

North American Free Trade Agreement
Land Transportation Standards Subcommittee
Working Group 2 - Vehicle Weights and Dimensions

**Harmonization of Vehicle Weight and
Dimension Regulations Within the NAFTA
Partnership**

**"Side by Side" Comparison of
Regulated Weight and Dimension Limits**

Update May 2001

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Side by Side Update May 2001 – Notes and Observations

In October 1997 LTSS 2 completed and released the "side by side" report which compared the regulated weight and dimension limits for the four vehicle configurations considered priority candidates for regulatory harmonization. The federal, state and provincial limits for these configurations were assembled in tabular form.

In October 2000, it was agreed by LTSS 2 that these tables should be updated to reflect changes which have occurred in the past four years.

Summary of Changes - Canada:

Québec

In November 1998 Québec introduced a wide range of changes in regulated weight and dimension limits, including phasing out of the use of liftable axles. For the four configurations depicted in the summary tables, the changes include:

- a weight limit of 18,000 kg for all tandem axle groups with spreads between 1.2 and 1.85 m
- weight limits of 21,000 kg, 24,000 kg and 26,000 kg for tridem axle groups (depending upon spread)

Manitoba, Saskatchewan, Alberta and British Columbia

In late 1999 the western provinces increased the box length limit on A Train doubles to 20 m (from 18.5m)

Ontario:

On January 1, 2001 changes in a several regulated weight limits were introduced in Ontario, as part of a regulatory harmonization agreement reached with Quebec. For the four configurations under review by LTSS 2 these changes include:

- an increase in the lowest weight limit for close spaced tandem axle groups on tractors (and tandem axles on trailers in a tractor-semitrailer configuration) to 18,000 kg.
- an increase in the weight limit for wide spread (3.7 m) tridem axle groups to 25,500 kg (this limit is expected to be increased to 26,000 kg in 2005)

Alberta:

On April 1, 2001 Alberta increased the weight limit for medium spread (3.0 - 3.6 m) tridems to 24,000 kg (from 23,000).

New Brunswick, Nova Scotia, PEI and Newfoundland

As part of an agreement to establish a uniform regulatory regime for weight and dimension limits within the region, the Atlantic Provinces are expected to introduce changes in the summer of 2001 as follows:

- a weight limit of 18,000 kg for all tandem axle groups with spreads between 1.2 and 1.85 m
- weight limits of 21,000 kg, 24,000 kg and 26,000 kg for tridem axle groups, depending upon spread
- an increase in the box length limit for A Train doubles to 20 m (from 18.5 m)

Summary of Changes - United States:

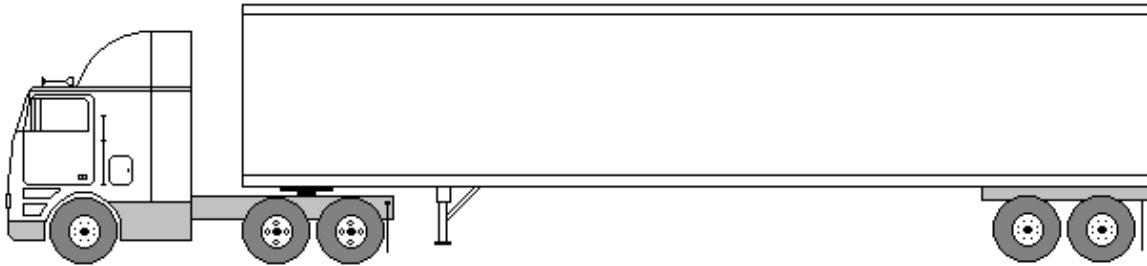
No changes have occurred in the regulated size and weight limits since the original tabular summary was prepared. However, several corrections in the depicted state limits have been incorporated.

Summary of Changes - Mexico:

In September 1999 SCT issued revised draft standards for vehicle weights and dimensions which included changes which affect the tabular summaries in the following areas:

- establishment of a new classification of highways "ET", in addition to the existing A, B, C and D classifications
- elimination of the overall length limit on tractor semitrailers; replaced by a limit on the length of the semitrailer within the combination
- introduction of a semitrailer length limit of 16.16 m on ET Class highways, and 14.63 m semitrailer length limit on Class A & B Highways
- increase in the overall length limit for A Train Doubles to 31 m on Class ET and A routes

1. Tractor Semitrailer - Five Axles



Weight and Dimension Limit Summary:

Dimension Limits

<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Overall Length	12	23.0	23.0
Overall Width	64	2.59	2.74
Overall Height	64	3.96	4.42
Tractor Wheelbase	12	6.2	6.2
Trailer Length	61	14.63	18.29
Trailer Wheelbase (max)	33	11.28	13.11
Rear Overhang	17	35%	1.83

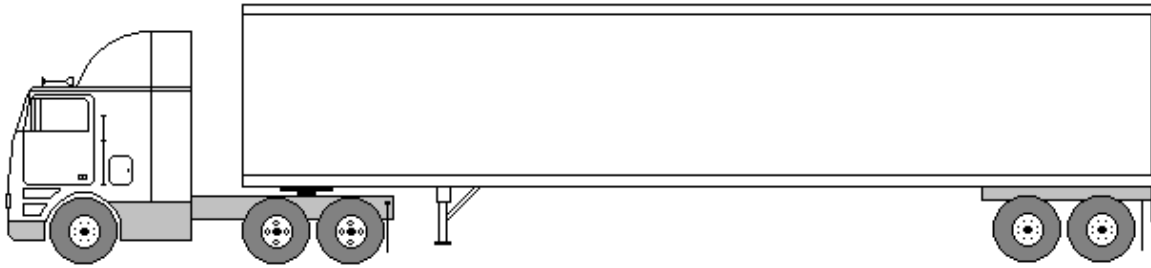
Weight Limits

<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Steering Axle	65	4,990	10,206
Tractor Tandem	65	15,442	19,958
Trailer Tandem	65	15,442	19,958
GCW	65	36,288	44,000

Legend:

No. = Number of jurisdictions which have a limit; maximum possible is 65.
 National System = National truck network in US, primary system in Canada and Class ET, A & B highways in Mexico

