



93RD GENERAL ASSEMBLY
State of Illinois
2003 and 2004
HB4457

Introduced 02/03/04, by John J. Millner

SYNOPSIS AS INTRODUCED:

625 ILCS 5/15-111

from Ch. 95 1/2, par. 15-111

Amends the Illinois Vehicle Code. Provides that specified vehicles used exclusively for the transportation and mixing of concrete, manufactured before or in the 2004 model year and first registered in Illinois before January 1, 2005, are allowed specified weights on specified numbers and configurations of axles.

LRB093 19159 DRH 44894 b

FISCAL NOTE ACT
MAY APPLY

A BILL FOR

1 AN ACT concerning vehicles.

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

4 Section 5. The Illinois Vehicle Code is amended by changing
5 Section 15-111 as follows:

6 (625 ILCS 5/15-111) (from Ch. 95 1/2, par. 15-111)

7 Sec. 15-111. Wheel and axle loads and gross weights.

8 (a) On non-designated highways, no vehicle or combination
9 of vehicles equipped with pneumatic tires may be operated,
10 unladen or with load, when the total weight transmitted to the
11 road surface exceeds 18,000 pounds on a single axle or 32,000
12 pounds on a tandem axle with no axle within the tandem
13 exceeding 18,000 pounds except:

14 (1) when a different limit is established and posted in
15 accordance with Section 15-316 of this Code;

16 (2) vehicles for which the Department of
17 Transportation and local authorities issue overweight
18 permits under authority of Section 15-301 of this Code;

19 (3) tow trucks subject to the conditions provided in
20 subsection (d) may not exceed 24,000 pounds on a single
21 rear axle or 44,000 pounds on a tandem rear axle;

22 (4) any single axle of a 2-axle truck weighing 36,000
23 pounds or less and not a part of a combination of vehicles,
24 shall not exceed 20,000 pounds;

25 (5) any single axle of a 2-axle truck equipped with a
26 personnel lift or digger derrick, weighing 36,000 pounds or
27 less, owned and operated by a public utility, shall not
28 exceed 20,000 pounds;

29 (6) any single axle of a 2-axle truck specially
30 equipped with a front loading compactor used exclusively
31 for garbage, refuse, or recycling may not exceed 20,000
32 pounds per axle, provided that the gross weight of the

1 vehicle does not exceed 40,000 pounds;

2 (7) a truck, not in combination and specially equipped
3 with a selfcompactor or an industrial roll-off hoist and
4 roll-off container, used exclusively for garbage or refuse
5 operations may, when laden, transmit upon the road surface
6 the following maximum weights: 22,000 pounds on a single
7 axle; 40,000 pounds on a tandem axle;

8 (8) a truck, not in combination and used exclusively
9 for the collection of rendering materials, may, when laden,
10 transmit upon the road surface the following maximum
11 weights: 22,000 pounds on a single axle; 40,000 pounds on a
12 tandem axle;

13 (9) tandem axles on a 3-axle truck registered as a
14 Special Hauling Vehicle, manufactured prior to or in the
15 model year of 2014 and first registered in Illinois prior
16 to January 1, 2015, with a distance greater than 72 inches
17 but not more than 96 inches between any series of 2 axles,
18 is allowed a combined weight on the series not to exceed
19 36,000 pounds and neither axle of the series may exceed
20 18,000 pounds. Any vehicle of this type manufactured after
21 the model year of 2014 or first registered in Illinois
22 after December 31, 2014 may not exceed a combined weight of
23 32,000 pounds through the series of 2 axles and neither
24 axle of the series may exceed 18,000 pounds;

