

CA

California



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 motor truck 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 exceeding 80' long are exempt from the length laws. Loads may only consist of 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 inaccessible 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 lights 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.	
● 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.	

- 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. permissible 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')
- Escorts for route "E" classification determined by district permit engineer
- 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		
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:

- A) Multi-lane freeways and expressways - 2-lane w/12' lane + 4' shoulder or more
 B) 2-lane with 12' lane + any shoulder width 0' - 4'. Multi-lane freeways and expressways with substandard lanes
 C) 2-lane with 11' + any or no shoulder
 D) 2-lane with 10' lane + any or no shoulder (some less than 10' lane)
 E) 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 Kettle 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.

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:

Benica, 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

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 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000
3	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	24,000 27,600 30,000	39,585 45,523 49,481	39,661 45,610 49,576	39,737 45,697 49,671	39,813 45,784 49,766	39,888 45,872 49,860	39,964 45,959 49,955
4	40,040 46,046 50,050	40,116 46,133 50,145	40,192 46,220 50,240	40,268 46,308 50,334	40,343 46,395 50,429	40,419 46,482 50,524	40,495 46,569 50,619	40,571 46,656 50,714	40,647 46,744 50,808	40,723 46,831 50,903	40,798 46,918 50,998	40,874 47,005 51,093
5	40,950 47,093 51,188	41,026 47,180 51,282	41,102 47,267 51,377	41,178 47,354 51,472	41,253 47,441 51,567	41,329 47,529 51,661	41,405 47,616 51,756	41,481 47,703 51,851	41,557 47,790 51,946	41,633 47,877 52,041	41,708 47,965 52,135	41,784 48,052 52,230
6	41,860 48,139 52,325	41,936 48,226 52,420	42,012 48,313 52,515	42,088 48,401 52,609	42,163 48,488 52,704	42,239 48,575 52,799	42,315 48,662 52,894	42,391 48,749 52,989	42,467 48,837 53,083	42,543 48,924 53,178	42,618 49,011 53,273	42,694 49,098 53,368
7	42,770 49,186 53,463	42,846 49,273 53,557	42,922 49,360 53,652	42,998 49,447 53,747	43,073 49,534 53,842	43,149 49,622 53,936	43,225 49,709 54,031	43,301 49,796 54,126	43,377 49,883 54,221	43,453 49,970 54,316	43,528 50,058 54,410	43,604 50,145 54,505
8	43,680 50,232 54,600	43,756 50,319 54,695	43,832 50,406 54,790	43,908 50,494 54,884	43,983 50,581 54,979	44,059 50,668 55,074	44,135 50,755 55,169	44,211 50,842 55,264	44,287 50,930 55,358	44,363 51,017 55,453	44,438 51,104 55,548	44,514 51,191 55,643
9	44,590 51,279 55,738	44,666 51,366 55,832	44,742 51,453 55,927	44,818 51,540 56,022	44,893 51,627 56,117	44,969 51,715 56,211	45,045 51,802 56,306	45,121 51,889 56,401	45,197 51,976 56,496	45,273 52,063 56,591	45,348 52,151 56,685	45,424 52,238 56,780
