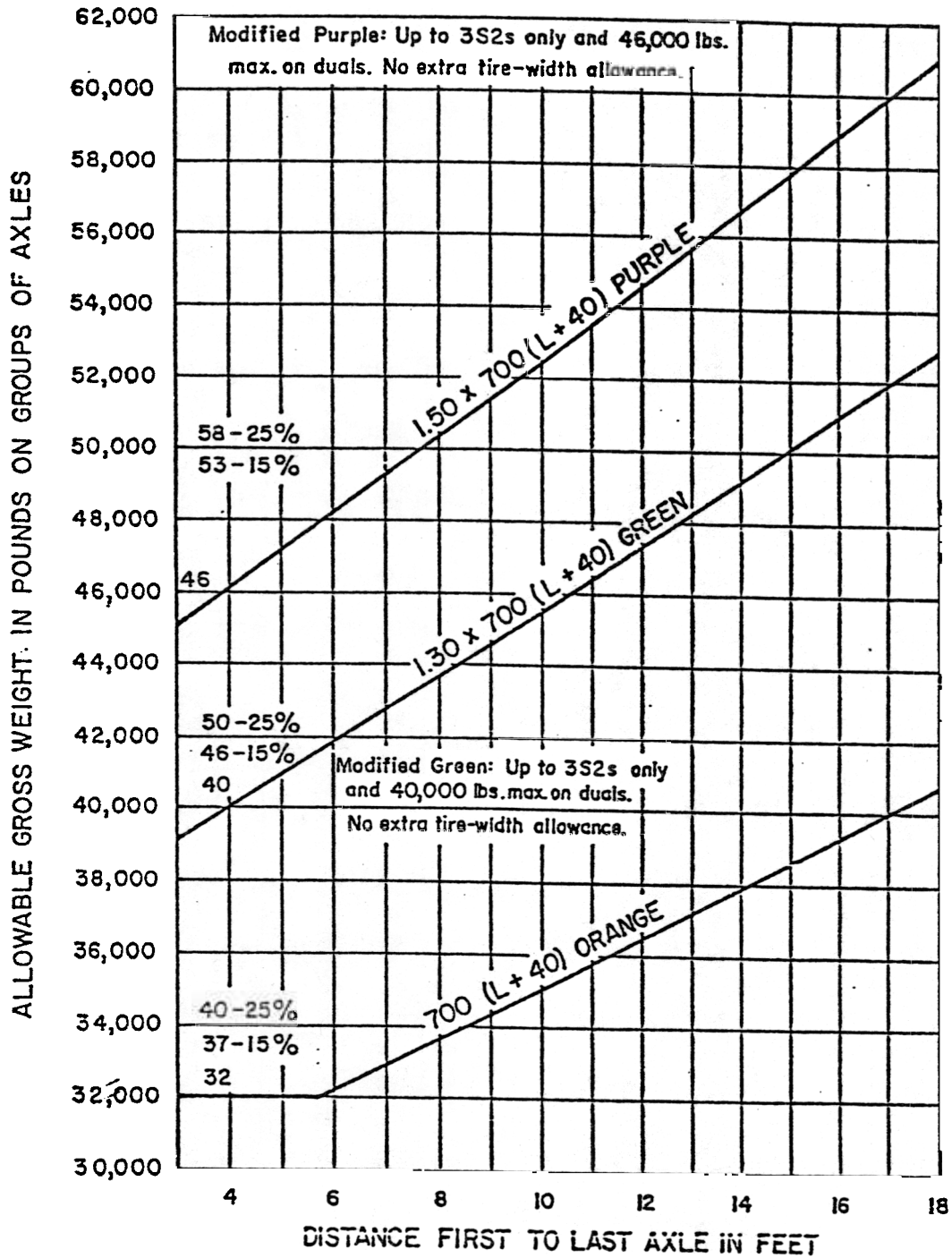


APPENDIX 20 WEIGHT CHART (PLATE 25-1)

The maximum weight permitted on a tire shall be 800 pounds per linear inch of tread width. The width shall be the maximum inflated width as specified on the tire by the manufacturer, or as measured, if less.