25 (10) ~~tandem axles on~~ a 4-axle truck mixer, whose fourth
26 axle is a road surface engaging ~~mixer~~ trailing axle,
27 registered as a Special Hauling Vehicle, used exclusively
28 for the mixing and transportation of concrete and
29 manufactured prior to or in the model year of 2014 and
30 first registered in Illinois prior to January 1, 2015, with
31 a distance greater than 72 inches but not more than 96
32 inches between any series of 2 axles, is allowed the
33 following weights: 20,000 pounds on any single axle; 36,000
34 pounds on any series of 2 axles greater than 72 inches but
35 not more than 96 inches ~~a combined weight on the series not~~
36 ~~to exceed 36,000 pounds and neither axle of the series may~~

1 ~~exceed 18,000 pounds. Any vehicle of this type manufactured~~
 2 ~~after the model year of 2014 or first registered in~~
 3 ~~Illinois after December 31, 2014 may not exceed a combined~~
 4 ~~weight of 32,000 pounds through the series of 2 axles and~~
 5 ~~neither axle of the series may exceed 18,000 pounds;~~

6 (11) 4-axle vehicles or a 5 or more axle combination of
 7 vehicles: The weight transmitted upon the road surface
 8 through any series of 3 axles whose centers are more than
 9 96 inches apart, measured between extreme axles in the
 10 series, may not exceed those allowed in the table contained
 11 in subsection (f) of this Section. No axle or tandem axle
 12 of the series may exceed the maximum weight permitted under
 13 this Section for a single or tandem axle.

14 No vehicle or combination of vehicles equipped with other
 15 than pneumatic tires may be operated, unladen or with load,
 16 upon the highways of this State when the gross weight on the
 17 road surface through any wheel exceeds 800 pounds per inch
 18 width of tire tread or when the gross weight on the road
 19 surface through any axle exceeds 16,000 pounds.

20 (b) On non-designated highways, the gross weight of
 21 vehicles and combination of vehicles including the weight of
 22 the vehicle or combination and its maximum load shall be
 23 subject to the foregoing limitations and further shall not
 24 exceed the following gross weights dependent upon the number of
 25 axles and distance between extreme axles of the vehicle or
 26 combination measured longitudinally to the nearest foot.

27 VEHICLES HAVING 2 AXLES 36,000 pounds

28	VEHICLES OR COMBINATIONS			
29	HAVING 3 AXLES			
30	With Tandem		With or	
31	Axles		Without	
32			Tandem Axles	
33	Minimum		Minimum	
34	distance to	Maximum	distance to	Maximum

1	nearest foot	Gross	nearest foot	Gross
2	between	Weight	between	Weight
3	extreme axles	(pounds)	extreme axles	(pounds)
4	10 feet	41,000	16 feet	46,000
5	11	42,000	17	47,000
6	12	43,000	18	47,500
7	13	44,000	19	48,000
8	14	44,500	20	49,000
9	15	45,000	21 feet or more	50,000

10

11 VEHICLES OR COMBINATIONS HAVING 4 AXLES

12	Minimum		Minimum	
13	distance to	Maximum	distance to	Maximum
14	nearest foot	Gross	nearest foot	Gross
15	between	Weight	between	Weight
16	extreme axles	(pounds)	extreme axles	(pounds)
17	15 feet	50,000	26 feet	57,500
18	16	50,500	27	58,000
19	17	51,500	28	58,500
20	18	52,000	29	59,500
21	19	52,500	30	60,000
22	20	53,500	31	60,500
23	21	54,000	32	61,500
24	22	54,500	33	62,000
25	23	55,500	34	62,500
26	24	56,000	35	63,500
27	25	56,500	36 feet or more	64,000

28 A vehicle not in a combination having more than 4 axles may
 29 not exceed the weight in the table in this subsection (b) for 4
 30 axles measured between the extreme axles of the vehicle.

