



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.)*

6' of 2" od schedule 80 steel pipe-it is driven into the fill under the approach slab, road slab, or retainer slab. the pipe has a removable end, so we can attach a 3" quick coupler to fit on the hose from the mud jack. The pipe is driven in and taken out using a flat piece of steel with holes in it, to reduce the height to lift the jack hammer when driving it.

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

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

Describe how:

By applying the material deeper into the fill we have been able to drill fewer holes, no loss of material to shoulders, no fractures slabs, no blow-outs, and have had better control lifting the slabs

3) When was your best practice implemented?

Summer 2008

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

Total labor hours:

2

Total material costs:

\$70

5) Contact information: Name

Ronald Reynolds

Telephone

417-469-9018

District/Location

D9 Willow Springs Bridge Crew

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

Material List for hand tool Mud jack

6' Of 2 ½" schedule 80 pipe with one end threaded

2 ½" cap

2 ½" 90 degree elbow

2 ½" to 3" Adapter

3" Quick coupler end

¾" X 4" flat metal



















