

Tool and Equipment

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Bridge Drain Plugs [Video](#)



Installation



After installation

Description

When completing maintenance on bridges over water, certain chemicals and oils are used that should not run off into the water below. The chemicals would not only damage the environment, but also contaminate the water's ecosystem. To avoid drain runoffs, the Bridge Drain Plug was created by using jumbo pool noodles and cutting them to the desired plug size. Expanding foam is used to spray around the noodle to seal the drain. Once the bridge maintenance is complete, the drain plug can be quickly and easily removed.

Benefit

This innovation saves money by reducing the cost of cleanup of the water or boats passing under the bridge and saves time since it's quick and easy to install. The Bridge Drain Plug improves safety since it is environmentally friendly.

Materials and Labor

The total cost per drain is \$2 with reoccurring cost being on an as needed basis which includes spray foam at \$5 per can and jumbo pool noodles at \$8 per noodle.

For More Information Contact

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Additional information, photos or videos can be seen by accessing Innovations Challenge SharePoint page at: <http://sp/sites/tp/planpol/SitePages/InnovationHome.aspx>