Observations - Compatibility Issues



Dimension Limits

Overall Length	<ul style="list-style-type: none"> • <i>no overall length limit (USA & Mexico) versus length restriction (Canada)</i> • <i>different overall length limits (Canada vs Mexico vs US State limits)</i>
Overall Height	<ul style="list-style-type: none"> • <i>three points in range: 4.15 m (13.5'), 4.25 m (13.9') & 4.27 m (14')</i>
Trailer Length	<ul style="list-style-type: none"> • <i>different trailer length limits; although 53' is widely accepted</i>
Tractor Wheelbase	<ul style="list-style-type: none"> • <i>only Canada controls directly</i>
Trailer Wheelbase	<ul style="list-style-type: none"> • <i>Canada and some US states control</i>
Trailer Tandem Spread	<ul style="list-style-type: none"> • <i>USA encourages wider spread for higher weight</i> • <i>Canada limits spread to 1.85 m</i> • <i>Mexico neutral</i>
Other Issues: Additional controls:	<ul style="list-style-type: none"> • <i>kingpin setback (Canada)</i> • <i>effective rear overhang (Canada)</i> • <i>track width (Canada)</i>

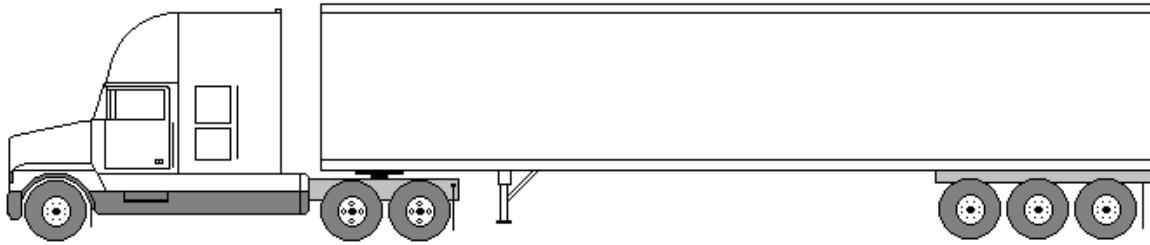
Weight Limits

Steering Axle	<ul style="list-style-type: none"> • <i>two camps; 5500 kg versus full single axle weight (9,000 to 10,000 kg)</i>
Drive Tandem	<ul style="list-style-type: none"> • <i>range of limits throughout NAFTA</i> • <i>more weight for tractor tandem than trailer</i> • <i>extra weight for specific suspension type</i>
Trailer Tandem	<ul style="list-style-type: none"> • <i>range of limits in place</i> • <i>greater spread for higher weight vs same weight for any spread</i>
Gross Vehicle Weight	<ul style="list-style-type: none"> • <i>US has bridge formula cap</i> • <i>Canada limits GVW based on axle weights</i> • <i>Mexico limit by bridge formula; different for different routes</i>

