



Rock County

Wisconsin County Coordinate System

Projection: Transverse Mercator
Design Elevation: 274.321 meters (900 feet) [1080 high, 740 low]
Geoidal Separation: - 33.65 meters
Origin Longitude: 89° 04' 20"
Origin Latitude: 41° 56' 40"
False Easting: 146,304.2926 meters (480,000 feet)
False Northing: 0.00 meters (0.00 feet)
Scale Factor: 0.999996

Approximate Ground to Grid Ratios

Rural (worst)1:100,000.....T3N, R12E, Sec 22, high point
Urban1:188,000.....Janesville
1:320,000.....Beloit
1:300,000.....Evansville
1:300,000.....Edgerton

Approximate western most coordinate (X) = 400,000 feet
Approximate southern most coordinate (Y) = 200,000 feet

Design Comments:

The Rock River runs approximately north to south with most of the urban areas on the river. The Sugar River in the southwest creates another low area.

(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.)