

Minnesota Geospatial Advisory Council Meeting

June 1, 2016

Blazing Star Room, Ground Floor, Centennial Office Building

658 Cedar St., St. Paul, MN 55155

11:00 a.m. – 2:00 p.m.

Agenda

1. Call to order (Chair)	11:00	15 min
a. Introductions		
b. Approval of agenda		
c. Approval of meeting minutes from 3/2/2016		
2. Review and accept committee and workgroup summaries (All)	11:15	10 min
3. Hydro and Elevation Committees Update (Brandt)	11:25	10 min
4. Sector Reports (Brad Anderson & Andra Bontrager)	11:35	10 min
5. GIS/LIS Consortium Conference Update (Sjerven)	11:45	10 min
6. Break Networking	11:55	30 min
7. Accessibility for Geospatial Content (Wyant, Hurley)	12:25	30 min
8. US National Grid (Swazee)	12:55	20 min
9. Legislative Updates (Ross)	1:15	5 min
10. Updates on Major Initiatives	1:20	10 min
11. MnGeo Priority Projects	1:30	15 min
12. Announcements or other business	1:45	15 min
13. Adjourn	2:00	

Agenda Item 2. Review and Approval of Committee & Workgroup Summaries

Emergency Preparedness Committee

Report Date: May 31, 2016

Report Originator:

Stephen D. Swazee, Sr., Emergency Preparedness Committee (EPC) Chair, 1360 University Avenue West, Suite 455, St. Paul, MN 55104. 651-285-5015 (O), 612-239-6981 (M)

Past Meetings:

- **March 10, 2016**, 2-4:30 PM, Rice Street Library, St Paul, MN. Featured talk: Slippery Slope: Towards Better Understanding and Prediction of At-Risk Hillsides, Dr. Carrie Jennings, MN DNR.
- **December 10, 2015**, 2-4:30 PM, Amherst H. Wilder Foundation. Featured talk: **MnGeo Common Operating Picture Tiger Team Proposal**, Lt. Col. Guy Konietzko (MNNG, Ret.), GeoComm.
- **September 10, 2015**, 2-4:30 PM, Metro Counties Government Center. Featured talk: **GIS Use During the 2015 Minnesota Avian Flu Response**, Lucinda Dahlberg, UM-VDL, Minnesota Poultry Testing Laboratory/MN Board of Animal Health in Willmar; Karl Hillstrom, MN.IT Services, Agriculture and Board of Animal Health; and Alison Slaats, MN.IT Services, Agriculture and Board of Animal Health.
- **June 18, 2015**, 2-4:30 PM, Metro Counties Government Center. Featured talk: **Minnesota NG-911 Presentation/Question and Answer Session**, Adam Iten, Minnesota Emergency Communication Network Next Generation 9-1-1 Project Manager.

Next Meetings:

- **June 9, 2016**, cancelled in lieu of UMGEOCON USNG workshop.
- **TBD**, Steering Committee meeting.
- **September 10, 2015, 2-4:30 PM**, topic and location TBA.

Significant Developments:

- Situational Awareness Sharing Initiative (SASI) Tiger Team Charter and Work Plan submitted to MN GIO Ross for review and discussion.
- U.S. National Grid Update briefing to be provided to Minnesota Geospatial Advisory Council during its June 1, 2016 meeting.

Significant Issues: As previously stated in report submitted February 24, 2016.

Charter and work plan:

The Committee charter and work plan is posted on the committee web site:

<http://www.mngeo.state.mn.us/committee/emprep/index.html>

Outreach Committee

Person generating this status report and their contact information: Kari Geurts

Committee/workgroup:

- Meetings that have taken place: The committee met on 3/2/2016 and the meeting minutes can be reviewed at the [Outreach Committee webpage](#)
- Progress on work plan:
 - Activities: The committee had an informal online meeting to discuss the process of forming the committee and what types of activities the group would want to work on. A Charter was written and approved by the committee members. A draft Work Plan document has been written. The committee had a formal meeting on 3/2/2016.
 - Accomplishments: The committee has completed a Charter document and draft Work Plan document. The committee co-chairs presented the Charter to the GAC members and the council voted to approve the Charter, the motion passed unanimously.
 - Progress toward achieving proposed goals: The committee has been formed, a Charter has been adopted, and a draft Work Plan has been started.
 - Problems or impediments: None
 - Required assistance: None

Additional comments:

The next Outreach committee meeting will be on Wednesday, June 1st 2016 at the Centennial Building Cafeteria at 11 AM.