Summary: Tractor - Semitrailer (5 axles) - National Networks

	Overall Length (m)	Overall Width (m)	Overall Height (m)	Tractor Wheelbase - max	Trailer Length - max	Trailer Wheelbase (max)	Rear Overhang - max	Tandem Spread - min	Tandem Spread - max	Steering Axle - max	Tractor Tandem - max	Trailer Tandem - max	GCW
Mexico		2.6	4.25		16.16					6,500	19,500	18,000	44,000
Class A&B Routes		2.6	4.25		14.63					6,500	19,500	18,000	44,000
Canada													
British Columbia	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	17,000	17,000	39,500
Alberta	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	17,000	17,000	39,500
Saskatchewan	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	17,000	17,000	39,500
Manitoba	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	17,000	17,000	39,500
Ontario	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	9,000	18,000	18,000	41,500
Quebec	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	18,000	18,000	41,500
New Brunswick	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	18,000	18,000	41,500
Nova Scotia	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	18,000	18,000	41,500
Prince Edward Island	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	18,000	18,000	41,500
Newfoundland	23.0	2.60	4.15	6.20	16.20	12.50	35%	1.20	1.85	5,500	18,000	18,000	41,500
Yukon	23.0	2.60	4.20	6.20	16.20	12.50	35%	1.20	1.85	5,500	17,000	17,000	39,500
Northwest Terr.	23.0	2.60	4.20	6.20	16.20	12.50	35%	1.20	1.85	5,500	17,000	17,000	39,500
United States		2.59								9,072	15,422	15,422	36,288
Alabama		2.59	4.11		17.37	12.5	1.52	1.01	2.44	9,072	15,422	15,422	36,288
Alaska		2.59	4.27		14.63			0.91	3.05	5,443	17,237	17,237	36,288
Arizona		2.59	4.27		17.53			1.01	2.44	9,072	15,422	15,422	36,288
Arkansas		2.59	4.11		16.31			1.01	2.44	5,443	15,422	15,422	36,288
California		2.59	4.27		16.15	12.19		1.01	2.44	5,670	15,422	15,422	36,288
Colorado		2.59	3.96		17.47			1.01	2.44	9,072	16,330	16,330	36,288
Connecticut		2.59	4.11		16.15		1.22	1.01	2.44	5,443	16,330	16,330	36,288
Delaware		2.59	4.11		16.15		1.83	1.01	2.44	9,072	15,422	15,422	36,288
Dist. of Columbia		2.59	4.11		14.63			1.01	2.44	9,072	15,422	15,422	36,288
Florida		2.59	4.11		16.15	12.5	1.22	1.01	2.44	5,489	19,958	19,958	36,288
Georgia		2.59	4.11		16.15	12.5		1.01	2.44	8,165	15,422	15,422	36,288
Hawaii		2.74	4.27					1.01	2.44	10,206	15,422	15,422	39,917
Idaho		2.59	4.27		16.15			1.01	2.44	5,443	15,422	15,422	36,288
Illinois		2.59	4.11		16.15	12.95		1.01	2.44	9,072	15,422	15,422	36,288
Indiana		2.59	4.11		16.15	12.34		1.01	2.44	7,258	15,422	15,422	36,288
Iowa		2.59	4.11		16.15			1.01	2.44	9,072	15,422	15,422	36,288
Kansas		2.59	4.27		18.14			1.01	2.44	9,072	15,422	15,422	36,288
Kentucky		2.59	4.11		16.15			1.01	2.44	5,443	15,422	15,422	36,288
Louisiana		2.59	4.11		18.14			1.01	2.44	5,897	15,422	15,422	36,288
Maine		2.59	4.11		16.15	13.11		1.22	2.44	5,443	17,237	17,237	36,288
Maryland		2.59	4.11		16.15	12.5		1.01	2.44	5,443	15,422	15,422	36,288
Massachusetts		2.59	4.11		16.15			1.01	2.44	7,258	16,330	16,330	36,288
Michigan		2.59	4.11		16.15	12.5		1.01	2.44	6,350	15,422	15,422	36,288
Minnesota		2.59	4.11		16.15	12.5		1.01	2.44	5,443	15,422	15,422	36,288
Mississippi		2.59	4.11		16.15			1.01	2.44	4,990	15,422	15,422	36,288
Missouri		2.59	4.27		16.15			1.01	2.44	9,072	15,422	15,422	36,288
Montana		2.59	4.27		16.15			1.01	2.44	5,443	15,422	15,422	36,288
Nebraska		2.59	4.42		16.15			1.01	2.44	9,072	15,422	15,422	36,288
Nevada		2.59	4.27		16.15			1.01	2.44	5,443	15,422	15,422	36,288
New Hampshire		2.59	4.11		16.15	12.5		1.01	2.44	9,072	15,422	16,330	36,288
New Jersey		2.59	4.11		16.15	12.5		1.01	2.44	7,258	15,422	15,422	36,288
New Mexico		2.59	4.27		17.53			1.01	2.74	5,443	15,568	15,568	39,191
New York		2.59	4.11		17.53	12.5		1.01	2.44	10,161	16,330	16,330	36,288
North Carolina		2.59	4.11		16.15	12.5		1.01	2.44	9,072	17,237	17,237	36,288
North Dakota		2.59	4.27		16.15			1.01	2.44	4,990	15,422	15,422	36,556
Ohio		2.59	4.11		16.15			1.01	2.44	5,897	15,422	15,422	36,288
Oklahoma		2.59	4.11		18.14			1.01	2.44	5,897	15,422	15,422	36,288
Oregon		2.59	4.27		16.15			1.01	2.44	5,443	15,422	15,422	36,288
Pennsylvania		2.59	4.11		16.15			1.01	2.44	7,258	16,330	16,330	36,288
Rhode Island		2.59	4.11		16.15		1.83	1.01	2.44	10,161	16,330	16,330	36,288
South Carolina		2.59	4.11		16.15	12.5		1.01	2.44	9,072	17,963	17,963	36,560
South Dakota		2.59	4.27		16.15			1.01	2.44	5,443	15,422	15,422	36,288
Tennessee		2.59	4.11		16.15	12.5		1.01	2.44	9,072	15,422	15,422	36,288
Texas		2.59	4.27		17.98			1.01	2.44	5,897	15,422	15,422	36,288
Utah		2.59	4.27		16.15	12.34		1.01	2.44	5,443	15,422	15,422	36,288
Vermont		2.59	4.11		16.15	12.5		1.07	2.44	5,443	16,330	16,330	36,288
Virginia		2.59	4.11		16.15	11.28		1.01	2.44	5,897	15,422	15,422	36,288
Washington		2.59	4.27		16.15			1.01	2.44	5,443	15,422	15,422	36,288
West Virginia		2.59	4.11		16.15	11.28		1.01	2.44	9,072	15,422	15,422	36,288
Wisconsin		2.59	4.11		16.15	12.5		1.01	2.44	5,897	15,422	15,422	36,288
Wyoming		2.59	4.27		18.29			1.01	2.44	6,804	16,330	16,330	39,463

2. Tractor Semitrailer Configuration - Six Axles



Current Weight and Dimension Limit Summary:

Dimension Limits

<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Overall Length	13	19.8	23
Overall Width	65	2.59	2.74
Overall Height	64	3.96	4.42
Tractor Wheelbase	12	6.2	6.2
Trailer Length	62	14.63	18.29
Trailer Wheelbase (max)	33	11.28	13.11
Rear Overhang	17	35%	1.8

Weight Limits

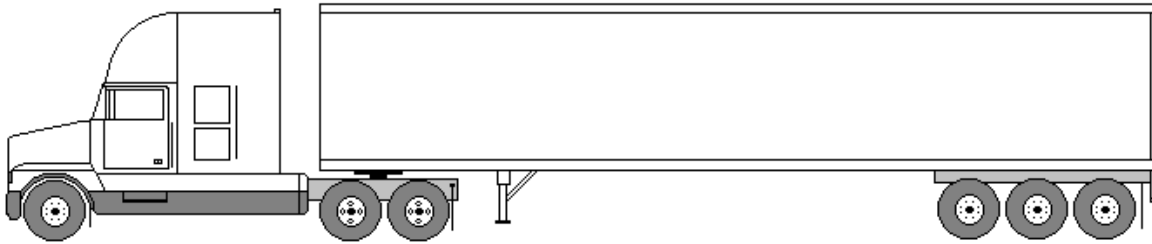
<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Steering Axle	65	4,990	10,206
Tractor Tandem	65	15,442	19,958
Tridem 2.4 - 3.0 m	65	15,060	24,000
Tridem 3.1 - 3.6 m	65	16,148	24,000
Tridem - 3.6 m	65	16,330	26,000
GCW with 2.4 m Tridem	65	36,288	48,500
GCW with 3.0 m Tridem	65	36,288	49,000
GCW with 3.6 m Tridem	65	36,288	50,400

Legend:

No. = Number of jurisdictions which have a limit; maximum possible is 65.