10	45,500 52,325 56,875	45,576 52,412 56,970	45,652 52,499 57,065	45,728 52,587 57,159	45,803 52,674 57,254	45,879 52,761 57,349	45,955 52,848 57,444	46,031 52,935 57,539	46,107 53,023 57,633	46,183 53,110 57,728	46,258 53,197 57,823	46,334 53,284 57,918
11	46,410 53,372 58,013	46,486 53,459 58,107	46,562 53,546 58,202	46,638 53,633 58,297	46,713 53,720 58,392	46,789 53,808 58,486	46,865 53,895 58,581	46,941 53,982 58,676	47,017 54,069 58,771	47,093 54,156 58,866	47,168 54,244 58,960	47,244 54,331 59,055
12	47,320 54,418 59,150	47,396 54,505 59,245	47,472 54,592 59,340	47,548 54,680 59,434	47,623 54,767 59,529	47,699 54,854 59,624	47,775 54,941 59,719	47,851 55,028 59,814	47,927 55,116 59,908	48,003 55,203 60,003	48,078 55,290 60,098	48,154 55,377 60,193
13	48,230 55,465 60,288	48,306 55,552 60,382	48,382 55,639 60,477	48,458 55,726 60,572	48,533 55,813 60,667	48,609 55,901 60,761	48,685 55,988 60,856	48,761 56,075 60,951	48,837 56,162 61,046	48,913 56,249 61,141	48,988 56,337 61,235	49,064 56,424 61,330
14	49,140 56,511 61,425	49,216 56,598 61,520	49,292 56,685 61,615	49,368 56,773 61,709	49,443 56,860 61,804	49,519 56,947 61,899	49,595 57,034 61,994	49,671 57,121 62,089	49,747 57,209 62,183	49,823 57,296 62,278	49,898 57,383 62,373	49,974 57,470 62,468
15	50,050 57,558 62,563	50,126 57,645 62,657	50,202 57,732 62,752	50,278 57,819 62,847	50,353 57,906 62,942	50,429 57,994 63,036	50,505 58,081 63,131	50,581 58,168 63,226	50,657 58,255 63,321	50,733 58,342 63,416	50,808 58,430 63,510	50,884 58,517 63,605
16	50,960 58,604 63,700	51,036 58,691 63,795	51,112 58,778 63,890	51,188 58,866 63,984	51,263 58,953 64,079	51,339 59,040 64,174	51,415 59,127 64,269	51,491 59,214 64,364	51,567 59,302 64,458	51,643 59,389 64,553	51,718 59,476 64,648	51,794 59,563 64,743
17	51,870 59,651 64,838	51,946 59,738 64,932	52,022 59,825 65,027	52,098 59,912 65,122	52,173 59,999 65,217	52,249 60,087 65,311	52,325 60,174 65,406	52,401 60,261 65,501	52,477 60,348 65,596	52,553 60,435 65,691	52,628 60,523 65,785	52,704 60,610 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 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000	28,000 32,000 35,000
3	28,000 32,200 35,000	28,000 32,200 35,000	28,000 32,200 35,000	28,000 32,200 35,000	28,000 32,200 35,000	28,000 32,200 35,000	45,675 52,526 57,094	45,763 52,627 57,203	45,850 52,728 57,313	45,938 52,828 57,422	46,025 52,929 57,531	46,113 53,029 57,641
4	46,200 53,130 57,750	46,288 53,231 57,859	46,375 53,331 57,969	46,463 53,432 58,078	46,550 53,533 58,188	46,638 53,633 58,297	46,725 53,734 58,406	46,813 53,834 58,516	46,900 53,935 58,625	46,988 54,036 58,734	47,075 54,136 58,844	47,163 54,237 58,953
5	47,250 54,338 59,063	47,338 54,438 59,172	47,425 54,539 59,281	47,513 54,639 59,391	47,600 54,740 59,500	47,688 54,841 59,609	47,775 54,941 59,719	47,863 55,042 59,828	47,950 55,143 59,938	48,038 55,243 60,047	48,125 55,344 60,156	48,213 55,444 60,266
