Regional Basemap Committee

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| Minutes **Thursday ~ March 23, 2017 ~ 2:00 P.M.**  **WASHOE COUNTY ADMINISTRATIVE COMPLEX**  **BUILDING A – MOUNT ROSE CONFERENCE ROOM**  **1001 EAST NINTH STREET, RENO, NEVADA** | MEMBERS Valerie Johnson, Chair  Doug Campbell, Vice-chair  Neil Bandettini  Matt Gingerich  Mike Gump  Quinn Korbulic  Rebecca Reid  Jon Walker |

**1. CALL TO ORDER AND ROLL CALL** [Non-action item]

Chair Johnson called the meeting to order at 2:00 p.m. A quorum was established.

**PRESENT:** Doug Campbell – City of Sparks; Matt Gingerich – NvEnergy; Mike Gump – Washoe County; Valerie Johnson – City of Reno; and Quinn Korbulic - Washoe County.

**ABSENT:** Neil Bandettini – City of Reno; Rebecca Reid – NV Energy; and Jon Walker – City of Sparks.

Stephan Hollandsworth - Deputy District Attorney, was also present.

**2. PUBLIC COMMENTS** [Non-action item]

There were no public comments.

**3. APPROVAL OF DECEMBER 8, 2016, MEETING MINUTES** [For possible action]

Hearing no public comment Chair Johnson asked for Board discussion or a motion.

***It was moved by Member Gump, seconded by Member Campbell, to approve the December 8, 2016, minutes, as submitted. The motion carried Members Campbell, Gingerich, Gump, Korbulic and Chair Johnson assenting; and Members Bandettini, Reid and Walker absent.***

**4. ELECTION OF OFFICERS** [For possible action]A discussion to nominate and elect Regional Basemap CommitteeChair and Vice-chair

Chair Johnson opened the agenda item, noting that the nominee must be present at today’s (March 23, 2017) meeting and asked for nominations to serve as Chair.

Responding to Member Gingerich’s inquiry about delaying election of officers until the Interlocal agreement was modified, Quinn Korbulic explained that it would be some time before the Interlocal was amended and sent to the member agencies for legal review and approval.

***Member Gump nominated Valerie Johnson, Member Gingerich seconded the nomination.***

Chair Johnson accepted the nomination.

***The nomination to elect Valerie Johnson as Chair of the Regional Basemap Committee carried with Members Campbell, Gingerich, Gump, Korbulic and Chair Johnson assenting; and Members Bandettini, Reid and Walker absent.***

Chair Johnson opened nominations for Vice-chair reminding members that the nominee must be present.

***Member Gump nominated Doug Campbell, Member Gingerich seconded the nomination.***

Member Campbell accepted the nomination.

***The nomination to elect Doug Campbell as Vice-chair of the Regional Basemap Committee carried with Members Campbell, Gingerich, Gump, Korbulic and Chair Johnson assenting; and Members Bandettini, Reid and Walker absent.***

**5. PRESENTATION BY NEVADA BUREAU OF MINES AND GEOLOGY, 3DEP LIDAR PROPOSAL** [Non-action item] A presentation by NBMG staff on their proposal to acquire LiDAR data through the USGS 3DEP program. Nevada Bureau of Mines and Geology

Deputy District attorney Stephan Hollandsworth commented that the Chair Johnson could combine agenda items 5 and 6.

**6. ALLOCATION OF FUNDS TO SUPPORT NEVADA BUREAU OF MINES AND GEOLOGY 3DEP LIDAR ACQUISITION** [For possible action] A review, discussion and possible action to approve, deny or otherwise modify the allocation of Basemap Committee Funds, not to exceed [$85,000], to support acquisition of LiDAR data in partnership with the Nevada Bureau of Mines and Geology.

The presentation may be found on the Washoe County website:

<https://www.washoecounty.us/gis/board_committees/regional_basemap/index.php>

Jay Johnson - Washoe County GIS, narrated a PowerPoint® Presentation (copy on file). Mr. Johnson pointed out the area of coverage of the 3DEP lidar acquisition extended to Petersen Mountains in the North Valleys and to the Tahoe-Reno Industrial Center. Mr. Johnson then drew attention to the differences in the level of detail between the Q1 lidar process and the Q2 lidar process, with Q1 having a higher accuracy. Mr. Johnson noted that features such as roads, curbs and housing development and vegetation could more clearly be seen in the Q1 lidar points and derived products. Mr. Johnson noted that the graphics shown in the presentation were derived from lidar data from both Pennsylvania and San Diego. Mr. Johnson pointed out where the Q1 lidar defined the location of a powerline whereas the Q2 did not. The difference between Q1 and Q2 is the number of times the laser hits per square meter, with Q1 having more points and thus providing a better resolution. While there are analytical tools to enhance resolution, those tools are not typically used in day-to-day applications.

Rich Koehler – Nevada Bureau of Mines and Geology, noted that the higher-quality Q1 data also revealed geologic hazards, active earthquake ruptures and dams.

Mr. Johnson pointed out the visible detail in both the Q1 and Q2 resolution. Although Q1 lidar data costs somewhat more, it is more suited for many purposes and Q2 is not. Mr. Johnson noted that while USGS is seeking a contribution towards the Q2, the additional detail in the higher resolution Q1 will better meet the requirements of pre-engineering and many other applications. For example, the higher quality may assist in the assessment of potential rooftop solar panel installation.

