

Todd Farm Road, Low Volume Road Project

Design Features: One new cross pipe, two drop inlets, and outlet infiltration

Date of Installation: 2023

Location: Todd Farm Road, Rostraver Township, Westmoreland County

Client: Rostraver Township

Cost: \$20,904.99 of Low Volume road funds were used with an In-Kind contribution of \$8,378.40 from the township. The total cost of the project was \$29,283.39.

Project Partners: Rostraver Township, Westmoreland Conservation District, and the Center for Dirt and Gravel Road Studies.

Project Contact: Kelly Brestensky, kelly@wcdpa.com



New sewer system being connected to existing drainage system.

Project Specifications

Previously the drainage from state Route 51 drained into the road side ditch of Todd Farm Road. This caused large amounts of erosion in the ditch line and driveway, which carried sediment and storm water to the nearby stream. Two new drop inlets were added to connect the existing drainage system to the new storm sewer system. A new cross pipe was added to move the water through the road way and drain it to an infiltration trench.

Benefits/Performance Measures

By containing the drainage from Route 51 into a storm sewer system that outlets to a stabilized area, it does not allow the water to continually erode the ditch line. Instead the stabilized outlet is promoting infiltration before the drainage reaches the stream.

Installing the storm sewer system reduces the township maintenance on the roadway. Previously the township would need to continually armor the ditch with larger stone in an attempt to contain the water within the ditch line and protect the adjacent landowner's property. By directing all the storm water into the system it reduces the amount of materials and man-hours that need to be spent on protecting the roadway and landowner property.



Left: Eroding ditch line from Route 51 drainage.



Right: Stabilized ditch line with inlets.