



# Columbia County

Wisconsin County Coordinate System

Projection: Lambert Conformal Conic  
Design Elevation: 274.321 meters (900 feet) [1480 high, 770 low]  
Geoidal Separation: - 34.99 meters  
Origin Longitude: 89° 23' 40"  
Origin Latitude: 42° 27' 30"  
False Easting: 169,164.3383 meters (555,000 feet)  
False Northing: 0.00 meters (0.00 feet)  
North Latitude: 43° 35' 30"  
South Latitude: 43° 20' 00"

## Approximate Ground to Grid Ratios

Rural (worst) .....	1:33,000.....	T11N, R8E, Sec 6, high point
Urban .....	1:250,000 .....	Portage
	1:500,000 .....	Poynette, Cambria
	1:158,000 .....	Wisconsin Dells, Lodi
	1:350,000 .....	Columbus, Pardeeville
	1:210,000 .....	Randolf

Approximate western most coordinate (X) = 451,000 feet

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

## Design Comments:

The high and low elevations of the county are within 4 miles of each other. Except for these extreme elevations the county has relatively modest changes in elevations. Lambert parameters were selected to optimize urban areas.

*(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.)*