



California
Department of Transportation
Box 942874, Room 4105
Sacramento, California 94274-0001

PHONE: (916) 322-1297

HOURS: 8:00 A.M.-5:00 P.M.
PACIFIC TIME

Legal Limits	DESIGNATED HIGHWAYS	ALL OTHER ROADS
Weight:		
Steering axle	12,500	12,500
Single	20,000	20,000
Tandem	34,000	34,000
	Two consecutive sets of tandem axles cannot exceed 68,000 lbs. Must have 36' between first and last axle of two consecutive axles.	
Tridum	Depends on axle spread	
Gross weight	80,000	80,000
	<i>Federal Bridge Formula applies.</i>	
Width:	8'6"	8'6"
	<i>Any city or county may, by ordinance, prohibit a combination of vehicles of a total width in excess of 8' upon highways under its jurisdiction.</i>	
Height:	14'	14'
	<i>Any vehicle that exceeds 13'6" shall only be operated on those highways where deemed to be safe by the owner of the vehicle.</i>	
Length:		
Single unit, buses	40'	40'
Semi-trailer	53*	65' overall length

* On the national network if the semi-trailer is under 48' there are no kingpin requirements. On the national network semi-trailers up to 53' must follow the following requirements: kingpin to centerline of rearmost axle of tandems is limited to 40'; single rear axle is limited to 38'.

On all other roads the overall length is 65' and kingpin to centerline of 40' for 2 or more axles and 38' for a single axle.

Twins/doubles	28'6"	28'6"-75' overall length
Autotransporters & boat	70'	70'*
	75'	75'**

* If kingpin of stinger steered semi-trailer is at least 3' behind the rear drive axle of motor truck.

** If the distance between the steering axle and the kingpin is at least 5' behind the rear drive axle of the motor truck and the distance from kingpin and rear axle of the semi-trailer does not exceed 34' and the distance from the steering axle to the rear drive axle of the motortruck does not exceed 24'.

Rocky mtn. doubles	Not allowed	Not allowed
Turnpike doubles	Not allowed	Not allowed
Triples	Not allowed	Not allowed
Saddlemounts	65'	65'
TOLERANCE	On permanent scales 200 lbs. On platform scales-2% tolerance on gross and on axle weight.	
TIRE WIDTH	Up to 9' wide. The gross weight upon a solid tire of a vehicle shall not exceed 620 lbs. upon any inch of the channel base width of such tire.	
ACCESS	Reasonable access to facilities for purposes limited to fuel, food, lodging and repair when that access is consistent with the safe operation of the combination of vehicles and when the facility is within 1 mile of identified points of ingress and egress to or from highways is allowed.	
OVERHANG	3' front overhang. 4' front overhang when the load is composed solely of vehicles and the load shall not extend to the rear beyond the last point of support for a greater distance than that equal to two-thirds of the length of the wheelbase of the vehicle carrying such load. For the wheelbase measurement it is the distance from the last axle of the power unit to the last axle of the semi-trailer.	
EXEMPTIONS	Poles, timber, pipes, integral structural materials or single unit component parts, including but not limited to, missile components, aircraft assemblies, drilling equipment, and tanks not exceeding 80' long are exempt from the length laws. Loads may only consist of 3 poles under this provision.	

Permit Limits**ROUTINE ISSUE****Weight:**

Steering axle	12,500
Single axle	20,000
Tandem	46,000
Tridum	60,000*

** Depends on the axle spacings (see purple weight chart)
No more than 2 groups at this weight.*

Quad	N/A
Trunnion	60,000 lbs 10' wide axle

Gross weight:

5 Axles	112,500
6 axles	117,450
7 axles	158,000
8 Axles	181,300

No weight allowed on tandems with more than 8' spread. Tridum exceeding 10' spread.

Length:

Generally up to 135'. The state will permit higher than this maximum if the road can handle the excess length and there is a good reason for the move. A steering axle may be required on longer loads.

Width:

Generally up to 15'. The state will permit higher than this maximum if the road can handle the excess width and the applicant can give a good reason on why this load should be moved.

