

Mansfield Fire Department GIS Analysis

4 Minute Engine Coverage - Current

This map depicts the actual road network segments that are covered within the 4 minute response polygon. The amount of road network coverage is the most accurate way to analyze compliance with NFPA 1710. This study indicates Mansfield's Fire Districts fall short of the standard under the current organization and deployment.

Network = 1,745,592 Feet


Covered by NFPA = 1,152,107 Feet


% of Network Covered = 66%


Legend


 Fire Stations


4 Minute Response Area

 Engine 1 - 4 Minute Coverage

 Engine 2 - 4 Minute Coverage

 Engine 3 - 4 Minute Coverage

 Engine 4 - 4 Minute Coverage


 Engine 6 - 4 Minute Coverage

Fire Districts

 Engine 1

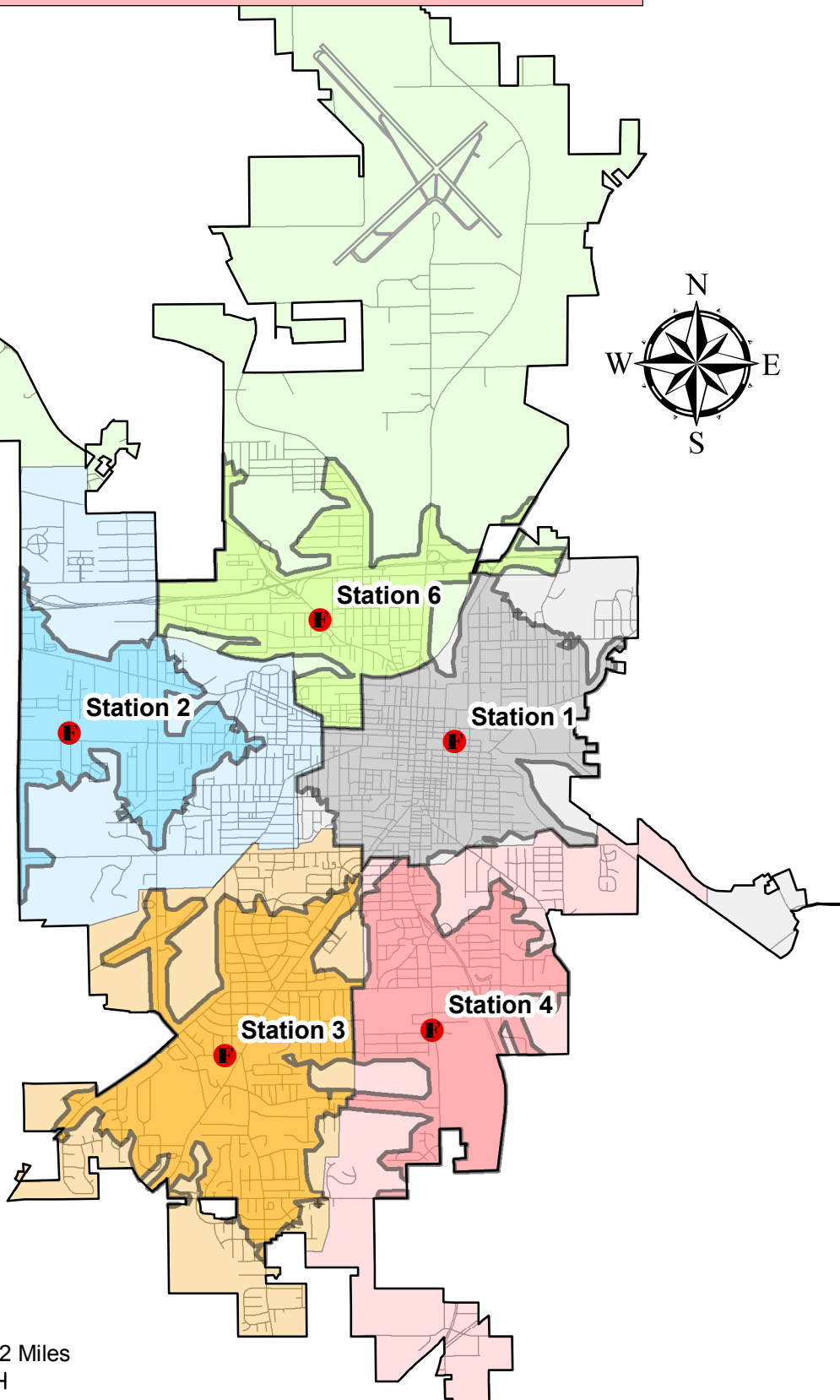
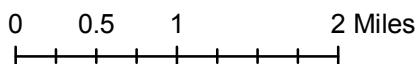
 Engine 2

 Engine 3

 Engine 4

 Engine 6

 Road Network



Projection = NAD_1983_StatePlane_Ohio_North_FIPS_3401_Feet
Boundary files obtained from the Richland County GIS Consortium.
Road Network files obtained from the U.S. Census Bureau.