National System = National truck network in US, primary system in Canada and Class ET, A & B highways in Mexico

Observations - Compatibility Issues



Dimension Limits

Overall Length	<ul style="list-style-type: none"> • no overall length limit (USA & Mexico) versus length restriction (Canada) • different overall length limits (Canada vs Mexico vs US State limits)
Overall Height	<ul style="list-style-type: none"> • three points in range: 4.15 m (13.5'), 4.25 m (13.9') & 4.27 m (14')
Trailer Length	<ul style="list-style-type: none"> • different trailer length limits; although 53' is widely accepted
Tractor Wheelbase	<ul style="list-style-type: none"> • only Canada controls directly
Trailer Wheelbase	<ul style="list-style-type: none"> • Canada and some US states control
Trailer Tridem Spread	<ul style="list-style-type: none"> • Not an issue for USA • Canada limits spread to 3.7 m • Mexico neutral on spread
Other Issues: Additional controls:	<ul style="list-style-type: none"> • kingpin setback (Canada) • effective rear overhang (Canada) • track width (Canada)

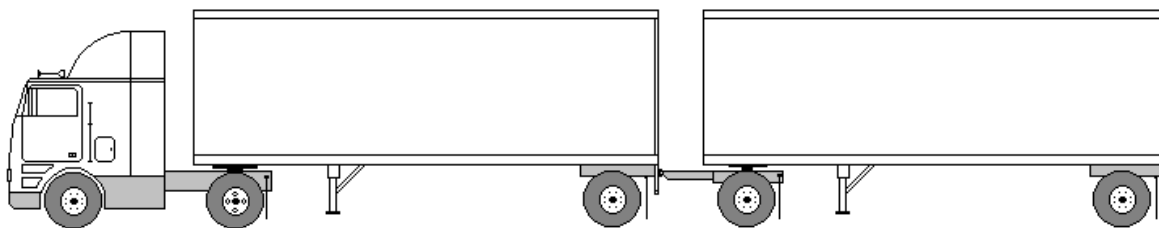
Weight Limits

Steering Axle	<ul style="list-style-type: none"> • two camps; 5500 kg versus full single axle weight (9,000 to 10,000 kg)
Drive Tandem	<ul style="list-style-type: none"> • range of limits throughout NAFTA • more weight for tractor tandem than trailer • extra weight for specific suspension type
Trailer Tridem	<ul style="list-style-type: none"> • greater spread for higher weight vs same weight for any spread
Gross Vehicle Weight	<ul style="list-style-type: none"> • US has bridge formula cap • Canada limits GVW based on axle weights • Mexico limit by bridge formula; different for different routes

