



Glen Campbell Borough Stream Crossing Replacement Project

Full Mitigation Best Practice Story

Indiana County, Pennsylvania

Indiana County, PA - Only two roads leading into Indiana County. One of them frequently experiences washouts from flooding. Unfortunately, this roadway is a primary access route for residents and emergency personnel.



The original project called for the replacement of the existing damaged 30-inch terra cotta pipe with a 4 foot by 8 foot box culvert. This action would increase the hydraulic capacity of the culvert and reduce the amount of water backup experienced at this location during severe storms. But during the 18 months that it took from conceptualization to start of construction, the price of some materials became cost prohibitive. The local community, State and Federal officials worked together to come up with a re-scoped project that had a longer life and cost the same as the original project.

Instead of the 4 foot by 8 foot culvert that would have cost twice the estimated amount, the crossing was reconstructed with the originally available funds. The local government added road surfacing and guardrails to their contribution to the project. The engineering firm that worked on the project agreed to forgo \$750 of their original engineering budget to assist in finalizing the completion.

This was truly a project that reflects the intention to be a joint effort between various levels of government and the community to solve a problem that affects everyone. The 30 residents who live in the area served by the road no longer face almost sure isolation when heavy rains cause high water in the area of their sole means of egress.

By using the combined technical resources of the Borough, State Mitigation Office, FEMA and the managing engineering firm, the project was re-scoped to fit the budget and solve the problem. This joint effort resulted in a project with a greater useful life and therefore a greater benefit than the original.

Activity/Project Location

Geographical Area: **Single County in a State**

FEMA Region: **Region III**

State: **Pennsylvania**

County: **Indiana County**

City/Community: **Glen Campbell**

Key Activity/Project Information

Sector: **Public**
Hazard Type: **Coastal Storm**
Activity/Project Type: **Flood Control**
Activity/Project Start Date: **04/1998**
Activity/Project End Date: **06/1999**
Funding Source: **Hazard Mitigation Grant Program (HMGP); Local Sources**
Funding Recipient: **Local Government**
Funding Recipient Name: **Borough of Glen Campbell**

Activity/Project Economic Analysis

Cost: **\$8,110.00 (Estimated)**

Activity/Project Disaster Information

Mitigation Resulted From Federal
Disaster? **Yes**
Federal Disaster #: **1130 , 07/26/1996**
Value Tested By Disaster? **No**
Repetitive Loss Property? **Unknown**

Reference URLs

Reference URL 1: <http://www.floodsmart.gov/>
Reference URL 2: <http://www.dep.state.pa.us/dep/emergency/response/default.htm>

Main Points

- When the price of construction materials became cost prohibitive, the local community, State and Federal officials worked together to come up with a re-scoped project.
- Instead of the culvert that would have cost twice the estimated amount, the crossing was reconstructed with the originally available funds. The local government added road surfacing and guardrails to their contribution to the project. The engineering firm that worked on the project agreed to forgo their original engineering budget to assist in finalizing the completion.
- The 30 residents who live in the area served by the road no longer face almost sure isolation when heavy rains cause high water in the area of their sole means of egress.