



# MetroGIS Coordinating Committee

Thursday, October 26, 2023





# MetroGIS Coordinating Committee

October 26, 2023

**1 ) Call to Order**

**2 ) Approve Today's Meeting Agenda**

**3 ) Approve Minutes from last meeting on June 8, 2023**  
Minutes are available at [metrogis.org](https://metrogis.org)



# Agenda Item 3a



**Tanya Mayer**

*Senior GIS Coordinator*

Metropolitan Council

**2023 Polaris Leadership Award Recipient**

# CONGRATS, TANYA!





# Welcome New Members!

**Molly McDonald**

*GIS Coordinator*

*City of Bloomington*

**Alex Steele**

*GIS Coordinator*

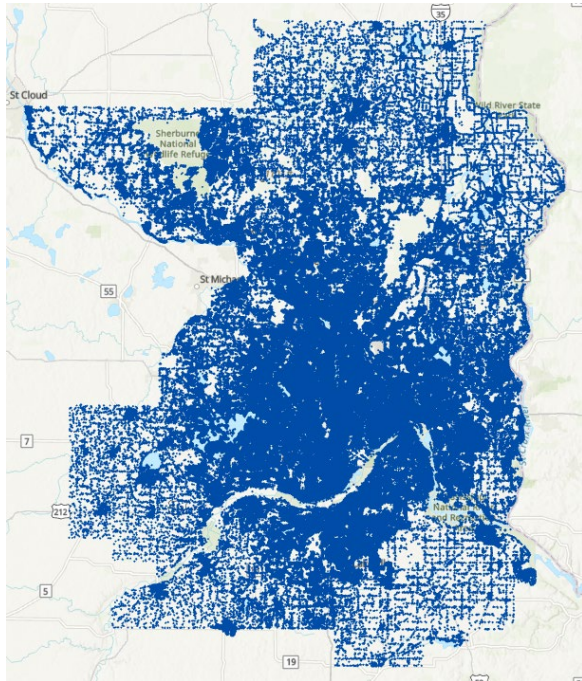
*Minnehaha Creek Watershed District*



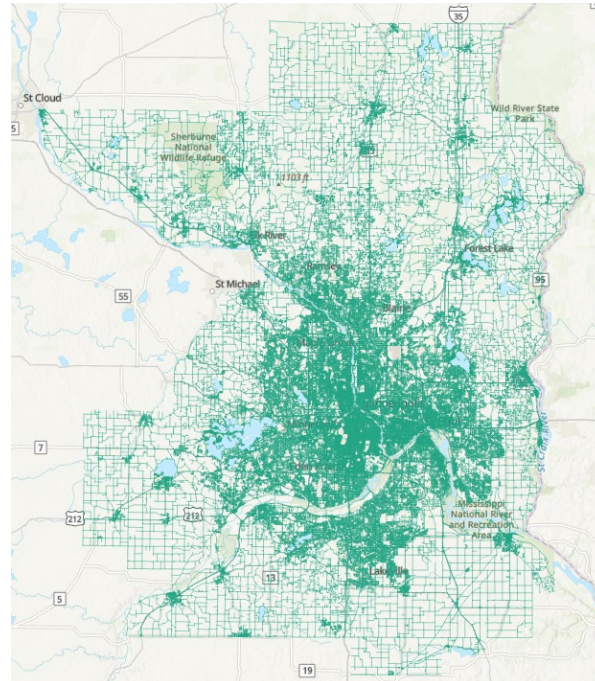
# Why we are here:

## #1 - Regional Datasets

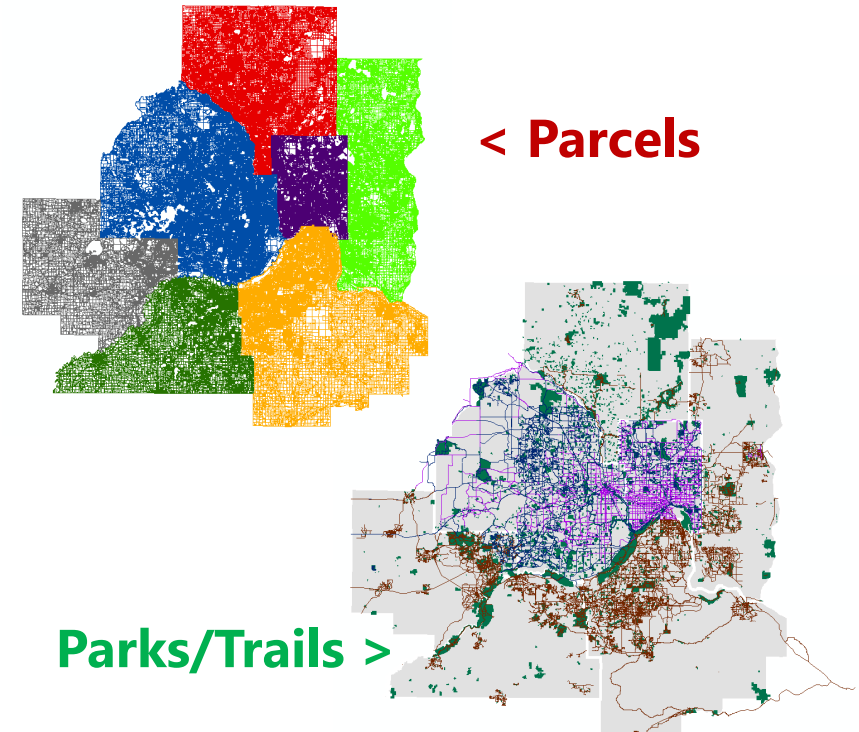
- Stable, continued, on-going, maintenance of the regional datasets
- Regional datasets remaining high quality and accurate
- Ease of access and reliability of the regional datasets