Summary: Tractor - Semitrailer (6 axles) - National Networks

Jurisdiction	Overall Length (m)	Overall Width (m)	Overall Height (m)	Tractor Wheelbase - max	Trailer Length - max	Trailer Wheelbase (max)	Rear Overhang - max	Tridem Spread - min	Tridem Spread - max	Steering Axle Weight - max	Drive Tandem Weight - max	Trailer Tridem 2.4 - 3m	Trailer Tridem 3.0 - 3.6m	Trailer Tridem 3.7m	GCW with Tridem 2.4 - 3m	GCW with Tridem 3.0 - 3.6m	GCW with Tridem 3.7m
Mexico		2.60	4.25		16.16					6,500	19,500	22,500	22,500	22,500	48,500	48,500	48,500
Class A&B Routes		2.60	4.25		14.63					6,500	19,500	22,500	22,500	22,500	48,500	48,500	48,500
Canada																	
British Columbia	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	17,000	24,000	24,000	24,000	46,500	46,500	46,500
Alberta	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	17,000	21,000	24,000	24,000	43,500	46,500	46,500
Saskatchewan	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	17,000	21,000	23,000	24,000	43,500	45,500	46,500
Manitoba	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	17,000	21,000	23,000	24,000	43,500	45,500	46,500
Ontario	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	18,000	21,300	23,000	25,500	44,800	46,500	49,000
Quebec	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	18,000	21,000	24,000	26,000	44,500	47,500	49,500
New Brunswick	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	18,000	21,000	24,000	26,000	44,500	47,500	49,500
Nova Scotia	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	18,000	21,000	24,000	26,000	44,500	47,500	49,500
Prince Edward Island	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	18,000	21,000	24,000	26,000	44,500	47,500	49,500
Newfoundland	23.0	2.60	4.15	6.20	16.20	12.50	35%	2.40	3.70	5,500	18,000	21,000	24,000	26,000	44,500	47,500	49,500
Yukon	23.0	2.60	4.20	6.20	16.20	12.50	35%	2.40	3.70	9,000	17,000	21,300	23,000	24,400	47,300	49,000	50,400
Northwest Terr.	23.0	2.60	4.20	6.20	16.20	12.50	35%	2.40	3.70	5,500	17,000	21,000	23,000	24,000	43,500	45,500	46,500
United States		2.59								9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Alabama		2.59	4.11		17.37	12.5	1.52	2.44		9,072	16,330	19,051	19,732	20,412	36,288	36,288	36,288
Alaska		2.59	4.27		14.63			3.05		5,443	17,237	19,051	19,051	19,051	39,917	40,597	41,278
Arizona		2.59	4.27		17.53			2.44		9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Arkansas		2.59	4.11		16.31			2.44		5,443	15,422	19,051	19,732	20,412	36,288	36,288	36,288
California		2.59	4.27		16.15	12.19		2.44		5,670	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Colorado		2.59	3.96		17.47			2.44		9,072	16,330	19,051	19,732	20,412	36,288	36,288	36,288
Connecticut		2.59	4.11		16.15		1.22	2.44		5,443	16,330	19,051	19,732	20,412	36,288	36,288	36,288
Delaware		2.59	4.11		16.15		1.83	2.44		9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Dist. of Columbia		2.59	4.11		14.63			2.44		9,072	15,422	17,237	19,278	19,958	36,288	36,288	36,288
Florida		2.59	4.11		16.15	12.5	1.22	2.44		5,489	19,958	19,958	19,958	20,412	36,288	36,288	36,288
Georgia		2.59	4.11		16.15	12.5		2.44		8,165	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Hawaii		2.74	4.27					2.44		10,206	15,422	19,596	20,412	20,866	39,917	39,917	39,917
Idaho		2.59	4.27		16.15			2.44		5,443	15,422	19,051	19,732	20,412	36,288	40,597	41,278
Illinois		2.59	4.11		16.15	12.95		2.44		9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Indiana		2.59	4.11		16.15	12.34		2.44		7,258	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Iowa		2.59	4.11		16.15			2.44		9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Kansas		2.59	4.27		18.14			2.44		9,072	15,422	19,051	19,732	20,412	38,783	38,783	38,783
Kentucky		2.59	4.11		16.15			2.44		5,443	15,422	21,773	21,773	21,773	36,288	36,288	36,288
Louisiana		2.59	4.11		18.14			2.44		5,897	15,422	20,412	20,412	20,412	39,917	39,917	39,917
Maine		2.59	4.11		16.15	13.11		2.44		5,443	17,237	21,773	21,773	21,773	45,360	45,360	45,360
Maryland		2.59	4.11		16.15	12.5		2.44		5,443	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Massachusetts		2.59	4.11		16.15			2.44		7,258	16,330	19,051	19,732	20,412	36,288	36,288	36,288
Michigan		2.59	4.11		16.15	12.5		2.13	5.49	6,350	15,422	17,690	17,690	17,690	38,556	38,556	38,556
Minnesota		2.59	4.11		16.15	12.5		2.44		5,443	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Mississippi		2.59	4.11		16.15			2.44		4,990	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Missouri		2.59	4.27		16.15			2.44		9,072	15,422	15,060	16,148	17,237	36,288	36,288	36,288
Montana		2.59	4.27		16.15			2.44		5,443	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Nebraska		2.59	4.42		16.15			2.44		9,072	15,422	19,051	19,732	20,412	43,092	43,092	43,092
Nevada		2.59	4.27		16.15			2.44		5,443	15,422	19,051	19,732	20,412	39,917	40,597	41,278
New Hampshire		2.59	4.11		16.15	12.5		2.44		9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
New Jersey		2.59	4.11		16.15	12.5		2.44		7,258	15,422	19,051	19,732	20,412	36,288	36,288	36,288
New Mexico	19.8	2.59	4.27		17.53			3.05		5,443	15,568	15,568	17,690	18,398	39,191	39,191	39,191
New York		2.59	4.11		17.53	12.5		2.44		10,161	16,330	19,051	19,732	20,412	36,288	36,288	36,288
North Carolina		2.59	4.11		16.15	12.5		2.44		9,072	17,237	19,051	19,732	20,412	36,288	36,288	36,288
North Dakota		2.59	4.27		16.15			2.44		4,990	15,422	19,051	19,732	20,412	39,463	40,144	40,824
Ohio		2.59	4.11		16.15			2.44		5,897	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Oklahoma		2.59	4.11		18.14			2.44		5,897	15,422	19,051	19,732	20,412	40,370	40,824	40,824
Oregon		2.59	4.27		16.15			2.44		5,443	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Pennsylvania		2.59	4.11		16.15			2.44	4.88	7,258	16,330	19,051	19,732	20,412	36,288	36,288	36,288
Rhode Island		2.59	4.11		16.15		1.83	2.44		10,161	16,330	20,321	20,412	20,412	36,288	36,288	36,288
South Carolina		2.59	4.11		16.15	12.5		2.44		9,072	17,963	19,051	19,732	20,412	40,643	40,643	40,643
South Dakota		2.59	4.27		16.15			2.44		5,443	15,422	19,051	19,732	20,412	39,917	40,597	41,278
Tennessee		2.59	4.11		16.15	12.5		2.44		9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Texas		2.59	4.27		17.98			2.44		5,897	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Utah		2.59	4.27		16.15	12.34		2.44		5,443	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Vermont		2.59	4.11		16.15	12.5		2.44		5,443	16,330	19,051	19,732	20,412	36,288	36,288	36,288
Virginia		2.59	4.11		16.15	11.28		2.44		5,897	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Washington		2.59	4.27		16.15			2.44		5,443	15,422	19,051	19,732	20,412	39,917	40,597	41,278
West Virginia		2.59	4.11		16.15	11.28		2.44		9,072	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Wisconsin		2.59	4.11		16.15	12.5		2.44		5,897	15,422	19,051	19,732	20,412	36,288	36,288	36,288
Wy																	

3. A Train Double Trailer Configuration - Five Axles



Current Weight and Dimension Limit Summary:

Dimension Limits

<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Overall Length	13	25	31.0
Overall Width	65	2.59	2.74
Overall Height	64	3.96	4.42
First Trailer Length	45	8.53	16.15
Second Trailer Length	45	8.53	16.15
Box Length	21	18.5	33.53

Weight Limits

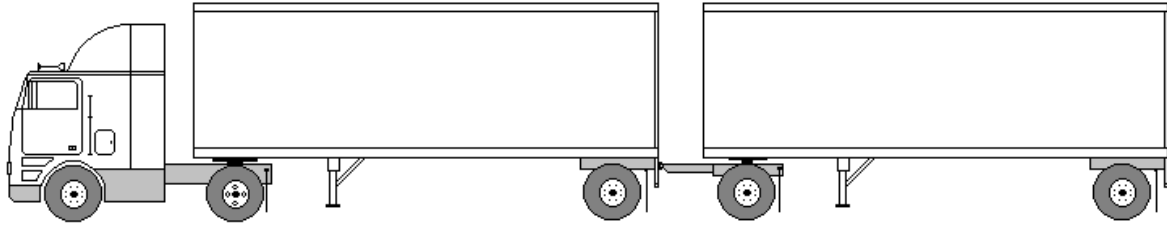
<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Steering Axle	65	4,990	10,206
Tractor Drive Axle	65	9,072	11,000
Trailer Axle	65	9,072	10,000
GCW	65	36,288	47,500

Legend:

No. = Number of jurisdictions which have a limit; maximum possible is 65.

