

Type III Barricade Weight

For more information:

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What was the challenge you set out to solve?

Frozen/torn/rotten sandbags. Possible back injuries while moving sandbags from pickup bed to ground or vice versa. Filling sandbags without waste. Where to stockpile sand for sandbags and then where to stockpile filled sandbags.

How did you develop and implement your solution?

Stockpile of unusable tires to dispose of. How to make use of them for a specific purpose and need. Could we cut up the tires for barricade weights? Utilized a Sawzall to cut a single snowplow truck tire to make 2 barricade weights. Then don't have to purchase sandbags or sand and don't have to haul sand for filling.

What did it take to make this solution a reality?

Buying Sawzall blades (\$3/blade). It takes ~1.5 minutes to cut 1 tire for 2 barricade weights, so \$2 for labor

What was the cost of implementation?

A Sawzall, worn out tires, a carbide Sawzall blade (blade lasts for 3 complete tires = 6 barricade weights). A pack of 5 carbide blades is approximately \$15. Disposal fee for tire is \$25. Sand is \$3.50-\$4.50/ton.

What was the impact and results of your efforts?

The tire barricade weights have at least a 20 year shelf life and can be reused over and over again. Once enough weights have been created, there is no need to create more. Future costs = \$0. Less weight to life for employees, easier to handle, and less damaging than a frozen sandbag when transporting.

