

GIS Council Meeting Minutes

May 1, 2013

1:00 p.m. – 3:30 p.m.

Meeting Location:

Nebraska Department of Roads - Main Auditorium

1500 Nebraska Hwy 2, Lincoln Nebraska



GIS Council • Nebraska Information Technology Commission

Meeting Summary

GIS Council Member Presentation A presentation was provided by Lash Chaffin, League of Nebraska Municipalities. <http://nitc.ne.gov/gisc/mtgs/docs/5-1-13/GISCouncilNEM512013.pdf>

Working Groups

Street Centerline-Address Database - A legislative update was provided on the LB595 proposed study on NexGEN911. The Nebraska Dept. of Roads spent some time evaluating some of the PSC street centerline data with the state's LRS street centerline data. Several conflicts were found between the data sets. Douglas and Sarpy counties settled on an addressing schema database and will now begin to create workflows on creating the data. A master license for an address database is available. Those state agencies interested in participating need to contact Mr. Watermeier. The business planning process is working on costs and return on investment scenarios.

Elevation - A recent RFI has been disseminated for response. There are fifteen questions on it addressing specifications and technologies used in LiDAR acquisition projects. There will be plans to meet in the next couple of weeks to follow-up on the RFI responses.

Imagery - The NIROC III project is finalizing its spring imagery acquisition. Re-flights have been recollected. Expect to receive the delivery of products in late June and early July.

NebraskaMAP – A discussion started on funding. Several members are suggesting the cost recovery is not a good model for funding these large scale GIS projects to get started. There needs to be an organizational approach for a line item either for mandated program or legislative action. A list of policy related topics was distributed and asked for response by the Council. A follow-up to this will occur at the next meeting.

Nebraska Spatial Data Infrastructure (NESDI)

An overview of the Nebraska Spatial Data Infrastructure (NESDI) was presented. <http://nitc.ne.gov/gisc/mtgs/docs/5-1-13/GISCouncilNESDI512013.pdf> Several needs were identified in defining the overall structure of the NESDI.

Information will be gathered on the current status, priorities for development, methods of acquisition/development, stewardship, audience of users, use policies and recommendations, communication policies, and organizational and institutional guidelines. It is also important to look at data layers in respect to inter-relationships to other framework layers. It is important to understand the real costs for the layers and funding mechanisms to cover those costs in development and maintenance. Data sharing and the mechanism to publish through NebraskaMAP will also be addressed through this process.

Mr. Cobb (State Surveyor) provided an overview on survey and geodetic control as the foundation for the NESDI. Mr. Cobb provided historical and practical considerations using cadastral maps and development of land records for GIS. A description was provided for cadastral surveys and the role they play in public records and law. He indicated importance from a land surveyor and how this data can be used in GIS. Several best practices were suggested to include cadastral information into a GIS. This includes: local projection, qualify and use GPS control, import existing cadastral maps, adjust to GPS control, and import/adjust to land surveys of record. It was recommended to start the process of gathering data and parcels to assess the current status in regards to several criteria and needs for the data.

Updates from Member Agencies Mr. Lamberson recognized the GIS Council and GIS/LIS Association's efforts in honoring Paul Yamamoto to Paul's family at a retreat yesterday. Mike Schonlau highlighted an impervious surface map that was created in Douglas county. Other reports were held off due to lack of time in meeting.

Membership. The Nebraska Dept. of Roads, Bill Wehling replaces Rose Braun as the designee to Randy Peters. There are three current member seats set to expire this year and will need to be renewed or replaced. The NITC Board accepted the position recommendation of Pat Larson, Grand Island, for Member at Large seat. The NITC also made a motion to have the GIS Council fill one of the additional Member-At-Large seats with an affiliation for private industry. The nomination committee is tasked to establish criteria and process for identify candidates to be nominated to NITC for the private industry designated Member At Large seat and to address the three other seats that are due to expire later this year.

Motions

Motions Carried:

- The April 3, 2013 minutes were approved with a correction.

