

## CASE STUDY I-80 RESURFACING WITH PENNDOT

Roadway  
Clarion, PA

### PROJECT SUMMARY

A heavily trafficked section of Interstate 80 in Clarion, PA was experiencing transverse and longitudinal reflective cracking. The pavement also was suffering from the effects of surface moisture infiltration which weakens the pavement foundation layers and aggravates freeze/thaw damage.

PennDOT needed to resurface the road, but they wanted a sustainable solution that would increase the useful life of the roadway. The PETROMAT® Original 4598 paving fabric interlayer system was selected to provide a moisture barrier and a stress absorbing layer to retard reflective cracking.

PETROMAT is a nonwoven paving fabric that exceeds AASHTO M288 requirements. It installs easily, can double the life of the overlay, and reduces future maintenance.

The existing roadway was milled 2.5 inches and a leveling course was applied. Approximately 305,000 square yards of PETROMAT was installed before 1.5 inches of wearing surface was added.

PennDOT has approved PETROMAT 4598 and recognizes this rehabilitation strategy to be cost effective in extending the life of their overlays. They plan to continue using this system on future projects.



### PROBLEM

A heavily trafficked section of Interstate 80 was experiencing transverse and longitudinal cracking.



### INSTALLATION

Approximately 305,000 square yards of PETROMAT Original was installed.



**PETROMAT**<sup>®</sup>  
**Original** *The Original Paving Fabric*

[PropexGlobal.com/Petromat-Original](http://PropexGlobal.com/Petromat-Original)

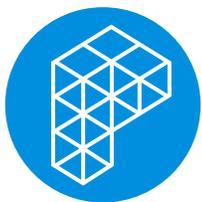
## FEATURES & BENEFITS

- Provides a superior moisture barrier to prevent water infiltration into the base and subgrade
- Creates a stress-absorbing interlayer to slow the progress of reflective cracks
- Proven performance equal to an additional 1.5" asphalt concrete overlay thickness
- Easily installs around curves without tearing
- Engineered with optimal elongation to allow placement directly onto a milled surface
- Improves durability and performance of rural chip seal pavement surface treatments



## PERFORMANCE

PETROMAT provides an unmatched moisture barrier and stress absorbing layer to slow reflective cracking and increase the service life of the overlay.



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PO Box 19269  
4019 Industry Drive  
Chattanooga, TN 34716

p: 800 621 1273  
f: 423 899 5005  
PropexGlobal.com

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