



= 12,000 lb Truck Tire 445/65/22.5

$$\rightarrow M = Pa = 12,000\#(2.8') = 33.48 \text{ K}\cdot\text{ft}$$

$$f_b = \frac{33.48(12)}{288} = 1400 \text{ psi} +/-$$

$\rightarrow$  Mats are in 4' sections  
bolted together w/ 5 bolts  
per mat.

$\rightarrow$  I am assuming 2 12"  
timbers would carry each  
tire load:

$$f_b \approx 700 \text{ psi}$$