Parcel and Land Records Committee

Date of Report: 5/20/2016

Accomplishments in last 6 months:

- Met with the Standards Committee to move forward with the Parcel Data Transfer Standard. The proposed standard is being prepared for the review process – creating a consistent way to handle numbers and incorporating the Arrowhead GIS group’s land owner types.
- The committee is working closely with the Arrowhead GIS group, following their work on standardizing a parcel fabric in the region, which includes PLS data and public land owner types.

Planned for the coming year:

- Continue to work closely with MnGeo on the development of statewide parcel data.
- Develop protocols and scripts to help counties export their parcel data into the attribute standard.
- Explore the development of a standardized parcel fabric framework to share with counties.

Meetings held and scheduled:

- 05/13/2014 – new charter and work plan adapted
- 8/6/2014 – review work plan
- 12/3/2014 – review PRISM project
- 5/27/2015 – decision to use DCDATS attributes

Charter and work plan:

The Committee has a modest work plan posted on the web

<http://www.mngeo.state.mn.us/committee/cadastral/index.html>

Standards Committee

Report Date: May 5, 2016

Person generating this status report and their contact information: Geoff Maas, chair

Committee/workgroup:

Meetings that have taken place: When? (If possible provide links to the meeting minutes.)

The Standards Committee convened in person on April 6 for the first time in four years. All information about the Standards Committee including recent meeting notes are available here:

<http://www.mngeo.state.mn.us/committee/standards/>

Progress on work plan:

With the Standards Committee having been inactive for some time, the committee's charter is being revisited for potential revision, and a new work plan is being developed to include a description of the status of existing standards, a list of standards in progress, a list of possible/needed standards in the future by the state's geospatial community and a list of clear definitions of the terminology to be employed by the standards committee for its work. Committee Chair Geoff Maas will have this material prepared by the next meeting of the Standards Committee, anticipated to occur in the fall of 2016.

Key points to be incorporated in the Standards Committee's forthcoming work plan moving forward will include:

- *Higher visibility of the Standards Committee and its work and the ability of the geospatial community to meaningfully connect to it*
- *Proposed standards must have documented business needs and committed champion*
- *Consistent definition and terminology related to standards development*

What has been accomplished?

State Cadastral (Parcel) standard. *The Standards Committee has deliberated minor modifications to the State Cadastral (Parcel) Data Standard. Once these modifications are approved, the Standards Committee will open a new round of public review of the cadastral standard. Additional work includes the development of general ownership (agency type, e.g. federal, state, regional, county, city, etc.) and administrative ownership (agency name, e.g. U. S. Army Corps of Engineers, Pollution Control Agency, Metropolitan Council, Ramsey County, City of Stillwater, etc.) domains to make working with the parcel data easier. Partners in the state's Arrowhead region (St. Louis, Lake and Cook Counties) have been most active in developing these domains.*

NextGen911 Standards. *The NextGen 9-1-1 GIS Standards Workgroup has been actively developing and recommending standards to meet the needs of their user community, incorporating draft standards from the National Emergency Number Association. The work of this group will feature prominently in the upcoming review and work of the Standards Committee.*

Next Steps (2016):

Standards Committee Chair Geoff Maas is committed to getting a draft work plan together for the membership to review prior to the next meeting (Fall 2016) of the Committee, as well as getting the State Cadastral Standard

materials up for review, and working in partnership with the NextGen 9-1-1 stakeholders to ensure their work can align with other standards and initiatives already underway.

Agenda Item 4. Sector Reports

Cities – Greater Minnesota: Brad Anderson

Non-profit GIS Sector: Andra Bontrager

Report

The National States Geographic Information Council (NSGIC), in affiliation with the Federal Geographic Data Committee (FGDC), explains in the report “Geospatial Data Sharing” (2011) how GIS data must be shared among government agencies, nonprofits and academic institutions in order to best contribute to the public good.

