



# Manitowoc County

Wisconsin County Coordinate System

Projection:	Transverse Mercator
Design Elevation:	182.880 meters (600 feet) [1040 high, 580 low]
Geoidal Separation:	- 34.02 meters
Origin Longitude:	87° 33' 00"
Origin Latitude:	43° 16' 00"
False Easting:	79,857.7600 meters (262,000 feet)
False Northing:	0.00 meters (0.00 feet)
Scale Factor:	1.0000000

## Approximate Ground to Grid Ratios

Rural (worst).....	1:98,000	.....	T18N, R22E, Sec 29, high point
Urban.....	1:500,000	.....	Manitowoc, Two Rivers
	1:270,000	.....	Kiel

Approximate western most coordinate (X) = 132,000 feet  
Approximate southern most coordinate (Y) = 228,000 feet

## Design Comments:

Manitowoc, Kewaunee, and Sheboygan counties have the same projection system. The Sheboygan County projection was completed in December 1992 and was designed to fit the lake shore area and the general rise in elevation from east to west within Sheboygan County. This trend is true for Kewaunee and Manitowoc counties as well.

*(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.)*