



**2012-13 District Winner**

Tool and Equipment Challenge  
<http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>

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Prepared by Customer Relations  
Missouri Department of Transportation

## Chloride Injection System



### Description

This innovation uses PVC pipe to inject chloride directly into a V-bed spreader.

### Benefit

The Chloride Injection System allows an operator to apply chloride to a load of salt safely from the ground in just a few minutes. This eliminates the need to climb on trucks or catwalks to fill tanks or inject the load. The shorter time to fill the truck gets it back on the road faster.

### Parts and Labor

- 20 feet – 1-1/2" schedule 40 PVC pipe (reduce to 12 feet for a small sander)
- 1 – 1-1/2" PVC cap
- 1 – 1-1/2" PVC ball valve
- 3 – 1-1/2" PVC 90-degree elbows
- 1 – quick coupler for fill nozzle
- 1 – bag of zipties

**Total: \$50**

**Labor: 1 hour**

### For More Information

Contact Alan Hooper at (417) 448-1393. Additional photos can be seen by accessing the Innovations Showcase homepage at <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>.