16' Mobile Homes

Height:

The maximum height is dependent on the clearance. The state will issue a permit if the vehicle will have adequate clearance on the routes to be traveled. 3" clearance required. All overheight loads must be on a low boy trailer unless load requires full deck support. Written route surveys will be required from the carrier over 17'0" high.

PERMITS VALID FOR

Single trip permits are valid for seven (7) travel days.

EXTENSIONS/REVISIONS

Extensions and revisions may be granted, the fee is \$16.

OPERATING TIME

Travel is allowed 24 hours a day, 7 days a week (but must be requested at time of order) unless an escort is required or load exceeds a 2 vehicle configuration; or exceeds green loading weight or a detour is required or width does exceed lane width. In this case it is restricted to one-half hour before sunrise to one-half hour after sunset.

WEEKEND TRAVEL

Weekend travel is allowed when no escort is required as long as vehicle combination does not exceed 2 vehicles and loading does not exceed "green" weight. No travel if load requires detours off state routes, otherwise no travel on weekends.

LIFT AXLES

Lift axles are an acceptable axles as long as the axle group shall have common suspension and all axles in the loading group shall meet the +/- 10% equal weight distribution requirement. The axle controls shall be located outside the cab and unaccessible to the driver

DIVISIBLE LOADS

Must be reduced to its lowest possible form.

EXCEPTIONS

Blades, buckets, counterweights, etc., do not need to be removed. Booms, mast, machinery or other equipment which is not attendant to the efficient operation of the body of the vehicle but which may be attached to the body or chassis or connected with the driving mechanism, shall be regarded as part of the load.

SELF-PROPELLED EQUIPMENT

Annual - will permit up to 12' wide, legal length and height. Weight is determined by axle spacings, bridge structures and is classified as either a purple or green weight by the state. Purple weight is limited to a 75 mile radius and green weight is limited to a 100 mile radius of carriers California base. Single trip permits will be issued on a case by case basis. A tow-away 12' wide and under and legal weight does not need an inspection if for export. If overweight, an inspection is needed. A \$10 license is needed for a tow-away.

SEALED CONTAINERS/INTERMODAL

Overweight permits are available within Los Angeles and Long Beach Port area. Must be legal elsewhere.

MANUFACTURED HOUSING/MOBILE HOMES

The Department may issue a special or annual permit in writing authorizing the applicant to move any manufactured home in excess of the maximum width of 12' but not exceeding 16' exclusive of flights and other safety devices.

The application for a special permit shall specifically describe the manufactured home to be moved and the particular highways over which the permit to operate is requested. The application shall specifically describe the power unit to be used to tow the overwidth manufactured homes and the particular highways over which the permit to operate is requested.

The Department of Transportation or local authority may establish seasonal or other time limitations within which a manufactured home may be moved on the highways indicated and may require an undertaking or other security as it deems necessary to protect the highways and bridges from injury or to provide indemnity for any injury resulting from the operation.

The manufactured homes shall comply with the weight rules of no one axle may exceed 16,000 lbs. and have obtained approval from cities, or counties to travel on routes under their jurisdiction.

Types of permits**Schedule of Fees:**

Single trip	\$16
Annual	\$90

INFORMATION NEEDED TO ORDER A PERMIT

Name and address of the applicant, load description, load dimensions unless hauling earth moving equipment, make, model, serial number, vehicle description, serial number on additional equipment and additional axles, trailer length, empty length, overall dimensions and weights, total number of axles, number of axles on the tractor, number of axles on the trailer, kingpin setting, type of suspension, axle width if overweight on both the truck and trailer, trailer type, overhang, origin, destination and routes.

