



Crawford County

Wisconsin County Coordinate System

Projection: Lambert Conformal Conic
Design Elevation: 274.321 meters (900 feet) [1300 high, 610 low]
Geoidal Separation: - 32.29 meters
Origin Longitude: 90° 56' 20"
Origin Latitude: 42° 43' 00"
False Easting: 113,690.6274 meters (373,000 feet)
False Northing: 0.00 meters (0.00 feet)
North Latitude: 43° 20' 30"
South Latitude: 43° 03' 30"

Approximate Ground to Grid Ratios

Rural (worst).....1:52,000.....Mt. Sterling
Urban.....1:70,000.....Prairie du Chien
 1:80,000Wauzeka, Soldiers Grove
 1:105,000Gays Mills
 1:55,000De Soto

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

Design Comments:

The Lambert projection reduces high and low elevation distortions slightly better than a transverse Mercator in Crawford County. It also fits the major urban area of Prairie du Chien with less distortion than the Mercator.

(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.)