

Thomas Road Restoration

Design Features: Raising the road profile, installation of underdrains and crosspipes.

Date of Installation: Summer 2012.

Location: Thomas Road, Bolivar, PA 15923

Client: Fairfield Township

Cost: \$20,879.15

Project Contact: Rob Cronauer,
Rob@wcdpa.com

[Click here for more detailed information on Environmentally Sensitive Maintenance practices.](#)



Placement of Geotextile fabric under road fill, to allow water to pass through and provide surface strength.

Project Specifications

In 2012, a 1700-foot-long section of Thomas Road near Bolivar in Fairfield Township was improved under the Dirt, Gravel, and Low Volume Roads Maintenance Program.

Prior to construction Thomas Road had eroding ditches, eroding road banks, and inadequate cross pipes. During large rain events an un-named tributary to Snyder Run would top its shallow banks and become entrapped in the road corridor. This hindered travel on this unpaved road and washed sediment into nearby Snyder Run.

The first 800 ft. of road surface was raised as much as three feet in an effort to improve natural drainage and to eliminate flowing water. The existing

15" crosspipes were replaced to 18" crosspipes to convey road drainage across the roadway as often as possible to prevent excess flow and erosion. In addition, approximately 400 ft. of underdrain was installed to separate subsurface water from road runoff, saving time and money by reducing the maintenance that is associated with perennially wet roadsides.

Benefits/Performance Measures

The Environmentally Sensitive Practices installed on Thomas Road has decreased sediment pollution to Snyder Run, a tributary to Tubmill and reduced the long-term maintenance cost on this township owned, public road.

Thomas Road Restoration



*Thomas Road before construction, acting like a stream.
Notice the amount of water within the road corridor.*



After Construction. Road profile raised 2-3 feet.