Escorts

California has two regions using statewide pilot car maps - **must check permits for escort requirements.**

<u>When Escorts Are Generally Needed:</u>	<u># Escorts</u>
● <u>Width</u> over 12' (depends on routes) (Depends on <u>location</u> - may need escort for under 12' width)	1 or 2
● <u>Length</u> 120' to 135' (depends on location)	1 or more
● <u>Length</u> over 100' in LA city	2 (Front & Rear)
● <u>Overhang</u> over 30'	1
● <u>Height</u> 18' or more requires utility clearance, 1 w/ High Pole route survey, etc.	
● <u>For height under 18': if not required by permit but is desired by trucking company, due to load, be sure to state "a high pole esc. to be used" on permit application - else subject to possible fine.</u>	

- Fixed load-front overhang exceeds 25' from bumper or, if no bumper, from front tires 1 or more
- Crane's boom or mast, drill rig or well service equipment extends over 25' from front tires 1 or more
- Rear projection over 25' beyond trailer 1 or more
- Not required for max. permittable rear boom overhang of 30' measured from rear tire's center. (Insurance company's "exemption" letter is no longer valid.) 1 or more
- Truck crane rear boom overhang over 30' beyond last point of support of vehicle bed 1 or more
- Load width exceeds lane width and if length and/or width of load an/or vehicle encroaches into adjacent lane. (see chart) 1 or more
- (Normally escorts are not required on urban freeway where right lane has been reduced to less than 12' and load width is 11' or 12') 1 or more
- Escorts for route "E" classification determined by district permit engineer 1 or more
- Rear overhang of any fixed driven or towed vehicle exceeds 30' when measured from the centerline of the last axle 1 or more

Route Classification	Load or Vehicle Width				Vehicle Combination Length		
	Over 10'	Over 11'	Over 12'	13'1" - 14'6"	Over 85'	Over 100'	Over 120'
Caltrans Maps	Over 10'	Over 11'	Over 12'	13'1" - 14'6"	Over 85'	Over 100'	Over 120'
A Yellow	—	—	1	1	—	—	1
B Green	—		1	2 (on 2-lane)	—	1	1
C Blue—	—	1	1	2	—	1	2
D Brown	1	1	2	2	*	1	2
E Red	Moves into or through these areas are not permitted without prior consultation with district permit engineer. This restriction will not preclude its use on an annual permit with maximum width and/or length restrictions.						

Route Classification Definitions:

- Multi-lane freeways and expressways - 2-lane w/12' lane + 4' shoulder or more
- 2-lane with 12' lane + any shoulder width 0' - 4'. Multi-lane freeways and expressways with substandard lanes
- 2-lane with 11' + any or no shoulder
- 2-lane with 10' lane + any or no shoulder (some less than 10' lane)
- 2-lane with less than 10' lane where there is another alternative route. To use (some state and some county alternative routes)

Note: 1 pilot car for multi-lane; 2 pilot cars for 2 lanes.

Additional Pilot Car Notes:

- If significant encroachment occurs with loads or combinations, pilot car(s) shall be required.
- One additional pilot car may be required for slow moving vehicles or slow moving vehicles with loads.
- Where CHP escort is required, the District Permit Engineer may reduce or eliminate pilot cars with the concurrence of the CHP.
- Height poles will not be a Caltrans requirement. If requested by a permittee, a pilot car will be permitted and identified as a permittee request.

VEHICLE REQUIREMENTS

The vehicle must be at least 60" wide. An escort vehicle shall display at least one red warning flag on each side of the vehicle. The flag shall be a minimum of 16" square, and shall be mounted so as to be visible from both the front and rear of the vehicle. The flags shall be removed when vehicle is not operating as a pilot car. It must be equipped with the following a "stop" and "slow" paddle, one orange vest, shirt or jacket, one red hand flag (24" square) and a two-way radio communication device.

Escort vehicles shall also be equipped with a flashing amber warning lights to the front, when leading and rear when following. Vehicles shall display in a conspicuous place on both the right and left sides of the car a sign showing the name of the company which owns or operates the car. The vehicle shall display neat, clean and legible signs containing the wording "Oversize" visible front and rear.

The sign shall be a minimum of 48" above the ground and shall be legible at 45 degrees from either side when read from front or rear. The sign shall have a bright yellow background with a minimum projected area of 440 square inches. The lettering shall be black with a minimum brush stroke width of 1 5/8" and 6" minimum letter height.

