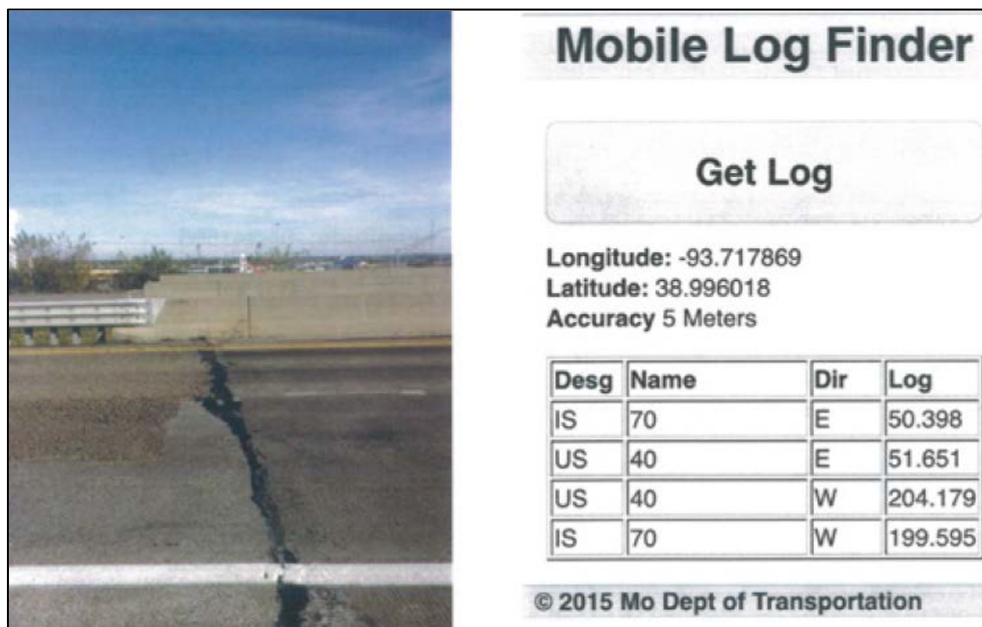


Productivity First-Round Winner
Innovations Challenge

April 2016

Prepared by Transportation Planning
Missouri Department of Transportation

Mobile Log Finder



Description

All highways in the state have a designated log mile and other information stored in the Transportation Management System. Inspectors use TMS to find landmarks and points of reference, but there isn't a way to determine the location without a computer. In addition, MoDOT has had to pay to locate the items using the log mile system. The Mobile Log Finder is a way to find a location using a cell phone to access TMS. The user accesses a website and clicks the "Get Logs" option. The website determines the latitude and longitude of the user then sends the location to the TMS server. TMS determines the nearest log mile and travelway and displays it for the user.

Benefit

The finder simplifies work and saves time in many ways, such as logging repairs and other field work by designers without the need to contact the Construction and Materials Department. Construction employees can use log miles to locate needed work and identify travelways in the field. Maintenance and construction employees can determine sign repairs and locate active work areas. Contractors can report completed work more accurately, which eliminates MoDOT's need to layout work. Safety also is improved since emergency responders are able to report locations quicker because the exact location is known. The finder helps save money since fewer distance measuring instruments are purchased or replaced.

Materials and Labor

18 hours of staff time with no materials costs.

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>.