31

32 COMBINATIONS HAVING 5 OR MORE AXLES

33	Minimum distance to	Maximum
34	nearest foot between	Gross Weight
35	extreme axles	(pounds)
36	42 feet or less	72,000

1	43	73,000
2	44 feet or more	73,280

3 VEHICLES OPERATING ON CRAWLER TYPE TRACKS 40,000 pounds

4 TRUCKS EQUIPPED WITH SELFCOMPACTORS
5 OR ROLL-OFF HOISTS AND ROLL-OFF CONTAINERS FOR GARBAGE
6 OR REFUSE HAULS ONLY AND TRUCKS USED FOR
7 THE COLLECTION OF RENDERING MATERIALS
8 On Highway Not Part of National System
9 of Interstate and Defense Highways

10	with 2 axles	36,000 pounds
11	with 3 axles	54,000 pounds

12 TWO AXLE TRUCKS EQUIPPED WITH
13 A FRONT LOADING COMPACTOR USED EXCLUSIVELY
14 FOR THE COLLECTION OF GARBAGE, REFUSE, OR RECYCLING
15 with 2 axles 40,000 pounds

16 A 4-axle truck mixer, whose fourth axle is a road surface
17 engaging trailing axle, registered as a Special Hauling
18 Vehicle, used exclusively for mixing and transportation of
19 concrete, and manufactured before or in the model year of 2004
20 and first registered in Illinois before January 1, 2005, is
21 allowed a maximum gross weight listed in the table of
22 subsection (f) of this Section for 4 axles. This vehicle is not
23 subject to the series of 3 axles requirements provided for in
24 subdivision (a) (11) of this Section.

25 (c) Cities having a population of more than 50,000 may
26 permit by ordinance axle loads on 2 axle motor vehicles 33 1/2%
27 above those provided for herein, but the increase shall not
28 become effective until the city has officially notified the
29 Department of the passage of the ordinance and shall not apply
30 to those vehicles when outside of the limits of the city, nor
31 shall the gross weight of any 2 axle motor vehicle operating
32 over any street of the city exceed 40,000 pounds.

1 (d) Weight limitations shall not apply to vehicles
2 (including loads) operated by a public utility when
3 transporting equipment required for emergency repair of public
4 utility facilities or properties or water wells.

5 A combination of vehicles, including a tow truck and a
6 disabled vehicle or disabled combination of vehicles, that
7 exceeds the weight restriction imposed by this Code, may be
8 operated on a public highway in this State provided that
9 neither the disabled vehicle nor any vehicle being towed nor
10 the tow truck itself shall exceed the weight limitations
11 permitted under this Chapter. During the towing operation,
12 neither the tow truck nor the vehicle combination shall exceed
13 24,000 pounds on a single rear axle and 44,000 pounds on a
14 tandem rear axle, provided the towing vehicle:

15 (1) is specifically designed as a tow truck having a
16 gross vehicle weight rating of at least 18,000 pounds and
17 is equipped with air brakes, provided that air brakes are
18 required only if the towing vehicle is towing a vehicle,
19 semitrailer, or tractor-trailer combination that is
20 equipped with air brakes;

21 (2) is equipped with flashing, rotating, or
22 oscillating amber lights, visible for at least 500 feet in
23 all directions;

24 (3) is capable of utilizing the lighting and braking
25 systems of the disabled vehicle or combination of vehicles;
26 and

27 (4) does not engage in a tow exceeding 20 miles from
28 the initial point of wreck or disablement. Any additional
29 movement of the vehicles may occur only upon issuance of
30 authorization for that movement under the provisions of
31 Sections 15-301 through 15-319 of this Code.

32 Gross weight limits shall not apply to the combination of
33 the tow truck and vehicles being towed. The tow truck license
34 plate must cover the operating empty weight of the tow truck
35 only. The weight of each vehicle being towed shall be covered
36 by a valid license plate issued to the owner or operator of the

1 vehicle being towed and displayed on that vehicle. If no valid
2 plate issued to the owner or operator of that vehicle is
3 displayed on that vehicle, or the plate displayed on that
4 vehicle does not cover the weight of the vehicle, the weight of
5 the vehicle shall be covered by the third tow truck plate
6 issued to the owner or operator of the tow truck and
7 temporarily affixed to the vehicle being towed.

