

Ridge Road Restoration

Design Features: Installation of crosspipes, Driving Surface Aggregate (DSA)

Date of Installation: 2007-2011

Location: Ridge Road, Acme, PA 15610

Client: Donegal Township

Cost: \$50,000

Project Partners: Westmoreland Conservation District, Donegal Township, Loyalhanna Watershed Association, PennState Center for Dirt and Gravel Roads Studies, PA Department of Environmental Protection

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Attendees learning about the importance of proper compaction and moisture in DSA placement using a Nuclear Density Meter

Project Specifications

In 2007, Donegal Township received a DEP Growing Greener grant to improve a 2,000-foot-long section of Ridge Road. The Westmoreland Conservation District provided technical assistance and project management to Donegal Township in improving Ridge Road.

The road surface was stabilized with DSA, which is a compacted mixture of different-sized stone that creates a dense and durable wearing surface. Crosspipes were also installed and/or replaced along the road to improve stormwater control and reduce erosion.

Benefits/Performance Measures

These Best Management Practices that were installed on Ridge Road assisted Donegal Township with long-term maintenance costs. They also improved around five miles of stream by reducing the

amount of sediment washing into a small tributary of Four Mile Run by about 10 tons per year.

This project was featured as a field demonstration site at the PennState Center for Dirt and Gravel Road Studies 2008 Annual Workshop. Attendees were able to see DSA being placed with a paver on a live job site, and a Nuclear Density Meter was on site to demonstrate the importance of proper compaction and moisture.

Ridge Road Restoration



Ridge Road before construction



Ridge Road after construction