

## Permissible Gross Loads for Vehicles in Regular Operation<sup>1</sup>

Based on weight formula

$$W = 500 \left[ \frac{LN}{N-1} + 12N + 36 \right]$$

Distance in feet (L) between the extremes of any group of 2 or more consecutive axles

Maximum load in pounds carried on

any group of 2 or more consecutive axles<sup>2</sup>

	L	N=	2 AXLES	3 AXLES	4 AXLES	5 AXLES	6 AXLES	7 AXLES	8 AXLES	9 AXLES
Tandem Axle Weight (see pages 3 & 4)	4.....		34,000	.....	.....	.....	.....	.....	.....	.....
	5.....		34,000	.....	.....	.....	.....	.....	.....	.....
	6.....		34,000	.....	.....	.....	.....	.....	.....	.....
	7.....		34,000	.....	.....	.....	.....	.....	.....	.....
	8.....		34,000	34,000	.....	.....	.....	.....	.....	.....
	More than 8/less than 9		38,000	42,000	.....	.....	.....	.....	.....	.....
	9.....		39,000	42,500	.....	.....	.....	.....	.....	.....
	10.....		40,000	43,500	.....	.....	.....	.....	.....	.....
	11.....		.....	44,000	.....	.....	.....	.....	.....	.....
	12.....		.....	45,000	50,000	.....	.....	.....	.....	.....
	13.....		.....	45,500	50,500	.....	.....	.....	.....	.....
	14.....		.....	46,500	51,500	.....	.....	.....	.....	.....
15.....		.....	47,000	52,000	.....	.....	.....	.....	.....	
16.....		.....	48,000*	52,500	58,000	.....	.....	.....	.....	
17.....		.....	48,500	53,500	58,500	.....	.....	.....	.....	
18.....		.....	49,500	54,000	59,000	.....	.....	.....	.....	
19	Example	.....	50,000	54,500	60,000	.....	.....	.....	.....	
20	(see page 7)	.....	51,000	55,500	60,500	66,000	.....	.....	.....	
21.....		.....	51,500	56,000	61,000	66,500	.....	.....	.....	
22.....		.....	52,500	56,500	61,500	67,000	.....	.....	.....	
23.....		.....	53,000	57,500	62,500	68,000	.....	.....	.....	
24.....		.....	54,000	58,000	63,000	68,500	74,000	.....	.....	
25.....		.....	54,500	58,500	63,500	69,000	74,500	.....	.....	
26.....		.....	55,500	59,500	64,000	69,500	75,000	.....	.....	
27.....		.....	56,000	60,000	65,000	70,000	75,500	.....	.....	
28.....		.....	57,000	60,500	65,500	71,000	76,500	82,000	.....	
29.....		.....	57,500	61,500	66,000	71,500	77,000	82,500	.....	
30.....		.....	58,500	62,000	66,500	72,000	77,500	83,000	.....	
31.....		.....	59,000	62,500	67,500	72,500	78,000	83,500	.....	
32.....		.....	60,000	63,500	68,000	73,000	78,500	84,500	90,000	
33.....		.....	.....	64,000	68,500	74,000	79,000	85,000	90,500	
34.....		.....	.....	64,500	69,000	74,500	80,000	85,500	91,000	
35.....		.....	.....	65,500	70,000	75,000	80,500	86,000	91,500	
36.....		.....	.....	Exception (see page 9) { 66,000 }	70,500	75,500	81,000	86,500	92,000	
37.....		.....	66,500		71,000	76,000	81,500	87,000	93,000	
38.....		.....	.....	67,500	71,500	77,000	82,000	87,500	93,500	
39.....		.....	.....	68,000	72,000	77,500	82,500	88,500	94,000	
40.....		.....	.....	68,500	73,000	78,000	83,500	89,000	94,500	
41.....		.....	.....	69,500	73,500	78,500	84,000	89,500	95,000	
42.....		.....	.....	70,000	74,000	79,000	84,500	90,000	95,500	
43.....		.....	.....	70,500	75,000	80,000	85,000	90,500	96,000	
44.....		.....	.....	71,500	75,500	80,500	85,500	91,000	96,500	
45.....		.....	.....	72,000	76,000	81,000	86,000	91,500	97,500	
46.....		.....	.....	72,500	76,500	81,500	87,000	92,500	98,000	
47.....		.....	.....	73,500	77,500	82,000	87,500	93,000	98,500	
48.....		.....	.....	74,000	78,000	83,000	88,000	93,500	99,000	
49.....		.....	.....	74,500	78,500	83,500	88,500	94,000	99,500	
50.....		.....	.....	75,500	79,000	84,000	89,000	94,500	100,000	
51.....		.....	.....	76,000	80,000	84,500	89,500	95,000	100,500	
52.....		.....	.....	76,500	80,500	85,000	90,500	95,500	101,000	
53.....		.....	.....	77,500	81,000	86,000	91,000	96,500	101,500	
54.....		.....	.....	78,000	81,500	86,500	91,500	97,000	102,000	
55.....		.....	.....	78,500	82,500	87,000	92,000	97,500	102,500	
56.....		.....	.....	Interstate Gross Weight Limit (see page 2) { 80,000 }	79,500	83,000	87,500	92,500	98,000	103,000
57.....		.....	80,000		83,500	88,000	93,000	98,500	104,000	
58.....		.....	.....		84,000	89,000	94,000	99,000	104,500	
59.....		.....	.....	85,000	89,500	94,500	99,500	105,000	.....	
60.....		.....	.....	85,500	90,000	95,000	100,500	105,500	.....	

<sup>1</sup>The values in this table reflect FHWA's policy of rounding down when calculated weights fall exactly halfway between 500-pound increments. Because the Bridge Formula is designed to protect highway infrastructure, FHWA determined that this conservative policy is consistent with the statutory mandate.

<sup>2</sup>Fn. 2 Pursuant to 23 CFR § 650.3 13, all bridges must be inspected, rated to safe load-carrying capacity, and if required, posted or restricted with respect to the maximum allowable weight.