Address points



Road centerlines





# Why we are here:

## #1 - Regional Datasets

- Stable, continued, on-going, maintenance of the regional datasets
- Regional datasets remaining high quality and accurate
- Ease of access and reliability of the regional datasets

## #2 – Meet the needs of the participants

- A place to communicate, discuss, and explore ideas
- A place to ask for what you want and need

## #3 – Take on projects appropriate to the collaborative

- Projects and initiatives to meet our shared needs



We are ahead of the curve, nationally:  
**URISA (Columbus, Ohio): Oct 16-19**

## Minnesota's Twin Cities Metro Journey Toward Open Data & Standardized Regional Datasets

**Geoffrey Maas** AICP GISP



**Senior Geospatial Business Analyst**  
**Ramsey County Information Services**



**Affiliate Faculty**  
**Humphrey School of Public Affairs, University of Minnesota**



GIS-Pro Columbus

#GISPro2023





Agenda Item 4

# 2023 MetroGIS Project Updates







# **4) 2023 Project Updates**

**4a – LIDAR Collection**

**4b – External Platform Publishing**

**4c – MLCCS Project Update**

**4d – Regional Data Provisioning (6)**



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# 4a - LIDAR Project Update

Woolpert has collected the Metro region as part of the Central Mississippi Region (18 Counties)

Preliminary data is at USGS

Delivery of data to counties

## December 2023?





# Minnesota Lidar Hub

Learn about lidar and the need for a new lidar collection in Minnesota. This website provides resources, plans to acquire and support lidar, and current status information for the Minnesota Lidar Plan. The website is developed and maintained by the Geospatial Advisory Council 3D Geomatics (3DGeo) Data Acquisition Committee and facilitated and supported by the Minnesota Geospatial Information Office (MnGeo), an office of Minnesota IT Services (MNIT).

## Events / News

Email [lidar@state.mn.us](mailto:lidar@state.mn.us) for meeting invitation(s) when available. Please indicate which meeting(s) you would like to attend.

3D Geomatics Committee Recognized for team-managed, partner-based lidar acquisition at Geo Week. To learn more, check out this brief [one-page information sheet](#).

3DGeo's GIS/LIS presentation recording is now available for viewing: [Past - Present - Future: A 3D Geomatics Committee Update on Minnesota's Lidar Plan Presentation Recording](#).

## Featured Resources



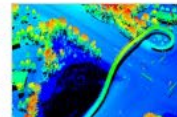
### Minnesota's Lidar Story

An introduction to lidar, how it is used in Minnesota, and the Minnesota Lidar Plan.



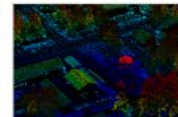
### Minnesota Lidar Plan (PDF)

This plan outlines the need for a new lidar collection in Minnesota, and the path to...



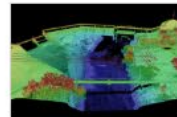
### Past - Present - Future: A 3D Geomatics Committ...

Minnesota Lidar Plan Panel Discussion at MN GIS/LIS 2021 Sean Vaughn, Gerry Sjerver,...



### Why 3DGeo Supports Quality Level 1

The Geospatial Advisory Council's 3DGeo Acquisition Workgroup explains its suppo...



### Lidar for County Government

How counties benefit from lidar and find returns on investments.



### Lidar Elevation Data for Minnesota: 2008-2012

Resources from the 2008-2012 Lidar Elevation Data for Minnesota project.



### MnTOPO

MnTOPO is a web application for viewing, printing and downloading high-resolution...



### HIDDEN LANDSCAPES Lidar Story Map

### Hidden Landscapes Public

Hidden Landscapes tell the story of the 2020 Goodhue County high resolution Lidar...

<https://lidarhub-minnesota.hub.arcgis.com/>



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# 4b - External Platform Publishing

Metro regional datasets made available to/integrated with/published in:

- **ESRI Community Basemap**
- **Google Maps**
- **Open Street Map**
- **HERE**
- **Others as they emerge**



