

# POR-15 Rust Preventative Applied to Truck Frame Rails

PennDOT District 5 – Lehigh County

## Problem/Challenge Addressed

Due to not having a wash facility in our county, trucks were washed on a limited schedule causing frame rails to rust. Trucks had to be taken to another county (closest is approximately 25 miles away) to wash or spend approximately \$135 per truck at a local commercial truck wash facility.



## Method/Process/Product to Resolve Challenge

We received quotes to have our frame rails sandblasted and painted at a cost of \$2,000 per truck. We researched other methods and found a product called POR-15, which is a rust preventative. This product can be applied over existing rust and is supposed to stop it from rusting. Some of our garage personnel heard of this product or used it and stated that it worked well. We purchased a can and did one truck to see what was involved with applying it. A wire brush or needle scaler was used to remove the loose paint and heavier rusted areas of the frame. After completing the prep work, the product was applied to the frame rails using a paint brush.



## Results/Key Takeaways

The process was completed primarily by our middle and night shift skeleton crews during operational downtimes. Each truck used about a quart of product to complete the frame rails; front bumper and plow frames. At a cost of approximately \$47 a quart, we were able to treat and coat our trucks' frame rails at a very minimal cost.



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