



Grant County

Wisconsin County Coordinate System

Projection:	Transverse Mercator
Design Elevation:	274.321 meters (900 feet) [1260 high, 600 low]
Geoidal Separation:	- 32.44 meters
Origin Longitude:	90° 48' 00"
Origin Latitude:	41° 24' 40"
False Easting:	242,316.4847 meters (795,000 feet)
False Northing:	0.00 meters (0.00 feet)
Scale Factor:	0.999997

Approximate Ground to Grid Ratios

Rural (worst).....	1:46,000	.....	low points on far western boundary
Urban.....	1:74,000	.....	Lancaster, Blue River, Cassville
	1:51,000	.....	Fennimore, Muscoda
	1:142,000	.....	Platteville, Montfort
	1:300,000	.....	Cuba City, Bloomington
	1:103,000	.....	Boscobel

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

Approximate southern most coordinate (Y) = 400,000 feet

Design Comments:

The high land in Grant County runs along Military Ridge, falling off in elevation to the Wisconsin and Mississippi Rivers. Fennimore and Muscoda are communities at the near extreme elevations of the county.

(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.)