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# **4c - MLCCS Project**

**(Minnesota Land Cover Classification System)**

**Existing MLCCS data is from 2011  
Metro region data is incomplete**

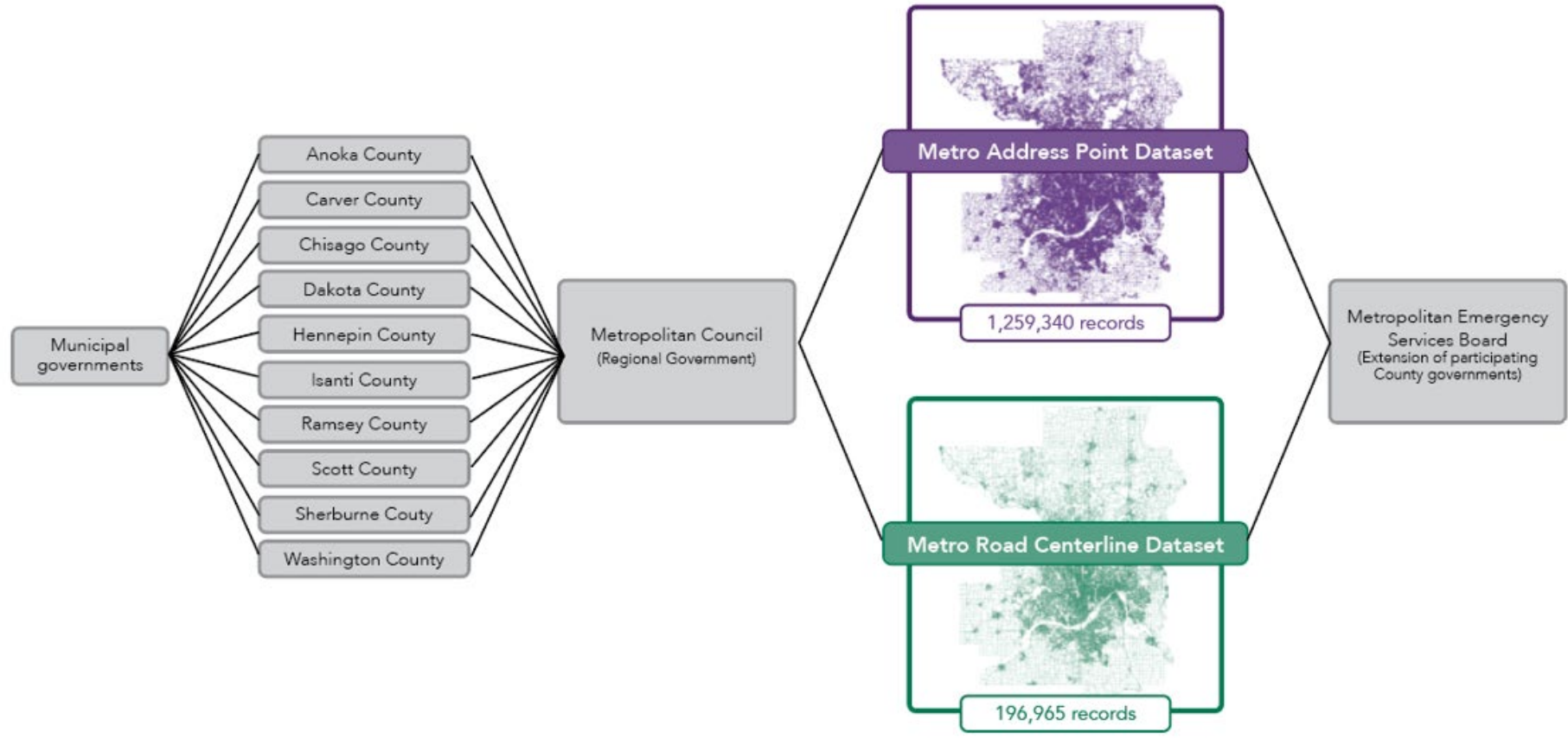
**MetroGIS providing \$26,500 in 2023 toward  
new land cover data collection process**

