



97TH GENERAL ASSEMBLY

State of Illinois

2011 and 2012

SB3505

Introduced 2/8/2012, by Sen. John O. Jones

SYNOPSIS AS INTRODUCED:

625 ILCS 5/15-111

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

Amends the Illinois Vehicle Code. Provides that a 3-axle truck mixer registered as a Special Hauling Vehicle, used exclusively for the mixing and transportation of concrete in the plastic state, may, when laden, transmit upon the road surface, except when on part of the National System of Interstate and Defense Highways, the following maximum weights: 22,000 pounds on a single axle; 40,000 pounds on a tandem axle; 40,000 pounds gross weight on a 2-axle vehicle; and 54,000 pounds gross weight on a 3-axle vehicle. Provides that a 3-axle truck mixer registered as a Special Hauling Vehicle, used exclusively for the mixing and transportation of concrete in the plastic state, is not subject to the bridge formula. Removes provisions limiting to vehicles manufactured before or in the model year of 2014 and first registered in Illinois before January 1, 2015 the applicability of weight limit exceptions for certain 4-axle special hauling vehicles.

LRB097 18226 HEP 65341 b

1 AN ACT concerning transportation.

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) No vehicle or combination of vehicles with pneumatic
9 tires may be operated, unladen or with load, when the total
10 weight on the road surface exceeds the following: 20,000 pounds
11 on a single axle; 34,000 pounds on a tandem axle with no axle
12 within the tandem exceeding 20,000 pounds; 80,000 pounds gross
13 weight for vehicle combinations of 5 or more axles; or a total
14 weight on a group of 2 or more consecutive axles in excess of
15 that weight produced by the application of the following
16 formula: $W = 500 \text{ times the sum of } (LN \text{ divided by } N-1) + 12N +$
17 36 , where "W" equals overall total weight on any group of 2 or
18 more consecutive axles to the nearest 500 pounds, "L" equals
19 the distance measured to the nearest foot between extremes of
20 any group of 2 or more consecutive axles, and "N" equals the
21 number of axles in the group under consideration.

22 The above formula when expressed in tabular form results in
23 allowable loads as follows:

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

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

1	47	73,500	77,500
2	48	74,000	78,000
3	49	74,500	78,500
4	50	75,500	79,000
5	51	76,000	80,000
6	52	76,500	
7	53	77,500	
8	54	78,000	
9	55	78,500	
10	56	79,500	
11	57	80,000	

12 *If the distance between 2 axles is 96 inches or less, the 2
13 axles are tandem axles and the maximum total weight may not
14 exceed 34,000 pounds, notwithstanding the higher limit
15 resulting from the application of the formula.

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

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

22 Local authorities, with respect to streets and highways
23 under their jurisdiction, without additional fees, may also by
24 ordinance or resolution allow the weight limitations of this
25 subsection, provided the maximum gross weight on any one axle
26 shall not exceed 20,000 pounds and the maximum total weight on

1 any tandem axle shall not exceed 34,000 pounds, on designated
2 highways when appropriate regulatory signs giving notice are
3 erected upon the street or highway or portion of any street or
4 highway affected by the ordinance or resolution.

5 The following are exceptions to the above formula:

6 (1) Vehicles for which a different limit is established
7 and posted in accordance with Section 15-316 of this Code.

8 (2) Vehicles for which the Department of
9 Transportation and local authorities issue overweight
10 permits under authority of Section 15-301 of this Code.
11 These vehicles are not subject to the bridge formula.

12 (3) Cities having a population of more than 50,000 may
13 permit by ordinance axle loads on 2 axle motor vehicles 33
14 1/2% above those provided for herein, but the increase
15 shall not become effective until the city has officially
16 notified the Department of the passage of the ordinance and
17 shall not apply to those vehicles when outside of the
18 limits of the city, nor shall the gross weight of any 2
19 axle motor vehicle operating over any street of the city
20 exceed 40,000 pounds.

21 (4) Weight limitations shall not apply to vehicles
22 (including loads) operated by a public utility when
23 transporting equipment required for emergency repair of
24 public utility facilities or properties or water wells.

25 (5) Two consecutive sets of tandem axles may carry a
26 total weight of 34,000 pounds each if the overall distance

1 between the first and last axles of the consecutive sets of
2 tandem axles is 36 feet or more, notwithstanding the lower
3 limit resulting from the application of the above formula.

