subcommittee members.

**Action Item:**

- ✓ Everyone needs to consider who subcommittee members will be so this subcommittee can be formed at our next meeting.

**6. 2014 Aerial Photography Update, Robert Vega, Clark County GISMO, and Craig Hale, SNWA**

Robert discussed that the data was delivered Tuesday night. They had to wait for some Mount Charleston areas which were delayed due to fire exposure. Robert is copying these to the system. He and Jaime will then begin loading to SDE and then cache them out for ArcGIS Server. Robert also has the entire State of Nevada 2013 NAIP. Robert will come up with the most current flights combining the 2013 NAIP and 2014 aerial photography. We should be able to get this done pretty quickly.

If you need the aerials, Craig has offered to make copies. We can also make copies here. If you need the NAIP raw imagery, let Robert know. You will need a 2TB hard drive for the NAIP.

**7. Proposed Clark County LiDAR Project for 2016, Craig Hale, SNWA**

Craig provided a PPT presentation. Some of the key highlights include the following:

- Quick Recap – 2014 Imagery Project: 1,479 square miles, issues with schedule.
- East Valley Apex: Acquired on/around March 14; everything else was acquired between April 7 and April 14.
- Thank you to everyone who performed over 600 hours of QA.
- USGS 3D Elevation Program (3DEP) - Handout: Essentially, the primary goal is to collect high quality enhanced elevation data.
- There are 2 quality levels: Q1 which is extremely good core earth, engineering grade elevation data and Q2 which picks up buildings and provides nice core earth and most vegetation.
- 3DEP Opportunity for Clark County: \$547/sq. mi. for Q1 and \$335/sq. mi. for Q2.
- The original proposal was doing the whole of Clark County (approx. 8,100 sq. mi.) at Q2 for \$2.7 million.
- Urban Las Vegas Valley (approx. 600 sq. mi.): Q2 = \$205K and Q1 = \$330K.
- Various examples of imagery.
- Federal agencies (National Park Svc., US Fish & Wildlife, NV Bureau of Mines and Geology) did the preparatory work on this and submitted grants proposal through the SNV Public Lands Mgmt. Act for LiDAR, part of the grant was to include geologic mapping for NV Bureau of Mines and Geology for key locations in Las Vegas Valley (primarily eastern

- side of Henderson). USGS was going to pledge 50% of the acquisition cost for Clark County. Geologic mapping was estimated to be \$500K. They submitted a proposal that the project cost would total \$3.2 million for entire Clark County at Q2 and geologic mapping. They received \$1 million. So, they are \$900K short. They divided the County into two (2) priorities: 1) approx. 4,600 sq. mi., including Mt. Charleston, Las Vegas Valley, Boulder City and a sizeable chunk of Lake Mead, etc.), and 2) all other areas combined.
- They are seeking others to fill in the gap to get \$205K to acquire Q2 the Valley.
  - If Q1 data is desired, this does not need to be included in the initial proposal as we have time to further discuss this.
  - They need a commitment/pledge by October 16 so they can move forward with the final proposal.
  - Craig asked if we can do this in 2016 so we can include it in the next Clark County imagery project. Our current contract has one more year to renew and then we have to go out to bid for 2016.
  - Long-term project plan: 2-year project; acquire early 2016 and take effect 2017. SNWA cannot QA all imagery for LiDAR. While we need to submit our pledges by October 16, this would not take effect until 2017, so we will have a lot of time to plan and prepare.
  - If we had to do it ourselves, estimated costs for Urban Las Vegas Valley (approx. 600 sq. mi.) at Q2: \$600K-\$800K; Q1: \$800K-\$1,000,000. 60-80% of costs, depending on which level, is already paid for. This is a good opportunity.
  - *Comments/Discussion in Response to Question(s) from Brian Bolduc – CCWRD:* Q2 will handle areas that don't have a lot of ground cover or buildings and this is essentially anything outside the Valley. Q1 will be required in the Valley. Using Q3 data in rural areas, we can get 2 foot contours but nothing in the Valley. Craig indicated that we are also working on bay stations. Indian Springs has a bay station. DOD is part of this discussion also. We are starting to get more of the County covered. Now, there are nine (9) GPS bay stations that help with surveying and imagery and LiDAR acquisition for outlying areas. More and more rural areas are getting COR bay stations.
  - *Comments/Discussion in Response to Question from Sonya Wilson – CC Dept. of Aviation:* The priority now is to get pledges for funding being sought now. Control is going to be dependent on the vendor. Bids will go out and we will ask for estimates for survey work. Between mountains and valley, there needs to be a lot of control. We have established a good amount of control over the last few years. Since we are looking to do as much as we can internally. Sonya suggested including FAA, since they interested in higher resolution data.

Craig would like to convene another meeting after September 9 to discuss this project specifically and possibly make this part of the next monthly GIS Data Committee meeting agenda. He would like everyone to go back to their management and find out if there's interest. If so, find out whether they're willing to make the pledge now for \$205K for Q2 data. If there's interest in Q1 data, this will be considered at a later time.

**Action Item:**

- ✓ This topic will be added to next month's Data Committee meeting agenda.
- ✓ Robert will post the presentation information to the website and let everyone know when this is done.
- ✓ Craig would like everyone to present this to their appropriate management to see if there's any interest and if they're willing to commit/pledge now.
- ✓ Craig will schedule a series of meetings in the future and invite others from external agencies (NPS) to come in to provide more information/details.

## **8. Comments by the General Public**

### **➤ Dustin Nelson, City of Henderson – CCGIS**

Dustin asked if there's an update on AOExtract. Robert said that this will go away September 2 as part of the Central Repository Clean-up Project. AOExtract\_new will still be there. AOExtract will switch over to AOExtract\_new on 9/2. At the next meeting, Robert will discuss when we'll be getting rid of AOExtract\_new.

## **9. Set agenda for next meeting scheduled on September 18, 2014**

The next meeting is scheduled for September 18, 2014, 9:30-11:00 a.m., Clark County Government Center, 500 South Grand Central Pkwy, 4<sup>th</sup> floor, Gold Room 4047, Las Vegas, NV 89155.

## **10. Adjournment**

The meeting was adjourned at approximately 10:20 am.