

Tool and Equipment First-Round Winner

Innovations Challenge

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Prepared by Transportation Planning
Missouri Department of Transportation

Truck Ladder Extension



Description

The first step on ladders of most dump trucks is about 31 inches from the ground which is too high for employees to safely mount and dismount from the truck. The Truck Ladder Extension utilizes 1 inch metal tubing to slide into the existing ladder frame. Stoppers were added at the top to keep the extension from slipping completely out and a handle at the bottom was attached to improve the ability to pull the ladder out.

Benefit

The ladder extension has helped all employees by lowering the first rung to a more safe and comfortable height of 16-1/2 inches. It protects employees' knees from having to step so high and reduces the need to jump off the ladder to the ground which can result in injury.

Materials and Labor

\$100 in new materials costs with 4 hours of staff time.

For More Information Contact:

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Additional information, photos or videos can be seen by accessing the Innovations Challenge SharePoint page at:

<http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx>

Truck Ladder Extension Design

