

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 pra	actice. (Atta	ch ph	otos, videos a	nd diagrams	if available.)			
	The Steel Plate Tran of placing a steel pla The steel plate can be one being alittle diff	ate over a loe loaded,	nole	in a bridge	deck.The tr	ailer is pul	led by a picl	k-up	or dump truck.
2)	How does MoDOT be	enefit from	this b	pest practice?	? (Check all ti	hat apply.)			
	Saves more	ney	•	⊠ Sa	aves time				
	Simplifies	work		⊠ In	nproves safe	ty			
	Describe how:Both r pick-up can be used. plate into place on th onto a dump truck w it falls in the right pla	Safety is i e trailer. D ith a loade	mpro Orive	oved as the to the locat	person only	y has to atta wer plate ov	nch cable to ver hole. No	plat mo	e and winch steel re loading plate
					F				
3)	When was your best p	ractice imp	leme	ented?	June,2008	3			
4)	How much does your	tool or equi	ipme	nt modificati	ion cost? (Pl	ease attach a	complete mat	erial	s list.)
	Total labor hours:	127 Hr. THM434 92 Hr. THM434		Total mate	erial costs:	\$1737.76 THM434 \$2184.61			
5)	Contact information:			vin Rose		THM434	Telephon	ne	816-229-3540
				Dist. 4 Blue Springs-Special Operations					
Please save and send your completed form and any attachments to your district challenge coordinator.								e coordinator.	
Or sign and mail your completed form through department mail.									
	_	(Sign	ature	e if mailed)			Date)		

Missouri Department of Transportation

Thanks for helping make MoDOT a world-class organization!

Material list and cost for Steel Plate Transporter THM43401

4 ea. 3x3x24x3/16 Sq. Tubing	\$ 446.40
1 ea.4x4x20x1/4 Sq. Tubing	\$ 165.10
1 ea. Turn block	\$ 89.16
10 ft.1/2x12 Flat steel	\$ 172.40
1 ea. Trailer connector and adaptor	\$ 19.98
4 ea. U bar clamps	\$ 144.65
12 ea. Hitch pins	\$ 49.08
1 ea. Roll of 16 ga. Wire	\$ 13.99
2 ea. Fenders	\$ 23.44
2 ea. Spindle	\$ 44.34
1 pr. Complete hub assembly	\$ 85.02
2 ea. Tires	\$ 313.39
2 ea. Light box	\$ 59.30
1 ea. Tow ring	\$ 28.23
2 ea. Adjustable channel	\$ 16.30
2 ea. Pin and clip for receiver	\$ 7.58
1 ea. Swivel jack	\$ 59.60
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Total \$ 1737.76

Material list and cost for Steel Plate Transporter THM43402

5 ea.3x3x24x3/16 Sq. Tubing	\$558.40
10 ft. 1/2x12 Flat Steel	\$ 172.41
4 ea. Hold down clamps	\$135.49
1 ea. Gear winch	\$ 66.09
4 ea. Spring assembly	\$ 8.67
Shipping	\$ 225.11
1 ea. Ceiling winch	\$ 258.08
2 ea. 3" Flat mount block	\$ 35.90
100 Ft. 5/16 cable	\$ 68.54
2 ea. Eye hooks	\$ 7.96
4 ea. Clip and thimble kit	\$ 10.76
2 Fenders	\$ 23.44
2 ea. Spindle w/pin	\$ 44.34
1 pr. Complete Hub assembly	\$ 85.02
2 Tires	\$ 313.39
2 ea. Light Box	\$ 59.30
1 ea Tow Ring	\$28.23
2 ea. Adjustable Channels	\$ 16.30
2 ea. Pin & Clip for receiver	\$ 7.58
1 ea Swivel Jack	\$ 59.60
Total	\$ 2184.61