For vehicles with 8 tires per axle:

1. If gage is 8' ----- Add 15%
2. If gage is 10' or more -- Add 25%

Single Axle

Purple	28,000
Green	24,000
Orange	20,000

APPENDIX 20
WEIGHT CHART (PLATE 25-2)

NO LONGER USED

NO LONGER USED

NO LONGER USED

NO LONGER USED

NO LONGER USED

NO LONGER USED

NO LONGER USED

NO LONGER USED

NO LONGER USED

NO LONGER USED

APPENDIX 20 WEIGHT CHART (PLATE 25-3)

MAXIMUM PERMIT WEIGHT ON TANDEM AXLES = 42,800 POUNDS

PLATE - 25-3

ORANGE AND BONUS OVERLOADS*

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

33,600
38,640
42,000

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

Orange Load = $700(L + 40)$ (Min. = 32,000)
Orange Load (+ 15%) = $1.15 \times 700(L + 40)$ (Min. = 36,800)
Orange Load (+ 25%) = $1.25 \times 700(L + 40)$ (Min. = 40,000)

IN. FT. \	0	1	2	3	4	5	6	7	8	9	10	11
2	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000
	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
3	20,000	20,000	20,000	20,000	20,000	20,000	32,000	32,000	32,000	32,000	32,000	32,000
	23,000	23,000	23,000	23,000	23,000	23,000	36,800	36,800	36,800	36,800	36,800	36,800
	25,000	25,000	25,000	25,000	25,000	25,000	40,000	40,000	40,000	40,000	40,000	40,000
4	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000
	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,800
	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
5	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,025	32,083	32,142
	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,800	36,829	36,989	36,963
	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,031	40,104	40,177
6	32,200	32,258	32,317	32,375	32,433	32,492	32,550	32,608	32,667	32,725	32,783	32,842
	37,030	37,097	37,164	37,231	37,298	37,366	37,432	37,499	37,567	37,634	37,701	37,768
	40,250	40,323	40,396	40,469	40,541	40,615	40,688	40,760	40,834	40,906	40,979	41,052
7	32,900	32,958	33,017	33,075	33,133	33,192	33,250	33,308	33,367	33,425	33,483	33,542
	37,835	37,902	37,969	38,036	38,103	38,171	38,237	38,304	38,372	38,439	38,506	38,573
	41,125	41,198	41,271	41,344	41,416	41,490	41,563	41,635	41,709	41,781	41,854	41,927
8	33,600	33,658	33,717	33,775	33,833	33,892	33,950	34,008	34,067	34,125	34,183	34,242
	38,640	38,707	38,774	38,841	38,908	38,976	39,043	39,109	39,177	39,244	39,311	39,378
	42,000	42,073	42,146	42,219	42,291	42,365	42,438	42,510	42,584	42,656	42,729	42,802
