

2012-13 District Winner

PrOMo Challenge

<http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>

April 2013

Prepared by Customer Relations
Missouri Department of Transportation

Guardrail Delineation Improvements



Description

This innovation utilizes 12” sections of standard steel delineator posts fitted with the 3” x 6” oval reflecting markers to replace the standard plastic guardrail delineators. This concept provides effective long-term guardrail delineation and eliminates the routine maintenance associated with the standard plastic delineators. This system has been evaluated by various divisions including Traffic Safety to verify all safety requirements.

Benefits

Efficiency: Increased efficiency can be measured in the reduction of routine maintenance and replacement of the typical plastic delineator versions. Service life of these steel delineators is estimated at 10 years versus monthly replacement of plastic versions during winter snow operations.

Cost: The unit cost associated with purchasing all of the necessary materials for the steel delineator system would be approximately \$2.00/each. This is significantly less than the current \$3.84/each price of the plastic delineator versions.

Quality: This innovation provides excellent reflectivity and guardrail delineation without the need for routine replacement of markers. Therefore, the delineation is more durable and dependable than the plastic versions.

Organizational Impact: The organizational impacts of this innovation can be realized in the time savings associated with routine replacement of the plastic delineator versions, especially after snow events.

Safety: Improvements to safety can be measured in the overall service life of the system. Since routine replacement will not be necessary, our crews will not be placed in harm's way as often, and the travelling public will have a more reliable system of guardrail delineation. This should be especially apparent either during or just after winter storm events.

Environmental: Improvements to the environment can be measured in the reduction of waste associated with the use of plastic delineators. The longer service life of this innovation will reduce the amount of waste sent to landfills.

Team Members

Debbie Przybylski – Team Leader

All other members of New Cambria Maintenance Shed

For More Information

Contact: Debbie Przybylski at (660) 226-5250

Additional photos can be seen by accessing the Innovations Challenge homepage at <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>