

Black Road (T-419) Bridge Replacement

Client: Elk Township Supervisors

Clarion County, PA

Year: 2020 Cost: \$200,000



Gwin, Dobson & Foreman designed the replacement of a 100-year old concrete bridge on Black Road in Elk Township which spans an unnamed tributary to Deer Creek. GD&F's design is a cost-effective solution using an aluminum structural-plate box culvert with aluminum wing walls and full invert bottom.

The project included roadway widening which enhances traffic safety. Additional project benefits are more culvert capacity and improved stream hydraulics. GD&F performed the preliminary and final design work according to PennDOT standards. The project was funded by the PennDOT Multimodal Transportation Fund (MTF).



The bridge replacement was completed and open to traffic in less than four weeks from the start of construction.