

T & E First-Round Winner
Innovations Challenge

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Prepared by Transportation Planning
Missouri Department of Transportation

Laser Measuring Device



Description

The Laser Measuring Device is used to measure the height of existing guardrail to determine if it meets the standard height requirements. While one employee drives along the guardrail, a second employee monitors whether the laser beam is making contact with the guardrail. If the beam is projected above the guardrail, that stretch of guardrail is deemed non-compliant.

Benefit

There are many benefits to using this laser device. The guardrail height can be checked in a way that saves time, saves money and simplifies work. Most importantly, this innovation improves safety by keeping employees from working along the highway.

Materials and Labor

Materials	Cost
Pen Laser	\$8
GoPro Suction Cup Mount	\$20
GoPro Ride Hero Support System (GHR30)	\$8
Small Level	\$4

Materials: \$40

Labor: 1hour

For More Information Contact:

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