During a brief discussion it was noted that Nevada is undertaking a pilot project using lidar to assess snowpack. The higher quality of the Q1 product will provide additional detail on potential flood zones, runoff impact and the like. Discussion then noted that the lidar project in 2016 cost approximately $85,000.00, but because the 2016 did not include breaklines, it is not an apples to apples comparison with the proposed USGS 3DEP project. Other discussion noted that the 2016 lidar project had been done in conjunction with the Washoe County Assessor’s Office to obtain 3-inch pixel orthophotography. It was noted that the current Basemap fund is +$110,000.00. The action is to determine whether or not to provide funding to the USGS and at what level.

Discussion then noted that other agencies/jurisdictions such as TMWA (Truckee Meadows Water Authority) and Carson City may have an interest in participating in the USGS project. Additionally, if RTAA (Reno Tahoe Airport Authority) covers costs for the Reno and Stead airports, the Basemap contribution could possibly be reduced. As the discussion continued, it was noted that the orthophoto flights are typically undertaken every two years and that contributing to the USGS 3DEP project may reduce available orthophoto project funding. Discussion then noted that, after the 3DEP project is completed, while the USGS will distribute the data at no cost, the Basemap Committee could add value by creating one-foot contours that could be sold. It was noted that Washoe County is moving towards an asset management system that could benefit from the 3DEP products, and that the development community typically asks for contour data rather than a digital elevation model. As the discussion continued, it was noted that there are some economies of scale when adding to the area being covered in the 3DEP project. It was suggested that staff be directed to develop boundaries and stay within the pricing provided, minus the Tahoe-Reno Industrial Center.

***It was moved by Member Gingerich, seconded by Member Campbell, to authorize the expenditure of $25,000.00 for Q2 data and up to $85,000 for Q1.***

Member Gump stated he could support the motion as engineering is currently involved in flood and flood basin issues, given the detail that the 3DEP products will provide.

Member Korbulic noted that his goal is to reach out to as many agencies as possible for participation, including TMWA, Washoe County Flood Management, Emergency Management, Community Services, as well as TMWRF (Truckee Meadows Water Reclamation Facility) and Carson City.

Mr. Koehler expressed his gratitude for the interest and investment noting the investment already made by USGS and UNR in the data. Mr. Koehler explained the flight is funded already and will commence once the snow conditions permit.

Responding to Chair Johnson’s inquiry about how other agencies could invest in the project, Mr. Koehler suggested that interested parties contact Seth Dee at USGS who administers the grant.

***The motion carried with Members Campbell, Gingerich, Gump, Korbulic and Chair Johnson assenting; and Members Bandettini, Reid and Walker absent.***

**7. MODIFICATIONS TO THE INTERLOCAL AGREEMENT** [For possible action] – A review and discussion of the first draft of the updated Interlocal Agreement for Sharing and Distribution of GIS Basemap Data Sets and Development of Data Licensing Requirements, including the identification of possible changes to the Interlocal Agreement, consideration of whether and how to add agencies to the Committee and Agreement, and discussion of agencies to possibly add to the Committee and Agreement.

Chair Johnson opened the agenda item, noted that the informal committee had not yet had an opportunity to meet since the December meeting of the Regional Basemap Committee.

Quinn Korbulic provided a handout (copy on file) noting that the agreement is somewhat dated and that the data sets and technologies included in the document were nearing their end of life. One issue that needs to be addressed is the separate parcel data, which is the reason some have become data subscribers. Mr. Korbulic pointed out that the parcel data belongs to the Washoe County Assessor’s Office, not the Regional Basemap Committee.

During the discussion about the parcel map check process, it was noted that the current process had worked well thus far. It was noted that a parcel map was considered good if it was within a half-foot. It was noted that as errors are identified, the maps are corrected. Other discussion noted that the map check fees were being used for system maintenance and upgrades and is no longer part of the Basemap Committee fund. Other discussion noted the need to perhaps add other member agencies to provide additional funding for the data sets and flights. Once the subcommittee meets and submits recommendations for review, the revisions will then be forwarded to each member's legal counsel for review and comment. Other discussion suggested a membership that has one primary member with one or more alternates to fill in if the primary member is unable to attend. As the discussion continued it was pointed out that members unable to attend the meeting in person could join by teleconference when needed, which counts towards quorum.

**8. REGIONAL BASEMAP COMMITTEE MEMBER OR STAFF ANNOUNCEMENTS, REQUESTS FOR INFORMATION, AND SELECTION OF TOPICS FOR FUTURE AGENDAS** [Non-action item] – No discussion among committee members will take place on this item. The next scheduled meeting is set for Thursday, June 8, 2017, at 2:00 p.m.

The June 8, 2017, meeting, is scheduled to start at 10:00 a.m. The meeting agenda may include, but is not limited to: 1) Update from the Interlocal Subcommittee; and 2) Status update on Lidar funding.

**9.** **PUBLIC COMMENT** [Non-action item]

There were no public comments.

**10. ADJOURNMENT** [Non action item]

Chair Johnson adjourned the meeting at 3:13 p.m.

**AS APPROVED BY THE REGIONAL BASEMAP COMMITTEE IN SESSION ON JUNE 8, 2017**