GIS Advisory Council
October 26, 2023

Council Members

Alfredo Herrera	Gary Archambault	Emily Wilson
Scott Gaul	Erik Snowden	Peter Sampiere
Stuart DeLand	Mark Hoover	Meghan McGaffin
Jennifer Petrario	Thad Dymkowski	
Dan Czaja	John Guszkowski	

Official Start time: 1:02pm

Agenda
Introductions

Attendance:

Alfredo Herrera	Gary Archambault (Lisette Stone)	Emily Wilson
Scott Gaul	Erik Snowden	Peter Sampiere
Stuart DeLand	Mark Hoover	Meghan McGaffin
Jennifer Petrario	Thad Dymkowski	
Dan Czaja	John Guszkowski	

Introductory remarks

- Goal to create more robust discussion among the group to have a more active advisory role

Public comment

- None

GISO Priority Topics & Working Group Updates (Alfredo Herrera)

- *GIS office Communications and Outreach*
    o Need stronger communication from the GIS Office
    o GIS office Newsletter after every GAC meeting
    o Will contain recap of items from the meeting, summarizing GAC discussions, listing upcoming events, other items as they come up
    o First one coming out on November 1, 2023

- *New interactions with State Agencies*
    o DSS, DOC, DPH, Dept of Ag
    o Collaborating with more state agencies to enable GIS work
    o We are beginning that process.

- *Aeriel Imagery*
  - o Talked about it at NEARC
  - o Two imagery and Lidar captures Spring 2023 & Spring 2026, Dewberry is the vendor
  - o True ortho imagery shows a significant improvement on the data
  - o Lidar point cloud is very high quality
  - o LOD2 3D buildings
  - o QAQC process once full data deliveries are in hand
    - ▪ Automation will be used to prioritize areas of interest for review - Will be reaching out for assistance with this task
  - o Data will be served out through CTECO server (Raster data & contours) and CT Geodata Portal (vector data)

- *Parcel & CAMA*
  - o Largely in similar state to the last time, last 10% of the work
  - o Data is all in a single schema
  - o Simplified version of the CAMA schema that was submitted to OPM
    - ▪ 38 fields that would be most likely to be used and in every towns CAMA
    - ▪ Data is highly varied, difficult to standardize across all the fields
  - o As we publish viewers, we will get feedback from stakeholders

- *Broadband mapping (David Lukens)*
  - o Fourth data collection from ISPs complete to serve as a basis for the BEAD Initial Proposal
  - o New Public maps by Dec 1

- *Parcel Creation Guidelines & GIS Clearinghouse*
  - o The document is in the editing process and a draft will be submitted to the GIS Office by the end of the year.

GIS Strategic Plan Update (Carl Zimmerman)

- Middle phase of three-part plan that we've been working on since the Spring
- Refer to the memo that Alfredo sent out – summarizes the 5 parts
- Thanks for Strategic plan workgroup for work and feedback through the process
- Three parts: data collection, strategic plan, implementation
- Gotten through 2/3 of activities, presentation at CT GIS Day, final document in December
- Internal and external prioritization of issues for strategic goals
  - o External – engagement workshop where people chose most important issues
- Highest ranking items:
  - o The role of the GIS Office and communication with stakeholders

- o Support of local communities and organizations
- o The role of the GAC
- o Optimizing the usage of the GeoData Portal
- o GIS data, standards, acquisitions, and services
- o Planning for the future funding of imagery
- o Societal and equity issues
- Goals:
  - o Goal 1 – Use effective governance, policies, and standards to manage geospatial data
  - o Goal 2 – Implement a sustainable funding model for imagery acquisition, GIS data, and geospatial technologies
  - o Goal 3 – Increase access to data, spatial analysis, web services, and visualization capabilities for local governments, community organizations, the private sector, and other stakeholders
  - o Goal 4 – Provide direct analytic support and enhance capacity building for State Agencies
  - o Goal 5 – Broaden communication and engagement across different levels of government and other organizationsFor every goals there is an objective and related activity
- We hope that you will have input & feedback.
  - o Do the following sound appropriate: Scope of goals? Tone? Objectives? Activities?
- Lisette Stone (on behalf of Gary Archambault): Adding SMART milestone so state can measure progress to meeting goals?
  - o Carl: we had not put metrics in yet because haven't fleshed out deliverables, but planning to after we have those
- Mark Hoover: Outreach. Focus on current GIS users. Is it worth reaching out to non-GIS users across the state; reach out to other groups and give presentations about what we've done as a State in the terms of GIS
  - o Carl: yes, it is an important goal to reach out to communities and professional groups that don't have connection to core GIS community
- We will be reaching out to council members individually within the next couple of weeks to talk about and get feedback about the proposed mission and vision statements for GIS Office

Addressing and NextGen911 (Dan Czaja)

- 911 GIS Coordinator/Manager, Dept of Emergency Services and Public Protection, Division of Statement Emergency Telecommunications
- Addressing side of 911
- Basic CT 911 Information
  - o Statewide 911 service completed between 1987-1989
  - o 102 PSAPs
  - o 2 million+ 011 calls in 2022, 83% wireless
- Addressing has always been important to 911; addresses are what you need to dispatch the call
- GIS addressing data is also used to spatially route NG911
  - o We can move the telephone calls with GIS; GIS is driving the 911 system
- Address data history
  - o Street centerline since 2003

