

GIS-related Statewide Technology Plan Action Items

*Adopted as "Action Items" in the Statewide Technology Plan by the
Nebraska Information Technology Commission on 1-27-06*

INTERNET MAPPING SERVICES. Develop a plan for the coordinated delivery of Internet mapping services by state agencies, with the objectives of making GIS services and existing GIS/geospatial data readily available to a broader array of agencies, improving data access and services to the public, minimizing unnecessary duplication of effort, providing data and system backup, and where appropriate, provide for a coordinated security system, including the possibility for limited data access and password protection.

Lead: Larry K. Zink, Coordinator, Nebraska GIS Steering Committee

Timeframe: December 31, 2006

Funding: Initial planning should be possible with existing resources available for agencies currently providing or developing Internet mapping services. More detailed planning and implement may require additional resources, which would become clearly as a result of the initial planning.

Status: A number of state agencies already have or are investing in the development of Internet mapping services: Dept. of Natural Resources, Dept of Roads, Game and Parks Commission, CALMIT-UNL, Dept. of Environmental Quality, Health and Human Services System, Emergency Management Agency and others. In addition to these state agencies, several local governments and other political subdivisions are investing in and making all or part of their geospatial data available through this technology. In addition to some agency-specific geospatial databases, most of these agency Internet mapping services rely in several geospatial databases that are common to each other (aerial imagery, street centerlines/addresses, political subdivision maps, elevation data, surface water features, etc.). If properly configured, the technology allows for the live, interactive access and sharing of data from multiple Internet map servers. The technology also allows others to leverage these existing state investments in Internet map services by building new applications, which incorporate the existence of these Internet map servers into their application design. If properly configured, the technology also enables the interactive access of data from existing Internet map servers provided by local and federal agencies and the private sector.

STREET CENTERLINE-ADDRESS DATABASE. Develop a plan (including responsibilities and resource requirements) for the coordinated development, data integration, on-going maintenance and online distribution/Internet mapping service of a composite, "best available", statewide street centerline/address database.

Lead: Larry K. Zink, Coordinator, Nebraska GIS Steering Committee

Timeframe: December 31, 2006

Funding: Investments are planned or currently being made in this data by the Public Service Commission, the State Patrol, and the Dept. of Roads.

Status: The Public Service Commission (Enhanced E911), the State Patrol (statewide computer-aided dispatch), the Dept. of Roads (highway planning and maintenance and accident reporting), and the Dept. of Revenue (Internet and catalog sales tax collection) all have current initiatives that require current statewide street centerline/address databases. In addition, there are numerous other state agency applications that require this data: homeland security, bioterrorism, health and social services delivery, economic development, etc. Under the auspices of the GIS Steering Committee and the CIO, initial meetings have been held with some parties to encourage and facilitate coordination of investments in data development. Further work is needed to develop a plan to insure statewide development, data integration, on-going maintenance, and arrangements for online distribution.

METADATA AND STATE GEOSPATIAL DATA CATALOGUE. Document existing state agency GIS/geospatial data with formal metadata and encourage the listing of available geospatial data in Nebraska Geospatial Data Center Clearinghouse Catalog.

Lead: Larry K. Zink, Coordinator, Nebraska GIS Steering Committee

Timeframe: December 31, 2006

Funding: \$25,000 grant is likely to be solicited, if grant award is not forthcoming efforts will still be undertaken as resources allow

Status: The NITC has adopted a Geospatial Metadata Standard (http://www.nitc.state.ne.us/standards/data/metadata_standard_20050923.pdf), which calls for the progressive documentation of state agency geospatial data, within a one-year timeframe. The Nebraska Department of Natural Resources, in partnership with the Nebraska GIS Steering Committee, has developed a Nebraska Geospatial Data Center (<http://www.dnr.state.ne.us/databank/geospatial.html>). This Data Center includes a geospatial data clearinghouse and metadata development tools.