

April 15, 2013

**To:** NITC Commissioners

**From:** Nathan Watermeier, State GIS Coordinator  
Mike Preston, Chair, GIS Council  
Josh Lear, Vice-Chair, GIS Council

**Subject:** GIS Council Report

### **Membership**

This topic was tabled from the last NITC meeting (October 29, 2012). Additional information was requested from the GIS Council on the nomination for the member at large seat. The GIS Council nomination committee responded to former Lt. Governor, Rick Sheehy and Ms. Brenda Decker, OCIO for this information.

### **Business Planning**

#### **Activities**

Several priority working groups are preparing business plans as a result of findings from the 2012 Strategic Plan. These efforts are led by NITC GIS Council members who are working with various stakeholders and partners including industry in the information gathering stages. Solutions are sought to find statewide data and services that meet our goals while providing quality and accurate data that meets state and federal standards. The following is a list of priority projects with business plan updates that were provided the past several months at GIS Council meetings.

#### **1. Facilitate the creation, maintenance, analysis and publishing of quality Nebraska Spatial Data Infrastructure (NESDI) data.**

**Street Centerline Address Database** - Spokesperson - Rose Braun, Nebraska Department of Roads  
Presentation Update: <http://nitc.ne.gov/gisc/mtgs/docs/3-6-13/StreetCenterlineBusinessPlanUpdate03062013.pdf>

Developing and maintaining a statewide seamless street centerline and address referencing system used for various transportation, public safety (ie, NexGEN 911), economic development and other related applications. A data model and workflow has been drafted. Initial work on QA/QC of existing street centerline data has started using PSC E-911 data. A statewide master addressing license is currently being sought with a vendor to fulfill current state government business needs. This will also assist the development of addressing points to be used in combination with street centerline data. Other partnership efforts like NexGEN 911 or combinations thereof will be involved in the process.

**Imagery** - Spokesperson – Michael Schonlau, Omaha/Douglas County  
Presentation Update: <http://nitc.ne.gov/gisc/mtgs/docs/3-6-13/ImageryBusinessPlanUpdate03062013.pdf>

Establishing the Nebraska Statewide Imagery Program and providing plans for digitizing and acquisition standards and guidelines, data sharing, and statewide coverage for various levels of imagery products and services. A survey is planned to go out for additional input from stakeholders on needs of imagery and applications. The latest 2012 USDA-NAIP imagery is being made available to the public through

NebraskaMAP. High resolution imagery was recently captured as a result of partnerships among the NIROC project for several eastern counties in Nebraska.

**Elevation (LiDAR)** - Spokesperson – Josh Lear, Nebraska Department of Natural Resources

Presentation Update: <http://nitc.ne.gov/gisc/mtgs/docs/2-6-13/ElevationBusinessPlanUpdate02062013.pdf>

Facilitating the acquisition, maintenance, and sharing of a statewide elevation dataset by developing standards and specifications for LiDAR point clouds and derivative products. Developing alternatives for systematic and cost-effective acquisition of these products, and defining a program of stewardship for managing and publishing the data. A Request for Information (RFI) went out April 10 for additional industry feedback to the planning purpose.

**Land Records** - Spokesperson – Eric Herbert, GIS Council NACO representative and Sarpy County

Presentation Update: <http://nitc.ne.gov/gisc/mtgs/docs/3-6-13/LandRecordsBusinessPlanUpdate03062013.pdf>

Enabling the integration of different local government land records information into a statewide dataset. Developing guidelines for a common geodatabase model that can provide public data for use in a multitude of state government applications. A working geodatabase model has been developed and piloted among several eastern Nebraska counties. Working on partnerships with local county assessors to obtain parcel (spatial and attribute) data for use in various state government applications. New requirements have been added to the State Records Board grants for communicating and accessing this appropriate data following the projects.

### **Survey Control**

Considerations for survey control needs to be taken into consideration for good quality data to exist in the future for several of the NESDI framework layers. Particularly, if multiple data sets are used in combinations for analysis and decision making. Some of our current data sets were created for a specific purpose with given budgets. As the adoption and use of the data has grown there are other needs for the data. This also has an implication on the level of spatial accuracy needed for the data to be useful. The Council is working with several from the surveying community to begin addressing these issues.

## **2. Provide widespread access to data and service and encourage data sharing.**

**NebraskaMAP.gov** - Spokesperson – Jeff McReynolds, Lincoln/Lancaster County

Presentation Update: <http://nitc.ne.gov/gisc/mtgs/docs/3-6-13/NEMAPBusinessPlanUpdate03062013.pdf>

Enterprise geospatial platform to provide public and private access to peer-reviewed Nebraska SDI data, maps, and GIS web services. NebraskaMAP started as a metadata portal to inventory and provide linkages to several data sets. Based on needs of the 2012 Strategic Plan, efforts are underway to enhance NebraskaMAP into a multi-use enterprise platform. Several pilot projects are underway in using and sharing NESDI data either through direct download, REST services, or accessing through web services.

## **3. Facilitate technical assistance and education outreach opportunities for furthering the adoption of the NESDI and geospatial applications.**

Spokesperson – Nathan Watermeier, State GIS Coordinator

Presentation Update: <http://nitc.ne.gov/gisc/mtgs/docs/4-3-13/TechAssistEdOutreachBusinessPlanUpdate04032013.pdf>

The GIS Council is working on an overall communication plan to publicize it's efforts. It is also working towards technical assistance and education outreach efforts in partnership with other stakeholders. New branding and marketing methods have been established to help in the identification and efforts of the GIS Council. Many of these efforts will be rolled out at the 2013 Nebraska GIS Symposium in Kearney.