

Tool and Equipment First-Round Winner

Innovations Challenge

April 2017

Prepared by Transportation Planning
Missouri Department of Transportation

TMA Flagger



Description

The TMA Flagger uses a boat-trailer style TMA that is modified to become an AFAD allowing clearer direction to motorists by incorporating three color variable message boards, an automated stop/slow paddle and a flashing red/yellow signal. Its primary focus is to get flaggers off the road and out of traffic. Two flaggers were killed in Missouri in 2016. An innovation like this could have prevented those fatalities.

Benefit

This innovation improves safety in all types of work zones by providing better direction to motorists, while protecting the work areas with a TMA. It also eliminates the need for a flagger on the ground. It simplifies work since it's flexible enough to fit on all HD fleet vehicles. It saves time setting up a work zone and moving from work zone to work zone. It saves money by increasing productivity in unfavorable weather conditions. It has the clear potential to save a flagger's life.

Materials and Labor

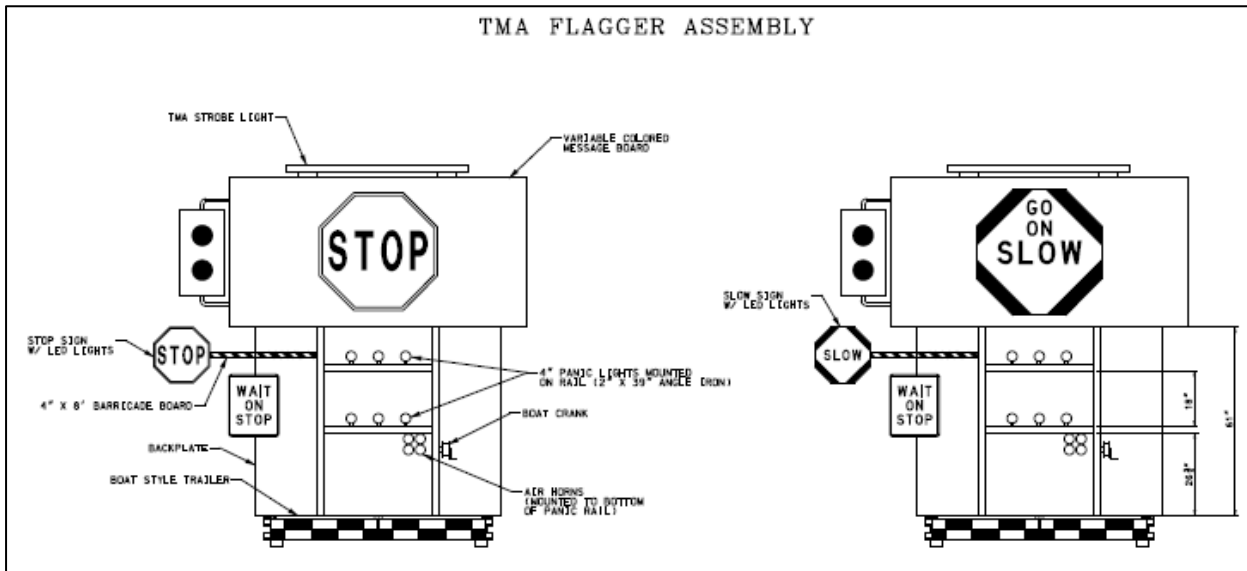
40 hours of staff time with \$15,000 - \$20,000 in materials. Diagrams are shown on back page.

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>.

TMA FLAGGER ASSEMBLY



Draft Copy Protective Vehicle/TMA Flagger Operation (Workers on Foot Move with Operation)

