



Monroe County

Wisconsin County Coordinate System

Projection: Lambert Conformal Conic
Design Elevation: 335.281 meters (1100 feet) [1440 high, 720 low]
Geoidal Separation: - 33.29 meters
Origin Longitude: 90° 38' 30"
Origin Latitude: 42° 54' 10"
False Easting: 204,521.2091 meters (671,000 feet)
False Northing: 0.00 meters (0.00 feet)
North Latitude: 44° 09' 40"
South Latitude: 43° 50' 20"

Approximate Ground to Grid Ratios

Rural (worst)1:50,000T18N, R2W, Sec 9, high point
Urban1:84,000Sparta
1:250,000.....Tomah

Approximate western most coordinate (X) = 584,000 feet
Approximate southern most coordinate (Y) = 300,000 feet

Design Comments:

The highest areas in Monroe County run north-south through the County and fall off to the east and west of the ridge line. The Lambert projection was selected and shifted to the north.

(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.)