4 (6) A truck, not in combination and used exclusively
5 for the collection of rendering materials, and a 3-axle
6 truck mixer registered as a Special Hauling Vehicle, used
7 exclusively for the mixing and transportation of concrete
8 in the plastic state, may, when laden, transmit upon the
9 road surface, except when on part of the National System of
10 Interstate and Defense Highways, the following maximum
11 weights: 22,000 pounds on a single axle; 40,000 pounds on a
12 tandem axle.

13 (7) A truck not in combination, equipped with a self
14 compactor or an industrial roll-off hoist and roll-off
15 container, used exclusively for garbage, refuse, or
16 recycling operations, and a 3-axle truck mixer registered
17 as a Special Hauling Vehicle, used exclusively for the
18 mixing and transportation of concrete in the plastic state,
19 may, when laden, transmit upon the road surface, except
20 when on part of the National System of Interstate and
21 Defense Highways, the following maximum weights: 22,000
22 pounds on a single axle; 40,000 pounds on a tandem axle;
23 40,000 pounds gross weight on a 2-axle vehicle; 54,000
24 pounds gross weight on a 3-axle vehicle. This vehicle is
25 not subject to the bridge formula.

26 (8) Except as provided in paragraph (6) and (7) of this

1 subsection (a), tandem ~~Tandem~~ axles on a 3-axle truck
2 registered as a Special Hauling Vehicle, manufactured
3 prior to or in the model year of 2014 and first registered
4 in Illinois prior to January 1, 2015, with a distance
5 greater than 72 inches but not more than 96 inches between
6 any series of 2 axles, is allowed a combined weight on the
7 series not to exceed 36,000 pounds and neither axle of the
8 series may exceed 20,000 pounds. Any vehicle of this type
9 manufactured after the model year of 2014 or first
10 registered in Illinois after December 31, 2014 may not
11 exceed a combined weight of 34,000 pounds through the
12 series of 2 axles and neither axle of the series may exceed
13 20,000 pounds.

14 (9) A 4-axle truck mixer registered as a Special
15 Hauling Vehicle, used exclusively for the mixing and
16 transportation of concrete in the plastic state,
17 ~~manufactured before or in the model year of 2014, first~~
18 ~~registered in Illinois before January 1, 2015,~~ and not
19 operated on a highway that is part of the National System
20 of Interstate Highways, is allowed the following maximum
21 weights: 20,000 pounds on any single axle; 36,000 pounds on
22 a series of axles greater than 72 inches but not more than
23 96 inches; and 34,000 pounds on any series of 2 axles
24 greater than 40 inches but not more than 72 inches. The
25 gross weight of this vehicle may not exceed the weights
26 allowed by the bridge formula for 4 axles. The bridge

1 formula does not apply to any series of 3 axles while the
2 vehicle is transporting concrete in the plastic state, but
3 no axle or tandem axle of the series may exceed the maximum
4 weight permitted under this paragraph (9) of subsection
5 (a).

6 (10) Combinations of vehicles, registered as Special
7 Hauling Vehicles that include a semitrailer manufactured
8 prior to or in the model year of 2014, and registered in
9 Illinois prior to January 1, 2015, having 5 axles with a
10 distance of 42 feet or less between extreme axles, may not
11 exceed the following maximum weights: 20,000 pounds on a
12 single axle; 34,000 pounds on a tandem axle; and 72,000
13 pounds gross weight. This combination of vehicles is not
14 subject to the bridge formula. For all those combinations
15 of vehicles that include a semitrailer manufactured after
16 the effective date of P.A. 92-0417, the overall distance
17 between the first and last axles of the 2 sets of tandems
18 must be 18 feet 6 inches or more. Any combination of
19 vehicles that has had its cargo container replaced in its
20 entirety after December 31, 2014 may not exceed the weights
21 allowed by the bridge formula.

22 (11) The maximum weight allowed on a vehicle with
23 crawler type tracks is 40,000 pounds.

