Sign Trailer

Description
The Sign Trailer innovation is a rack designed for storage and transporting signs. The rack is filled with 44 “No Center Line” signs. When needed, the trailer has the capacity to load the entire assembly on the trailer with a loader. This allows you to assemble the signs at the jobsite on stubs. These stubs stay in place year round to properly mark the roadway per EPG specifications. When the roads get striped the process will be reversed – signs are removed from the stubs and loaded back onto the rack. When filled, the full rack of 44 signs is removed from the trailer with a loader, keeping the signs neatly and safely kept away.

Benefit
MoDOT saves money with this innovation because signs are not being damaged and do not need to be replaced as often. It is a faster process since the signs are already on the rack and ready to go, eliminating the need to collect each sign one at a time. The innovation improves the safety of employees because it reduces the labor of the handling signs and lowers risk of injury. The shorter the sign height that is accomplished by using the stub process also decreases the weight of the sign. The stubs have markers that are permanently placed on the right of way and eliminate the Dig Rite process year after year for temporary signs.

Materials and Labor
The total cost of materials came out to be around $1,221. (See material lists on the back of this page)

For More Information Contact:
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Additional information, photos or videos can be seen by accessing Innovations Challenge SharePoint page at: http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx
2 1/4 sq tube - 3 $315.50
1 1/4 sq tube - 28' $270.00
1/4 x 4 flat - 10' $256.00
8 x 4 1/4 rec tube - 10' $125.00
8" x 1/4 gauge round 10' - $218.24

$918.36

1/4" x 4" Steel
8 pcs 98.5" long delivered by Ahrens
Mills Wood contract 06-06-1942

41 pcs - 1/4" x 41/4" 4" tube
41 pcs - 1/4" x 41/4" flat