

Missouri Department of Transportation

2009 Tool and Equipment Innovation Showcase Summary

MoDOT's customers have come to expect innovative transportation solutions ... and MoDOT employees delivered at the second Tool and Equipment Innovation Showcase March 31 in Springfield. The showcase brought together 25 district tool and equipment innovations in the areas of roadsides, pavement marking and bridge maintenance.

A team of technical experts, including an evaluator from each district, rated innovations on overall cost effectiveness, ease of use, versatility and the ability to implement statewide. Five individual winners would take home \$500 for themselves and an extra \$10,000 for their district budget.

Winners at 2009 Tool and Equipment Innovation Showcase included:

(See event brochure for pictures and descriptions.)

Roadside Tools

First Place - String Trimmer Fix uses 20 cents in hardware to save nearly \$30 per string trimmer repair. *(District 6)*

Roadside Equipment

First Place – Guardrail Pusher reduces the time and eliminates chemicals needed to manage excess aggregate and vegetation around guardrails. *(District 1)*

Honorable Mention – Pogo Stick Hose Holder reduces downtime and repair costs on tractor hoses. *(District 3)*

Pavement Marking Equipment

First Place – Hitch-Haul Ramp improves safety by eliminating the need to lift items in and out of the truck bed. *(District 2)*

Honorable Mention – Nurse Truck Trailers eliminate the need for a second nurse truck and refilling the striper on the side of the road. *(District 10)*

Bridge Maintenance Tools

First Place – Bridge Deck Repair Clamp eliminates the need for erecting time consuming scaffolding. *(District 7)*

Honorable Mention – Mud Jack Pipe saves time and wasted materials raising pavements on bridge approaches. *(District 9)*

Bridge Maintenance Equipment

First Place – Steel Plate Transport Trailer places temporary steel plates with just one person and a pickup truck. *(District 4)*

Honorable Mention – Bridge Deck Sealer System reduces the number of employees needed to seal bridge decks. *(District 7)*

Details on winning innovations will be shared statewide for implementation. Employees will be able to access information on all 25 displays at the Tool and Equipment Web page.