

Icicle Knocker

District 6-5 Philadelphia County

Problem/Challenge Addressed

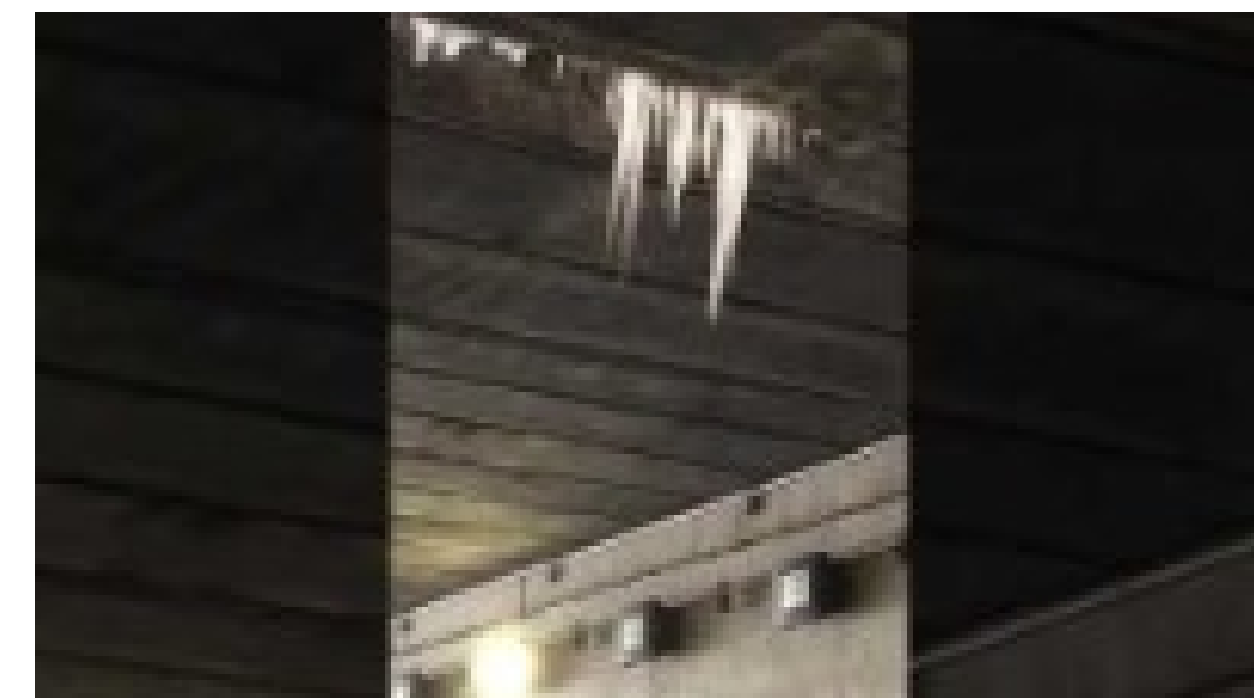
In Philadelphia County, we have tunnels that are part of our Interstate System. In the winter, we have issues and concerns with water that comes through tunnel joint areas that form large icicles. These can be up to six feet long and up to 12 inches wide. These were taken down in the past by placing an employee in the back of dump truck. The employee had a long pole that would reach out and knock the icicles down from the top of the tunnel. This was very dangerous and unsafe act.

Method/Process/Product to Resolve Challenge

The sign manager and crew designed and installed a system that uses Telspar (steel square tubing used for sign installation), which was installed into the back of dump truck. The operator of the truck raises the body of the dump truck to the level of the tunnel and drives forward or in reverse, which knocks the icicles down and places them directly into the body of the dump truck.

Results/Key Takeaways

This took a very dangerous and unsafe act and turned it into very safe, efficient and effective way to remove icicles from with these tunnels. It was a very low-cost solution to an extremely dangerous situation not only for the drivers on the roadway but, for safety of our employees as well. See video below of the Icicle Knocker.



**Click on
the image
to play the
video**

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