

POLYCAST®

APPLICATION PROFILE

POLYCAST® 900 SERIES SOLVES TURNPIKE SAFETY PROBLEMS

The Pennsylvania Turnpike Commission had a continuous safety problem with snow and ice melt accumulating and freezing at the grade exiting the Blue Mountain tunnel. Exiting traffic was in extreme danger even after the ramp was salted. After considering other alternatives, the Turnpike Commission solved the problem by installing the POLYCAST® 900 Series Polymer Concrete Drainage System to intercept snow melt before it traveled onto the road surface.

The POLYCAST® 900 Series is ideally suited to this application, because polymer concrete channels are resistant to road salt corrosion and freeze/thaw cycles. In addition, the 900 Series gratings are able to withstand the abuse of snowplowing year after year.

The polymer concrete system was installed by cutting an 18" wide section of the shoulder and excavating the trench. The POLYCAST® System was then suspended in the excavated trench and new concrete was placed around it.

The photos at right were taken seven years after installation and show that after years of heavy vehicular traffic and exposure to corrosion, the POLYCAST® System is unaffected and will provide many more years of durable service.



TECHNICAL DATA

Product:	Pre-sloped Highway Drainage System
Process:	Closed Mold Casting
Materials:	POLYCAST® 900 Series trench drain, precast polymer concrete, polyester resin
Sizes:	6-1/2" wide x 48" Channel Open Area: 24.5 sq. in.
For:	Pennsylvania Turnpike Commission

Case Study Provided by:



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