



Tool and Equipment Challenge Application Form

Have you or your work group made a tool or modified a piece of equipment to get work done better, faster or cheaper? Why not let everyone share in the success? Fill out the form below. Your best practice may even qualify for an award and be used throughout the state. Most of all, thanks for helping make MoDOT the best it can be.

1) Describe your best practice. *(Attach photos, videos and diagrams if available.)*

We converted a chip spreader into a shouldering machine. The shouldering machine can be removed and converted back to a chip spreader. This creates a dual use machine that will be utilized in different operations.

2) How does MoDOT benefit from this best practice? *(Check all that apply.)*

- Saves money
- Saves time
- Simplifies work
- Improves safety

Describe how: It saves money because we are able put the rock where it is needed to level up the shoulders. It will profile the shoulders by cutting off the extra material and carry it to a low areas. It will save time because you can do two jobs in one operation. It fills up the edge rut and adds rock to low shoulders. It simplifies work and cuts back on some types of equipment.

3) When was your best practice implemented?

October 4, 2007

4) How much does your tool or equipment modification cost? *(Please attach a complete materials list.)*

Total labor hours: 184

Total material costs: \$1430.74

5) Contact information: Name

Steve Bryant

Telephone

660-885-4022

District/Location

District 4 /Clinton MT facility

Please save and send your completed form and any attachments to your district challenge coordinator. Or sign and mail your completed form through department mail.

(Signature if mailed)

(Date)

Thanks for helping make MoDOT a world-class organization!

Missouri Department of Transportation



















Shoulder Machine Cost and Hours

4' X 8' X 1/2" Steel Plate	\$ 325.00
DBLE. HYD. Valve	\$ 191.49
3.5" x 8" HYD. Cylinder ASAE	\$ 108.99
3" X 8" HYD. Cylinder ASAE	\$ 92.99
Hyd. Hose and Ends	\$ 162.49
Paint	\$ 49.78
Hopper on front (Salvage)	\$ 150.00
Blade and bracket (Salvage)	\$ 250.00
Misc. Hose and Metal (Salvage)	\$ 100.00
Total	<u><u>\$ 1,430.74</u></u>

184 man hours for this job