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1 AN ACT concerning vehicles.

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

- Section 5. The Illinois Vehicle Code is amended by changing 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.
  - (a) On non-designated highways, no vehicle or combination of vehicles equipped with pneumatic tires may be operated, unladen or with load, when the total weight transmitted to the road surface exceeds 18,000 pounds on a single axle or 32,000 pounds on a tandem axle with no axle within the tandem exceeding 18,000 pounds except:
    - (1) when a different limit is established and posted in accordance with Section 15-316 of this Code;
    - (2) vehicles for which the Department of Transportation and local authorities issue overweight permits under authority of Section 15-301 of this Code;
    - (3) tow trucks subject to the conditions provided in subsection (d) may not exceed 24,000 pounds on a single rear axle or 44,000 pounds on a tandem rear axle;
    - (4) any single axle of a 2-axle truck weighing 36,000 pounds or less and not a part of a combination of vehicles, shall not exceed 20,000 pounds;
    - (5) any single axle of a 2-axle truck equipped with a personnel lift or digger derrick, weighing 36,000 pounds or less, owned and operated by a public utility, shall not exceed 20,000 pounds;
    - (6) any single axle of a 2-axle truck specially equipped with a front loading compactor used exclusively for garbage, refuse, or recycling may not exceed 20,000 pounds per axle, provided that the gross weight of the

vehicle does not exceed 40,000 pounds;

- (7) a truck, not in combination and specially equipped with a selfcompactor or an industrial roll-off hoist and roll-off container, used exclusively for garbage or refuse operations may, when laden, transmit upon the road surface the following maximum weights: 22,000 pounds on a single axle; 40,000 pounds on a tandem axle;
- (8) a truck, not in combination and used exclusively for the collection of rendering materials, may, when laden, transmit upon the road surface the following maximum weights: 22,000 pounds on a single axle; 40,000 pounds on a tandem axle;
- (9) tandem axles on a 3-axle truck registered as a Special Hauling Vehicle, manufactured prior to or in the model year of 2014 and first registered in Illinois prior to January 1, 2015, with a distance greater than 72 inches but not more than 96 inches between any series of 2 axles, is allowed a combined weight on the series not to exceed 36,000 pounds and neither axle of the series may exceed 18,000 pounds. Any vehicle of this type manufactured after the model year of 2014 or first registered in Illinois after December 31, 2014 may not exceed a combined weight of 32,000 pounds through the series of 2 axles and neither axle of the series may exceed 18,000 pounds;
- (10) tandem axles on a 4-axle truck mixer, whose fourth axle is a road surface engaging mixer trailing axle, registered as a Special Hauling Vehicle, used exclusively for the mixing and transportation of concrete and manufactured prior to or in the model year of 2014 and first registered in Illinois prior to January 1, 2015, with a distance greater than 72 inches but not more than 96 inches between any series of 2 axles, is allowed the following maximum weights: 20,000 pounds on any single axle; 36,000 pounds on any series of 2 axles greater than 72 inches but not more than 96 inches; and 34,000 pounds on any series of 2 axles greater than 72 inches but not more than 96 inches; and 34,000 pounds on any series of 2 axles greater than 40 inches but not more

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than 72 inches a combined weight on the series not to exceed 36,000 pounds and neither axle of the series may exceed 18,000 pounds. Any vehicle of this type manufactured after the model year of 2014 or first registered Illinois after December 31, 2014 may not exceed a combined weight of 32,000 pounds through the series of 2 axles and neither axle of the series may exceed 18,000 pounds;

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

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

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

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Tandem Axles

30		VEHICLES OR COMBINATIONS
31		HAVING 3 AXLES
32	With Tandem	With or
33	Axles	Without
34		Tandem Axles

35 Minimum distance to
36 nearest foot between

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1	Minimum		Minimum	
2	distance to	Maximum	distance to	Maximum
3	nearest foot	Gross	nearest foot	Gross
4	between	Weight	between	Weight
5	extreme axles	(pounds)	extreme axles	(pounds)
6	10 feet	41,000	16 feet	46,000
7	11	42,000	17	47,000
8	12	43,000	18	47,500
9	13	44,000	19	48,000
10	14	44,500	20	49,000
11	15	45,000	21 feet or more	50,000
12				
13	VEHICLES	S OR COMBINA	ATIONS HAVING 4 AXLES	5
14	Minimum		Minimum	
15	distance to	Maximum	distance to	Maximum
16	nearest foot	Gross	nearest foot	Gross
17	between	Weight	between	Weight
18	extreme axles	(pounds)	extreme axles	(pounds)
19	15 feet	50,000	26 feet	57,500
20	16	50,500	27	58,000
21	17	51,500	28	58,500
22	18	52,000	29	59,500
23	19	52,500	30	60,000
24	20	53,500	31	60,500
25	21	54,000	32	61,500
26	22	54,500	33	62,000
27	23	55,500	34	62,500
28	24	56,000	35	63,500
29	25	56,500	36 feet or more	64,000
30	A vehicle not in	a combinat	tion having more than	4 axles may
31	not exceed the weigh	t in the ta	able in this subsecti	on (b) for 4
32	axles measured betwe	en the exti	reme axles of the veh	icle.
33				
34	COMBIN	NATIONS HAV	ING 5 OR MORE AXLES	