SIGNS & FLAGS**SIGNS**

Signs must display the wording "Oversize Load" or "Long Load" (whenever load is over 100') in letters 10" high with 1-5/8" brush strokes. Letters must be black on a yellow background. The sign shall be mounted at least 18" above the road surface on both the front and rear of the vehicle. Signs and flags are required on vehicles over 8'6" wide and/or 80 long or overhang over 10'.

FLAGS

Flags are required whenever the load upon any vehicle extends, or whenever any integral part of any vehicle projects, to the rear 4' or more than 6" beyond the bed or body of the vehicle, there shall be displayed at the extreme end of the load or projecting part of the vehicle lights or flags. During darkness it shall have two (2) red lights visible from 500' to the side and rear, two white lights visible from 500' to front of load. At any other time there shall be displayed at the extreme end of the load or projecting part of the vehicle a red flag or cloth not less than 16" square.

Insurance

Must carry the minimum insurance required in California law. \$15,000/30,000 /5,000. Must carry minimum insurance of \$750/500/10 for all ICC carriers.

CALIFORNIA

Weigh Stations

CA 4 at Murphys WB	209-728-1306
I-5 Castaic 1.1 miles N. of CA 126 I.F. NB	661-294-5530
I-5 Cottonwood 12.5 miles N. of Red Bluff NB, SB	530-347-1813
I-5 Santa Nella 5 miles N. of CA 152 NB, SB	209-854-2661
I-5 Dunsmuir Grade 2 miles S. of CA 89 I.F. SB only	530-926-2425
I-5 San Onofre 5 miles S. of San Onofre I.F. NB, SB (N. of Oceanside)	760-430-7700
I-5 Grapevine I.F. SB 30 miles S. of Bakersfield	661-858-2540
I-8 Winterhaven POE 10 miles W. of Winterhaven WB	760-572-0781
I-10 Desert Hills 1 mile E. of Banning I.F. EB, WB	951-849-5646
I-15 Cajon POE NB, SB (15 miles N. of San Bernardino)	760-249-6363
I-15 Rainbow SB, N. of Escondido I.F. Rainbow NB	951-506-2020
US 50 Camino WB 12 miles E. of Placerville	916-844-2118
CA 58 Keene EB 30 miles E. of Bakersfield	805-822-4763
CA 58 Cache Creek W. of Mojave WB	805-824-2496
CA 70 Keddie just W. of 89 Jct. WB	916-283-2909
I-80 Antelope 12 miles N.E. of Sacramento 1 mile W. of Antelope Crossing EB, WB	916-263-3556
I-80 Cordelia I.F. EB, WB 4 miles W. of Fairfield	707-864-5565
I-80 Donner Pass POE W. of Jct. CA 89 WB	530-587-1242
CA 91 Peralta 5 miles W. of Weir Canyon Rd. EB, WB (N.W. of Corona)	714-283-2614
I-99 Chowchilla	559-665-2904
US 101 Conejo 1 mile N. of Wendy Dr. I.F. NB scale SB N. of CA 23	805-498-3853
US 101 Ridgewood SB	707-459-8571
US 101 Little River SB	707-677-0600
US 101 St. Vincents SB	415-491-1002
US 101 Terra Linda NB	415-491-1001
US 101 Gilroy I.F., SB	408-848-3078
CA 299, Whiskey Town EB	916-244-1468
CA 108 Lyons Dam WB	209-586-1129
CA 299 Buckhorn WB	707-668-5471
I-580 Livermore EB, WB	310-327-9950
I-680 Mission Grade IF, NB	925-862-2223
I-680 Walnut Creek NB, SB	925-646-6585
I-880 Nimitz I.F., NB, SB	510-794-3660
I-905 Otay Mesa, NB	619-671-3000

Restricted Travel

Operators of vehicles over 10' in width may not travel Monday through Friday through the following areas at the times noted:

Los Angeles and vicinity	6:00 - 9:00 a.m.	3:00 - 6:00 p.m.
Sacramento and vicinity	7:00 - 9:00 a.m.	4:00 - 6:00 p.m.
San Diego and vicinity	7:00 - 9:00 a.m.	4:00 - 6:00 p.m.
*San Francisco/Oakland Bay Bridge	6:30 - 9:00 a.m.	3:30 - 6:30 p.m.
San Francisco and vicinity	7:00 - 9:00 a.m.	4:00 - 6:00 p.m.

