

# Michigan Geographic Framework Version 13 Updates

(March 25, 2013)  
(MGF Version 13)

**Please Note:** If you have any questions about the framework data you have received, please contact Josh Ross at the Michigan Center for Shared Solutions. Phone: 517-373-7910, email: [rossj@michigan.gov](mailto:rossj@michigan.gov)

## Improvements since Version 12:

1. ACT51 2011 Certification used as a resource in updating the road network and the associated attribution.
  - a. Incorporated roads certified, decertified, or reclassified by cities, villages and counties occurring in 2012.
  - b. This process facilitated updates to the Legalsystem and road ownership fields
  - c. Incorporated city and village boundaries annexations.
  - d. If a current imagery source was unavailable, roads not formerly in the MGF may have been added based on the ACT51 maps. The road name on the ACT51 map may have been assigned to the fename field for these added roads.
  
2. The National Functional Class (NFC) and National Highway System (NHS) were reviewed and updated by MDOT staff.
  - a. Worked toward standardization of the NFC (and legalsystem and other) values of roadways associated with boulevards, such as directional turnarounds.
  - b. Changed the values of selected NHS routes to distinguish the different types of intermodal connectors from the “regular” NHS.
  - c. NHS incorporated changes from The Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP21) legislation that added all principal arterials not previously included in the NHS.
  
3. Addition of new road attribute “Facility Type” (FT). This attribute further describes what type the feature is and its purpose as provided by MDOT staff.
  
4. Removed attribute “OLD\_NFC”. This attribute was redundant because it can always be calculated by comparing NFC against the rural urban left and rural urban right (RU\_L and RU\_R). See table below of old and new NFC values and how to calculate the old values with the Rural/Urban distinction

NFC Code	Rural/Urban Code	Old NFC Code	Description
1	1	1	Rural Interstate
1	2, 3 or 4	11	Urban Interstate
2	1	5	Rural Other Freeway
2	2,3 or 4	12	Urban Other Freeway
3	1	2	Rural Other Principal Arterial
3	2, 3 or 4	14	Urban Other Principal Arterial
4	1	6	Rural Minor Arterial
4	2, 3 or 4	16	Urban Minor Arterial
5	1	7	Rural Major Collector
5	2,3 or 4	17	Urban Collector
6	1	8	Rural Minor Collector
7	1	9	Rural Local
7	2,3 or 4	19	Urban Local

5. Added new and reviewed current roundabout features to follow referencing standards created by MDOT Referencing Specialist.
6. Additional roads were added and name changes were done to the MGF using crash information received from MDOT and State Police.
7. The MGF for the following Counties were updated with information acquired through local data sharing partnerships and data sharing efforts between CGI and many County and Regional GIS departments as well as through the 911 Address Enhancement Project. The centerlines provided accurate geographic positioning, road names, and address information:
  - a. Presque Isle
  - b. Ogemaw
  - c. Arenac
  - d. Wayne
  - e. St. Clair
  - f. Oakland
  - g. Livingston
  - h. Hillsdale
  - i. Ingham
  - j. Eaton
  - k. Clinton
  - l. Shiawassee
  - m. Isabella
  - n. Kent
  - o. Emmet
  - p. Ionia
  - q. Allegan
8. Approved changes requested through the Asset Management Project were incorporated into the transportation network.
9. Framework Classification Codes (FCC) enhanced and reviewed in many areas.
10. Linear referencing system mile points recalculated (BMP, EMP)
11. State Trunkline updates: See MGF\_v13\_Trunkline\_Updates at [http://www.michigan.gov/cgi/0,1607,7-158-12759\\_14194---,00.html](http://www.michigan.gov/cgi/0,1607,7-158-12759_14194---,00.html) for a description of the updates.
12. Verification of the attribute values for the following GIS polygons:
  - a. 2000 US Congressional
  - b. 2000 State Senate
  - c. 2000 State House
  - d. 2010 US Congressional
  - e. 2010 State Senate
  - f. 2010 State House
  - g. 2000 Census Tracts
  - h. 2000 Census Block Groups

- i. 2010 Census Tracts
- j. 2010 Census Block Groups
- k. Adjusted Census Urban Areas
- l. School Districts
- m. ACT 425 Areas
- n. Place Boundaries (cities, villages and Census Designated Places)
- o. Townships

In addition, the internal features of each polygon were assigned with the corresponding value of the bounding polygon feature.

13. United States Bike Route #35 was added between New Buffalo and Sault Ste. Marie.