Maximum

Gross Weight

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1	extreme axles	(pounds)		
2	42 feet or less	72,000		
3	43	73,000		
4	44 feet or more	73,280		
5	VEHICLES OPERATING ON CRAWLER	TYPE TRACKS 40,000 pounds		
6	TRUCKS EQUIPPED	WITH SELFCOMPACTORS		
7	OR ROLL-OFF HOISTS AND RO	LL-OFF CONTAINERS FOR GARBAGE		
8	OR REFUSE HAULS ON	LY AND TRUCKS USED FOR		
9	THE COLLECTION OF	RENDERING MATERIALS		
10	On Highway Not Pa	rt of National System		
11	of Interstate and Defense Highways			
12	with 2 axles	36,000 pounds		
13	with 3 axles	54,000 pounds		
14	TWO AXLE TRUC	CKS EQUIPPED WITH		
15	A FRONT LOADING COM	PACTOR USED EXCLUSIVELY		
16	FOR THE COLLECTION OF GA	RBAGE, REFUSE, OR RECYCLING		
17	with 2 axles	40,000 pounds		
18	A 4-axle truck mixer r	egistered as a Special Hauling		
19	Vehicle, used exclusively for	or mixing and transportation of		
20	concrete, and manufactured be	fore or in the model year of 2014		
21	and first registered in Illi	nois before January 1, 2015, is		
22	allowed a maximum gross w	eight listed in the table of		
23	subsection (f) of this Section	n for 4 axles. This vehicle is not		
24	subject to the series of 3 a	xles requirement provided for in		
25	subdivision (a) (11) of this Se	ection.		
26	(c) Cities having a popu	ulation of more than 50,000 may		
27	permit by ordinance axle loads	s on 2 axle motor vehicles 33 1/2%		
28	above those provided for her	ein, but the increase shall not		
29	become effective until the o	city has officially notified the		
30	Department of the passage of	the ordinance and shall not apply		
31	to those vehicles when outside	le of the limits of the city, nor		
32	shall the gross weight of an	y 2 axle motor vehicle operating		

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

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

- (1) is specifically designed as a tow truck having a gross vehicle weight rating of at least 18,000 pounds and is equipped with air brakes, provided that air brakes are required only if the towing vehicle is towing a vehicle, semitrailer, or tractor-trailer combination that is equipped with air brakes;
- (2) is equipped with flashing, rotating, or oscillating amber lights, visible for at least 500 feet in all directions;
- (3) is capable of utilizing the lighting and braking systems of the disabled vehicle or combination of vehicles; and
- (4) does not engage in a tow exceeding 20 miles from the initial point of wreck or disablement. Any additional movement of the vehicles may occur only upon issuance of authorization for that movement under the provisions of Sections 15-301 through 15-319 of this Code.

Gross weight limits shall not apply to the combination of the tow truck and vehicles being towed. The tow truck license plate must cover the operating empty weight of the tow truck only. The weight of each vehicle being towed shall be covered

by a valid license plate issued to the owner or operator of the vehicle being towed and displayed on that vehicle. If no valid plate issued to the owner or operator of that vehicle is displayed on that vehicle, or the plate displayed on that vehicle does not cover the weight of the vehicle, the weight of the vehicle shall be covered by the third tow truck plate issued to the owner or operator of the tow truck and temporarily affixed to the vehicle being towed.

