

CRS Activity 510

Progress Report on Implementation of Credited Plan Date this Report was Prepared:

Name of Community: Carroll County, MD

Name of Plan: Carroll County Hazard Mitigation Plan, Chapter 6: Flooding

Date of Adoption of Plan: 3/6/2014

5 Year CRS Expiration Date: 3/6/2019 – Currently being revised

1. How can a copy of the original plan or area analysis report be obtained:

The hazard Mitigation Plan is available on the Carroll County Government Website, Under the Department of Public Safety.

2. Describe how this evaluation report was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

Mitigation measures were examined from the current Hazard Mitigation Plan. The report will be provided to our County Administrator and our Commissioners to disseminate through our standard press release process. It will be available on the Floodplain Management portion of our website as well.

3. Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:

See attached.

4. Discuss why any objectives were not reached or why implementation is behind schedule:

Most of the objectives are ongoing. Some have not yet been met because of a lack of funding.

5. What are the recommendations for new projects or revised recommendations?

In coordination with the Army Corps of Engineers, we are investigating a flood risk reduction project in the town of Union Bridge. We are also in the process of updating of Floodplain Management code in an effort to clarify some portions and provide a larger discount for our citizens utilizing flood insurance through higher regulatory standards in the CRS program.

Existing Municipal Mitigation Measures

- The Town of Sykesville is working with the County on locating and mapping its 330 storm drains and developing an operation and maintenance plan for the storm drain network. **COMPLETE**
- Westminster is in the process of repairing and rebuilding some of its stormwater management facilities; the city has identified 4 areas to target for remediation. **ONGOING**
- Since 2010, Westminster has been urging the adoption of the new FEMA floodplain maps to enable an additional tool to protect its flood-prone areas designated by the new mapping. **COMPLETE**
- The Town of Union Bridge has included within its subdivision plan approval of the Jackson Ridge development and pursuant public works agreement, stipulations requiring construction of new box culverts for the MD 75 Bridge over Little Pipe Creek, which will mitigate the flood risk in the eastern portion of the town. **DEVELOPMENT HAS NOT YET OCCURRED - ONGOING**
- Union Bridge suggests that a study of the cumulative stormwater effects for the MD 75 and Bucher John Road corridors in the vicinity of Little Pipe Creek and Cherry Branch be made to aid development of appropriate flood management projects. **ONGOING PROJECT WITH USACE**

Proposed High-Priority Mitigation Strategies

<i>High-Priority Flood Mitigation Strategies - County</i>			
Strategy	Responsible Agency/ies	Anticipated Timeline	Funding Source(s)
Work with FEMA and MEMA on the Map Modernization Program to support the development of digital FIRMS for the county and identify areas for possible re-study.	Bureau of Resource Management	Ongoing -- County is awaiting issuance of LFD by FEMA	• County • State COMPLETE
Work with the municipalities to update all floodplain ordinances.	Bureau of Resource Management & Towns	Ongoing – as of May 2013, Union Bridge and Westminster may need to revise their ordinance; FEMA is reviewing Mount Airy’s ordinance; Taneytown will need to adopt an ordinance the meets FEMA requirements	• County COMPLETE

High-Priority Flood Mitigation Strategies - County

Retrofit existing storm water management facilities that do not meet current requirements	Bureau of Resource Management	Ongoing	• County	ONGOING
Identify owners of repetitive loss properties who are interested in participating in future property acquisition and relocation projects with assistance available through the federal Flood Mitigation Assistance (FMA) program, in addition to other flood protection measures.	Office of Public Safety Support Services Emergency Management Division	Continuous	• County • State • Federal	ONGOING
Identify owners of properties with structures in the floodplain – other than identified repetitive loss properties -- who are interested in participating in future property acquisition and relocation projects.	Office of Public Safety Support Services Emergency Management Division	Continuous	• County • State • Federal	ONGOING
Where relocation is not feasible, educate property owners with structures in the floodplain on elevating those structures to reduce flood damage through dry and wet flood-proofing techniques and the benefits of each. Dry flood- proofing techniques may be applied to non-residential properties only; residential structures must be elevated.	Office of Public Safety Support Services Emergency Management Division	Continuous	• County • State • Federal	ONGOING

Lower-Priority Mitigation Measures for Future Consideration-County and Municipal

- Preserve and restore floodplains to protect the functioning of natural systems to mitigate flooding on properties that do not go through the development process. (BRM & Towns) **ONGOING**
- Raise low-lying bridges to decrease the likelihood that large objects carried by floodwaters will lodge against a bridge and subsequently dam the river course. (DPW & Towns) **ONGOING**
- Identify bridges at risk from flood, identify enhancements, and implement projects needed to reduce the risks. (DPW & Towns) **ONGOING**
- Support federal legislation limiting payments for repetitive losses. (OPS) **ONGOING**
- Review and update building codes to accurately reflect requirements of the National Flood Insurance Program (BPI) **ONGOING**
- Work with SHA to identify areas of frequent roadway flooding and develop mitigation strategies. (DPW) **ONGOING**
- Provide additional means of access into existing neighborhoods in flood-prone areas to prevent residents from becoming trapped during a flood event. (DPW, BCP, & Towns) **ONGOING**
- Construct, where possible, berms around flood-threatened water or wastewater treatment plants to avoid inundation of the local water or wastewater plant. (DPW & Towns) **ONGOING**
- Relocate, where possible, flood-threatened water or wastewater treatment plants to avoid inundation of the local water or wastewater plant. (DPW & Towns) **ONGOING**
- Install watertight covers or inflow guards on sewer manholes, and/or raise manhole openings that are not located within roadways onto concrete pillars to prevent floodwaters from infiltrating sewerage pipes and causing sewer overflow, pipe pressurization, and household surcharge of untreated wastewater. (DPW & Towns) **ONGOING**