

Productivity First-Round Winner
Innovations Challenge

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Prepared by Transportation Planning
Missouri Department of Transportation

TMA Sign Rack



Description

This TMA Sign Rack is used for different operations within a single day. These various operations could require different signing on the TMA. The TMA Sign Rack uses two pieces of c-channel with a divider so multiple signs and supplementary signs can be stored on the rack. Simply remove a pin, slide out the current sign, then slide the one out of the back you want and slide it back into the front slot. The other option is to roll up signs that either have to be installed lower than desired or will conflict with the lighting package. The rack allows employees to easily slide signs in and out and make changes quickly.

Benefit

Using the sign rack saves unbolting/wiring the sign reduces clutter in the back of the truck and eliminates climbing into the back of the truck for the needed sign. A side benefit is that since the signs needed are in the TMA rack, there's no risk of arriving at a job site without having what you need. The signs do not block the panic or sign lights on the TMA allowing all lights to be visible to the travelling public. Signs also will not blow off while in transit to the job site. With all these benefits combined, using the sign rack improves safety, simplifies work and saves time and money.

Materials and Labor

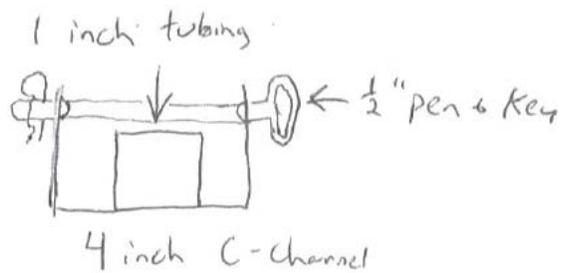
5 hours of staff time with \$20 in materials. Diagram and instructions on back page.

For More Information Contact:

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Additional photos or videos can be seen by accessing the Innovations Challenge SharePoint page at: <http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx>.

Truck Mounted Attenuator Sign Rack materials and diagram



We used 2 pieces of 4 inch C-channel to make the main frame. We then welded a piece of 1 inch square tubing to divide the signs on to each C-channel. Then we welded the C-channel for the bottom piece at 4 ft on the TMA.