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

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

- (e) No vehicle or combination of vehicles equipped with pneumatic tires shall be operated, unladen or with load, upon the highways of this State in violation of the provisions of any permit issued under the provisions of Sections 15-301 through 15-319 of this Chapter.
- (f) On designated Class I, II, or III highways and the National System of Interstate and Defense Highways, no vehicle or combination of vehicles with pneumatic tires may be operated, unladen or with load, when the total weight on the road surface exceeds the following: 20,000 pounds on a single axle; 34,000 pounds on a tandem axle with no axle within the tandem exceeding 20,000 pounds; 80,000 pounds gross weight for vehicle combinations of 5 or more axles; or a total weight on a group of 2 or more consecutive axles in excess of that weight produced by the application of the following formula: W = 500 times the sum of (LN divided by N-1) + 12N + 36, where "W"

53,000 57,500 62,500 68,000

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- equals overall total weight on any group of 2 or more 1 consecutive axles to the nearest 500 pounds, "L" equals the 2 3 distance measured to the nearest foot between extremes of any
- group of 2 or more consecutive axles, and "N" equals the number 4
- of axles in the group under consideration. 5
- 6 The above formula when expressed in tabular form results in 7 allowable loads as follows:

8	Distance measured					
9	to the nearest					
10	foot between the					
11	extremes of any	Maxim	um weight	in poun	ds	
12	group of 2 or	of an	y group o	f		
13	more consecutive	2 or 1	more cons	ecutive	axles	
14	axles					
15	feet	2 axles	3 axles	4 axles	5 axles	6 axles
16	4	34,000				
17	5	34,000				
18	6	34,000				
19	7	34,000				
20	8	38,000*	42,000			
21	9	39,000	42,500			
22	10	40,000	43,500			
23	11		44,000			
24	12		45,000	50,000		
25	13		45 <b>,</b> 500	50,500		
26	14		46,500	51,500		
27	15		47,000	52,000		
28	16		48,000	52,500	58,000	
29	17		48,500	53,500	58,500	
30	18		49,500	54,000	59,000	
31	19		50,000	54,500	60,000	
32	20		51,000	55,500	60,500	66,000
33	21		51,500	56,000	61,000	66,500
34	22		52 <b>,</b> 500	56,500	61,500	67 <b>,</b> 000

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1	24	54,000	58,000	63,000	68 <b>,</b> 500
2	25	54,500	58,500	63,500	69,000
3	26	55 <b>,</b> 500	59 <b>,</b> 500	64,000	69 <b>,</b> 500
4	27	56,000	60,000	65 <b>,</b> 000	70,000
5	28	57 <b>,</b> 000	60 <b>,</b> 500	65 <b>,</b> 500	71,000
6	29	57 <b>,</b> 500	61,500	66,000	71,500
7	30	58,500	62,000	66 <b>,</b> 500	72 <b>,</b> 000
8	31	59,000	62,500	67 <b>,</b> 500	72 <b>,</b> 500
9	32	60,000	63,500	68,000	73,000
10	33		64,000	68,500	74,000
11	34		64,500	69,000	74,500
12	35		65,500	70,000	75 <b>,</b> 000
13	36		66,000	70 <b>,</b> 500	75 <b>,</b> 500
14	37		66,500	71,000	76,000
15	38		67 <b>,</b> 500	72,000	77,000
16	39		68,000	72 <b>,</b> 500	77 <b>,</b> 500
17	40		68,500	73,000	78 <b>,</b> 000
18	41		69,500	73,500	78 <b>,</b> 500
19	42		70,000	74,000	79 <b>,</b> 000
20	43		70,500	75,000	80,000
21	44		71,500	75 <b>,</b> 500	
22	45		72 <b>,</b> 000	76,000	
23	46		72 <b>,</b> 500	76 <b>,</b> 500	
24	47		73,500	77,500	
25	48		74,000	78,000	
26	49		74,500	78 <b>,</b> 500	
27	50		75 <b>,</b> 500	79 <b>,</b> 000	
28	51		76,000	80,000	
29	52		76,500		
30	53		77,500		
31	54		78,000		
32	55		78,500		
33	56		79,500		
34	57		80,000		
35	*If the distance	between 2 axles is 9	96 inches	or less,	the 2

\*If the distance between 2 axles is 96 inches or less, the 2 axles are tandem axles and the maximum total weight may not

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exceed 34,000 pounds, notwithstanding the higher limit resulting from the application of the formula.

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

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

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

The following are exceptions to the above formula:

- (1) Two consecutive sets of tandem axles may carry a total weight of 34,000 pounds each if the overall distance between the first and last axles of the consecutive sets of tandem axles is 36 feet or more.
- (2) Vehicles for which a different limit is established and posted in accordance with Section 15-316 of this Code.
- (3) Vehicles for which the Department of Transportation and local authorities issue overweight permits under authority of Section 15-301 of this Code. These vehicles are not subject to the bridge formula.
- (4) Tow trucks subject to the conditions provided in subsection (d) may not exceed 24,000 pounds on a single rear axle or 44,000 pounds on a tandem rear axle.
- (5) A tandem axle on a 3-axle truck registered as a Special Hauling Vehicle, manufactured prior to or in the model year of 2014, and registered in Illinois prior to January 1, 2015, with a distance between 2 axles in a series greater than 72 inches but not more than 96 inches

may not exceed a total weight of 36,000 pounds and neither axle of the series may exceed 18,000 pounds.