9	34,300	34,358	34,417	34,475	34,533	34,592	34,650	34,708	34,767	34,825	34,883	34,942
	39,445	39,512	39,579	39,646	39,713	39,781	39,848	39,914	39,982	40,049	40,116	40,183
	42,875	42,948	43,021	43,094	43,166	43,240	43,313	43,385	43,459	43,531	43,604	43,677
10	35,000	35,058	35,117	35,175	35,233	35,292	35,350	35,408	35,467	35,525	35,583	35,642
	40,250	40,317	40,384	40,451	40,518	40,586	40,653	40,719	40,787	40,854	40,921	40,988
	43,750	43,823	43,896	43,969	44,041	44,115	44,188	44,260	44,334	44,406	44,479	44,552
11	35,700	35,758	35,817	35,875	35,933	35,992	36,050	36,108	36,167	36,225	36,283	36,342
	41,055	41,122	41,189	41,256	41,323	41,391	41,457	41,524	41,592	41,659	41,726	41,793
	44,625	44,698	44,771	44,844	44,916	44,990	45,063	45,135	45,209	45,281	45,354	45,427
12	36,400	36,458	36,517	36,575	36,633	36,692	36,750	36,808	36,867	36,925	36,983	37,042
	41,860	41,927	41,994	42,061	42,128	42,195	42,263	42,329	42,397	42,464	42,531	42,598
	45,500	45,573	45,646	45,719	45,791	45,865	45,938	46,010	46,084	46,156	46,229	46,302
13	37,100	37,158	37,217	37,275	37,333	37,392	37,450	37,508	37,567	37,625	37,683	37,742
	42,665	42,732	42,799	42,866	42,933	43,001	43,068	43,134	43,202	43,269	43,336	43,403
	46,375	46,448	46,521	46,594	46,666	46,740	46,813	46,885	46,959	47,031	47,104	47,177
14	37,800	37,858	37,917	37,975	38,033	38,092	38,150	38,208	38,267	38,325	38,383	38,442
	43,470	43,537	43,604	43,671	43,738	43,806	43,873	43,939	44,007	44,074	44,141	44,208
	47,250	47,323	47,396	47,469	47,541	47,615	47,688	47,760	47,834	47,906	47,979	48,052
15	38,500	38,558	38,617	38,675	38,733	38,792	38,850	38,908	38,967	39,025	39,083	39,142
	44,275	44,342	44,409	44,476	44,543	44,611	44,678	44,744	44,812	44,879	44,946	45,013
	48,125	48,198	48,271	48,344	48,416	48,490	48,563	48,635	48,709	48,781	48,854	48,927
16	39,200	39,258	39,317	39,375	39,433	39,492	39,550	39,608	39,667	39,725	39,783	39,842
	45,080	45,147	45,214	45,281	45,348	45,416	45,483	45,549	45,617	45,684	45,751	45,818
	49,000	49,073	49,146	49,219	49,291	49,365	49,438	49,510	49,584	49,656	49,729	49,802
17	39,900	39,958	40,017	40,075	40,133	40,192	40,250	40,308	40,367	40,425	40,483	40,542
	45,885	45,952	46,019	46,086	46,153	46,221	46,288	46,354	46,422	46,489	46,556	46,623
	49,875	49,948	50,021	50,094	50,166	50,240	50,312	50,385	50,459	50,531	50,604	50,677
18	40,600											
	46,690											
	50,750											

