



# LaCrosse County

Wisconsin County Coordinate System

Projection: Transverse Mercator  
Design Elevation: 274.321 meters (900 feet) [1360 high, 640 low]  
Geoidal Separation: - 32.02 meters  
Origin Longitude: 91° 19' 00"  
Origin Latitude: 43° 27' 04"  
False Easting: 130,454.6609 meters (428,000 feet)  
False Northing: 0.00 meters (0.00 feet)  
Scale Factor: 0.999994

## Approximate Ground to Grid Ratios

Rural (worst).....1:41,000 .....T18N, R8W, Sec 25, high point  
Urban.....1:150,000.....LaCrosse, Onalaska  
1:175,000.....French Island, West Salem  
1:108,000.....Bangor  
1:340,000.....Holmen

Approximate western most coordinate (X) = 400,000 feet  
Approximate southern most coordinate (Y) = 100,000 feet

## Design Comments:

There is a general rise in the County from the Mississippi River eastward. The Mercator parameters were selected to optimize the city of LaCrosse and lower elevation 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.)*