

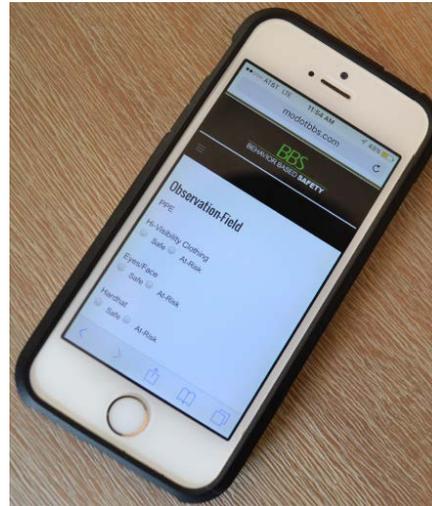


**Projects First-Round Winner**  
Innovations Challenge

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Prepared by Transportation Planning  
Missouri Department of Transportation

## Behavior Based Safety Website



### Description

The fully responsive Behavior Based Safety website ([www.modotbbs.com](http://www.modotbbs.com)) allows employees to access the site from their desktop computers or smartphones. The website houses all of the necessary forms in an electronic version, as well as a printable format. In addition, the website includes an FAQ, training schedules and BBS videos. In the future, it also will house BBS success stories and yearly data. We have discussed the implementation of Behavior Based Safety with other state DOTs. While we have gained many valuable tips and data from other state DOTs that have implemented BBS, we felt a quick, easy way to submit the forms was something their BBS programs lacked. Other state DOTs have only offered printable forms for observations and near misses. Behavior Based Safety will be implemented across the state and the website will be used throughout MoDOT. BBS is expected to be fully implemented by mid-Sept. 2017. As more districts are trained, the website/pseudo app will become increasingly useful.

### Benefit

The fully responsive website for BBS allows employees to access the site from their desktop computer or smartphone. Initially, the Southeast District received quotes from Central Office regarding the cost of modifying the existing MoDOT Now app. Making minimal updates to the MoDOT Now app (this would not allow for major changes to the branding), would cost \$20,000-\$25,000. Developing a completely new app would likely cost over \$100,000. The fully responsive website allowed us to create a “pseudo-app” for smartphones and a matching desktop site. This was the more fiscally responsible option, and it still offers the same benefits to employees. Giving employees the option to submit their observation and near miss forms online helps employees save time and simplifies the process. First of all, the responsive website allows for real-time communication with the districts’ risk management dept., instead of the lag time paper copies create. Secondly, when employees submit information online, it saves time and simplifies work for our risk management personnel by eliminating the need to rekey information. The information is instantly stored within the website’s content management system—allowing for quick data analysis and easier collection once a Tracker measure is developed. Lastly, the pseudo app/responsive website can be accessed virtually anywhere. The website is hosted externally through SiteGround, so employees can even use their personal smartphone to access the website remotely. This is extremely beneficial to employees who do not have regular computer access. Minimizing lag time in submitting forms is extremely important for safety. We want to address any potentially dangerous near misses as quickly as possible.

**Materials and Labor**

20 hours of staff time with \$203.40 in materials. Reoccurring annual hosting fees.

**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>.