



Richland County

Wisconsin County Coordinate System

| | |
|---------------------|---|
| Projection: | Lambert Conformal Conic |
| Design Elevation: | 304.801 meters (1000 feet) [1300 high, 660 low] |
| Geoidal Separation: | - 33.71 meters |
| Origin Longitude: | 90° 25' 50" |
| Origin Latitude: | 42° 06' 50" |
| False Easting: | 202,387.6048 meters (664,000 feet) |
| False Northing: | 0.00 meters (0.00 feet) |
| North Latitude: | 43° 30' 10" |
| South Latitude: | 43° 08' 30" |

Approximate Ground to Grid Ratios

| | | | |
|--------------------|-----------|-------|---------------------------|
| Rural (worst)..... | 1:67,000 | | Southwest Corner on River |
| Urban..... | 1:178,000 | | Richland Center |
| | 1:84,000 | | Lone Rock |
| | 1:100,000 | | Viola |

Approximate western most coordinate (X) = 600,000 feet

Approximate southern most coordinate (Y) = 383,000 feet

Design Comments:

The general rise in elevation from the Wisconsin River northward overcomes the slight elongation in the north-south direction. The Lambert projection shifted slightly south was selected to match the elevation rise. The major urban area, Richland Center, falls very close to the center of the projection.

(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.)