8 The Department may by rule or regulation prescribe
9 additional requirements. However, nothing in this Code shall
10 prohibit a tow truck under instructions of a police officer
11 from legally clearing a disabled vehicle, that may be in
12 violation of weight limitations of this Chapter, from the
13 roadway to the berm or shoulder of the highway. If in the
14 opinion of the police officer that location is unsafe, the
15 officer is authorized to have the disabled vehicle towed to the
16 nearest place of safety.

17 For the purpose of this subsection, gross vehicle weight
18 rating, or GVWR, shall mean the value specified by the
19 manufacturer as the loaded weight of the tow truck.

20 (e) No vehicle or combination of vehicles equipped with
21 pneumatic tires shall be operated, unladen or with load, upon
22 the highways of this State in violation of the provisions of
23 any permit issued under the provisions of Sections 15-301
24 through 15-319 of this Chapter.

25 (f) On designated Class I, II, or III highways and the
26 National System of Interstate and Defense Highways, no vehicle
27 or combination of vehicles with pneumatic tires may be
28 operated, unladen or with load, when the total weight on the
29 road surface exceeds the following: 20,000 pounds on a single
30 axle; 34,000 pounds on a tandem axle with no axle within the
31 tandem exceeding 20,000 pounds; 80,000 pounds gross weight for
32 vehicle combinations of 5 or more axles; or a total weight on a
33 group of 2 or more consecutive axles in excess of that weight
34 produced by the application of the following formula: $W = 500$
35 times the sum of $(LN \text{ divided by } N-1) + 12N + 36$, where "W"
36 equals overall total weight on any group of 2 or more

1 consecutive axles to the nearest 500 pounds, "L" equals the
 2 distance measured to the nearest foot between extremes of any
 3 group of 2 or more consecutive axles, and "N" equals the number
 4 of axles in the group under consideration.

5 The above formula when expressed in tabular form results in
 6 allowable loads as follows:

7	Distance measured					
8	to the nearest					
9	foot between the					
10	extremes of any		Maximum weight in pounds			
11	group of 2 or		of any group of			
12	more consecutive		2 or more consecutive axles			
13	axles					
14	feet	2 axles	3 axles	4 axles	5 axles	6 axles
15	4	34,000				
16	5	34,000				
17	6	34,000				
18	7	34,000				
19	8	38,000*	42,000			
20	9	39,000	42,500			
21	10	40,000	43,500			
22	11		44,000			
23	12		45,000	50,000		
24	13		45,500	50,500		
25	14		46,500	51,500		
26	15		47,000	52,000		
27	16		48,000	52,500	58,000	
28	17		48,500	53,500	58,500	
29	18		49,500	54,000	59,000	
30	19		50,000	54,500	60,000	
31	20		51,000	55,500	60,500	66,000
32	21		51,500	56,000	61,000	66,500
33	22		52,500	56,500	61,500	67,000
34	23		53,000	57,500	62,500	68,000
35	24		54,000	58,000	63,000	68,500

1	25	54,500	58,500	63,500	69,000
2	26	55,500	59,500	64,000	69,500
3	27	56,000	60,000	65,000	70,000
4	28	57,000	60,500	65,500	71,000
5	29	57,500	61,500	66,000	71,500
6	30	58,500	62,000	66,500	72,000
7	31	59,000	62,500	67,500	72,500
8	32	60,000	63,500	68,000	73,000
9	33		64,000	68,500	74,000
10	34		64,500	69,000	74,500
11	35		65,500	70,000	75,000
12	36		66,000	70,500	75,500
13	37		66,500	71,000	76,000
14	38		67,500	72,000	77,000
15	39		68,000	72,500	77,500
16	40		68,500	73,000	78,000
17	41		69,500	73,500	78,500
18	42		70,000	74,000	79,000
19	43		70,500	75,000	80,000
20	44		71,500	75,500	
21	45		72,000	76,000	
22	46		72,500	76,500	
23	47		73,500	77,500	
24	48		74,000	78,000	
25	49		74,500	78,500	
26	50		75,500	79,000	
27	51		76,000	80,000	
28	52		76,500		
29	53		77,500		
30	54		78,000		
31	55		78,500		
32	56		79,500		
33	57		80,000		

34 *If the distance between 2 axles is 96 inches or less, the 2
35 axles are tandem axles and the maximum total weight may not
36 exceed 34,000 pounds, notwithstanding the higher limit

1 resulting from the application of the formula.