Most County and City governments in California have enacted ordinances which establish requirements for permits or authorizations for oversize/overweight vehicles operating on County roads or City streets. Please contact Comdata's Cal Permits division to obtain these permits at 800-344-1912.

Highway patrol escorts required on all overheight loads using the Bay Bridge. 707-648-5550.

*Loads over 11' wide and all overheight loads require highway patrol escort. Over 12' wide the travel is restricted to 11:00 a.m. - 1:00 p.m. Monday-Friday Call 707-648-4180.

CALIFORNIA

Drivers going into or out of the following ports WILL BE required to have a Transportation Workers Identification Card (TWIC) issued by the Transportation Safety Administration:

Benicia, Samoa, Long Beach, San Pedro, Oakland, Martinez, Oxnard, Richmond, West Sacramento, San Diego, San Francisco, Stockton, Terminal Island

SPRING WEIGHT RESTRICTIONS

Summer weight restrictions: When on San Bernardino County desert roads, permit travel for overweight loads is allowed only until 10:00 a.m. from June 1st until October 15th.

Holidays

Travel is prohibited on the following holidays:

New Year's Day

Labor Day

Washington's Birthday

Christmas Day

Memorial Day

Thanksgiving Day

Independence Day

If holiday falls on a Friday or Monday, travel is prohibited during the weekend. The State Permit Office will be closed on the above mentioned holidays as well as Martin Luther King Day, Columbus Day, Veteran's Day, and the day after Thanksgiving.

Fines

Any person convicted of transporting an extra legal load on a highway shall be punished by a fine not exceeding \$500 or by imprisonment not exceeding six months or both.

Overweight Fines

Overweight Fines	Fines
0 - 1000	\$ 20
1001 - 1500	\$ 30
1501 - 2000	\$ 40
2001 - 2500	\$ 55
2501 - 3000	\$ 85
3001 - 3500	\$105
3501 - 4000	\$125
4001 - 4500	\$145
4501 - 5000	\$175
5001 - 6000	\$.04 cents each lb.
6001 - 7000	\$.06 cents each lb.
7001 - 8000	\$.08 cents each lb.
8001-10,000	\$.15 cents each lb.
10001-Over	\$.20 cents each lb.

*Courts may charge administrative fees on top of fines.

Superloads

Loads exceeding 15' wide or 135' long or 17' high are considered superloads. Engineer drawings and justification is required on all applications. Any permit application is subject to engineering review when a bridge (on the requested route) does not have sufficient rating for the vehicle-load combination. Review time depends on the following factors: load size and weight, number of axles and spacing between the axles, number of bridges on requested route requiring analyses, different types of bridges on requested route requiring analyses, roadway restrictions on the requested route, number of permit applications in the queue for processing, and the number of changes initiated by the customer before the permit application is complete. The cost is set by California law, and is \$50 per hour. Permits can take up to 30 days for issuance.

Southern (909)383-7979
Northern (916)322-6664

APPENDIX 20
WEIGHT CHART (PLATE 25-4)

GREEN AND BONUS OVERLOADS*

MAXIMUM PERMIT WEIGHT ON TANDEM AXLES = 52,000 POUNDS

Example: 8' - 0" Distance Between First and Last Axle in Feet

43,680
50,232
54,600

4 tires, 8' - 0" Wide
8 tires, 8' - 0" Wide
8 tires, 10' - 0" Wide

Green Load = $1.3 \times 700 (L + 40)$
Green Load (+ 15%) = $1.15 \times 1.3 \times 700 (L + 40)$
Green Load (+ 25%) = $1.25 \times 1.3 \times 700 (L + 40)$

