



# Winnebago County

Wisconsin County Coordinate System

Projection: Transverse Mercator  
Design Elevation: 243.840 meters (800 feet) [980 high, 740 low]  
Geoidal Separation: - 35.75 meters  
Origin Longitude: 88° 30' 00"  
Origin Latitude: 42° 43' 10"  
False Easting: 244,754.8895 meters (803,000 feet)  
False Northing: 0.00 meters (0.00 feet)  
Scale Factor: 0.999996

## Approximate Ground to Grid Ratios

Rural (worst).....1:98,000 .....West boundary on shore of Poygan Lake  
Urban.....1:300,000 .....Oshkosh, Neenah, Menasha  
1:500,000.....Winneconne

Approximate western most coordinate (X) = 700,000 feet  
Approximate southern most coordinate (Y) = 427,000 feet

## Design Comments:

Winnebago, Calumet, Fond du Lac, and Outagamie counties have the same projection system. This was done because of the many urban areas on the county boundaries, the common boundaries with Lake Winnebago, and the advantages of a common projection over the moderate gains in the projections if each was done separately.

*(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.)*