6	48,300 55,545 60,375	48,388 55,646 60,484	48,475 55,746 60,594	48,563 55,847 60,703	48,650 55,948 60,813	48,738 56,048 60,922	48,825 56,149 61,031	48,913 56,249 61,141	49,000 56,350 61,250	49,088 56,451 61,359	49,175 56,551 61,469	49,263 56,652 61,578
7	49,350 56,753 61,688	49,438 56,853 61,797	49,525 56,954 61,906	49,613 57,054 62,016	49,700 57,155 62,125	49,788 57,256 62,234	49,875 57,356 62,344	49,963 57,457 62,453	50,050 57,558 62,563	50,138 57,658 62,672	50,225 57,759 62,781	50,313 57,859 62,891
8	50,400 57,960 63,000	50,488 58,061 63,109	50,575 58,161 63,219	50,663 58,262 63,328	50,750 58,363 63,438	50,838 58,463 63,547	50,925 58,564 63,656	51,013 58,664 63,766	51,100 58,765 63,875	51,188 58,866 63,984	51,275 58,966 64,094	51,363 59,067 64,203
9	51,450 59,168 64,313	51,538 59,268 64,422	51,625 59,369 64,531	51,713 59,469 64,641	51,800 59,570 64,750	51,888 59,671 64,859	51,975 59,771 64,969	52,063 59,872 65,078	52,150 59,973 65,188	52,238 60,073 65,297	52,325 60,174 65,406	52,413 60,274 65,516
10	52,500 60,375 65,625	52,588 60,476 65,734	52,675 60,576 65,844	52,763 60,677 65,953	52,850 60,778 66,063	52,938 60,878 66,172	53,025 60,979 66,281	53,113 61,079 66,391	53,200 61,180 66,500	53,288 61,281 66,609	53,375 61,381 66,719	53,463 61,482 66,828
11	53,550 61,583 66,938	53,638 61,683 67,047	53,725 61,784 67,156	53,813 61,884 67,266	53,900 61,985 67,375	53,988 62,086 67,484	54,075 62,186 67,594	54,163 62,287 67,703	54,250 62,388 67,813	54,338 62,488 67,922	54,425 62,589 68,031	54,513 62,689 68,141
12	54,600 62,790 68,250	54,688 62,891 68,359	54,775 62,991 68,469	54,863 63,092 68,578	54,950 63,193 68,688	55,038 63,293 68,797	55,125 63,394 68,906	55,213 63,494 69,016	55,300 63,595 69,125	55,388 63,696 69,234	55,475 63,796 69,344	55,563 63,897 69,453
13	55,650 63,998 69,563	55,738 64,098 69,672	55,825 64,199 69,781	55,913 64,299 69,891	56,000 64,400 70,000	56,088 64,501 70,109	56,175 64,601 70,219	56,263 64,702 70,328	56,350 64,803 70,438	56,438 64,903 70,547	56,525 65,004 70,656	56,613 65,104 70,766
14	56,700 65,205 70,875	56,788 65,306 70,984	56,875 65,406 71,094	56,963 65,507 71,203	57,050 65,608 71,313	57,138 65,708 71,422	57,225 65,809 71,531	57,313 65,909 71,641	57,400 66,010 71,750	57,488 66,111 71,859	57,575 66,211 71,969	57,663 66,312 72,078
15	57,750 66,413 72,188	57,838 66,513 72,297	57,925 66,614 72,406	58,013 66,714 72,516	58,100 66,815 72,625	58,188 66,916 72,734	58,275 67,016 72,844	58,363 67,117 72,953	58,450 67,218 73,063	58,538 67,318 73,172	58,625 67,419 73,281	58,713 67,519 73,391
16	58,800 67,620 73,500	58,888 67,721 73,609	58,975 67,821 73,719	59,063 67,922 73,828	59,150 68,023 73,938	59,238 68,123 74,047	59,325 68,224 74,156	59,413 68,324 74,266	59,500 68,425 74,375	59,588 68,526 74,484	59,675 68,626 74,594	59,763 68,727 74,703
17	59,850 68,828 74,813	59,938 68,928 74,922	60,025 69,029 75,031	60,113 69,129 75,141	60,200 69,230 75,250	60,288 69,331 75,359	60,375 69,431 75,469	60,463 69,532 75,578	60,550 69,633 75,688	60,638 69,733 75,797	60,725 69,834 75,906	60,813 69,934 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.