2 Vehicles not in a combination having more than 4 axles may
3 not exceed the weight in the table in this subsection (f) for 4
4 axles measured between the extreme axles of the vehicle.

5 Vehicles in a combination having more than 6 axles may not
6 exceed the weight in the table in this subsection (f) for 6
7 axles measured between the extreme axles of the combination.

8 Local authorities, with respect to streets and highways
9 under their jurisdiction, without additional fees, may also by
10 ordinance or resolution allow the weight limitations of this
11 subsection, provided the maximum gross weight on any one axle
12 shall not exceed 20,000 pounds and the maximum total weight on
13 any tandem axle shall not exceed 34,000 pounds, on designated
14 highways when appropriate regulatory signs giving notice are
15 erected upon the street or highway or portion of any street or
16 highway affected by the ordinance or resolution.

17 The following are exceptions to the above formula:

18 (1) Two consecutive sets of tandem axles may carry a
19 total weight of 34,000 pounds each if the overall distance
20 between the first and last axles of the consecutive sets of
21 tandem axles is 36 feet or more.

22 (2) Vehicles for which a different limit is established
23 and posted in accordance with Section 15-316 of this Code.

24 (3) Vehicles for which the Department of
25 Transportation and local authorities issue overweight
26 permits under authority of Section 15-301 of this Code.
27 These vehicles are not subject to the bridge formula.

28 (4) Tow trucks subject to the conditions provided in
29 subsection (d) may not exceed 24,000 pounds on a single
30 rear axle or 44,000 pounds on a tandem rear axle.

31 (5) A tandem axle on a 3-axle truck registered as a
32 Special Hauling Vehicle, manufactured prior to or in the
33 model year of 2014, and registered in Illinois prior to
34 January 1, 2015, with a distance between 2 axles in a
35 series greater than 72 inches but not more than 96 inches
36 may not exceed a total weight of 36,000 pounds and neither

1 axle of the series may exceed 18,000 pounds.

2 (6) A truck not in combination, equipped with a self
3 compactor or an industrial roll-off hoist and roll-off
4 container, used exclusively for garbage or refuse
5 operations, may, when laden, transmit upon the road
6 surface, except when on part of the National System of
7 Interstate and Defense Highways, the following maximum
8 weights: 22,000 pounds on a single axle; 40,000 pounds on a
9 tandem axle; 36,000 pounds gross weight on a 2-axle
10 vehicle; 54,000 pounds gross weight on a 3-axle vehicle.
11 This vehicle is not subject to the bridge formula.

12 (7) Combinations of vehicles, registered as Special
13 Hauling Vehicles that include a semitrailer manufactured
14 prior to or in the model year of 2014, and registered in
15 Illinois prior to January 1, 2015, having 5 axles with a
16 distance of 42 feet or less between extreme axles, may not
17 exceed the following maximum weights: 18,000 pounds on a
18 single axle; 32,000 pounds on a tandem axle; and 72,000
19 pounds gross weight. This combination of vehicles is not
20 subject to the bridge formula. For all those combinations
21 of vehicles that include a semitrailer manufactured after
22 the effective date of this amendatory Act of the 92nd
23 General Assembly, the overall distance between the first
24 and last axles of the 2 sets of tandems must be 18 feet 6
25 inches or more. Any combination of vehicles that has had
26 its cargo container replaced in its entirety after December
27 31, 2014 may not exceed the weights allowed by the bridge
28 formula.