National System = National truck network in US, primary system in Canada and Class ET, A & B highways in Mexico

Observations - Compatibility Issues



Dimension Limits

Overall Length	<ul style="list-style-type: none"> • <i>no overall length limit (USA) versus length restriction (Canada & Mexico)</i> • <i>different overall length limits (Canada vs Mexico vs US State limits)</i>
Overall Height	<ul style="list-style-type: none"> • <i>three points in range: 4.15 m (13.5'), 4.25 m (13.9') & 4.27 m (14')</i>
Trailer Length(s) Box Length Tractor Wheelbase Trailer Wheelbase	<ul style="list-style-type: none"> • <i>independent controls but closely linked</i> • <i>primary source of interjurisdictional conflicts/operational complications</i>
Interaxle Spacing	<ul style="list-style-type: none"> • <i>bridge formula (USA & Mexico) versus fixed limits (Canada)</i>
Other Issues: Additional controls:	<ul style="list-style-type: none"> • <i>kingpin setback (Canada)</i> • <i>hitch offset (Canada)</i> • <i>track width (Canada)</i>

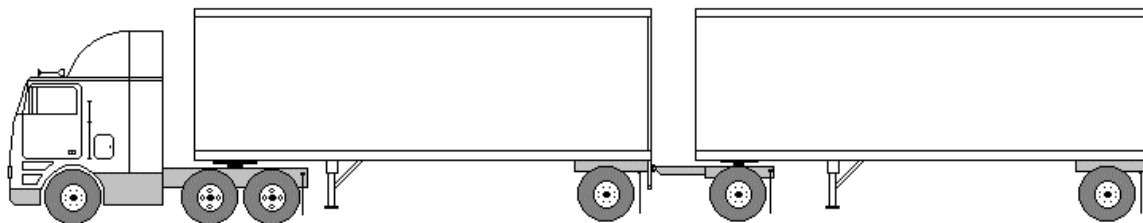
Weight Limits

Steering Axle	<ul style="list-style-type: none"> • <i>two camps; 5500 kg versus full single axle weight (9,000 to 10,000 kg)</i>
Drive Axle	<ul style="list-style-type: none"> • <i>range of limits throughout NAFTA</i> • <i>more weight for tractor tandem than trailer</i> • <i>extra weight for specific suspension type</i>
Trailer Axles	<ul style="list-style-type: none"> • <i>range (narrow) of limits throughout NAFTA</i> • <i>cap on second trailer weight</i>
Gross Vehicle Weight	<ul style="list-style-type: none"> • <i>US has cap based on bridge formula</i> • <i>Canada has cap based on stability</i> • <i>Mexico limit by bridge formula</i>

Summary: A Train Double (5 axles) - National Networks

Jurisdiction	Overall Length	Overall Width	Overall Height	Tractor Wb - max	First Trailer Length - max	Second Trailer Length - max	Box Length - max	Steering Axle - max	Drive Axle - max	Trailer Axle - max	GCW
Mexico	31	2.6	4.25					6,500	11,000	10,000	47,500
Class B Routes	28.5	2.6	4.25					6,500	11,000	10,000	47,500
Canada											
British Columbia	25	2.6	4.15	6.2			20	5,500	9,100	9,100	39,700
Alberta	25	2.6	4.15	6.2			20	5,500	9,100	9,100	39,700
Saskatchewan	25	2.6	4.15	6.2			20	5,500	9,100	9,100	39,700
Manitoba	25	2.6	4.15	6.2			20	5,500	9,100	9,100	39,700
Ontario	25	2.6	4.15	6.2			18.5	5,500	10,000	10,000	45,500
Quebec	25	2.6	4.15	6.2			18.5	5,500	10,000	10,000	45,500
New Brunswick	25	2.6	4.15	6.2			20	5,500	9,100	9,100	41,900
Nova Scotia	25	2.6	4.15	6.2			20	5,500	9,100	9,100	41,900
Prince Edward Island	25	2.6	4.15	6.2			20	5,500	9,100	9,100	41,900
Newfoundland	25	2.6	4.15	6.2			20	5,500	9,100	9,100	41,900
Yukon	25	2.6	4.2	6.2			20	5,500	9,100	9,100	39,700
Northwest Terr.	25	2.6	4.2	6.2			20	5,500	9,100	9,100	39,700
United States		2.59						9,072	9,072	9,072	36,288
Alabama		2.59	4.11		8.69	8.69		9,072	9,072	9,072	36,288
Alaska		2.59	4.27				28.96	5,443	9,072	9,072	39,463
Arizona		2.59	4.27		8.69	8.69		9,072	9,072	9,072	36,288
Arkansas		2.59	4.11		8.53	8.53		5,443	9,072	9,072	36,288
California		2.59	4.27		8.69	8.69		5,670	9,072	9,072	36,288
Colorado		2.59	3.96		8.69	8.69		9,072	9,072	9,072	36,288
Connecticut		2.59	4.11		8.53	8.53		5,443	10,161	10,161	36,288
Delaware		2.59	4.11		8.84	8.84		9,072	9,072	9,072	36,288
Dist. of Columbia		2.59	4.11		8.53	8.53		9,979	9,979	9,979	36,288
Florida		2.59	4.11		8.53	8.53		5,489	9,979	9,979	36,288
Georgia		2.59	4.11		8.53	8.53		8,165	9,072	9,226	36,288
Hawaii		2.74	4.27					10,206	10,206	10,206	36,288
Idaho		2.59	4.27				20.73	5,443	9,072	9,072	36,288
Illinois		2.59	4.11		8.69	8.69		9,072	9,072	9,072	36,288
Indiana		2.59	4.11		8.69	8.69		7,258	9,072	9,072	36,288
Iowa		2.59	4.11		8.69	8.69		9,072	9,072	9,072	36,288
Kansas		2.59	4.27		8.69	8.69		9,072	9,072	9,072	36,288
Kentucky		2.59	4.11		8.53	8.53		5,443	9,072	9,072	36,288
Louisiana		2.59	4.11		9.14	9.14		5,897	9,072	9,072	36,288
Maine		2.59	4.11		8.69	8.69		5,443	9,979	9,072	36,288
Maryland		2.59	4.11		8.53	8.53		5,443	10,161	10,161	36,288
Massachusetts		2.59	4.11		8.69	8.69		7,258	10,161	10,161	36,288
Michigan		2.59	4.11		8.69	8.69		6,350	9,072	9,072	36,288
Minnesota		2.59	4.11		8.69	8.69		5,443	9,072	9,072	36,288
Mississippi		2.59	4.11		9.14	9.14		4,990	9,072	9,072	36,288
Missouri		2.59	4.27		8.53	8.53		9,072	9,072	9,072	36,288
Montana		2.59	4.27		8.69	8.69		5,443	9,072	9,072	36,288
Nebraska		2.59	4.42				19.81	9,072	9,072	9,072	36,288
Nevada		2.59	4.27		8.69	8.69		5,443	9,072	9,072	36,288
New Hampshire		2.59	4.11		8.53	8.53		9,072	9,072	9,072	36,288
New Jersey		2.59	4.11		8.53	8.53		7,258	10,161	10,161	36,288
New Mexico		2.59	4.27		8.69	8.69		5,443	9,798	9,798	39,191
New York		2.59	4.11		8.69	8.69		7,258	10,161	10,161	36,288
North Carolina		2.59	4.11		8.53	8.53		9,072	9,072	9,072	36,288
North Dakota		2.59	4.27		16.15	16.15	31.39	4,990	9,072	9,072	41,278
Ohio		2.59	4.11		8.69	8.69		5,897	9,072	9,072	36,288
Oklahoma		2.59	4.11		16.15	16.15	33.53	5,897	9,072	9,072	36,288
Oregon		2.59	4.27		12.19	12.19	20.73	5,443	9,072	9,072	40,824
Pennsylvania		2.59	4.11		8.69	8.69		7,258	10,161	10,161	36,288
Rhode Island		2.59	4.11		8.69	8.69		10,161	10,161	10,161	36,288
South Carolina		2.59	4.11		8.69	8.69		9,072	9,072	9,072	36,288
South Dakota		2.59	4.27		8.69	8.69		5,443	9,072	9,072	36,288
Tennessee		2.59	4.11		8.69	8.69		9,072	9,072	9,072	36,288
Texas		2.59	4.27		8.69	8.69		5,897	9,072	9,072	36,288
Utah		2.59	4.27				18.59	5,443	9,072	9,072	36,288
Vermont		2.59	4.11		8.53	8.53		5,443	9,072	9,072	36,288
Virginia		2.59	4.11		8.69	8.69		5,897	9,072	9,072	36,288
Washington		2.59	4.27				18.59	5,443	9,072	9,072	39,463
West Virginia		2.59	4.11		8.69	8.69		9,072	9,072	9,072	36,288
Wisconsin		2.59	4.11		8.69	8.69		5,897	9,072	9,072	36,288
Wyoming		2.59	4.27		14.63	12.19	24.69	6,804	9,072	9,072	43,092