Successful collaboration in this sector depends on shared services and resource maximization. My experience is that the non-profit GIS sector is continually increasing its utilization of GIS, particularly by means of ESRI’s conservation programs and growing open-source GIS applications. However, the sector is generally lacking in coordination of GIS resources within itself, outside of the efforts of MN GIS/LIS which is an exemplary leader.

Primary Non-profit Sector Challenges

- 1) We are hard to find. The GIS professionals working in non-profits are few and far between, not just spatially, but in quantity as well. According to the 2009 MN GIS/LIS Salary Survey statistics, only 12 of 242 respondents classified themselves as not-for-profit (less than 5%).
- 2) We are over-worked and under-funded. Our services are in high-demand within our sector, yet while we tend to be over-utilized for project-specific tasks, we are often under-supported in long-term programmatic planning.

Outline of Issues and Proposed Solutions

- 1) Build collaborations to increase GIS capacity in the nonprofit sector
 - a. Collaboration capacity is limited in this sector due to:
 - i. Lack of awareness of GIS capabilities (by non-gis users)
 - ii. Lack of resources (fiscal and personnel)
 - iii. Barriers for accessing data (fiscal and proprietary)
 - b. Both inter-sector and intra-sector collaboration are essential for maximizing resource efficiency
 - i. Reduce redundant efforts within sector and among other sectors
 - ii. Increase fiscal or long-term support from within and outside of sector
- 2) Work with readily accessible resources to increase communications within and outside of sector
 - a. MN GIS/LIS Resources
 - i. Start a sector dialogue with an article in the newsletter?
 - ii. Re-Call the non-profit GIS user group initiative
 - iii. Networking events for GIS professionals (increase non-profit engagement)
 - iv. Get on the MN GIS/LIS resource list for non-profit interests
 1. SharedGeo?
 - b. Create a Non-profit GIS List-serve
- 3) Find and secure resources for collaborations
 - a. Offering GIS services to non-GIS non-profits
 - b. Collaborating among GIS professionals within sector
 - c. Foundation support, philanthropy, grants?
 - d. Non-profits often have the same supporters... coordinate interests?

Agenda Item 7. Accessibility for Geospatial Content

Presentation Outline

- State Guidelines for Accessibility
- Static Maps
- Interactive Maps
- What can we all do – next steps
- Resources

Presenters

- Kitty Hurley – MN.IT Services @ Health
- Kim Wee – MN.IT Services @ Education
- Jay Wyant – Office of Accessibility

Agenda Item 11. MnGeo Priority Projects and Initiatives

June 1, 2016

While there are many worthwhile geospatial projects and endeavors, MnGeo is focusing its efforts and its limited resources on a few projects in order to make meaningful progress. All of these projects are in collaboration with other organizations and are either underway or anticipated to be initiated in the coming months. In alphabetic order, MnGeo's priority projects are:

DPS Crash Portal Project

Project Goal: A collaborative project between MnGeo and the Minnesota Department of Transportation (MnDOT) to provide the Minnesota Department of Public Safety (DPS) with web services and data to be used in their recently released crash system. This new system allows officers to map the locations of vehicle crashes and pull information from GIS data rather than having officers enter location information manually.

Project Status: Web services have been created and are currently being utilized by the MN Crash System. The system is also designed to work in a disconnected mode, so shapefiles have to be produced in a format so that the vendor can automate the updating for all the squads and keep in sync with the web services and map cache. The base map data is derived from the new MnDOT Linear Reference System (LRS) that was recently put into production. Processes are being created to automate the updating, verifying and validating of all the data coming into the DPS Crash data store. MnGeo will be automating the updating, verifying and validating of processes to export to shapefiles and update the basemap map cache to allow the officers to map crashes when not connected to the Internet.

Anticipated Completion and Milestones: The MN Crash application went live January 1, 2016 and is currently utilizing a draft version of the LRS data. MnGeo anticipates that the project will end late-summer and then become an ongoing program to support the MN Crash system by providing quarterly updates to the services and disconnected shapefile data.

Project Funding: The project is currently being funded by DPS and MnDOT.

Project Issues, Concerns and Risks: Clear requirements to the specific needs of DPS and MnDOT have not been definitively defined. The MnDOT LRS data production release date has yet to be determined.

