

Bridge Fender Navigation Lighting Reflective Backup System



OVERVIEW OF INNOVATION

The 2019 Build A Better Mousetrap Award (BABM) was given for a *Bridge Fender Navigation Lighting Reflective Backup System* to Gerald Oliveto in NJDOT Operations Support and Engineering. Retroreflective panels were installed on NJDOT bridges in navigable waters to better identify bridge piers and serve as a backup system for navigation lighting.

The backup system avoids the burden of potential fines for malfunctioning navigation lighting and additional costs for emergency work orders and overtime repairs to the bridge fender navigation lighting system. The panels provide an enhanced safety feature to the maritime community by allowing for increased visibility of the bridge fender systems and can safely identify the channel margins should navigation lighting malfunction.

The low cost application can be transferred to any other agency with bridges spanning navigable waterways, such as NJ TRANSIT, counties, port authorities/commissions, and other state DOTs.



Source: NJDOT

BENEFITS

Improves safety by improving visibility of bridge fender systems and channel margins. Increases cost savings by providing an inexpensive response to avoid potential fines for malfunctioning lighting and emergency overtime repairs.

FIND OUT MORE . . .

- 2019 BABM Award Winner, Video: <https://www.njdottechtransfer.net/share-your-ideas/build-better-mousetrap/>

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