4. A Train Double Trailer Configuration - Six Axles



Current Weight and Dimension Limit Summary:

Dimension Limits

<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Overall Length	13	25	31.0
Overall Width	65	2.59	2.74
Overall Height	64	3.96	4.42
First Trailer Length	45	8.53	16.15
Second Trailer Length	45	8.53	16.15
Box Length	19	17.7	24.7

Weight Limits

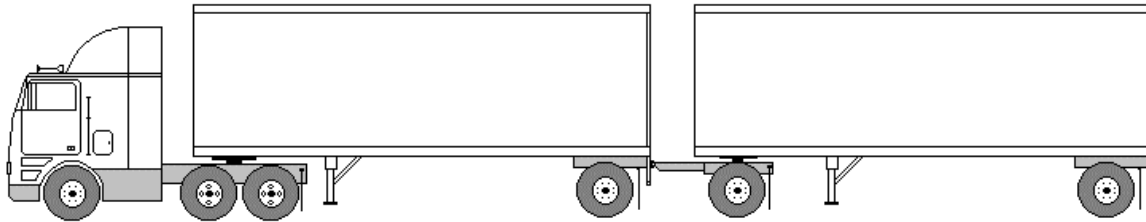
<i>Summary</i>	<i>National Network</i>		
	<i>No</i>	<i>Lowest Limit</i>	<i>Highest Limit</i>
Steering Axle	65	4,990	10,206
Tractor Drive Axle	65	14,515	19,958
Trailer Axle	65	8,165	10,206
GCW	65	36,288	56,000

Legend:

No. = Number of jurisdictions which have a limit; maximum possible is 65.

National System = National truck network in US, primary system in Canada and Class ET, A & B highways in Mexico

Observations - Compatibility Issues



Dimension Limits

Overall Length	<ul style="list-style-type: none"> • <i>no overall length limit (USA) versus length restriction (Canada & Mexico)</i> • <i>different overall length limits (Canada vs Mexico vs US State limits)</i>
Overall Height	<ul style="list-style-type: none"> • <i>Three points in range: 4.15 m (13.5'), 4.25 m (13.9') & 4.27 m (14')</i>
Trailer Length(s) Box Length Tractor Wheelbase Trailer Wheelbase	<ul style="list-style-type: none"> • <i>independent controls but closely linked</i> • <i>primary source of interjurisdictional conflicts/operational complications</i>
Interaxle Spacing	<ul style="list-style-type: none"> • <i>bridge formula (USA & Mexico) versus fixed limits (Canada)</i>
Other Issues: Additional controls:	<ul style="list-style-type: none"> • <i>kingpin setback (Canada)</i> • <i>hitch offset (Canada)</i> • <i>track width (Canada)</i>

Weight Limits

Steering Axle	<ul style="list-style-type: none"> • <i>two camps; 5500 kg versus full single axle weight (9,000 to 10,000 kg)</i>
Drive Tandem	<ul style="list-style-type: none"> • <i>range of limits throughout NAFTA</i> • <i>extra weight for specific suspension type</i>
Trailer Axles	<ul style="list-style-type: none"> • <i>range (narrow) of limits throughout NAFTA</i> • <i>cap on second trailer weight (Canada)</i>
Gross Vehicle Weight	<ul style="list-style-type: none"> • <i>US has cap based on bridge formula</i> • <i>Canada has cap based on stability</i> • <i>Mexico limit by bridge formula</i>