Project Contacts: James Bunning (MnGeo) and Norm Anderson (MnGeo)

Drainage Record Modernization

Project Goal: Produce a GIS database template and accompanying data standards for Minnesota's public drainage system records. The database template will be available to interested parties statewide and its use will be required for drainage authorities to receive competitive drainage records modernization cost-share, when available. In addition, the Board of Water and Soil Resources (BWSR) publication, *Drainage Records Modernization Guidelines* will be updated to reflect the creation of the GIS template and standards.

Project Status: The contractor, Houston Engineering, Inc., has created a final draft geodatabase template and outline of the updated guidelines document. Both are currently under review by the Project Team and will be discussed at the next Steering Committee meeting on May 24th. Houston is also working to define a user training method by helping a couple local drainage authorities enter their data into the template.

Anticipated Completion and Milestones:

Project Milestone	Target Completion Date
Project Start	10/1/2014
Specify template objectives & requirements	1/29/2016
Outline of template and metadata prepared by contractor	9/30/2015
Update <i>Drainage Records Modernization Guidelines</i> publication	6/30/2016

Disseminate information about the GIS database template and guidelines	12/30/2016
Project Complete	12/30/2016

Project Funding: \$230,000

Project Issues, Concerns and Risks: A condition for use of the template by local drainage authorities is that they share a hydrographic subset of their data publicly on the Geospatial Commons. Some may be unwilling to agree to this.

Project Contacts: Greg Fetter (BWSR, Executive Sponsor), Tim Gillette (BWSR, Business Champion), Jim Krumrie (MnGeo, Project Manager), Brian Fischer (Houston Engineering Inc., Contractor), Al Kean (BWSR, State Consultant)

Geospatial Commons

Operations: The long-range objective of the Commons is to be the best source for the widest variety of geospatial data, services, information, ideas and news in Minnesota. Now fully operational, it allows users to find, view and download data; publish metadata and data; and find and use web services and applications. Operations are headed by MnGeo and supported by MN.IT staff who serve Agriculture, DNR, MnGeo, and MPCA.

Status:

MnGeo and the support team are moving to implement operational improvements that:

1. Stabilize the system’s ability to respond to increased demand
2. Add capacity for new publishers and resources
3. Reduce excessive or unwanted duplication and replication to agency file servers (“GDRS nodes”)
4. Diversify available methods for publishers to provide resources

These improvements will take place over the next year and a half, and are slated behind other projects in terms of timing and priority. During that time, the team continues to focus on governance issues and adding content from new and existing publishers.

Twenty resources have been published since our last report, one new publisher implemented (Itasca County), and another very close to implementation (Ramsey County). As of May 13, the count of published resources accessible through the Commons totals 520:

Organization	Resource Count
Metropolitan Council	142
Natural Resources Department	141
Geospatial Information Office	75
Dakota County	54
Agriculture Department	30
Minnesota Geological Survey	26
Pollution Control Agency	18
MetroGIS	17
Transportation Department	11
Health Department	5
Board of Water and Soil Resources (BWSR)	4
University of Minnesota, Twin Cities	4
Itasca County	4
Education Department	3
Lake County	3
Revenue Department	2

Minnesota Valley Transit Authority	1
Ramsey County	0

Funding: Agencies currently provide funding for the operations of the MN Geospatial Commons. Currently there are no dedicated funds for enhancements to the site, although a small amount of project funding may be provided this biennium for a series of small improvements. MnGeo is providing a quarter time Operations Manager, technical and administrative support. Staff members from several State agencies (most notably: DNR, Agriculture and MPCA) have committed to assisting with operational support. Other resources are expected to be made available by MN.IT Services as needed.

Issues, Concerns and Risks: Several issues that will likely require future input from leadership and advisory Councils/Committees have arisen, including a precise definition of *how* those decisions are made, and *when* leadership input is required. A draft governance model has been created and is expected to be shared soon. It addresses issues including, but not limited to:

- Scope of allowable data formats
- Stewards for federal agency datasets (customized for MN) and datasets that do not have an “obvious” steward
- Large data set replications to multiple GDRS nodes
 - Related: do we continue to store/serve/host “purely local” data, or do we aggregate first?

Contact: Mike Dolbow (Operations Manager)

Master Contract for Aerial Imagery

Project Goal: To provide a list of experienced pre-approved vendors from which State Agencies and Cooperative Purchasing Venture (CPV) member organizations can contract for medium-to-high resolution orthoimagery and planimetric mapping services in a streamlined process through individual custom work orders.