Motions Failed:

There were no motions that failed.

I. Roll Call and Quorum

Members Present: * *Authorized to Vote*

- * Mike Preston, NE Geospatial Professional Assoc.
- * Steve Cobb, State Surveyor
- * *Chad Boshart*, NEMA/Military Dept.
- * *Karis Bowen*, DHHS
- * *Bill Wehling*, Department of Roads
- * Lash Chaffin, League of Nebraska Municipalities
- * Tim Cielocha, Public Power Districts
- * Eric Herbert, NACO
- * *Les Howard*, Conservation and Survey Div. – UNL
- * *Jon Kraai*, Alt. Kyle Otte, Nebr. State Patrol
- * *Tom Lamberson*, Dept. of Environmental Quality
- Jim Langtry, USGS
- * *Josh Lear*, Department of Natural Resources
- * Jeff McReynolds, Lincoln Metro Area
- * *Jim Ohmberger*, Office of the CIO
- * Mike Schonlau, Member at Large
- * John Miyoshi, NE Assoc. of Resource Districts
- * Greg Youell, Omaha Metro Area

Italicized names are designees to council seats.

Members Absent:

- Dick Clark*, Governor’s Policy Research Office
- Nancy Cyr*, Legislative Research
- Jim Koch*, Property Tax Administrator
- Kelly Mueller, NACO
- Steve Meradith, Public Service Commission
- Sudhir Ponnapan*, Nebraska Game and Parks
- Tom Lamberson*, Dept. of Environmental Quality

NITC Representatives:

Nathan Watermeier, GIS Council Coordinator; and Lori Lopez Urdiales, Office Services Manager, Office of the CIO

Public Visitors:

Michael Munson, Dept. of Roads; James Richardson, NGS; Erik Hubl, Lancaster County Engineering Department; John Beran, Surveyors Office; Rose Braun, NDOR

I-III. General Meeting Formalities (continued)

Roll Call and Quorum

The Chair, Mike Preston, called the meeting to order at 1:05 p.m. Roll call was taken. There were 16 members present at the time of roll call. A quorum existed to conduct official business.

Introduction of Audience Attendees

Public visitors were welcomed and were asked to introduce themselves if they wished. Visitors who wished to identify themselves as attending the meeting were to sign the visitor log and their name and affiliation would be reported in the minutes.

Public Meetings Regulations and Posting of the Same

The meeting notice was posted to the Nebraska Public Meeting Calendar on December 12, 2012. The meeting agenda was posted on the GIS Council website April 12, 2013. The Nebraska Open Meetings Act information was posted in the room for interested persons to review.

Approval of Minutes from Previous Meeting

The Chair, Mr. Preston, asked if there were any suggestion changes or clarification to the previous meeting's minutes. **Motion: Mr. Miyoshi moved to approve the 2/09/2013 minutes as presented. Mr. Cielocha seconded.** Roll call vote: Preston-Yes, Lear-Yes, Ohmberger-Yes, Wehling-Yes, Howard-Yes, Bowen-Yes, Boshart-Yes, Cobb-Yes, Kraai-Abstained, Youell-Abstained, Miyoshi-Yes; Cielocha-Yes, Herbert-Yes, Chaffin - Yes, McReynolds-Yes, Schonlau-Yes, and Langtry-Yes. Results: Yes-15, No-0, Abstained-2. Motion carried.

IV. GIS Council Member Presentation

DISCUSSION

League of Nebraska Municipalities – Lash Chaffin

A presentation was provided by Lash Chaffin about the League of Nebraska Municipalities.