- o Able to load in the aerial imagery when it came out
- o 2011 broadband project included a lot of parcel and point data
- o Address points begun in 2015
- o Complete town coverages in 2021
- Specs
  - o Everything is NENA based
  - o Based on the newer NG911 standard
  - o Data is based on municipal data – we want the source of information to be the person/organization who made the street/address
  - o 1.18 million address points as of Oct 2023
  - o Use 911 community name instead of zip code/town name
  - o ALI database – match rate is 99.5%
- How do we keep the addresses updated?
  - o User driven – telephone companies; new subdivisions, etc. getting new cable service in buildings
  - o 911 Driven – PSAPs send updates
  - o Town driven - letter sent saying there was an addition or change
  - o Aerial imagery
- Authoritative data sources
  - o Municipal GIS data
  - o Municipal online GIS/assessment data (Google)
  - o Municipal human sources – town designees that will know the information
  - o DOT street data – it is official, street lists with names, not used as much anymore because municipalities are good about getting their data online
- Non-authoritative data sources – used to support out authoritative sources
  - o USPS
  - o Google maps street view
  - o Bing Oblique imagery
  - o Zillow/real estate websites
  - o Local real estate websites
- Future addressing opportunities
  - o There is a lot of info out there that we don't have; we need to formalize more of our partnerships about getting more addressing
  - o Multi-address parcels are difficult; sometimes towns don't have the data; apartments, condos, stores, etc
  - o Want to formalize a better process in getting the addresses more accurately; need to spell out responsibilities & technical obstacles
  - o Addressing is a local thing, so it involves local municipal organizations – we need to be able to involve them in the process, give them the tools and basic requirements; municipalities have different amounts of resources
- Meghan McGaffin: How do you manage apartment complex addresses or places where there are multiple buildings with building and units components to the address or are you more concerned with getting onto the parcel?

- o DC: NENA standard for addressing has a robust format for adding multitude of sub-unit information to addresses; NENA/NG911 world wants each telephone line in an area to have an address (i.e. in an office building, each cubical with a phone number would have an address)
- Mark Hoover: Issue with the NextGen address update process; no way to update addresses for municipalities with their own PSAPs; the whole process is pretty archaic; was told they were going to be manually updating things which seems to be the opposite of what we are trying to do a statewide dataset
  - o DC: We handle the 911 time (getting call answers); CAD is the towns responsibility to load data for that. We do provide NextGen with centerline which is difficult to format to their specific data; we can look into it
- Lisette Stone: Is there a statute or regulation that require municipalities to update data and send to state on a regular basis
  - o DC: We have a regulation that the town has to provide us data when we ask them to provide it; never had an issue that the towns wouldn't give data for 9-1-1
  - o LS: Is street centerline data available?
    - ▪ DC: Cross agency available; a licensed data product; DPH should be getting it
  - o LS: How do you receive and organize all of the piece mail of data
    - ▪ DC: A lot of it is ad hoc; manual process
- Emily Wilson: a lot of overlap with layers across the agencies; is there any coordination between the efforts? Can we streamline it
  - o DC: We've had discussions about merging a lot of the things; initial conversations with DOT; conversations with OPM to combine efforts so that we have one big address dataset for everyone
  - o EW: important to have one large accurate dataset that everyone is using
- Alfredo Herrera: GIS office is here and willing to help, how can we do so? We need to be proactive about getting data from locals and figure out a way to be a bit more automated for publication of data down to the people that use it. How can the GIS Office and stakeholder help with the processes? 911 is important to everyone. NG911 as an initiative has a lot of guidance documents and frameworks – do we have any planning about how we are moving over to that system?
  - o DC: As long as we have the data and tell out 911 system how to map the data, there is not a lot that we need to do on the NG side. NG is changing so much. We push data into the system and it does all the work. Starting to go towards to the cloud and web services. As long as we have good data in a good format, that is the most important part. There are some things we can do to make the NENA format for streamlined
  - o AH: What can we do to help you get there
  - o DC: This is the place for us to formalize a system to collect the address data that is formatted properly; we should work together to do that; the guideline is something that we can and should work on
- Scott Gaul: When you pull in other layers, what are the things that you're seeing that you need to make updates; where do you see discrepancies
  - o DC: Street name inconsistencies and unit information

- Scott Sharlow: NextGen is working on getting a way to move away from the program they use, so there might be room for discussion as they are shifting

Last questions and comments:

Lisette Stone: Is the updated feature class for parcels still organized by town or is it statewide single feature class?

- Alfredo Herrera: Statewide single feature class

LS: Statewide geocoder?

- AH: In the works, tentatively for the end of the year

LS: The drinking water section is working to federate data into the CT Open data portal, we'll need some support regarding the standards.

- AH: Working on developing the standards

Closing remarks

- Alfredo thanks everyone for attendance and discussion, please feel free to reach out
- Newsletter on November 1

Adjourn: 2:30pm