Project Status: Nine vendors were selected and master contracts were executed in January 2016. A website providing program details and forms, managed by the Minnesota Department of Administration, was made public in mid-May (visit: <http://www.mmd.admin.state.mn.us/AerialImagery/AerialImagery.htm>).

The Metropolitan Council issued the first Work Order Solicitation associated with the Aerial Imagery Master Contract in January. The Surdex Corporation was awarded the work order to acquire Metro-wide 4-band, 30-cm imagery this spring. Since then, four Metro counties – Anoka, Carver, Dakota and Scott – executed additional contracts through the program to buy-up to 15-cm (6-inch) imagery.

Raw imagery was acquired between April 9 and 22, 2016. Partners are now working with the vendor to determine appropriate pilot ortho-processing areas and color balance parameters.

Anticipated Completion and Milestones: This master contract is in force for two years, with an option to extend those contracts for three additional years. Any number of specific Work Orders are permitted during that time.

Project Funding: No dedicated funding has been identified for this master contract. Each organization creating specific Work Orders is expected to fund its own individual projects.

Project Issues, Concerns and Risks: Coordinating the contract efforts, while simultaneously informing potential beneficiaries of this project, requires more resources than the project currently has available.

Project Contacts: Chris Cialek (MN.IT Services), Dan Ross (MnGeo)

Next Generation 9-1-1

Project Goal: NG9-1-1 implementation will depend on current and accurate GIS data. Geospatial data will be used for location validation, call routing and emergency response. With the Minnesota Department of Public Safety serving as the lead state agency for NG9-1-1, MnGeo will identify, inventory and collaborate with the public-safety

answering points (PSAPs) and 9-1-1 entities to obtain, develop and distribute core geospatial data required to support the program. To succeed, this effort will require several critical, statewide data sets:

- Street centerlines, with address ranges (described below)
- Address points (described below)
- PSAP boundary polygon(s)
- Emergency response – law enforcement, fire and EMS boundary polygon(s)
- Authoritative boundary polygon(s) – GIS data authority for a given area

All GIS data will need to be validated with legacy E9-1-1 data.

Project Status:

- The third issue of the NG9-1-1 GIS project newsletter was distributed in May to all project stakeholders. The newsletter is also available on the ECN website:
<https://dps.mn.gov/divisions/ecn/programs/911/Pages/gis-information.aspx>
- MnGeo is collecting and assessing all required NG9-1-1 GIS datasets from counties in the Central, Metro, Northeast, and Southeast regions for use in NG9-1-1. The Metro and NE are considered to be pilot regions for developing the necessary data assessment and preparation plans. The assessment findings will be compiled into Data Readiness reports for each County/PSAP, which will be shared back with each County/PSAP upon completion.
- Development is underway for the MN NG9-1-1 GIS Standards, which will serve as a guide for preparing and maintaining GIS data for NG9-1-1 in Minnesota. The Standards Workgroup has been meeting weekly since the beginning of September 2015. The Standards WG has been tasked with recommending and developing standards needed to integrate locally collected and maintained GIS data into statewide layers deemed critical for the Emergency Call Routing Function (ECRF) and Location Validation Function (LVF) of NG9-1-1. The MN PSAP and GIS stakeholders recently completed their first review of the DRAFT MN NG9-1-1 GIS Data Standards. MnGeo has compiled all comments/questions and is working with the Standards WG to provide necessary responses and revisions to the standards. The next stakeholder review and comment period will take place this summer and will include neighboring states, as well as, ECRF, LVF, and other NG9-1-1 vendors.
- Finally, the NG9-1-1 GIS data portal, repository, and workflow are currently being planned and designed. This workflow includes accepting GIS data uploads from local GIS sources and then standardizing, validating, and aggregating the local datasets into the statewide NG9-1-1 datasets. Other workflow tasks include generating and distributing condition/error reports, and provisioning the ECRF and LVF.

Anticipated Completion and Milestones: Although an official completion date has yet to be established, it is anticipated that geospatial data will need to be ready for NG9-1-1 deployment in 2018. Below is a list of current project tasks with estimated completion dates.