**Contract between MetCouncil/DNR is executed  
Work is underway...**





# 4d - Regional Data Provisioning and Maintenance

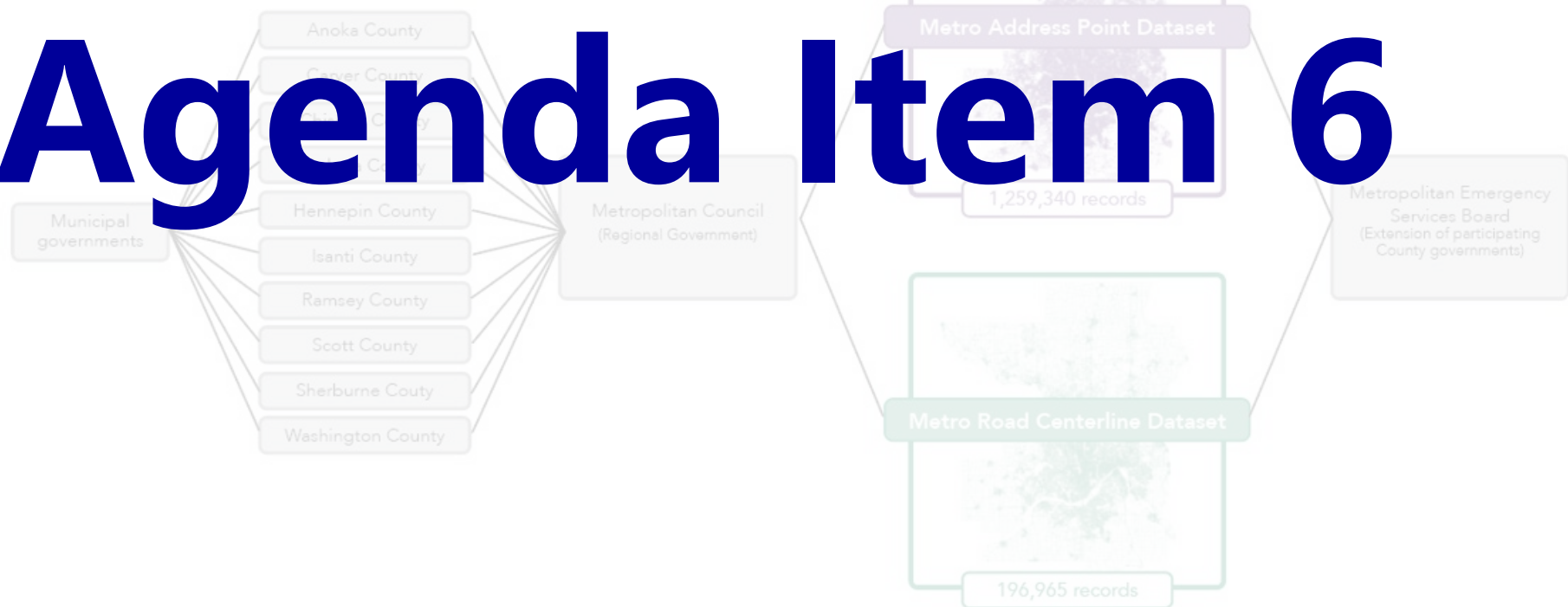




# 4d - Regional Data Provisioning and Maintenance

Will cover in full as

# Agenda Item 6





# **Agenda Item 5**

# **2024 MetroGIS Work Plan**





## Annual Work Plan:

- **Approve in fall for next years work**
- **Living document**
- **Details on our project initiatives**



*Draft Plan proposed for Coordinating Committee review.  
September 2023*

*Approved by the MetroGIS Coordinating Committee on XX/XX/2023*

MetroGIS  
390 Robert Street North  
St Paul, Minnesota 55101  
[www.metrogis.org](http://www.metrogis.org)



# Projects >> Project Template



[Publications](#) [Contact](#) [News & Events](#)

## Project Templates

Successful inter-agency projects require planning, identification of personnel and resources and clear delineation of goals and desired outcomes. The following template is provided to assist MetroGIS stakeholders to prepare and submit project proposals for consideration by the Coordinating Committee for inclusion in the annual work plan.

### [MetroGIS Project Proposal Template](#)

Editable Microsoft Word document (Version 3.0, August 2017)

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- [Project Templates](#)
- [Work Plan + Budget](#)
- [9-1-1 Data Viewer](#)
- [Metro Centerlines](#)
- [Park + Trail Data](#)
- [Free + Open Data](#)
- [Address Point Aggregation](#)

## Project Proposals

### New Project Proposals for 2024 Work Plan:



### Examples of Past Project Submittals

-  [New Process for Creating MLCCS Data](#) – updated for 2023 work plan  
New Project Proposal, PDF Document, revised November 2022
-  [Regional Funding Participation in Statewide LIDAR Collection](#)  
New Project Proposal, PDF Document, published 2022
-  [Metro Address Editor Tool \(WebApp Builder\)](#)  
New Project Proposal, PDF Document, published August 28, 2017
-  [Addressing Resource Guide](#)  
New Project Proposal, PDF Document, published September 1, 2017

### MetroGIS Project Submittal and Approval Process:



<b>Project/Activity Name</b>	<b>Status</b>	<b>Do in '24</b>	<b>CC Priority</b>
Regional GIS Data Provisioning	Active	On-going	1
Lidar Acquisition	Active	Yes	2
External Platform Publishing	Active	On-going	3
MLCCS Update	Active	Yes	4
Metro Regional Data Viewer	Maintenance	Maintenance	Maintenance
Metro Stormwater Geodata Project (MSWGP)	Draft standard is available for use and is being tested	On-going testing by volunteers	Not prioritized
Addressing Best Practices Guide	Ramsey County is in development of a draft for eventual review by the community	Yes	Not prioritized
Metro Park and Trail Dataset and Data Standard	On hold	No	Not prioritized
Parcel Best Practices Guide	On hold	No	Not prioritized



# 2024 Annual Work Plan:

***Motion to approve?  
Second?***

***Discussion:***

- *Approve*
- *Amend/Revise*
- *Table*

***Vote:***

- *Any against?*



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# **Agenda Item 6**

# **Regional Dataset Maintenance**

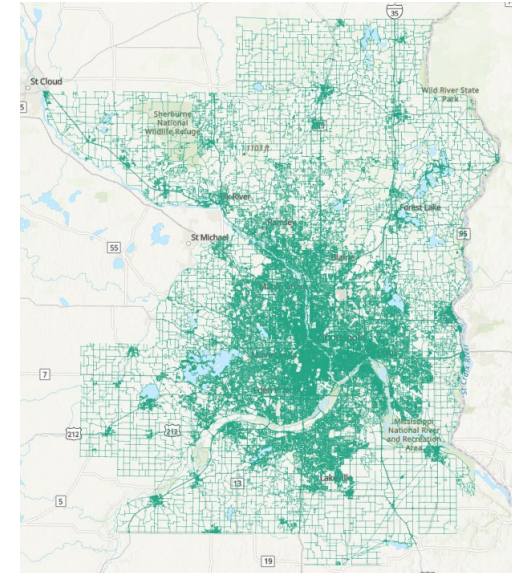
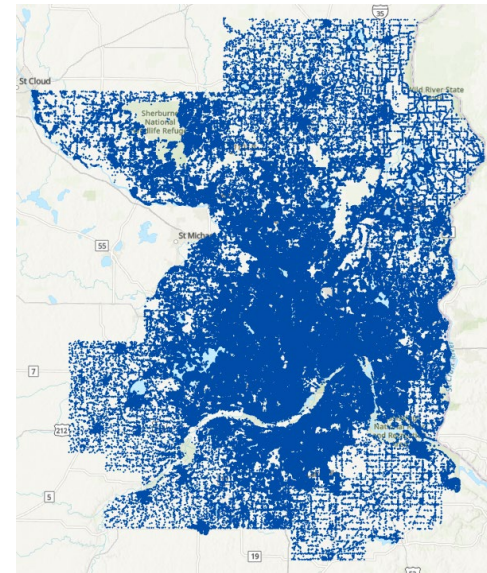




