

By Mr. Natsios of Holliston, petition of the Massachusetts Association of Land Surveyors and Civil Engineers and Andrew S. Natsios relative to making changes in the law establishing the Massachusetts coordinate system. Commerce and Labor.

The Commonwealth of Massachusetts

In the Year One Thousand Nine Hundred and Eighty-Two.

AN ACT MAKING CORRECTIVE CHANGES TO THE LAW ESTABLISHING THE MASSACHUSETTS COORDINATE SYSTEM.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

1 Chapter 97 of the General Laws of the Commonwealth of
2 Massachusetts is hereby amended, in the first sentence of section
3 eight, by striking out the words: "United States Coast and Geodetic
4 Survey" and inserting in place thereof the following: — National
5 Oceanic and Atmospheric Administration.

6 Said chapter is hereby further amended, in section ten, by strik-
7 ing out the first sentence and inserting in place thereof the follow-
8 ing: — The plane rectangular co-ordinates to a point on the earth's
9 surface, when reduced to the plane of projection, shall be used in
10 expressing the position or location of such point in the appropriate
11 zone of said system, and shall consist of two distances, expressed in
12 meters and decimals of a meter.

13 Said section of said chapter is hereby further amended, in the
14 third sentence, by striking out the words: "triangulation and tra-
15 verse stations of the United States Coast and Geodetic Survey" and
16 inserting in place thereof the following: — horizontal control sta-
17 tions of the National Oceanic and Atmospheric Administration or
18 its successor agency; and by striking out the word: "survey" and
19 inserting in place thereof: — administration.

20 Section eleven of said chapter is hereby amended, in the first
21 paragraph, by striking out the words: "United States Coast and

22 Geodetic Survey” and inserting in place thereof the following: —
23 National Oceanic and Atmospheric Administration or its succes-
24 sor agency.

25 Said section of said chapter is hereby further amended, in the
26 second paragraph, by striking out the words: “Clarke spheroid of
27 eighteen hundred and sixty-six” and inserting in place thereof the
28 following: — North American Datum of nineteen hundred and
29 eighty-three; and by striking out the words: “ $x = 600,000$ feet; $y = 0$
30 feet” and inserting in place thereof the following: — $x = 200$ kilome-
31 ters; $y = 750$ kilometers.

32 Said section of said chapter is hereby further amended, in the
33 third paragraph, by striking out the words: “Clarke spheroid of
34 eighteen hundred and sixty-six” and inserting in place thereof the
35 following: — North American Datum of nineteen hundred and
36 eighty-three; and by striking out the words: “ $x = 200,000$ feet; $y = 0$
37 feet” and inserting in place thereof the following: — $x = 500$ kilome-
38 ters; $y = 0$ kilometers.

39 Said section of said chapter is hereby further amended by strik-
40 ing out the fourth paragraph and inserting in place thereof the
41 following: — The position of said system shall be as marked on the
42 ground by horizontal control stations established in conformity
43 with the standards adopted by the Federal Geodetic Control Com-
44 mittee or its successor agency at the time the surveys are executed.

45 Said chapter is hereby further amended by adding the following
46 section: —

47 *Section 14.* The Massachusetts co-ordinate system, as defined
48 in sections eight through thirteen of this chapter in connection with
49 the North American Datum of nineteen hundred and twenty-
50 seven, may be used in connection with the North American Datum of
51 nineteen hundred and eighty-three until January first, nineteen
52 hundred and ninety. The North American Datum of nineteen
53 hundred and twenty-seven shall not be used to define the Massa-
54 chusetts co-ordinate system after December thirty-first, nineteen
55 hundred and eighty-nine.