* A set of tandem axles with spacing between axles of less than 3.5' is considered as a single axle.

APPENDIX 20 WEIGHT CHART (PLATE 25-4)

MAXIMUM PERMIT WEIGHT ON TANDEM AXLES = 52,000 POUNDS

PLATE 25-4

GREEN AND BONUS OVERLOADS*

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 x 700 (L + 40)
Green Load (+ 15%) = 1.15 x 1.3 x 700 (L + 40)
Green Load (+ 25%) = 1.25 x 1.3 x 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	39,561 45,510 49,576	39,737 45,658 49,671	39,812 45,784 49,766	39,883 45,871 49,860	39,964 45,959 49,955
4	40,040 46,046 50,050	40,116 46,133 50,144	40,192 46,221 50,240	40,267 46,308 50,334	40,343 46,394 50,429	40,419 46,482 50,524	40,495 46,569 50,619	40,571 46,656 50,713	40,647 46,744 50,809	40,722 46,831 50,903	40,798 46,918 50,998	40,874 47,006 51,093
5	40,950 47,092 51,187	41,026 47,179 51,282	41,102 47,267 51,377	41,177 47,354 51,472	41,253 47,441 51,566	41,329 47,529 51,662	41,405 47,616 51,756	41,481 47,703 51,851	41,557 47,791 51,946	41,632 47,877 52,041	41,708 47,964 52,135	41,784 48,052 52,231
6	41,860 48,139 52,325	41,936 48,226 52,419	42,012 48,314 52,515	42,087 48,401 52,609	42,163 48,487 52,704	42,239 48,575 52,799	42,315 48,662 52,894	42,391 48,749 52,988	42,467 48,837 53,084	42,542 48,924 53,178	42,618 49,011 53,273	42,694 49,099 53,368
7	42,770 49,185 53,462	42,846 49,272 53,557	42,922 49,360 53,652	42,997 49,447 53,747	43,073 49,534 53,841	43,149 49,622 53,937	43,225 49,709 54,031	43,301 49,796 54,125	43,377 49,884 54,221	43,452 49,970 54,316	43,528 50,057 54,410	43,604 50,145 54,506
8	43,680 50,232 54,600	43,756 50,319 54,694	43,832 50,407 54,790	43,907 50,494 54,884	43,983 50,580 54,979	44,059 50,669 55,074	44,135 50,755 55,169	44,211 50,842 55,263	44,287 50,930 55,359	44,362 51,017 55,453	44,438 51,104 55,548	
9	44,590 51,278 55,737	44,666 51,365 55,832	44,742 51,453 55,927	44,817 51,540 56,022	44,893 51,627 56,116	44,969 51,715 56,212	45,045 51,802 56,306	45,121 51,889 56,401	45,197 51,977 56,496	45,272 52,063 56,591	45,348 52,150 56,685	
10	45,500 52,325 56,875	45,576 52,412 56,969	45,652 52,500 57,065	45,727 52,587 57,159	45,803 52,673 57,254	45,879 52,761 57,349	45,955 52,848 57,444	46,031 52,935 57,538	46,107 53,022 57,633	46,182 53,110 57,728	46,258 53,197 57,823	46,334 53,285 57,918
11	46,410 53,371 58,012	46,486 53,458 58,107	46,562 53,546 58,202	46,638 53,634 58,298	46,713 53,715 58,386	46,789 53,808 58,487	46,865 53,895 58,581	46,941 53,982 58,676	47,017 54,070 58,771	47,092 54,156 58,866	47,168 54,243 58,960	47,244 54,331 59,056
12	47,320 54,418 59,150	47,396 54,505 59,244	47,472 54,593 59,340	47,547 54,680 59,434	47,623 54,766 59,529	47,699 54,854 59,624	47,775 54,941 59,719	47,851 55,028 59,813	47,927 55,116 59,909	48,002 55,203 60,003		
13	48,230 55,464 60,287	48,306 55,551 60,382	48,382 55,639 60,477	48,457 55,726 60,572	48,533 55,813 60,666	48,609 55,901 60,762	48,685 55,988 60,856	48,761 56,075 60,951	48,837 56,163 61,046			
14	49,140 56,511 61,425	49,216 56,598 61,519	49,292 56,686 61,615	49,367 56,773 61,709	49,443 56,859 61,804	49,519 56,947 61,899	49,595 57,034 61,994	49,671 57,121 62,088	49,747 57,209 62,184			
15	50,050 57,557 62,562	50,126 57,644 62,657	50,202 57,732 62,752	50,277 57,819 62,847	50,353 57,906 62,941	50,429 57,994 63,037	50,505 58,081 63,131	50,581 58,168 63,226	50,657 58,256 63,321	50,732 58,342 63,416		
16	50,960 58,604 63,700	51,036 58,691 63,794	51,112 58,779 63,890	51,187 58,866 63,984	51,263 58,952 64,079	51,339 59,040 64,174	51,415 59,127 64,269	51,491 59,214 64,363	51,567 59,302 64,459	51,642 59,389 64,553		
17	51,870 59,650 64,837	51,946 59,737 64,932	52,022 59,825 65,027	52,097 59,912 65,122	52,173 59,999 65,216	52,249 60,087 65,312	52,325 60,174 65,406	52,401 60,261 65,501	52,477 60,349 65,596	52,552 60,435 65,691	52,628 60,522 65,785	52,704 60,610 65,881
18	52,780 60,697 65,975											

*A set of tandem axles with spacing between axles of less than 3.5' is considered as a single axle.

APPENDIX 20 WEIGHT CHART (PLATE 25-5)

MAXIMUM PERMIT WEIGHT ON TANDEM AXLES = 60,000 POUNDS

PLATE 25-5

PURPLE AND BONUS OVERLOADS*

Example: 8'-0" First to 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 x 700 (L + 40)
Purple Load (+15%) = 1.15 x 1.5 x 700 (L + 40)
Purple Load (+25%) = 1.25 x 1.5 x 700 (L + 40)

