MetroGIS Coordinating Committee Agenda Item 8:
Centerline and Address Point Schema Changes
Monday, January 11, 2021, 1:00 pm – 3:00 pm

Summary

There have been new fields added to the GAC standard for both address points and street centerlines. This proposal describes one option for incorporating the changes while minimally impacting the data producer's workflow. Before the proposal moves forward, the Met Council will need approval by each county.

Changes Described

New Fields: LST_PREDIR, LST_NAME, LST_TYPE, LST_POSDIR (Roads and Address Points)

Background:
The newly approved Road and Address Point schema changes include the addition of four legacy street name elements. These elements provide backward compatibility with legacy map displays and Computer Aided Dispatch (CAD) systems that currently receive 9-1-1 caller ALI addresses with street names in MSAG format (e.g. MSAG parsing, use of USPS directional and street type abbreviations). For the MESB region, the content of the legacy street name elements can be programmatically populated, using a set of business rules, based on the fully-parsed, fully-spelled out street name elements. Cartographic labeling using legacy street name is another use case for these fields.

Proposal:
Met Council will convert values from existing fields to the legacy street name fields on the counties' behalf.

1. Met Council validation workflows will ignore these fields so that counties can continue to access the latest geodatabase schema from MnGeo. Counties can choose to incorporate the new fields unpopulated into their workflow or leave them out when posting data.

New Field: CARTOCLASS (Roads Only)

Background:
To support the submission of the GAC centerlines to the ESRI Community Basemap, and the need to cartographically differentiate continuous segments of roads that have the same route system but change physical characteristics along the route, the CARTOCLASS field was added to the schema. MN 51/Snelling Avenue is one example of a road that changes along the route.

Proposal:
a. Met Council will maintain the classification
b. A webmap will be developed as a communication tool between the Met Council and the counties to ensure roads are classified as desired by the counties
c. Met Council validation workflows will ignore CARTOCLASS so that counties can continue to access the latest geodatabase schema from MnGeo. Counties can choose to incorporate the new fields into their workflow or leave them out when posting data.