# Regional Data Provisioning and Maintenance

Support the mission of MetroGIS through the continued availability of...

- **Standardized**
- **Authoritatively-sourced**
- **Complete**
- **Accurate and timely**
- **Relevant,** and
- **Publicly available**



...geospatial datasets for the metropolitan region.



# Four Priorities

**1- Address data content items inhibiting regional data from being integrated into ESRI's Community Map Program and World Geocoding Service**

**2 - Implement improvements to MetroGIS data validation process & GAC standards compliance**

**3 - Document ongoing address and road data workflows, including NG911 connections**

**4 - Identify roadblocks to sustaining the regional Road Centerline and Address Points datasets long term**





# Priority 1:

## Address data content items inhibiting regional data from being integrated into ESRI's Community Map Program and World Geocoding Service

- ✓ Work sessions with data producers
- ✓ Data clean-up, tool enhancement, testing and implementation
- ✓ Live implementation of tool enhancements
- Final address duplicate check at Metropolitan Council
- Re-submission of regional address points to ESRI
- Better understand data flow from National Address Database into ESRI Community Basemap and World Geocoding Service



## Priority 2

### Implement improvements to MetroGIS data validation process & GAC standards compliance

- ✓ Updated validation tools rolled out to data producers
- ✓ Full transition to new tools
- ✓ Improved, proactive regional process error report rolled out on the Regional Data Viewer





## Priority 3

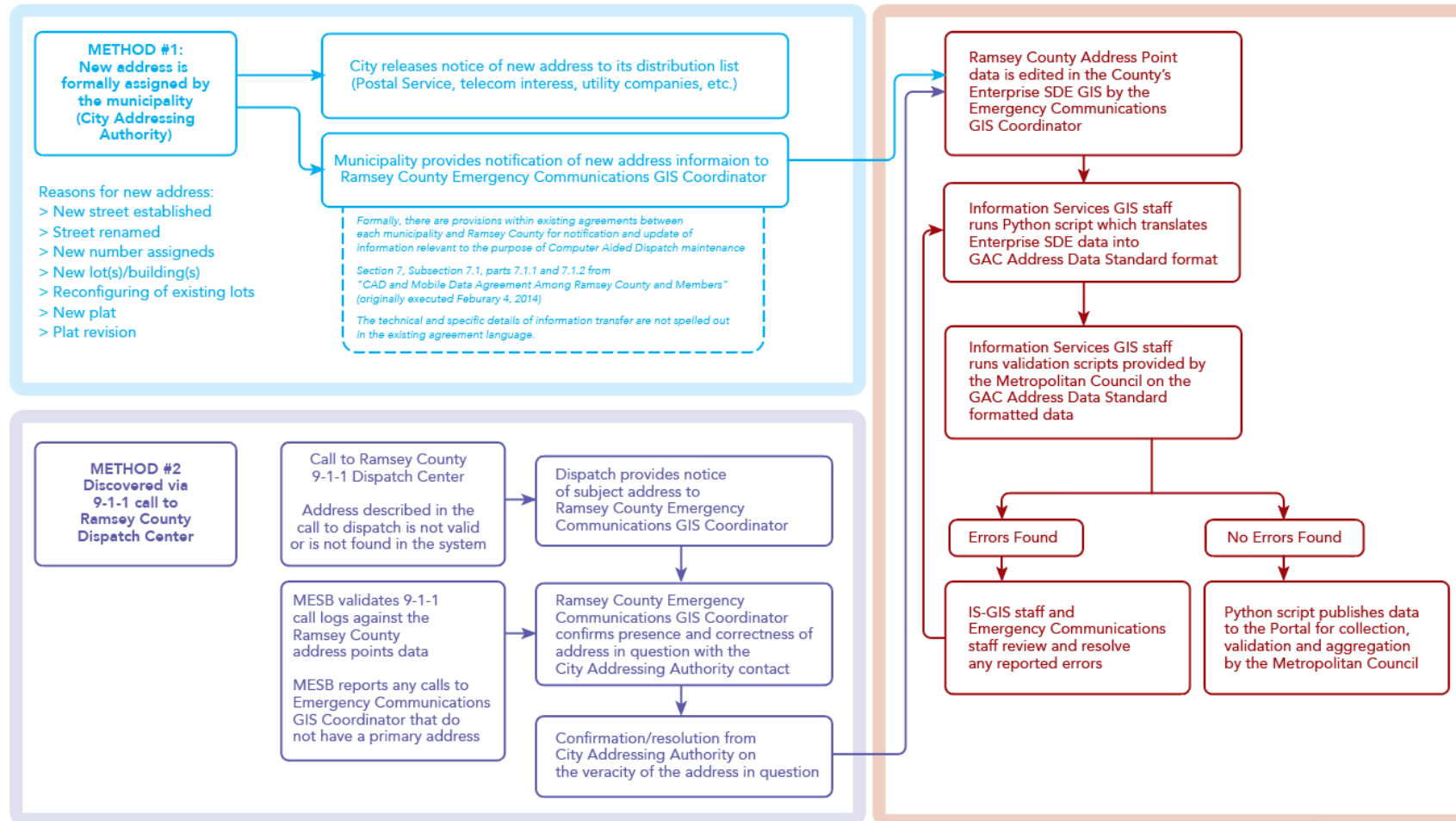
### Document ongoing address and road data workflows, including NG911 connections