- **Outreach to PSAPs and GIS Sources** – ongoing
- **Project Scope and FY15 Work Plan** – completed March 2015
- **Regional Kickoff Meetings** – completed early June 2015
- **FY16 Work Plan** – completed late June 2015
- **PSAP Request for Information and Summary Report** – completed late August 2015
- **FY17 Work Plan** – complete by late June 2016
- **MN NG9-1-1 GIS Standards** – complete and approve by late 2016
- **GIS Data Assessment and Data Readiness Profiles** – complete by late 2016
- **Spatial Information Function (SIF) and Extract Load Transform (ELT) Requirements and Workflow** – complete by late 2016

Project Funding: \$600K per year for 3 years

Project Issues, Concerns and Risks: Issues, concerns and risks will be identified during the first phase of the project.

Project Contacts: Dan Ross (Executive Sponsor), Adam Iten (Project Manager), John Hoshal (GIS Project Lead)

OSA Portal Project

Project Goal: A year-long project to provide the Minnesota Office of the State Archaeologist (OSA) an OSA-branded web application that allows it to maintain a digital, secure, and up-to-date inventory of archaeological sites, surveys, and associated forms. This system streamlines internal administrative tasks for OSA and also those of tiered external users in an effort to better preserve historical cultural resources across Minnesota. This project is made possible through an inter-agency agreement between MnDOT and MnGeo on behalf of OSA and in consultation with the Minnesota State Historic Preservation Office (SHPO).

Project Status: A secure, enterprise database environment is being prepared for the OSA's Archaeological Sites Database with content and design improvement recommendations being submitted by MnDOT's Cultural Resources Unit (CRU) and the Minnesota Historical Society's SHPO. User roles have been defined and secure access created. Modifications are currently being modeled into the database. Early stages of a geospatial data entry application are under development and base data are being gathered in the first stages of designing an interactive GIS map display application.

Anticipated Completion and Milestones: The interagency agreement under which this project is being governed calls for the project to be completed by December 14, 2016. Database redesign is anticipated to be completed by mid-summer at which time loading and error correction will commence. Web mapping application development will be ready for testing in the fall.

Project Funding: \$180,000 through a federal grant managed and administered through MnDOT.

Project Issues, Concerns and Risks: Confining requirements to the specific needs of OSA, SHPO and CRU while engaging other prospective stakeholders in a structured future development and expansion strategy.

Project Contacts: Michael Bergervoet (MNDOT/CRU), Christopher Cialek (MN.IT Services)

Parcels, Street Centerline and Address Point Collection

Project Goal: To collect, standardize and aggregate county parcel, street centerline and address point data into statewide datasets for use by NG9-1-1 as well as for other state agency purposes. MnGeo asks for parcel, centerline and address point data in a single request to counties.

Project Status:

Parcels

The [parcels project](#) has been underway for several years. While significant progress has been made (e.g., survey of all 87 counties, development of a Parcel Business Plan, generation of a proposed parcel attribute data exchange standard) there is much work yet to complete. MnGeo is well underway collecting data from local partners and has collected parcels for 69 counties to date.

MnGeo continues to work with the MN Department of Revenue to determine how the Parcels Project complements Revenue's [PRISM \(Property Record Information System of Minnesota\) Project](#); however, based on timing and the need to move forward, the Parcels and Land Records Committee is proceeding with standards review for an updated version of the [DCDATS proposed standard](#) in the interim.

Anticipated Completion and Milestones:

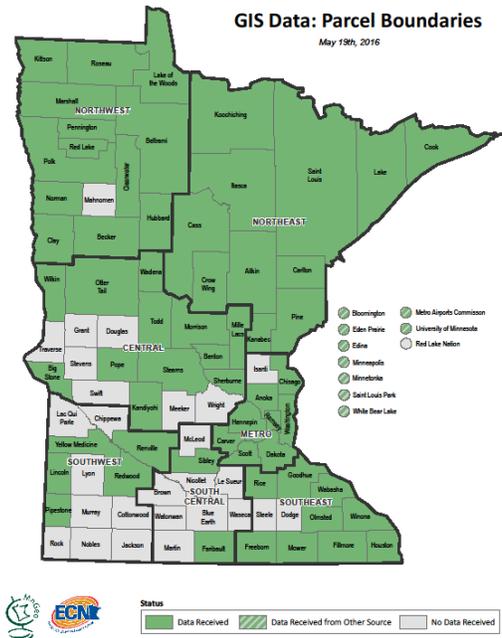
Milestones	Anticipated Due Date
Collect all available data	June 2016
Standardize the three layers	October 2016
Aggregate the three layers into single regional or statewide datasets	December 2016

While we do not expect to be able to obtain complete statewide coverage, we do anticipate we will be able to obtain and aggregate many counties. It is hoped that complete statewide parcel, centerline and address point data layers will be available in 2 years.

