

**Productivity First-Round Winner**  
Innovations Challenge

**April 2017**

Prepared by Transportation Planning  
Missouri Department of Transportation

## Herby Dog



### Description

The Herby Dog truck sprayer is used during MoDOT's off-season mowing to apply Plant Growth Regulator chemistry and other herbicides on four-lane major highways. A full-size load will treat more than 75 lane miles or 130 acres, allowing the operator to spray for nearly an entire shift without stopping. A well-timed PGR application saves districts money by prolonging the time before the first mowings.

### Benefit

Using the Herby Dog saves time and improves safety by reducing hours of exposure to traffic. Many applications can be done overnight to avoid traffic all together. In addition, fewer objects are thrown into the line of traffic. The simplified task of reloading and resetting a mobile work zone saves time and improves safety. By delaying the first mowing of the season, the districts save time and money.

### Materials and Labor

4 hours of staff time with \$200 in materials.

### For More Information Contact:

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Additional photos or videos can be seen by accessing the Innovations Challenge SharePoint page at: <http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx>.