



Success Stories in Mitigation



Cuyahoga County (Valley View)

HAZARD MITIGATION ASSISTANCE (HMA)

FEMA Hazard Mitigation Assistance (HMA) programs present a critical opportunity to reduce risk to individuals and property from natural hazards while simultaneously reducing reliance on Federal disaster funds.

DR-1651 HAZARD MITIGATION GRANT PROGRAM (HMGP)

As a result of the federal disaster declaration FEMA-DR-1651-OH declared on July 2, 2006, funding was made available through the Hazard Mitigation Grant Program to provide grants for local governments to fund long-term mitigation measures. The declaration was based on damage resulting from severe storms, tornadoes, straight line winds, and flooding during the period of June 21-23, 2006.

Valley View Elevation Project

The Village of Valley View experiences flooding from the Cuyahoga River and its associated tributaries on a regular basis. For this reason, the Village applied for Hazard Mitigation Grant Program (HMGP) funds to help reduce its flood risk. An estimated 70 residential properties are located in the project area, virtually all of which have experienced flooding during moderate to significant precipitation events.

The Valley View DR-1651-HMGP project elevated nine structures and will acquire one property and the associated structure. The finished floor elevations of the nine structures are two feet above the 1%-annual-chance flood elevation (*i.e.*, 100-year flood elevation). The structure on the property that is acquired will be demolished, and the property will be deed restricted and maintained by the Village of Valley View as open space in perpetuity.

PROJECT HIGHLIGHTS

- Benefit Cost Ratio (BCR): 1.19
- Project Benefits: \$1,710,625
- Project Final Cost: \$1,437,500

Federal:	\$1,078,125	(75%)
State:	\$159,375	(11.1%)
Local:	\$200,000	(13.9%)

Local Cost Breakdown –

 - \$120,000 ICC (Flood Insurance)
 - \$50,000 In-Kind
 - \$30,000 Cash
- Six of 10 properties are on the NFIP repetitive flood loss list.
- Structures account for 25 flood insurance claims of more than \$462,000.

The original scope of work for this project included the acquisition of two structures, and the elevation of up to 21 structures. The number of properties to be mitigated was reduced due to higher than projected costs to elevate the split-level structures in this project. The benefit-cost analysis for the project was recalculated based on the new scope of work.



FUTURE PROJECTS

Approved September 17, 2010, under the Pre-Disaster Mitigation (PDM) program to elevate up to 13 structures. Once elevated, the finished floor of each structure will be two (2) feet above the 1%-annual-chance flood elevation (*i.e.*, 100-year flood elevation).

Project Funding Break-Down:

Federal \$1,173,600 (75%)
Local Share \$391,200 (25%)

The local share is being paid by the homeowners.

Additional Photographs



Murray Road Property – Before Elevation
Ohio EMA File Photo



Murray Road Property – Photo taken following February 28, 2011 flood event. Notice the high water mark.
Ohio EMA File Photo



Fosdick Road Property – Photograph taken April 6, 2010
Ohio EMA File Photo



Fosdick Road Property – Photograph taken April 6, 2010
Ohio EMA File Photo



Fosdick Road Property – Photograph taken during February 28, 2011 flood event
Ohio EMA File Photo

Additional mitigation success stories and mitigation-related information may be viewed at <http://ohiosharpp.ema.state.oh.us/ohiosharpp/home.aspx>.