IN. FT.	0	1	2	3	4	5	6	7	8	9	10	11
2	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	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
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	45,875 52,526 57,094	45,762 52,626 57,203	45,850 52,728 57,313	45,937 52,828 57,422	46,025 52,928 57,531	46,113 53,030 57,641
4	46,200 53,130 57,750	46,287 53,230 57,859	46,375 53,332 57,969	46,462 53,432 58,078	46,550 53,532 58,187	46,638 53,634 58,297	46,725 53,734 58,406	46,812 53,834 58,515	46,900 53,935 58,625	46,987 54,036 58,734	47,075 54,136 58,843	47,163 54,237 58,954
5	47,250 54,338 59,062	47,337 54,438 59,171	47,425 54,539 59,282	47,512 54,639 59,391	47,600 54,740 59,500	47,688 54,841 59,610	47,775 54,942 59,719	47,862 55,041 59,828	47,950 55,143 59,938	48,037 55,243 60,047	48,125 55,343 60,156	48,213 55,445 60,265
6	48,300 55,545 60,375	48,387 55,645 60,484	48,475 55,747 60,594	48,562 55,847 60,703	48,650 55,947 60,812	48,738 56,049 60,922	48,825 56,149 61,031	48,912 56,249 61,140	49,000 56,350 61,250	49,087 56,451 61,359	49,175 56,551 61,468	49,263 56,652 61,579
7	49,350 56,732 61,687	49,437 56,833 61,796	49,525 56,934 61,907	49,612 57,034 62,016	49,700 57,135 62,125	49,788 57,236 62,235	49,875 57,336 62,344	49,962 57,436 62,453	50,050 57,538 62,563	50,137 57,638 62,672	50,225 57,738 62,781	50,313 57,839 62,891
8	50,400 57,960 63,000	50,487 58,060 63,109	50,575 58,162 63,219	50,662 58,262 63,328	50,750 58,362 63,437	50,838 58,464 63,547	50,925 58,564 63,656	51,012 58,664 63,765	51,100 58,765 63,875	51,187 58,866 63,984	51,275 58,966 64,093	51,363 59,067 64,204
9	51,450 59,168 64,312	51,537 59,268 64,421	51,625 59,369 64,532	51,712 59,469 64,641	51,800 59,570 64,750	51,888 59,671 64,860	51,975 59,771 64,969	52,062 59,871 65,078	52,150 59,973 65,188	52,238 60,073 65,297	52,325 60,173 65,406	52,413 60,275 65,516
10	52,500 60,375 65,625	52,587 60,475 65,734	52,675 60,577 65,844	52,762 60,677 65,953	52,850 60,777 66,062	52,938 60,879 66,172	53,025 60,979 66,281	53,112 61,079 66,390	53,200 61,180 66,500	53,288 61,281 66,609	53,375 61,381 66,718	53,463 61,482 66,829
11	53,550 61,563 66,938	53,637 61,663 67,046	53,725 61,764 67,157	53,812 61,864 67,266	53,900 61,965 67,375	53,988 62,066 67,485	54,075 62,166 67,594	54,162 62,266 67,703	54,250 62,368 67,813	54,338 62,468 67,922	54,425 62,568 68,031	54,513 62,669 68,141
12	54,600 62,790 68,250	54,687 62,890 68,359	54,775 62,992 68,469	54,862 63,092 68,578	54,950 63,192 68,687	55,038 63,294 68,797	55,125 63,394 68,906	55,212 63,494 69,015	55,300 63,595 69,125	55,388 63,696 69,234	55,475 63,796 69,343	55,563 63,897 69,454
13	55,650 63,998 69,562	55,737 64,098 69,671	55,825 64,199 69,782	55,912 64,299 69,891	56,000 64,400 70,000	56,088 64,501 70,110	56,175 64,601 70,219	56,262 64,701 70,328	56,350 64,803 70,438	56,438 64,903 70,547	56,525 65,003 70,656	56,613 65,105 70,765
14	56,700 65,205 70,875	56,787 65,305 70,984	56,875 65,407 71,094	56,962 65,507 71,203	57,050 65,607 71,312	57,138 65,709 71,422	57,225 65,809 71,531	57,312 65,909 71,640	57,400 66,010 71,750	57,488 66,111 71,859	57,575 66,211 71,968	57,663 66,312 72,079
15	57,750 66,412 72,188	57,837 66,513 72,296	57,925 66,614 72,407	58,012 66,714 72,516	58,100 66,815 72,625	58,188 66,916 72,735	58,275 67,016 72,844	58,362 67,116 72,953	58,450 67,218 73,063	58,538 67,318 73,172	58,625 67,418 73,281	58,713 67,520 73,391
16	58,800 67,620 73,500	58,887 67,720 73,609	58,975 67,822 73,719	59,062 67,922 73,828	59,150 68,022 73,937	59,238 68,124 74,047	59,325 68,224 74,156	59,412 68,324 74,265	59,500 68,425 74,375	59,588 68,526 74,484	59,675 68,626 74,593	59,763 68,727 74,704
17	59,850 68,828 74,812	59,937 68,928 74,921	60,025 69,029 75,032	60,112 69,129 75,141	60,200 69,230 75,250	60,288 69,331 75,360	60,375 69,431 75,469	60,462 69,531 75,578	60,550 69,633 75,688	60,638 69,733 75,797	60,725 69,833 75,905	60,813 69,935 76,016
18	60,900 70,035 76,125											

* A set of tandem axles with spacing between axles of less than 3.5' is considered as a single axle.