SlipNOT®
Metal Safety Flooring

Ridgely Avenue Bridge

Annapolis, MD

*Slip*NOT® Steel Grip Plate® Installed on Ridgely Avenue Bridge

Company: City of Annapolis
Location: Annapolis, MD
Industry: Infrastructure
Website: http://weems-creek

The Ridgely Avenue Bridge is located on U.S. Route 50 in Annapolis, MD. The bridge was originally built in the 1920's with a trestle approach and recently underwent renovations. Removable steel trench plates were required for the bridge that would be moveable to allow workers access to structural beams underneath the bridge while providing durability against heavy highway traffic. The road plates also needed to be corrosion resistant to provide safety in weather elements.

The Situation:

The Ridgely Avenue Bridge over Weem's Creek, is known for its intimate waterfront and wooded residential surroundings. The bridge required removable steel plates that are able to support expressway traffic, 24 hours a day, 7 days a week. This new modern structure was built on the alignment of the original bridge, but it improved the roadway width from 20' to 30' and provided a new 5' wide sidewalk. The contractor needed a way to expand the width of the bridge while still keeping it structurally sound.

***Slip*NOT® Project Summary**

- 1-1/4" slip resistant steel plates painted gray
- The steel plates have provided Ridgely Avenue Bridge with an anti-slip material that is able to withstand weather elements and heavy highway traffic to help provide safety to vehicles and pedestrians utilizing the bridge.

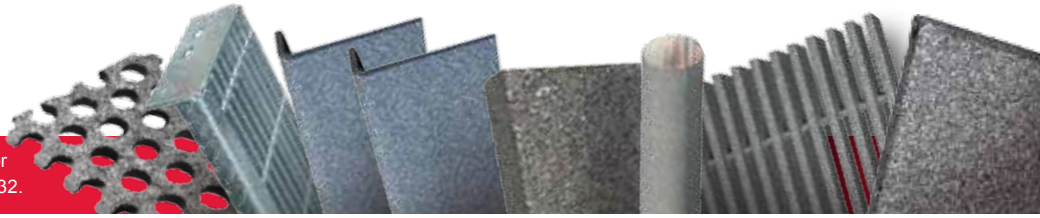
The Solution:

Included within the renovation, ***Slip*NOT®** was asked to provide 1-1/4" slip resistant steel plates to be used as temporary bridge decking for the US-50 bridge over Weems Creek. These plates were installed down the middle of the bridge, which allowed the width they needed. The ***Slip*NOT®** plates were installed once the old concrete was taken out. The steel plates were removed after a couple years, and re-used at another side. Due to high traffic, the bridge needed the strongest alloy possible. ***Slip*NOT®** steel has a file hard surfce between 55 - 63 on the Rockwell "C" scale and has a bond strength of at least 4,000 psi, which provides a long lasting and durable surface. This became the most optimal choice for Ridgely Avenue Bridge because all ***Slip*NOT®** slip resistant products can be easily bolted and welded down to any bridge structure.

***Slip*NOT®** Metal Safety Flooring is an approved vendor for several departments of transportation such as Michigan DOT, Texas DOT, Caltrans and several more, making them the right choice for Ridgely Avenue Bridge.

The Impact:

The steel plates were installed and now provide Weems Creek with slip resistant, movable plates. The plates were painted gray to resist corrosion and provided slip resistance even while wet. They also upheld an aesthetically pleasing appearance and blended well with the concrete bridge. Due to the durability and versatility of our slip free road plates, the needs of several projects were met.



www.slipnot.com | info@slipnot.com

Phone: 313.923.0400 | Toll Free: 800.754.7668 | Fax: 313.923.4555