



# Lafayette County

Wisconsin County Coordinate System

Projection: Lambert Conformal Conic  
 Design Elevation: 304.801 meters (1000 feet) [1400 high, 680 low]  
 Geoidal Separation: - 33.32 meters  
 Origin Longitude: 89° 50' 20"  
 Origin Latitude: 42° 13' 30"  
 False Easting: 170,078.7402 meters (558,000 feet)  
 False Northing: 0.00 meters (0.00 feet)  
 North Latitude: 42° 47' 20"  
 South Latitude: 42° 29' 10"

## Approximate Ground to Grid Ratios

Rural (worst) .....1:43,000 .....Platteville Mounds  
 Urban .....1:147,000 .....Darlington, South Wayne  
                                   1:300,000.....Shullsburg  
                                   1:166,000.....Belmont  
                                   1:123,000.....Gratiot, Argyle  
                                   1:89,000.....Blanchardville

Approximate western most coordinate (X) = 400,000 feet

Approximate southern most coordinate (Y) = 100,000 feet

## Design Comments:

Lafayette and Green County have the same projection system. Both the Lambert and the transverse Mercator balanced the elevation differences in the counties well, but a Lambert provided a better fit to the 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.)*