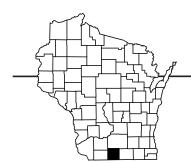
## **Green County**





Projection: Lambert Conformal Conic

Design Elevation: 304.801 meters (1000 feet) [1160 high, 760 low]

Geoidal Separation: - 33.32 meters

Origin Longitude: 89° 50' 20" Origin Latitude: 42° 13' 30"

False Easting: 170,078.7402 meters (558,000 feet)

False Northing: 0.00 meters (0.00 feet)

North Latitude: 42° 47' 20" South Latitude: 42° 29' 10"

## Appproximate Ground to Grid Ratios

Rural (worst)	1:94,000	low point on Sugar River
Urban	1:106,000	Monroe
	1:166,000	New Glarus
	1:260,000	Brooklyn
	1:130,000	Brodhead

Approximate western most coordinate (X) = 558,000 feet Approximate southern most coordinate (Y) = 100,000 feet

## **Design Comments:**

Green and Lafayette County have the same projection system. Both the Lambert and transverse Mercator projections balanced the elevation differences in the counties well. The Lambert provided a better fit for the urban areas. The low points in Green County are in the southeastern and southwestern corners.

(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.)