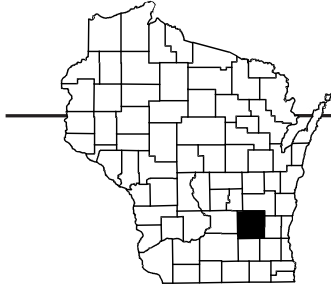


Dodge County

Wisconsin County Coordinate System



Projection: Transverse Mercator
Design Elevation: 274.321 meters (900 feet) [1200 high, 780 low]
Geoidal Separation: - 34.51 meters
Origin Longitude: 88° 46' 30"
Origin Latitude: 41° 28' 20"
False Easting: 263,347.7267 meters (864,000 feet)
False Northing: 0.00 meters (0.00 feet)
Scale Factor: 0.999997

Approximate Ground to Grid Ratios

Rural (worst).....1:83,000T13N, R16E, Sec 15, high point
Urban.....1:280,000Juneau
1:270,000.....Mayville
1:250,000.....Waupun
1:500,000.....Horicon, Beaver Dam, Watertown

Approximate western most coordinate (X) = 800,000 feet
Approximate southern most coordinate (Y) = 630,000 feet

Design Comments:

Dodge and Jefferson County have the same projection system. In Dodge County the urban areas are close to the Mercator north-south line. In Jefferson County the Rock River runs approximately north to south with most of the urban areas lying near the river. Dodge and Jefferson counties were combined because their separately developed transverse Mercator projections were within six miles of each other.

(Note: All feet units for the Wisconsin County Coordinate System are U.S. Survey Foot. Please see further discussion of this issue on page 6 of the Summary of Terms section of this handbook.)