

## APPENDIX 20

### WEIGHT CHART (PLATE 25-3)

**ORANGE AND BONUS OVERLOADS\***  
 MAXIMUM PERMIT WEIGHT ON TANDEM AXLES = 42,800 POUNDS

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 x 700 (L + 40) [Min. = 36,800]  
 Orange Load (+ 25%) = 1.25 x 700 (L + 40) [Min. = 40,000]

| IN.<br>FT. | 0                          | 1                          | 2                          | 3                          | 4                          | 5                          | 6                          | 7                          | 8                          | 9                          | 10                         | 11                         |
|------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 2          | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 |
| 3          | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 20,000<br>23,000<br>25,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 |
| 4          | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 |
| 5          | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,000<br>36,800<br>40,000 | 32,025<br>36,829<br>40,031 | 32,083<br>36,896<br>40,104 | 32,142<br>36,963<br>40,177 |
| 6          | 32,200<br>37,030<br>40,250 | 32,258<br>37,097<br>40,323 | 32,317<br>37,164<br>40,396 | 32,375<br>37,231<br>40,469 | 32,433<br>37,298<br>40,542 | 32,492<br>37,365<br>40,615 | 32,550<br>37,433<br>40,688 | 32,608<br>37,500<br>40,760 | 32,667<br>37,567<br>40,833 | 32,725<br>37,634<br>40,906 | 32,783<br>37,701<br>40,979 | 32,842<br>37,768<br>41,052 |
| 7          | 32,900<br>37,835<br>41,125 | 32,958<br>37,902<br>41,198 | 33,017<br>37,969<br>41,271 | 33,075<br>38,036<br>41,344 | 33,133<br>38,103<br>41,417 | 33,192<br>38,170<br>41,490 | 33,250<br>38,238<br>41,563 | 33,308<br>38,305<br>41,635 | 33,367<br>38,372<br>41,708 | 33,425<br>38,439<br>41,781 | 33,483<br>38,506<br>41,854 | 33,542<br>38,573<br>41,927 |
| 8          | 33,600<br>38,640<br>42,000 | 33,658<br>38,707<br>42,073 | 33,717<br>38,774<br>42,146 | 33,775<br>38,841<br>42,219 | 33,833<br>38,908<br>42,292 | 33,892<br>38,975<br>42,365 | 33,950<br>39,043<br>42,438 | 34,008<br>39,110<br>42,510 | 34,067<br>39,177<br>42,583 | 34,125<br>39,244<br>42,656 | 34,183<br>39,311<br>42,729 | 34,242<br>39,378<br>42,802 |
| 9          | 34,300<br>39,445<br>42,875 | 34,358<br>39,512<br>42,948 | 34,417<br>39,579<br>43,021 | 34,475<br>39,646<br>43,094 | 34,533<br>39,713<br>43,167 | 34,592<br>39,780<br>43,240 | 34,650<br>39,848<br>43,313 | 34,708<br>39,915<br>43,385 | 34,767<br>39,982<br>43,458 | 34,825<br>40,049<br>43,531 | 34,883<br>40,116<br>43,604 | 34,942<br>40,183<br>43,677 |
| 10         | 35,000<br>40,250<br>43,750 | 35,058<br>40,317<br>43,823 | 35,117<br>40,384<br>43,896 | 35,175<br>40,451<br>43,969 | 35,233<br>40,518<br>44,042 | 35,292<br>40,585<br>44,115 | 35,350<br>40,653<br>44,188 | 35,408<br>40,720<br>44,260 | 35,467<br>40,787<br>44,333 | 35,525<br>40,854<br>44,406 | 35,583<br>40,921<br>44,479 | 35,642<br>40,988<br>44,552 |
| 11         | 35,700<br>41,055<br>44,625 | 35,758<br>41,122<br>44,698 | 35,817<br>41,189<br>44,771 | 35,875<br>41,256<br>44,844 | 35,933<br>41,323<br>44,917 | 35,992<br>41,390<br>44,990 | 36,050<br>41,458<br>45,063 | 36,108<br>41,525<br>45,135 | 36,167<br>41,592<br>45,208 | 36,225<br>41,659<br>45,281 | 36,283<br>41,726<br>45,354 | 36,342<br>41,793<br>45,427 |
| 12         | 36,400<br>41,860<br>45,500 | 36,458<br>41,927<br>45,573 | 36,517<br>41,994<br>45,646 | 36,575<br>42,061<br>45,719 | 36,633<br>42,128<br>45,792 | 36,692<br>42,195<br>45,865 | 36,750<br>42,263<br>45,938 | 36,808<br>42,330<br>46,010 | 36,867<br>42,397<br>46,083 | 36,925<br>42,464<br>46,156 | 36,983<br>42,531<br>46,229 | 37,042<br>42,598<br>46,302 |
| 13         | 37,100<br>42,665<br>46,375 | 37,158<br>42,732<br>46,448 | 37,217<br>42,799<br>46,521 | 37,275<br>42,866<br>46,594 | 37,333<br>42,933<br>46,667 | 37,392<br>43,000<br>46,740 | 37,450<br>43,068<br>46,813 | 37,508<br>43,135<br>46,885 | 37,567<br>43,202<br>46,958 | 37,625<br>43,269<br>47,031 | 37,683<br>43,336<br>47,104 | 37,742<br>43,403<br>47,177 |
| 14         | 37,800<br>43,470<br>47,250 | 37,858<br>43,537<br>47,323 | 37,917<br>43,604<br>47,396 | 37,975<br>43,671<br>47,469 | 38,033<br>43,738<br>47,542 | 38,092<br>43,805<br>47,615 | 38,150<br>43,873<br>47,688 | 38,208<br>43,940<br>47,760 | 38,267<br>44,007<br>47,833 | 38,325<br>44,074<br>47,906 | 38,383<br>44,141<br>47,979 | 38,442<br>44,208<br>48,052 |
| 15         | 38,500<br>44,275<br>48,125 | 38,558<br>44,342<br>48,198 | 38,617<br>44,409<br>48,271 | 38,675<br>44,476<br>48,344 | 38,733<br>44,543<br>48,417 | 38,792<br>44,610<br>48,490 | 38,850<br>44,678<br>48,563 | 38,908<br>44,745<br>48,635 | 38,967<br>44,812<br>48,708 | 39,025<br>44,879<br>48,781 | 39,083<br>44,946<br>48,854 | 39,142<br>45,013<br>48,927 |
| 16         | 39,200<br>45,080<br>49,000 | 39,258<br>45,147<br>49,073 | 39,317<br>45,214<br>49,146 | 39,375<br>45,281<br>49,219 | 39,433<br>45,348<br>49,292 | 39,492<br>45,415<br>49,365 | 39,550<br>45,483<br>49,438 | 39,608<br>45,550<br>49,510 | 39,667<br>45,617<br>49,583 | 39,725<br>45,684<br>49,656 | 39,783<br>45,751<br>49,729 | 39,842<br>45,818<br>49,802 |
| 17         | 39,900<br>45,885<br>49,875 | 39,958<br>45,952<br>49,948 | 40,017<br>46,019<br>50,021 | 40,075<br>46,086<br>50,094 | 40,133<br>46,153<br>50,167 | 40,192<br>46,220<br>50,240 | 40,250<br>46,288<br>50,313 | 40,308<br>46,355<br>50,385 | 40,367<br>46,422<br>50,458 | 40,425<br>46,489<br>50,531 | 40,483<br>46,556<br>50,604 | 40,542<br>46,623<br>50,677 |
| 18         | 40,600<br>46,690<br>50,750 |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |

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