

1 AN ACT in relation to the Illinois Coordinate System.

2 Be it enacted by the People of the State of Illinois,
3 represented in the General Assembly:

4 Section 5. The Illinois Coordinate System Act is amended
5 by changing Sections 2, 5, and 7 as follows:

6 (765 ILCS 225/2) (from Ch. 133, par. 102)

7 Sec. 2. The system of plane coordinates which has been
8 established by the United States Department of Commerce,
9 National Oceanic and Atmospheric Administration, National
10 Ocean Service, National Geodetic Survey for defining and
11 stating the positions or locations of points on the surface
12 of the earth within the State of Illinois is hereinafter to
13 be known and designated as the "Illinois Coordinate System".
14 (Source: P.A. 83-742.)

15 (765 ILCS 225/5) (from Ch. 133, par. 105)

16 Sec. 5. The plane coordinates of a point on the earth's
17 surface, used in expressing the position or location of that
18 point in the appropriate zone of this system, consists of 2
19 distances, expressed in units of U.S. survey feet and
20 decimals of a foot. One of these distances, known as the
21 "x-coordinate", gives the position in an east-and-west
22 direction; the other, known as the "y-coordinate", gives the
23 position in a north-and-south direction. These coordinates
24 depend upon and conform to the coordinates, on the Illinois
25 Coordinate System, of the monumented survey triangulation-and
26 ~~traverse~~ stations of the United States National Geodetic
27 ~~Ocean~~ Survey within the State of Illinois, as those
28 coordinates have been determined by that survey.
29 (Source: P.A. 83-742.)

1 (765 ILCS 225/7) (from Ch. 133, par. 107)

2 Sec. 7. For purposes of more precisely defining the
3 Illinois Coordinate System the following definitions
4 definition by the United States National Geodetic Ocean
5 Survey are is adopted:

6 The Illinois Coordinate System, East Zone, is based on
7 the transverse Mercator projection of the North American
8 Datum of 1983 (NAD 83) or the Clarke spheroid of 1866 (North
9 American Datum of 1927) (NAD 27), having a central meridian
10 of eighty-eight degrees and twenty minutes West ($88^{\circ} -20'W.$)
11 of Greenwich on which meridian the scale is set at one part
12 in 40,000 too small. The origin of coordinates is at the
13 intersection of the meridian eighty-eight degrees and twenty
14 minutes West ($88^{\circ} -20'W.$) of Greenwich and thirty-six
15 degrees and forty minutes North ($36^{\circ} -40'N.$) latitude. The
16 origin is given the coordinates x = 300,000 meters
17 (984,250.000 feet) and y = 0 meters for NAD 83 and x =
18 500,000 feet and y = 0 feet for the NAD 27.

19 The Illinois Coordinate System, West Zone, is based on
20 the transverse Mercator projection of the North American
21 Datum of 1983 (NAD 83) or the Clarke spheroid of 1866 North
22 American Datum of 1927 (NAD 27), having a central meridian of
23 ninety degrees and ten minutes West ($90^{\circ} -10'W.$) of
24 Greenwich, on which meridian the scale is set at one part in
25 17,000 too small. The origin of coordinates is at the
26 intersection of the meridian ninety degrees and ten minutes
27 West ($90^{\circ} -10'W.$) of Greenwich and thirty-six degrees and
28 forty minutes North ($36^{\circ} -40'N.$) latitude. The origin is
29 given the coordinates x = 700,000 meters (2,296,583.333 feet)
30 and y = 0 meters for NAD 83 and x = 500,000 feet and y = 0
31 feet for the NAD 27.

32 The position of the Illinois Coordinate System is as
33 marked on the ground by monumented survey triangulation--or
34 traverse-- stations established in conformity with standards

1 adopted by the United States National Geodetic Ocean Survey
2 for second and higher order ~~first-order-and-second-order~~
3 work, whose geodetic positions have been rigidly adjusted on
4 the North American Datum (NAD 1927 or NAD 1983, or both), and
5 whose coordinates have been computed on the system herein
6 defined. Any such stations may be used for establishing a
7 survey connection with the Illinois Coordinate System.
8 (Source: P.A. 83-742.)

9 Section 99. Effective date. This Act takes effect upon
10 becoming law.