- The League is governed by a 15 member executive board.
- There are 5 classes of municipalities (metropolitan, primary, city of the first class, city of the second class, and village).
- Work among different laws and formations of statutes and how they operate. Cities typically have mayor and city manager.
- Municipalities are in charge of overall governance within their jurisdiction. They carry out various functions including land use planning, utilities, public works, recreation, public safety, and some economic development.
- Issues are typically around sources of funding from property taxes, sales tax, utility revenue, some federal and state funds.
- GIS applications typically started with engineering and public works departments. Then moved towards land use planners. It depended on who drove the municipality decisions. There are several public policy related decisions and a need for transparency across various departments to solve issues.
- Some of the barriers seen across Nebraska include funding, lack of knowledge, and lack of bandwidth. Funding issues are shortened due to state imposed lids, utility revenues, property tax base, and a decline in population.
- Municipalities need continued communication, figure out who cares and understands, and awesome collaborative projects.
- Projecting to see rollover in work force in coming years and more need for skilled work force understanding geospatial technologies.

<http://nitc.ne.gov/gisc/mtgs/docs/5-1-13/GISCouncilLNEM512013.pdf>

Les Howard, UNL Conservation Survey Division will provide the presentation at the next meeting.

IV. Working Group Reports and Discussion

DISCUSSION

Street Centerline-Address Database - Bill Wehling A legislative update was provided on LB595 (Study on NexGEN911). This working group is interested if Sen. Price's office is aware of work being done by this working group. Mr. Watermeier will be following up to learn more details. An updated was provided on federal initiatives related to addressing. The Nebraska Dept. of Roads spent some time evaluating some of the PSC street centerline data with the state's LRS street centerline data. Several conflicts were found in the PSC data. Examples of conflicts that occurred included: access to businesses are shown as roads, streets run thru buildings where the street should stop and resume, apparent field accesses are shown as roads, and handling of private lake roads. Douglas and Sarpy counties settled on an addressing schema database and will now begin to create workflows on creating the data. A master license for an address database is available. Those state agencies interested in participating need to contact Mr. Watermeier. The business planning process is working on costs and return on investment scenarios.

Elevation - Josh Lear A recent RFI has been disseminated for response. There are fifteen questions

on it addressing specifications and technologies used in LiDAR acquisition projects. This information will go towards completing the business plan. There will be plans to meet in the next couple of weeks to follow-up on the RFI responses.

Imagery - Mike Schonlau The NIROC III project is finalizing its spring imagery acquisition. Re flights have been recollected. Expect to receive the delivery of products in late June and early July.

NebraskaMAP – Jeff McReynolds A discussion started on funding. Several members are suggesting the cost recovery is not a good model for funding these large scale GIS projects to get started. There needs to be an organizational approach for a line item either for mandated program or legislative action. Several funding options will be examined and provided through the business planning effort. A list of policy related topics was distributed and asked for response by the Council. A follow-up to this will occur at the next meeting. A request was sought of the Council members on the best approach to address these topics. This could either be done like it is at the GIS Council meetings or work with an adhoc group of individuals from the GIS Council to work on these topics then progress them to the Council for review and vote.

V. Nebraska Spatial Data Infrastructure (NESDI)

DISCUSSION

Overview of NESDI – Josh Lear. An overview of the Nebraska Spatial Data Infrastructure (NESDI) was presented. <http://nitc.ne.gov/gisc/mtgs/docs/5-1-13/GISCouncilNESDI512013.pdf> Several needs were identified in defining the overall structure of the NESDI. Information will be gathered on the current status, priorities for development, methods of acquisition/development, stewardship, audience of users, use policies and recommendations, communication policies, and organizational and institutional guidelines. It is also important to look at data layers in respect to inter-relationships to other framework layers. It is important to understand the real costs for the layers and funding mechanisms to cover those costs in development and maintenance. Data sharing and the mechanism to publish through NebraskaMAP will also be addressed through this process.

Survey and Geodetic Control – Steven Cobb. An overview and discussion was focused on survey and geodetic control as the foundation for the NESDI. Mr. Cobb provided historical and practical considerations using cadastral maps and development of land records for GIS. A description was provided for cadastral surveys and the role they play in public records and law. He indicated importance from a land surveyor and how this data can be used in GIS.