24 (12) A combination of vehicles, including a tow truck
25 and a disabled vehicle or disabled combination of vehicles,
26 that exceeds the weight restriction imposed by this Code,

1 may be operated on a public highway in this State provided
2 that neither the disabled vehicle nor any vehicle being
3 towed nor the tow truck itself shall exceed the weight
4 limitations permitted under this Chapter. During the
5 towing operation, neither the tow truck nor the vehicle
6 combination shall exceed 24,000 pounds on a single rear
7 axle and 44,000 pounds on a tandem rear axle, provided the
8 towing vehicle:

9 (i) is specifically designed as a tow truck having
10 a gross vehicle weight rating of at least 18,000 pounds
11 and is equipped with air brakes, provided that air
12 brakes are required only if the towing vehicle is
13 towing a vehicle, semitrailer, or tractor-trailer
14 combination that is equipped with air brakes;

15 (ii) is equipped with flashing, rotating, or
16 oscillating amber lights, visible for at least 500 feet
17 in all directions;

18 (iii) is capable of utilizing the lighting and
19 braking systems of the disabled vehicle or combination
20 of vehicles; and

21 (iv) does not engage in a tow exceeding 20 miles
22 from the initial point of wreck or disablement. Any
23 additional movement of the vehicles may occur only upon
24 issuance of authorization for that movement under the
25 provisions of Sections 15-301 through 15-319 of this
26 Code. The towing vehicle, however, may tow any disabled

1 vehicle to a point where repairs are actually to occur.
2 This movement shall be valid only on State routes. The
3 tower must abide by posted bridge weight limits.

4 Gross weight limits shall not apply to the combination of
5 the tow truck and vehicles being towed. The tow truck license
6 plate must cover the operating empty weight of the tow truck
7 only. The weight of each vehicle being towed shall be covered
8 by a valid license plate issued to the owner or operator of the
9 vehicle being towed and displayed on that vehicle. If no valid
10 plate issued to the owner or operator of that vehicle is
11 displayed on that vehicle, or the plate displayed on that
12 vehicle does not cover the weight of the vehicle, the weight of
13 the vehicle shall be covered by the third tow truck plate
14 issued to the owner or operator of the tow truck and
15 temporarily affixed to the vehicle being towed. If a roll-back
16 carrier is registered and being used as a tow truck, however,
17 the license plate or plates for the tow truck must cover the
18 gross vehicle weight, including any load carried on the bed of
19 the roll-back carrier.

20 The Department may by rule or regulation prescribe
21 additional requirements. However, nothing in this Code shall
22 prohibit a tow truck under instructions of a police officer
23 from legally clearing a disabled vehicle, that may be in
24 violation of weight limitations of this Chapter, from the
25 roadway to the berm or shoulder of the highway. If in the
26 opinion of the police officer that location is unsafe, the

1 officer is authorized to have the disabled vehicle towed to the
2 nearest place of safety.

3 For the purpose of this subsection, gross vehicle weight
4 rating, or GVWR, means the value specified by the manufacturer
5 as the loaded weight of the tow truck.

6 (b) As used in this Section, "recycling haul" or "recycling
7 operation" means the hauling of non-hazardous, non-special,
8 non-putrescible materials, such as paper, glass, cans, or
9 plastic, for subsequent use in the secondary materials market.

10 (c) No vehicle or combination of vehicles equipped with
11 pneumatic tires shall be operated, unladen or with load, upon
12 the highways of this State in violation of the provisions of
13 any permit issued under the provisions of Sections 15-301
14 through 15-319 of this Chapter.

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

21 (e) No person shall operate a vehicle or combination of
22 vehicles over a bridge or other elevated structure constituting
23 part of a highway with a gross weight that is greater than the
24 maximum weight permitted by the Department, when the structure
25 is sign posted as provided in this Section.

26 (f) The Department upon request from any local authority

1 shall, or upon its own initiative may, conduct an investigation
2 of any bridge or other elevated structure constituting a part
3 of a highway, and if it finds that the structure cannot with
4 safety to itself withstand the weight of vehicles otherwise
5 permissible under this Code the Department shall determine and
6 declare the maximum weight of vehicles that the structures can
7 withstand, and shall cause or permit suitable signs stating
8 maximum weight to be erected and maintained before each end of
9 the structure. No person shall operate a vehicle or combination
10 of vehicles over any structure with a gross weight that is
11 greater than the posted maximum weight.

12 (g) Upon the trial of any person charged with a violation
13 of subsection (e) or (f) of this Section, proof of the
14 determination of the maximum allowable weight by the Department
15 and the existence of the signs, constitutes conclusive evidence
16 of the maximum weight that can be maintained with safety to the
17 bridge or structure.

18 (Source: P.A. 96-34, eff. 1-1-10; 96-37, eff. 7-13-09; 97-201,
19 eff. 1-1-12.)