



Iowa County

Wisconsin County Coordinate System

Projection: Transverse Mercator
Design Elevation: 304.801 meters (1000 feet) [1680 high, 640 low]
Geoidal Separation: - 33.76 meters
Origin Longitude: 90° 09' 40"
Origin Latitude: 42° 32' 20"
False Easting: 113,081.0262 meters (371,000 feet)
False Northing: 0.00 meters (0.00 feet)
Scale Factor: 0.999997

Approximate Ground to Grid Ratios

Rural (worst)1:34,000Blue Mound
Urban1:58,000Dodgeville, Arena
1:156,000.....Mineral Point
1:114,000.....Cobb
1:138,000.....Barneveld
1:64,000.....Avoca

Approximate western most coordinate (X) = 300,000 feet
Approximate southern most coordinate (Y) = 100,000 feet

Design Comments:

The highest elevations in Iowa County run generally on an east west line through the county. The lowest point is on the northern boundary along the Wisconsin River. A Lambert conformal conic projection would exaggerate these extremes.

(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.)