It is by statute, for counties to maintain cadastral maps. For the current use of assessor parcels, various users are interested in acres. There are several collected acre boundaries: deeded acres, lease acres, FSA acres, and GPS acres. Howard county was one example that did not have tax maps. Examples were provided to incorporate land lines, existing maps and digitize to get into GIS. The land surveyor indexes distances and measurements within but in most cases do not provide GPS coordinates tied into the survey. There is no requirement in Nebraska for geographic coordinates to be recorded. Some states have it as a requirement. If this is done correctly there needs to be some level of accuracy recorded as well. There are costs associate with high—end dual band receivers to get to centimeter level accuracy. One recommendation to improve the process is requesting land surveyors to begin recording this information and reporting it. GIS mapped features should contain explicit and easy-to-understand metadata. It is also best practice to include disclaimers on GIS maps.

Several best practices were suggested to include cadastral information into a GIS. This includes: local projection, qualify and use GPS control, import existing cadastral maps, adjust to GPS control, and import/adjust to land surveys of record. Over time you can better adjust to changes in survey and geodetic control or other land parcel modifications.

Tom Lamberson arrived at the meeting.

The process of digitizing maps is still the majority of how cadastral maps are brought into GIS. The accuracy of the cadastral map can improve over time as we continue to add survey control. Assessors feel what they have meets their needs. They have to realize there are other uses and needs identified for this data. This goes beyond their original need and they need to be open to dialoguing and improving the data set over time including the spatial needs. There is also an educational need for the local communities to understand the uses and needs of the data and the relationships among different data sets.

It was recommended to start the process of gathering data and parcels to assess the current status in regards to several criteria and needs for the data.

This discussion and topic was tabled for the next GIS Council meeting. Mr. Herbert will organize several follow-up discussion topics in preparation for the next meeting.

VI. Updates from Member Agencies

DISCUSSION

Mr. Lamberson recognized the GIS Council and GIS/LIS Association's efforts in honoring Paul Yamamoto to Paul's family at a retreat yesterday. The family was grateful and honored.

Mike Schonlau highlighted an impervious surface map that was created in Douglas county.

Other member agency reports were held off as meeting time was expiring.

VII. Other Business

DISCUSSION

Membership.

The Nebraska Dept. of Roads, Bill Wehling replaces Rose Braun as the designee to Randy Peters.

There are three current member seats set to expire this year and will need to be renewed or replaced. These seats are: Public Power Districts, City of Lincoln/Lancaster County, and the Nebraska GIS LIS Association.

The Chair, Vice Chair, and State GIS Coordinator met with the NITC Board. They moved to accept the position recommendation of Pat Larson, Grand Island, for Member at Large seat. Pat's name has been moved forward to the Governor's office for review until it becomes an official appointment to the Council. Mr. Larson has also been notified of this current action.

The NITC also made a motion to have the GIS Council fill one of the additional Member-At-Large seats with an affiliation for private industry.

With the upcoming changes in membership, we will proceed to enact our nomination committee once again. We would ask Vice Chair Josh Lear to lead the committee. Others wishing to serve on this committee was solicited.

The nomination committee is tasked to establish criteria and process for identify candidates to be nominated to NITC for the private industry designated Member At Large seat. We also ask to seek nominations for the upcoming seats that will soon to be expiring end of this year.

We ask that the chair of this committee provide a report at our June meeting of the next steps.

VIII. Invitation for Public Comment from Attendees

DISCUSSION	There was no public comment.
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Meeting Conclusion

Adjournment	<p>Motion: Mr. Cielocha moved to adjourn. Mr. Herbert seconded. All were in favor. Motion carried.</p> <p>The meeting was adjourned at 3:30 p.m.</p>
Next Meeting	<p>The next meeting will be June 5, 2013, 1:00-3:30 p.m. at the Nebraska Department of Roads - Main Auditorium, 1500 Nebraska Hwy 2, Lincoln Nebraska.</p>

Meeting minutes were taken by Nathan Watermeier of the Office of the CIO/NITC.