Project Funding: There are no dedicated funds for this project.

Project Issues, Concerns, and Risks: Project success is dependent on counties developing and sharing both spatial and attribute data. Issues include: Some counties have been reluctant to share their data, data content and quality varies between counties (and in some cases within counties), no established standard for parcel, address or centerline data in MN currently exists (although we are working toward the DCDATS standard), and time/personnel needed to complete collection, standardization and aggregation processes. **While the data will be available to government agencies many counties have asked the state not to share parcels obtained for their counties. With that approach it is likely we will never achieve a statewide shared parcel layer.** (see [full-size map](#))

Project Contact: Dan Ross (Executive Sponsor)



Street Centerlines

Project Goal: Create an authoritative, multi-purpose, public-domain centerline spatial dataset representing the entire state of Minnesota that can be relied upon to accurately represent (to the best extent possible) the actual roadway assets of the state. This data layer is to be collaboratively built and maintained to reduce cost, eliminate redundant efforts, facilitate better data capture, provide inter-agency reporting and address a variety of needs from roadway data consumers.

Project Status: The MnDOT LRS tools were put into production internally earlier in 2016. MnDOT has been working to update the data that was frozen during the project. MnGeo is working with MnDOT to define data workflows that provide data updates from both non-state road authorities and state agencies to a single repository where the data will be standardized and aggregated. The project team is currently working on implementing a database model within MnGeo that will meet the needs of NG9-1-1 that can be shared with non-state participants. The statewide team has agreed to use the data model created from the NG 9-1-1 effort for centerlines which used the Metro Region Centerline Collaborative work as a starting point. MnGeo will be responsible for bringing data together from MnDOT, other state and non-state road authorities.

Anticipated Completion and Milestones: The draft of the standard is being vetted by stakeholders and should be available by October 2016. A secure repository, data model and database has been set up as a prototype within MnGeo and the metro counties are currently submitting their centerline. The goal is to have the two pilot areas (Metro and NE regions) submitting data for validation and aggregation by the end of 2016.

Project Funding: DPS and MnGeo are covering staff time and infrastructure to build out the repository, data model, and work flow as the data and system will be used for NG9-1-1.

Project Issues, Concerns and Risks: The project is heavily dependent on requirements, tools and standards being provided for the NG9-1-1 project. The project scope needs to be well defined. Concrete goals and objectives are developed; more specific dates are being determined.

Project Contacts: Dan Ross (Executive Sponsor), Adam Iten (Project Manager), John Hoshal (GIS Project Lead)

Address Point Collection

Project Goal: Create an authoritative, multi-purpose, public-domain address point dataset representing the entire state of Minnesota that can be relied upon to accurately represent (to the best extent possible) the actual location of addresses in Minnesota. This data layer is to be collaboratively built and maintained to reduce cost, eliminate

redundant efforts, facilitate better data capture, provide inter-agency reporting and address a variety of needs from address data consumers.

Project Status: MnGeo is working with PSAP (Public Safety Answering Points) and local authorities to define data standards that will be used to build out a standard statewide data set.

Anticipated Completion and Milestones: The goal is to have the first draft of the standard and data model available for review by stakeholders by June. The data flow and repository to support moving data from partners into the NG9-1-1 repository have been prototyped and the two pilot areas should be submitting address data by the end of 2016.

Project Funding: DPS and MnGeo are covering staff time and infrastructure to build out the repository, data model, and work flow as the data and system will be used for NG9-1-1.

Project Issues, Concerns and Risks: The project is heavily dependent on requirements, tools and standards being provided for the NG9-1-1 project. The project scope needs to be well defined. Concrete goals and objectives are developed; more specific dates must be determined.

Project Contacts: Dan Ross (Executive Sponsor), Adam Iten (Project Manager), John Hoshal (GIS Project Lead)