

Nebraska Street Centerline Address Database Project



PROJECT CHARTER

Project Title: Nebraska Statewide Street Centerline Address Database
Project Sponsor: Ed Toner, CIO and the NITC GIS Council
Date: Adopted on June 27, 2008 and updated May 2, 2016

Major Participants: NITC GIS Council, Nebr. Office of the CIO, Nebr. Emergency Management Agency, Nebr. Dept. of Roads, Nebr. Game and Parks Commission, Nebr. Public Service Commission, Nebr. State Patrol, Nebr. Health and Human Services, City/County Governments, US Geological Survey, Nebraska Public Power District

Project Spokespersons: Rob Christian, NE Department of Roads
Nathan Watermeier, NITC / NE OCIO

Project Working Group: NE OCIO: Nathan Watermeier and Jeff Timm
NE Dept. of Roads: Rose Braun, Rob Christian, Ed Kelley, Michael Munson, Michael Niedermeyer, and Bill Wehling
NE Emergency Management Agency: Chad Boshart
NE Game and Parks Commission: Sudhir Ponnappan
NE Public Service Commission: Cullen Robbins
NE State Patrol: Jon Kraai
NE Health and Human Services: Karis Bowen
Lincoln/Lancaster County: Jeff McReynolds
Omaha/Douglas County: Mike Schonlau and Craig Carsley
Sarpy County: Eric Herbert
USGS: Jim Langtry, USGS Geospatial Liaison to Nebraska
Nebraska Public Power District: Tim Cielocha

** Working group members subject to change on an annual basis*

Project Vision: There is a broad and growing need among public agencies (state, local and federal) for reliable, convenient access to accurate statewide GIS/geospatial data on street and road centerlines, with associated address range information. This need spans a broad cross-section of application types for both public agencies and the private sector, including: public safety, emergency response, infrastructure management, natural resources management, economic development, human services, public revenues, electoral processes, etc.

Currently several local, state and federal agencies invest significant public resources in the ongoing development and maintenance of pieces of what could together constitute a comprehensive statewide Nebraska dataset. These pieces may involve only certain areas of the statewide geography or they may involve only certain attributes of what might be included in a comprehensive, multipurpose, statewide street centerline-address-transportation dataset. Yet while this data is widely needed and significant public funds are being invested in the development of its components, there is currently no single entity, which has the clear responsibility to ensure that this critical data is maintained, collected, integrated and reliably provided in a means that is convenient and useful to the wide range of users in Nebraska.

The project participants envision an enterprise-level project, which upon completion, will enable and support the on-going collection from multiple sources, integration, and distribution of a "best available" statewide street centerline-address database. Distribution of this "best available" street centerline-address database will include the

PROJECT CHARTER

ability of public agencies to maintain easy online access, without charge, to the most current version of the database.

The NITC GIS Council's strategic database development goal states, "Actively coordinate the development, maintenance, and distribution of priority statewide digital geospatial databases," This involves a project design approach that incorporates the goal of supporting many applications related to infrastructure planning and maintenance.

Project Overview: This project has been identified as a Nebraska Spatial Data Infrastructure (NESDI) Strategic Initiative. It has been established to develop and maintain a statewide seamless street centerline and address referencing system used for various transportation, public safety (ie, NexGEN 911), economic development and other related applications. Initiate assessment of current street centerline data. Implement a data model and workflow guidelines for QA/QC of existing and future maintenance of street centerline data. Develop data model for address points and use of data in relationship to street centerlines and other NESDI framework layers. Further develop partnership efforts that support NexGEN 911 or combinations thereof who needs to be involved in the process of using street centerline and address point data. Research and develop recommendations for standards, policies, infrastructure, and funding to support collaborative efforts by state, local and federal agencies to periodically acquire updated a seamless street centerline-address database. Identify methods and linkages through NebraskaMAP to communicate and provide access to relevant data to users and stakeholders.

Any effort to create an enterprise solution to the growing need for a statewide street centerline-address database must address an array of both technical and policy issues. The needs and expectations of the current data producers must be considered, as well as the needs of the broader community of data users.

Technical and Policy Issues

- Data model and standards
- Data distribution mechanisms
- Tools and processes for integrating data from multiple sources
- Tools and processes for notification of update availability
- Data model and standards
- Data sharing agreements, commitments, and restrictions
- Data development and maintenance plans/commitments
- Delineation of agency responsibilities and commitments
- Identification and empowerment of lead agency
- Funding strategies and justifications
- Business case development
- Plans/commitments for undeveloped data elements
- Plans/commitments for undeveloped areas

This Working Group will take the lead in identifying the issues, soliciting input, and recommending solutions. As part of this process, the project team will actively pursue input and feedback on all aspects of the project from agencies not directing participating in the project team's work. The project team, acting on behalf of the participating agencies, will make recommendations to the NITC GIS Council. The Council may accept, modify, or reject those recommendations.

PROJECT CHARTER

As part of this project, the project Working Group will develop a business case outlining the range of needs for this dataset and the justifications for the commitment of public resources for the on-going costs associated with the development, maintenance, and distribution of this “best available” dataset.

Specific project milestones include the delivery of a comprehensive business plan, implementation and maintenance activities are underway, and that adequate resources are provided for the sustainability of the Nebraska Street Centerline Address Database Project.

Standards: The working group provides recommendations to the GIS Council for the development and maintenance of standards. The following standards are applicable to this project initiative.

NITC 3-201 Geospatial Metadata Standards. <http://nitc.ne.gov/standards/3-201.html>

NITC 3-205 Street Centerline Standard <http://nitc.ne.gov/standards/3-205.html>

NITC 3-206 Address Standard <http://nitc.ne.gov/standards/3-206.html>

When recommendations are approved through the GIS Council for standards, the NITC shall be responsible for adopting minimum technical standards, guidelines, and architectures upon recommendation by the technical panel. Neb. Rev. Stat. § 86-516(6). The State of Nebraska, Office of the CIO (OCIO) will be responsible for assuring that metadata is completed and the data is registered and available for distribution through NebraskaMAP. They will also be responsible for ensuring that standards and guidelines relative to development, meeting quality control standards, and approving address points for the statewide address point database for distribution are conducted according to subsections in the standard.

State granting or fund disbursement entities or agencies will be responsible for ensuring that these standards are included in requirements related to fund disbursements as they relate to street centerlines, address range data, and address points. Local government agencies that have the primary responsibility and authority for street and address naming, street centerline and address point placement will be responsible for ensuring that those sub-sections defined in the standard will be incorporated in the street centerline and address point data development efforts and contracts.

Decision-making: It is the intent that this project Working Group will seek consensus on the best solutions and resolutions of the issues and present recommendations forward to the NITC GIS Council. The NITC GIS Council is charged with establishing guidelines and policies for statewide Geographic Information Systems and priority databases, and authorized to establish advisory committees from various levels of government, industry, or the general public pursuant to Sections 85-569 and 85-573, R.R.S. 1943. In cases where a consensus is not possible, the differing viewpoints and their rationale will be forwarded to the NITC GIS Council for further discussion and resolution.

Project Timeline: The timeline for completion of this project is ongoing until otherwise modified or terminated by the direction of the NITC GIS Council. Additional updates and changes to this charter can be made at any time by the NITC GIS Council.