IN. FT.	0	1	2	3	4	5	6	7	8	9	10	11
2	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000
	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600	27,600
	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
3	24,000	24,000	24,000	24,000	24,000	24,000	39,585	39,661	39,737	39,813	39,888	39,964
	27,600	27,600	27,600	27,600	27,600	27,600	45,523	45,610	45,697	45,784	45,872	45,959
	30,000	30,000	30,000	30,000	30,000	30,000	49,481	49,576	49,671	49,766	49,860	49,955
4	40,040	40,116	40,192	40,268	40,343	40,419	40,495	40,571	40,647	40,723	40,798	40,874
	46,046	46,133	46,220	46,308	46,395	46,482	46,569	46,656	46,744	46,831	46,918	47,005
	50,050	50,145	50,240	50,334	50,429	50,524	50,619	50,714	50,808	50,903	50,998	51,093
5	40,950	41,026	41,102	41,178	41,253	41,329	41,405	41,481	41,557	41,633	41,708	41,784
	47,093	47,180	47,267	47,354	47,441	47,529	47,616	47,703	47,790	47,877	47,965	48,052
	51,188	51,282	51,377	51,472	51,567	51,661	51,756	51,851	51,946	52,041	52,135	52,230
6	41,860	41,936	42,012	42,088	42,163	42,239	42,315	42,391	42,467	42,543	42,618	42,694
	48,139	48,226	48,313	48,401	48,488	48,575	48,662	48,749	48,837	48,924	49,011	49,098
	52,325	52,420	52,515	52,609	52,704	52,799	52,894	52,989	53,083	53,178	53,273	53,368
7	42,770	42,846	42,922	42,998	43,073	43,149	43,225	43,301	43,377	43,453	43,528	43,604
	49,186	49,273	49,360	49,447	49,534	49,622	49,709	49,796	49,883	49,970	50,058	50,145
	53,463	53,557	53,652	53,747	53,842	53,936	54,031	54,126	54,221	54,316	54,410	54,505
8	43,680	43,756	43,832	43,908	43,983	44,059	44,135	44,211	44,287	44,363	44,438	44,514
	50,232	50,319	50,406	50,494	50,581	50,668	50,755	50,842	50,930	51,017	51,104	51,191
	54,600	54,695	54,790	54,884	54,979	55,074	55,169	55,264	55,358	55,453	55,548	55,643
9	44,590	44,666	44,742	44,818	44,893	44,969	45,045	45,121	45,197	45,273	45,348	45,424
	51,279	51,366	51,453	51,540	51,627	51,715	51,802	51,889	51,976	52,063	52,151	52,238
	55,738	55,832	55,927	56,022	56,117	56,211	56,306	56,401	56,496	56,591	56,685	56,780
10	45,500	45,576	45,652	45,728	45,803	45,879	45,955	46,031	46,107	46,183	46,258	46,334
	52,325	52,412	52,499	52,587	52,674	52,761	52,848	52,935	53,023	53,110	53,197	53,284
	56,875	56,970	57,065	57,159	57,254	57,349	57,444	57,539	57,633	57,728	57,823	57,918
11	46,410	46,486	46,562	46,638	46,713	46,789	46,865	46,941	47,017	47,093	47,168	47,244
	53,372	53,459	53,546	53,633	53,720	53,808	53,895	53,982	54,069	54,156	54,244	54,331
	58,013	58,107	58,202	58,297	58,392	58,486	58,581	58,676	58,771	58,866	58,960	59,055
12	47,320	47,396	47,472	47,548	47,623	47,699	47,775	47,851	47,927	48,003	48,078	48,154
	54,418	54,505	54,592	54,680	54,767	54,854	54,941	55,028	55,116	55,203	55,290	55,377
	59,150	59,245	59,340	59,434	59,529	59,624	59,719	59,814	59,908	60,003	60,098	60,193
13	48,230	48,306	48,382	48,458	48,533	48,609	48,685	48,761	48,837	48,913	48,988	49,064
	55,465	55,552	55,639	55,726	55,813	55,901	55,988	56,075	56,162	56,249	56,337	56,424
	60,288	60,382	60,477	60,572	60,667	60,761	60,856	60,951	61,046	61,141	61,235	61,330
14	49,140	49,216	49,292	49,368	49,443	49,519	49,595	49,671	49,747	49,823	49,898	49,974
	56,511	56,598	56,685	56,773	56,860	56,947	57,034	57,121	57,209	57,296	57,383	57,470
	61,425	61,520	61,615	61,709	61,804	61,899	61,994	62,089	62,183	62,278	62,373	62,468
15	50,050	50,126	50,202	50,278	50,353	50,429	50,505	50,581	50,657	50,733	50,808	50,884
	57,558	57,645	57,732	57,819	57,906	57,994	58,081	58,168	58,255	58,342	58,430	58,517
	62,563	62,657	62,752	62,847	62,942	63,036	63,131	63,226	63,321	63,416	63,510	63,605
16	50,960	51,036	51,112	51,188	51,263	51,339	51,415	51,491	51,567	51,643	51,718	51,794
	58,604	58,691	58,778	58,866	58,953	59,040	59,127	59,214	59,302	59,389	59,476	59,563
	63,700	63,795	63,890	63,984	64,079	64,174	64,269	64,364	64,458	64,553	64,648	64,743
17	51,870	51,946	52,022	52,098	52,173	52,249	52,325	52,401	52,477	52,553	52,628	52,704
	59,651	59,738	59,825	59,912	59,999	60,087	60,174	60,261	60,348	60,435	60,523	60,610
	64,838	64,932	65,027	65,122	65,217	65,311	65,406	65,501	65,596	65,691	65,785	65,880
18	52,780											
	60,697											
	65,975											