- ✓ **City-County data workflow documentation using Ramsey County template as a general guide**
- ✓ **Metropolitan Council MetroGIS aggregation/validation/posting workflow**
- ✓ **NG911 data workflow (MESB)**
- ✓ **NG911 and GAC data workflows (MnGeo/DPS)**



# Priority 3

## City-County Workflows Address Point Process

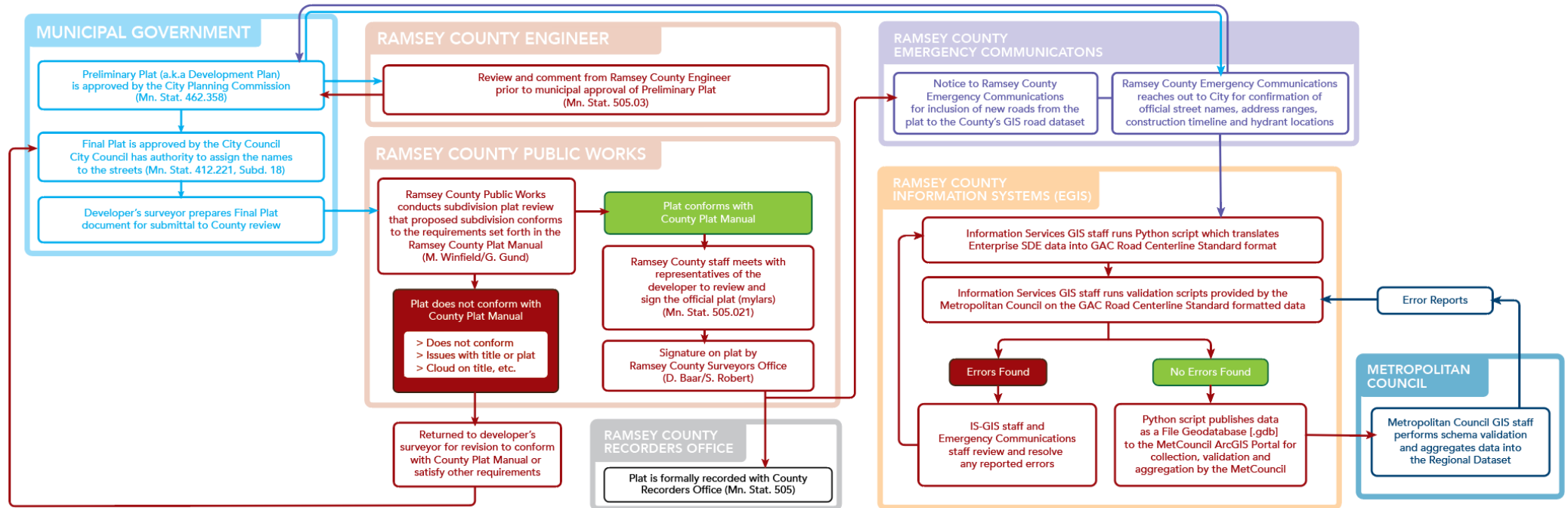