29 (8) A 4-axle truck mixer, whose fourth axle is a road
30 surface engaging trailing axle, registered as a Special
31 Hauling Vehicle, used exclusively for the mixing and
32 transportation of concrete and manufactured before or in
33 the model year of 2004 and first registered in Illinois
34 before January 1, 2005, with a distance greater than 72
35 inches but not more than 96 inches between any series of 2
36 axles and not operated on a highway that is part of the

1 National System of Interstate Highways, is allowed 20,000
2 pounds on any single axle and 36,000 pounds on a series of
3 axles greater than 72 inches but not more than 96 inches.
4 The gross weight of this vehicle may not exceed the weights
5 allowed by the bridge formula for 4 axles.

6 No vehicle or combination of vehicles equipped with other
7 than pneumatic tires may be operated, unladen or with load,
8 upon the highways of this State when the gross weight on the
9 road surface through any wheel exceeds 800 pounds per inch
10 width of tire tread or when the gross weight on the road
11 surface through any axle exceeds 16,000 pounds.

12 (f-1) A vehicle and load not exceeding 73,280 pounds is
13 allowed access as follows:

14 (1) From any State designated highway onto any county,
15 township, or municipal highway for a distance of 5 highway
16 miles for the purpose of loading and unloading, provided:

17 (A) The vehicle and load does not exceed 8 feet 6
18 inches in width and 65 feet overall length.

19 (B) There is no sign prohibiting that access.

20 (C) The route is not being used as a thoroughfare
21 between State designated highways.

22 (2) From any State designated highway onto any county
23 or township highway for a distance of 5 highway miles, or
24 any municipal highway for a distance of one highway mile
25 for the purpose of food, fuel, repairs, and rest, provided:

26 (A) The vehicle and load does not exceed 8 feet 6
27 inches in width and 65 feet overall length.

28 (B) There is no sign prohibiting that access.

29 (C) The route is not being used as a thoroughfare
30 between State designated highways.

31 (f-2) A vehicle and load greater than 73,280 pounds in
32 weight but not exceeding 80,000 pounds is allowed access as
33 follows:

34 (1) From a Class I highway onto any street or highway
35 for a distance of one highway mile for the purpose of
36 loading, unloading, food, fuel, repairs, and rest,

1 provided there is no sign prohibiting that access.

2 (2) From a Class I, II, or III highway onto any State
3 highway or any local designated highway for a distance of 5
4 highway miles for the purpose of loading, unloading, food,
5 fuel, repairs, and rest.

6 Section 5-35 of the Illinois Administrative Procedure Act
7 relating to procedures for rulemaking shall not apply to the
8 designation of highways under this subsection.

9 (g) No person shall operate a vehicle or combination of
10 vehicles over a bridge or other elevated structure constituting
11 part of a highway with a gross weight that is greater than the
12 maximum weight permitted by the Department, when the structure
13 is sign posted as provided in this Section.

14 (h) The Department upon request from any local authority
15 shall, or upon its own initiative may, conduct an investigation
16 of any bridge or other elevated structure constituting a part
17 of a highway, and if it finds that the structure cannot with
18 safety to itself withstand the weight of vehicles otherwise
19 permissible under this Code the Department shall determine and
20 declare the maximum weight of vehicles that the structures can
21 withstand, and shall cause or permit suitable signs stating
22 maximum weight to be erected and maintained before each end of
23 the structure. No person shall operate a vehicle or combination
24 of vehicles over any structure with a gross weight that is
25 greater than the posted maximum weight.

26 (i) Upon the trial of any person charged with a violation
27 of subsections (g) or (h) of this Section, proof of the
28 determination of the maximum allowable weight by the Department
29 and the existence of the signs, constitutes conclusive evidence
30 of the maximum weight that can be maintained with safety to the
31 bridge or structure.

32 (Source: P.A. 92-417, eff. 1-1-02; 93-177, eff. 7-11-03;
33 93-186, eff. 1-1-04; revised 1-22-04.)