

## 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 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	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000
3	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000
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
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
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
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
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
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
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
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
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
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
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
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
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
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
18	60,900	60,935										

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