* A set of tandem axles with spacing between axles of less than 3' - 6" is considered as a single axle.

APPENDIX 20
WEIGHT CHART (PLATE 25-5)

PURPLE AND BONUS OVERLOADS*

MAXIMUM PERMIT WEIGHT ON TANDEM AXLES = 60,000 POUNDS

Example: 8' - 0" Distance Between First and Last Axle in Feet

50,400
57,960
63,000

4 tires, 8' - 0" Wide
 8 tires, 8' - 0" Wide
 8 tires, 10' - 0" Wide

Purple Load = $1.5 \times 700 (L + 40)$
 Purple Load (+ 15%) = $1.15 \times 1.5 \times 700 (L + 40)$
 Purple Load (+ 25%) = $1.25 \times 1.5 \times 700 (L + 40)$

IN. FT.	0	1	2	3	4	5	6	7	8	9	10	11
2	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000
	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000
	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
3	28,000	28,000	28,000	28,000	28,000	45,675	45,763	45,850	45,938	46,025	46,113	
	32,200	32,200	32,200	32,200	32,200	52,526	52,627	52,728	52,828	52,929	53,029	
	35,000	35,000	35,000	35,000	35,000	57,094	57,203	57,313	57,422	57,531	57,641	
4	46,200	46,288	46,375	46,463	46,550	46,638	46,725	46,813	46,900	46,988	47,075	47,163
	53,130	53,231	53,331	53,432	53,533	53,633	53,734	53,834	53,935	54,036	54,136	54,237
	57,750	57,859	57,969	58,078	58,188	58,297	58,406	58,516	58,625	58,734	58,844	58,953
5	47,250	47,338	47,425	47,513	47,600	47,688	47,775	47,863	47,950	48,038	48,125	48,213
	54,338	54,438	54,539	54,639	54,740	54,841	54,941	55,042	55,143	55,243	55,344	55,444
	59,063	59,172	59,281	59,391	59,500	59,609	59,719	59,828	59,938	60,047	60,156	60,266
6	48,300	48,388	48,475	48,563	48,650	48,738	48,825	48,913	49,000	49,088	49,175	49,263
	55,545	55,646	55,746	55,847	55,948	56,048	56,149	56,249	56,350	56,451	56,551	56,652
	60,375	60,484	60,594	60,703	60,813	60,922	61,031	61,141	61,250	61,359	61,469	61,578
7	49,350	49,438	49,525	49,613	49,700	49,788	49,875	49,963	50,050	50,138	50,225	50,313
	56,753	56,853	56,954	57,054	57,155	57,256	57,356	57,457	57,558	57,658	57,759	57,859
	61,688	61,797	61,906	62,016	62,125	62,234	62,344	62,453	62,563	62,672	62,781	62,891
8	50,400	50,488	50,575	50,663	50,750	50,838	50,925	51,013	51,100	51,188	51,275	51,363
	57,960	58,061	58,161	58,262	58,363	58,463	58,564	58,664	58,765	58,866	58,966	59,067
	63,000	63,109	63,219	63,328	63,438	63,547	63,656	63,766	63,875	63,984	64,094	64,203
9	51,450	51,538	51,625	51,713	51,800	51,888	51,975	52,063	52,150	52,238	52,325	52,413
