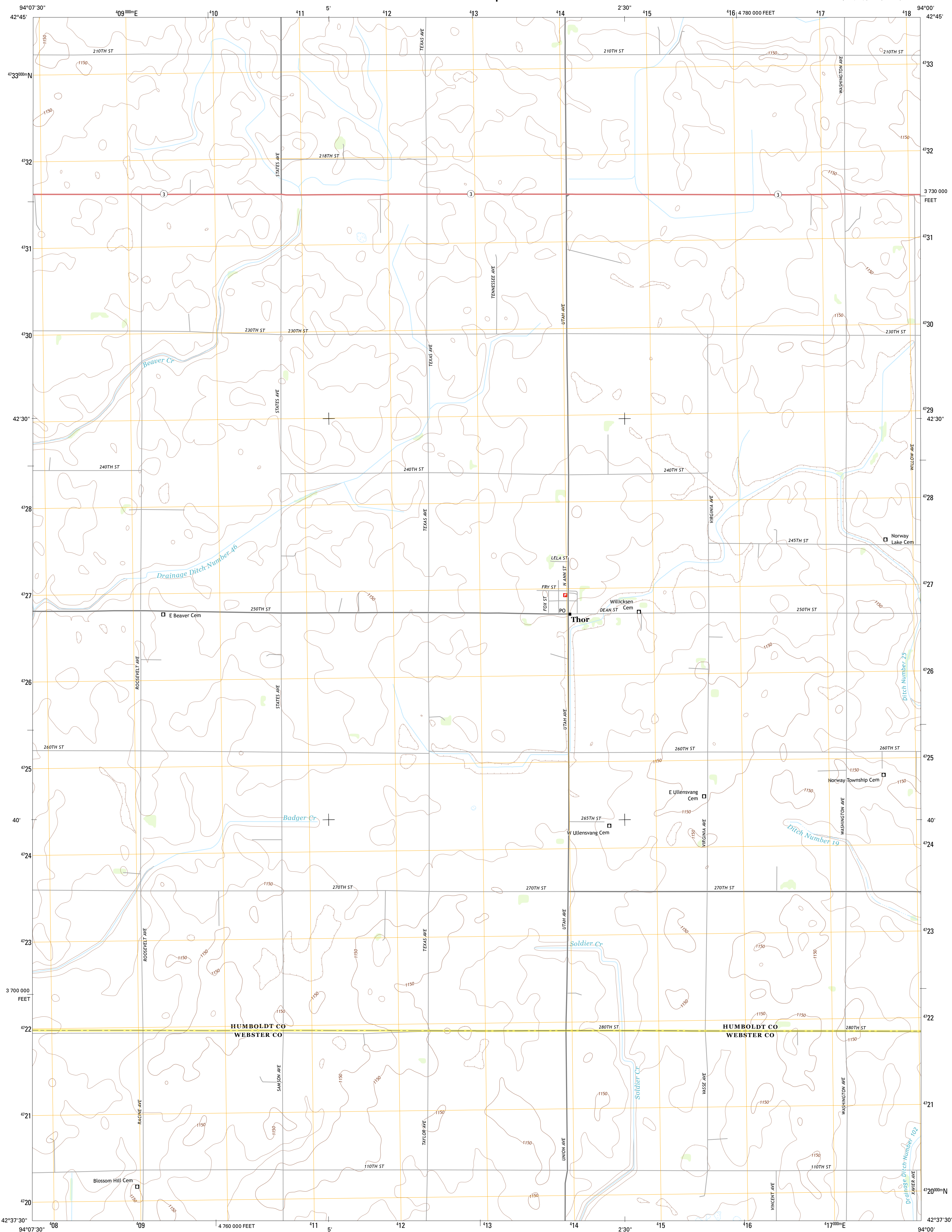




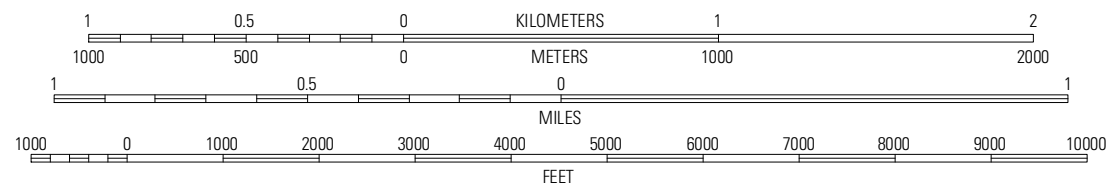
**Produced by the United States Geological Survey**  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1 000-meter grid: Universal Transverse Mercator, Zone 15T  
10 000-foot ticks: Iowa Coordinate System of 1983 (north zone)

|                  |                                      |
|------------------|--------------------------------------|
| Imagery.....     | NAIP, July 2011                      |
| Roads.....       | ©2006-2012 TomTom                    |
| Names.....       | GNIS, 2012                           |
| Hydrography..... | National Hydrography Dataset, 2011   |
| Contours.....    | National Elevation Dataset, 2006     |
| Boundaries.....  | Census, IBWC, IBC, USGS, 1972 - 2012 |

UTM GRID AND 2013 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

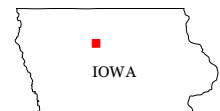
|                       |
|-----------------------|
| U.S. National Grid    |
| 100,000-m Square ID   |
| VH                    |
| Grid Zone Designation |
| 15T                   |

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the  
National Geospatial Program US Topo Product Standard, 2011.  
A metadata file associated with this product is draft version 0.6.11



QUADRANGLE LOCATION

|                        |         |                   |
|------------------------|---------|-------------------|
| Livermore              | Hardy   | Renwick           |
| Humboldt               | Thor    | Eagle<br>Grove    |
| Fort<br>Dodge<br>North | Vincent | Eagle<br>Grove SW |

ADJOINING 7.5' QUADRANGLE:

ROAD CLASSIFICATION



**THOR, IA**  
**2013**