Summary: A Train Double (6 axles) - National Networks

Jurisdiction	Overall Length	Overall Width	Overall Height	Tractor Wb - max	First Trailer Length - max	Second Trailer Length - max	Box Length - max	Steering Axle - max	Tractor Tandem - max	Trailer Axle Weight - max	GCW
Mexico	31	2.6	4.25					6,500	19,500	10,000	56,000
Class B Routes	28.5	2.6	4.25					6,500	19,500	10,000	56,000
Canada											
British Columbia	25	2.6	4.15	6.2			20	5,500	17,000	9,100	47,600
Alberta	25	2.6	4.15	6.2			20	5,500	17,000	9,100	47,600
Saskatchewan	25	2.6	4.15	6.2			20	5,500	17,000	9,100	47,600
Manitoba	25	2.6	4.15	6.2			20	5,500	17,000	9,100	47,600
Ontario	25	2.6	4.15	6.2			18.5	5,500	18,000	10,000	53,500
Quebec	25	2.6	4.15	6.2			18.5	5,500	18,000	10,000	53,500
New Brunswick	25	2.6	4.15	6.2			20	5,500	18,000	9,100	50,800
Nova Scotia	25	2.6	4.15	6.2			20	5,500	18,000	9,100	50,800
Prince Edward Island	25	2.6	4.15	6.2			20	5,500	18,000	9,100	50,800
Newfoundland	25	2.6	4.15	6.2			20	5,500	18,000	9,100	50,800
Yukon	25	2.6	4.2	6.2			20	5,500	17,000	9,100	47,600
Northwest Terr.	25	2.6	4.2	6.2			20	5,500	17,000	9,100	47,600
United States	2.59							9,072	15,422	9,072	36,288
Alabama	2.59	4.11			8.69	8.69		9,072	16,330	9,072	38,102
Alaska	2.59	4.27					28.96	5,443	17,237	9,072	41,278
Arizona	2.59	4.27			8.69	8.69		9,072	15,422	9,072	36,288
Arkansas	2.59	4.11			8.53	8.53		5,443	15,422	9,072	36,288
California	2.59	4.27			8.69	8.69		5,670	15,422	9,072	36,288
Colorado	2.59	3.96			8.69	8.69		9,072	18,144	9,072	38,556
Connecticut	2.59	4.11			8.53	8.53		5,443	16,330	10,161	36,288
Delaware	2.59	4.11			8.84	8.84		9,072	18,144	9,072	36,288
Dist. of Columbia	2.59	4.11			8.53	8.53		9,979	15,422	9,979	36,288
Florida	2.59	4.11			8.53	8.53		5,489	19,958	9,979	36,288
Georgia	2.59	4.11			8.53	8.53		8,165	15,422	9,226	36,288
Hawaii	2.74	4.27						10,206	15,422	10,206	39,917
Idaho	2.59	4.27					20.73	5,443	15,422	9,072	41,278
Illinois	2.59	4.11			8.69	8.69		9,072	15,422	9,072	36,288
Indiana	2.59	4.11			8.69	8.69		7,258	15,422	9,072	36,288
Iowa	2.59	4.11			8.69	8.69		9,072	15,422	9,072	36,288
Kansas	2.59	4.27			8.69	8.69		9,072	15,422	9,072	38,783
Kentucky	2.59	4.11			8.53	8.53		5,443	15,422	9,072	36,288
Louisiana	2.59	4.11			9.14	9.14		5,897	15,422	9,979	36,288
Maine	2.59	4.11			8.69	8.69		5,443	17,237	9,072	36,288
Maryland	2.59	4.11			8.53	8.53		5,443	15,422	9,072	36,288
Massachusetts	2.59	4.11			8.69	8.69		7,258	16,330	10,161	36,288
Michigan	2.59	4.11			8.69	8.69		6,350	14,515	8,165	40,824
Minnesota	2.59	4.11			8.69	8.69		5,443	15,422	9,072	36,288
Mississippi	2.59	4.11			9.14	9.14		4,990	15,422	9,072	36,288
Missouri	2.59	4.27			8.53	8.53		9,072	15,422	9,072	36,288
Montana	2.59	4.27			8.69	8.69		5,443	15,422	9,072	36,288
Nebraska	2.59	4.42					19.81	9,072	15,422	9,072	41,278
Nevada	2.59	4.27			8.69	8.69		5,443	15,422	9,072	41,278
New Hampshire	2.59	4.11			8.53	8.53		9,072	15,422	9,072	36,288
New Jersey	2.59	4.11			8.53	8.53		7,258	15,422	10,161	36,288
New Mexico	2.59	4.27			8.69	8.69		5,443	15,568	9,798	39,191
New York	2.59	4.11			8.69	8.69		7,258	16,330	10,161	36,288
North Carolina	2.59	4.11			8.53	8.53		9,072	15,422	9,072	36,288
North Dakota	2.59	4.27			16.15	16.15	31.39	4,990	15,422	9,072	47,628
Ohio	2.59	4.11			8.69	8.69		5,897	15,422	9,072	36,288
Oklahoma	2.59	4.11			16.15	16.15	33.53	5,897	15,422	9,072	40,824
Oregon	2.59	4.27			12.19	12.19	20.73	5,443	15,422	9,072	43,772
Pennsylvania	2.59	4.11			8.69	8.69		7,258	16,330	10,161	36,288
Rhode Island	2.59	4.11			8.69	8.69		10,161	16,330	10,161	36,288
South Carolina	2.59	4.11			8.69	8.69		9,072	17,963	9,072	36,560
South Dakota	2.59	4.27			8.69	8.69		5,443	15,422	9,072	41,278
Tennessee	2.59	4.11			8.69	8.69		9,072	15,422	9,072	36,288
Texas	2.59	4.27			8.69	8.69		5,897	15,422	9,072	36,288
Utah	2.59	4.27					18.59	5,443	15,422	9,072	36,288
Vermont	2.59	4.11			8.53	8.53		5,443	16,330	9,072	36,288
Virginia	2.59	4.11			8.69	8.69		5,897	15,422	9,072	36,288
Washington	2.59	4.27					18.59	5,443	15,422	9,072	41,278
West Virginia	2.59	4.11			8.69	8.69		9,072	15,422	9,072	36,288
Wisconsin	2.59	4.11			8.69	8.69		5,897	15,422	9,072	36,288
Wyoming	2.59	4.27			14.63	12.19	24.69	6,804	16,330	9,072	48,082