



Walworth County

Wisconsin County Coordinate System

Projection:	Lambert Conformal Conic
Design Elevation:	274.321 meters (900 feet) [1140 high, 780 low]
Geoidal Separation:	- 33.91 meters
Origin Longitude:	88° 32' 30"
Origin Latitude:	41° 40' 10"
False Easting:	232,562.8651 meters (763,000 feet)
False Northing:	0.00 meters (0.00 feet)
North Latitude:	42° 45' 00"
South Latitude:	42° 35' 20"

Approximate Ground to Grid Ratios

Rural (worst).....	1:87,000	.....	T2N, R17E, Sec 19, high point
Urban.....	1:140,000	.....	Elkhorn
	1:260,000.....	.....	Pell Lake
	1:500,000.....	.....	Lake Geneva, Delavan
	1:120,000.....	.....	Whitewater

Approximate western most coordinate (X) = 700,000 feet
Approximate southern most coordinate (Y) = 300,000 feet

Design Comments:

The lowest point in Walworth County is near the center of the east boundary. The highest elevations extend from the center of the county southward. The Lambert minimizes these extremes. A transverse Mercator exaggerated these same extremes.

(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.)