

Tool and Equipment First-Round Winner

Innovations Challenge

April 2017

Prepared by Transportation Planning
Missouri Department of Transportation

Self-Level Snow Plow



Description

The Self-Level Snow Plow is a modified snow plow snout that keeps the plow blade level.

Benefit

The Self-Level Snow Plow simplifies work for MoDOT crew workers. It saves employee time and saves the department money because the hook up procedure is always the same and readjusting the chains is not required when changing from the driving lane to the passing lane on interstate highways. The innovation is safer for the public because it keeps both ends of the plow closer to the road while in the carry position.

Materials and Labor

8 hours of staff time with \$108.49 materials. Materials list and diagrams 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>.

Materials List

- Figure 1 1 – Plow Arm
- Figure 2 1 – 1 1/2" x 8" Cold Rod
1 – 4" x 4" x 3/4" Plate
- Figure 3 1- 6" x 8" x 3/4" Plate
1 – Bumper Plow Block
1 – Zerk
- Figure 4 1 – 4" x 9" x 1/2" Plate