	59,168	59,268	59,369	59,469	59,570	59,671	59,771	59,872	59,973	60,073	60,174	60,274
	64,313	64,422	64,531	64,641	64,750	64,859	64,969	65,078	65,188	65,297	65,406	65,516
10	52,500	52,588	52,675	52,763	52,850	52,938	53,025	53,113	53,200	53,288	53,375	53,463
	60,375	60,476	60,576	60,677	60,778	60,878	60,979	61,079	61,180	61,281	61,381	61,482
	65,625	65,734	65,844	65,953	66,063	66,172	66,281	66,391	66,500	66,609	66,719	66,828
11	53,550	53,638	53,725	53,813	53,900	53,988	54,075	54,163	54,250	54,338	54,425	54,513
	61,583	61,683	61,784	61,884	61,985	62,086	62,186	62,287	62,388	62,488	62,589	62,689
	66,938	67,047	67,156	67,266	67,375	67,484	67,594	67,703	67,813	67,922	68,031	68,141
12	54,600	54,688	54,775	54,863	54,950	55,038	55,125	55,213	55,300	55,388	55,475	55,563
	62,790	62,891	62,991	63,092	63,193	63,293	63,394	63,494	63,595	63,696	63,796	63,897
	68,250	68,359	68,469	68,578	68,688	68,797	68,906	69,016	69,125	69,234	69,344	69,453
13	55,650	55,738	55,825	55,913	56,000	56,088	56,175	56,263	56,350	56,438	56,525	56,613
	63,998	64,098	64,199	64,299	64,400	64,501	64,601	64,702	64,803	64,903	65,004	65,104
	69,563	69,672	69,781	69,891	70,000	70,109	70,219	70,328	70,438	70,547	70,656	70,766
14	56,700	56,788	56,875	56,963	57,050	57,138	57,225	57,313	57,400	57,488	57,575	57,663
	65,205	65,306	65,406	65,507	65,608	65,708	65,809	65,909	66,010	66,111	66,211	66,312
	70,875	70,984	71,094	71,203	71,313	71,422	71,531	71,641	71,750	71,859	71,969	72,078
15	57,750	57,838	57,925	58,013	58,100	58,188	58,275	58,363	58,450	58,538	58,625	58,713
	66,413	66,513	66,614	66,714	66,815	66,916	67,016	67,117	67,218	67,318	67,419	67,519
	72,188	72,297	72,406	72,516	72,625	72,734	72,844	72,953	73,063	73,172	73,281	73,391
16	58,800	58,888	58,975	59,063	59,150	59,238	59,325	59,413	59,500	59,588	59,675	59,763
	67,620	67,721	67,821	67,922	68,023	68,123	68,224	68,324	68,425	68,526	68,626	68,727
	73,500	73,609	73,719	73,828	73,938	74,047	74,156	74,266	74,375	74,484	74,594	74,703
17	59,850	59,938	60,025	60,113	60,200	60,288	60,375	60,463	60,550	60,638	60,725	60,813
	68,828	68,928	69,029	69,129	69,230	69,331	69,431	69,532	69,633	69,733	69,834	69,934
	74,813	74,922	75,031	75,141	75,250	75,359	75,469	75,578	75,688	75,797	75,906	76,016
18	60,900											
	70,035											
	76,125											

* A set of tandem axles with spacing between axles of less than 3' - 6" is considered as a single axle.