# Priority 3

## City-County Workflows

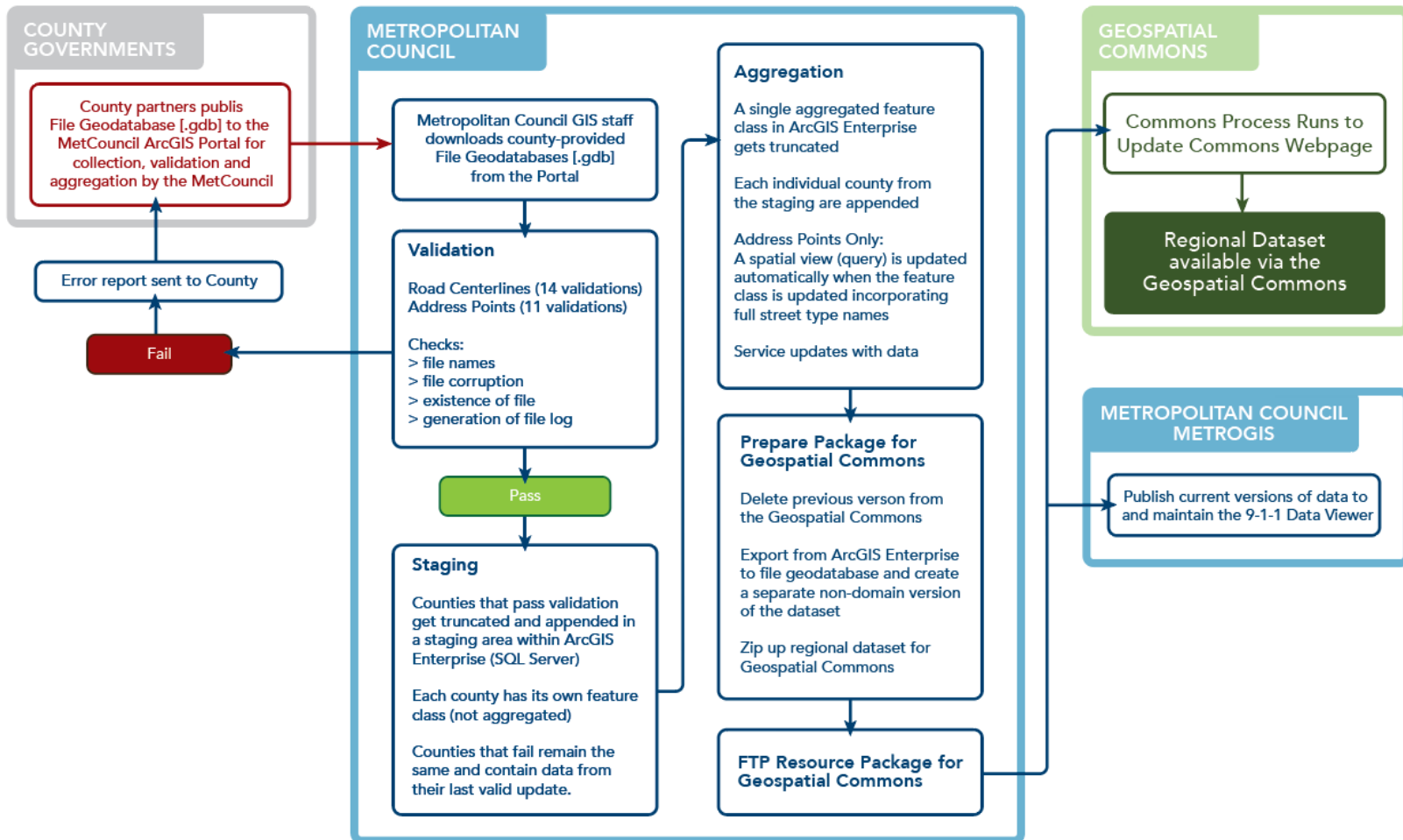
### Road Centerline Process



# Priority 3

## Regional Workflows

### Metropolitan Council Regional Dataset Process

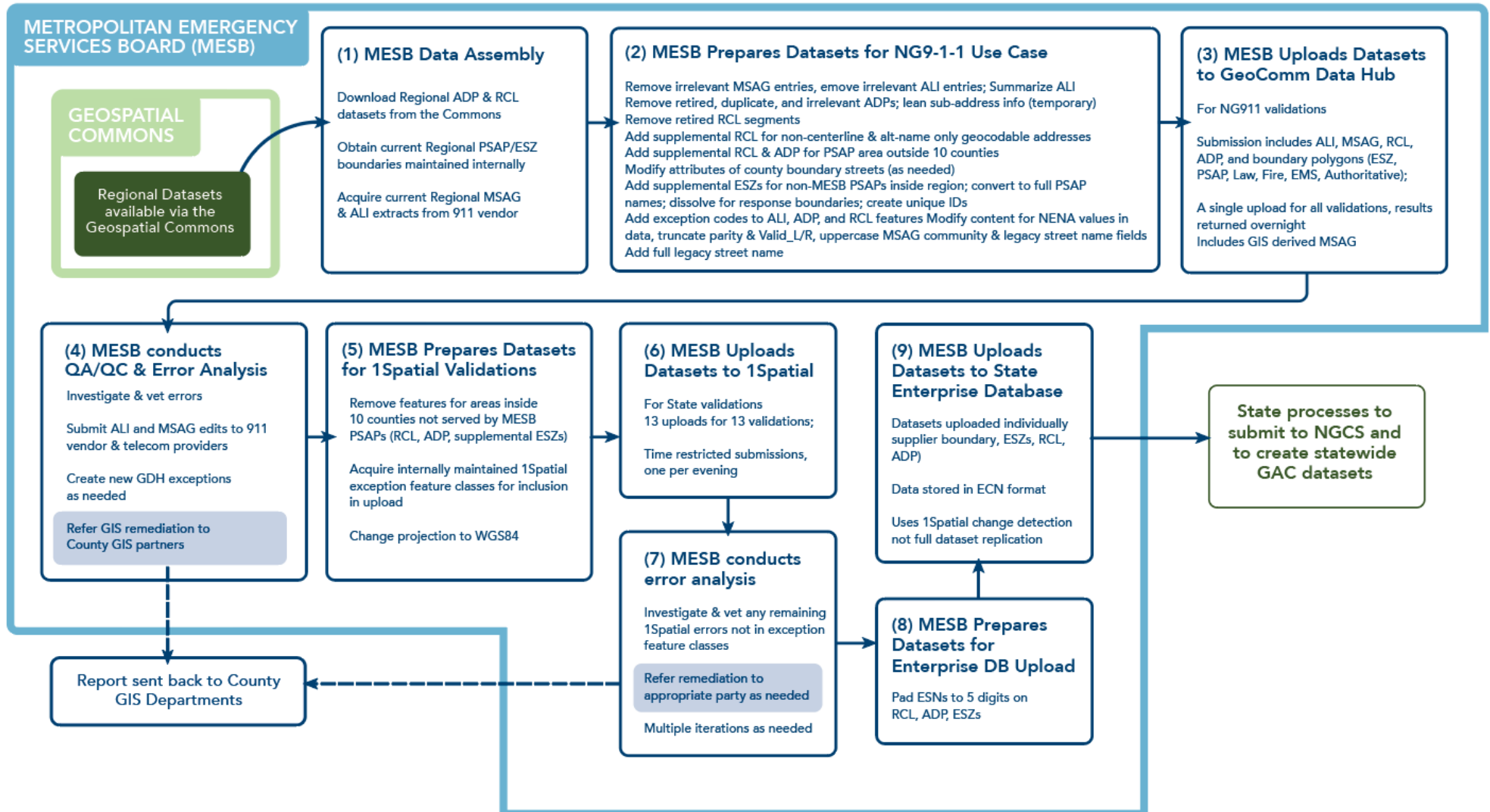




# Priority 3

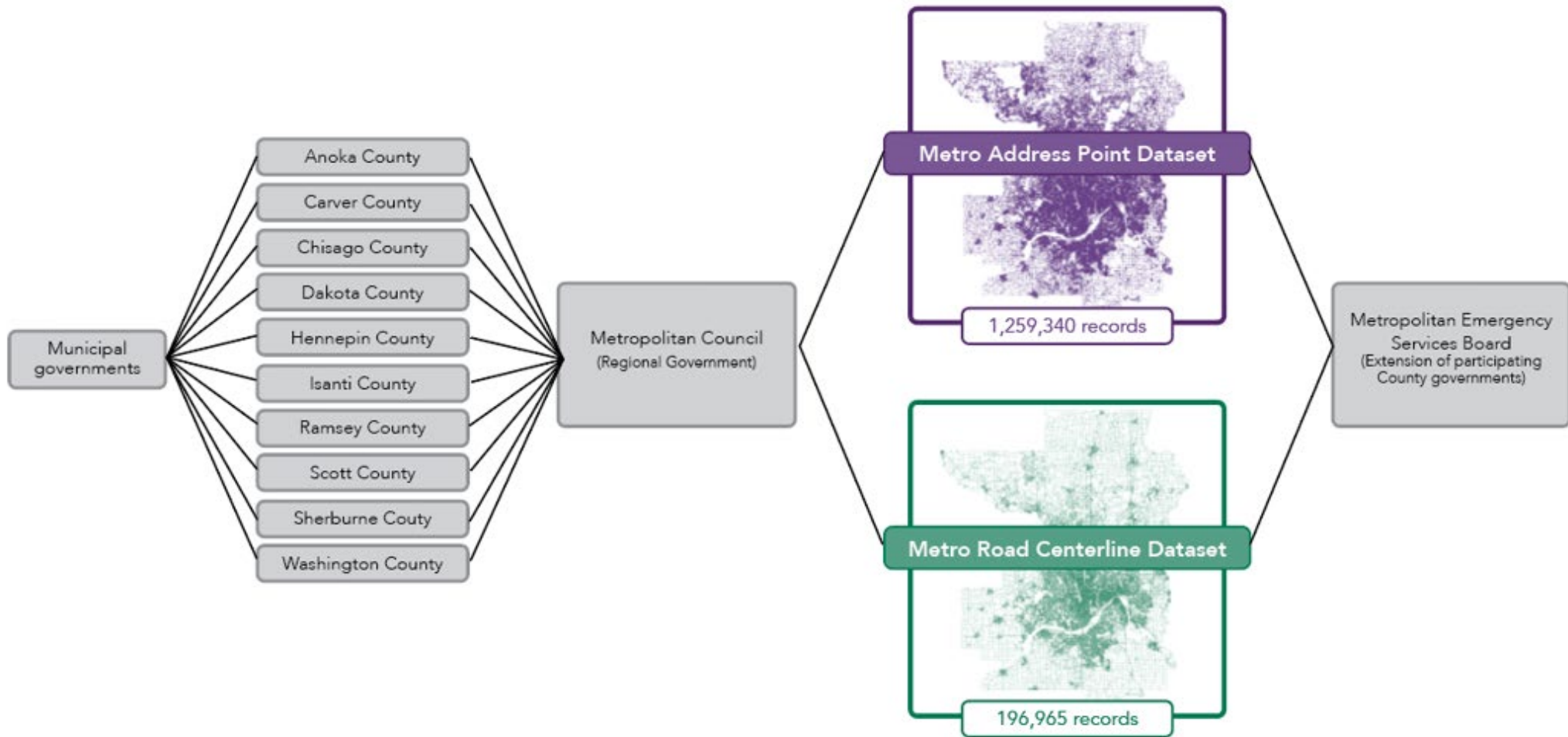
## Regional Workflows

## MESB Process



# Priority 3

## Regional Workflows





## Priority 4

### Identify roadblocks to sustaining the regional Road Centerline and Address Points datasets for the long term

- Review of inter-governmental agreement language
- Updating as needed
- Appropriate level of leadership to be knowledgeable and 'sign off' on them



# 7 ) Lightning Round







**8 ) Adjourn**