- (6) A truck not in combination, equipped with a self compactor or an industrial roll-off hoist and roll-off container, used exclusively for garbage or refuse operations, 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; 36,000 pounds gross weight on a 2-axle vehicle; 54,000 pounds gross weight on a 3-axle vehicle. This vehicle is not subject to the bridge formula.
- Combinations of vehicles, registered as Special Hauling Vehicles that include a semitrailer manufactured prior to or in the model year of 2014, and registered in Illinois prior to January 1, 2015, having 5 axles with a distance of 42 feet or less between extreme axles, may not exceed the following maximum weights: 18,000 pounds on a single axle; 32,000 pounds on a tandem axle; and 72,000 pounds gross weight. This combination of vehicles is not subject to the bridge formula. For all those combinations of vehicles that include a semitrailer manufactured after the effective date of this amendatory Act of the 92nd General Assembly, the overall distance between the first and last axles of the 2 sets of tandems must be 18 feet 6 inches or more. Any combination of vehicles that has had its cargo container replaced in its entirety after December 31, 2014 may not exceed the weights allowed by the bridge formula.
- (8) A 4-axle truck mixer registered as a Special Hauling Vehicle, used exclusively for the mixing and transportation of concrete and manufactured before or in the model year of 2014 and first registered in Illinois before January 1, 2015, and not operated on a highway that is part of the National System of Interstate Highways, is allowed the following maximum weights; 20,000 pounds on any

single axle; 36,000 pounds on a series of axles greater
than 72 inches but not more than 96 inches; and 34,000

pounds on any series of axles greater than 40 inches but
not more than 72 inches. The gross weight of this vehicle
may not exceed the weights allowed by the bridge formula
for 4 axles. The bridge formula does not apply to any
series of 3 axles.

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

- (f-1) A vehicle and load not exceeding 73,280 pounds is allowed access as follows:
  - (1) From any State designated highway onto any county, township, or municipal highway for a distance of 5 highway miles for the purpose of loading and unloading, provided:
    - (A) The vehicle and load does not exceed 8 feet 6 inches in width and 65 feet overall length.
      - (B) There is no sign prohibiting that access.
    - (C) The route is not being used as a thoroughfare between State designated highways.
  - (2) From any State designated highway onto any county or township highway for a distance of 5 highway miles, or any municipal highway for a distance of one highway mile for the purpose of food, fuel, repairs, and rest, provided:
    - (A) The vehicle and load does not exceed 8 feet 6 inches in width and 65 feet overall length.
      - (B) There is no sign prohibiting that access.
    - (C) The route is not being used as a thoroughfare between State designated highways.
- (f-2) A vehicle and load greater than 73,280 pounds in weight but not exceeding 80,000 pounds is allowed access as follows:
  - (1) From a Class I highway onto any street or highway

for a distance of one highway mile for the purpose of loading, unloading, food, fuel, repairs, and rest, provided there is no sign prohibiting that access.

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

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

- (g) No person shall operate a vehicle or combination of vehicles over a bridge or other elevated structure constituting part of a highway with a gross weight that is greater than the maximum weight permitted by the Department, when the structure is sign posted as provided in this Section.
- (h) The Department upon request from any local authority shall, or upon its own initiative may, conduct an investigation of any bridge or other elevated structure constituting a part of a highway, and if it finds that the structure cannot with safety to itself withstand the weight of vehicles otherwise permissible under this Code the Department shall determine and declare the maximum weight of vehicles that the structures can withstand, and shall cause or permit suitable signs stating maximum weight to be erected and maintained before each end of the structure. No person shall operate a vehicle or combination of vehicles over any structure with a gross weight that is greater than the posted maximum weight.
- (i) Upon the trial of any person charged with a violation of subsections (g) or (h) of this Section, proof of the determination of the maximum allowable weight by the Department and the existence of the signs, constitutes conclusive evidence of the maximum weight that can be maintained with safety to the bridge or structure.
- 34 (Source: P.A. 92-417, eff. 1-1-02; 93-177, eff. 7-11-03;
- 35 93-186, eff. 1-1-04; revised 1-22-04.)