

6 Bellwood 2021 MJ-HMP Jurisdictional Annual Report

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Annual Reporting Year: 2021

Background: Cook County and participating municipalities in the county developed a hazard mitigation plan to reduce risk from all hazards by identifying resources, information, and strategies for risk reduction. The federal Disaster Mitigation Act of 2000 requires state and local governments to develop hazard mitigation plans as a condition for federal disaster grant assistance. To prepare the plan, the participating partners organized resources, assessed risks from natural hazards within the county, developed planning goals and objectives, reviewed mitigation alternatives, and developed an action plan to address probable impacts from natural hazards. By completing this process, these jurisdictions maintained compliance with the Disaster Mitigation Act, achieving eligibility for mitigation grant funding opportunities afforded under the Robert T. Stafford Act.

Purpose: The purpose of this report is to provide an annual update on the implementation of the action plan identified in the Cook County Multi-Jurisdictional Hazard Mitigation Plan. The objective is to ensure that there is a continuing and responsive planning process that will keep the Hazard Mitigation Plan dynamic and responsive to the needs and capabilities of the partner jurisdictions. This report discusses the following:

- Natural hazard events that have occurred within the last year
- Changes in risk exposure within the planning area (all of Cook County) Mitigation success stories
- Review of the action plan
- Changes in capabilities that could impact plan implementation
- Recommendations for changes/enhancement.

Hazard Analysis

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2019 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

Flood: We have experienced roadway flooding on main thoroughfares. Village Hall has also experienced flooding due to the creek nearby. In addition, we have experienced flooding along the creek onto the highway.

Extreme Heat: Our town is particularly susceptible to the impacts of extreme heat because of our community's large elderly population (10% are 65 or older).

Extreme Cold: Similar to the case of extreme heat, our large elderly population renders our town vulnerable to extreme cold.

Severe Weather, Wind, and Tornado: In 2006, trees and tree limbs were blown down at the intersection of 22nd and Madison due to severe wind.

Earthquake: While no occurrence has happened, given the magnitude of the impact an earthquake would have on the area, public preparedness through awareness on preventative measures can be increased.

Natural Hazard Events in 2021

Instructions: Please use the **Edit** Tool to describe new hazard occurrences/incidents from the past year that have impacted your jurisdiction and had a measurable impact on people or property. (Example: A tornado occurred on [Date] and impacted [insert area] and caused damage to [insert damages]). You may also use the Edit Tool to suggest any modifications/improvements to the hazards unique to your community, as described below from the 2019 plan.

Describe 2021 Natural Hazard Events Here: [Type Here]

Mitigation Strategies and Actions

The heart of the mitigation plan is the mitigation strategy, which serves as the long-term blueprint for reducing the potential losses identified in the risk assessment. The mitigation strategy describes how the community will accomplish the overall purpose, or mission, of the planning process.

New Mitigation Actions

Please submit [here](#)

Ongoing Mitigation Actions

The following are ongoing actions. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed. Reviewers of this report should refer to the Hazard Mitigation Plan for more detailed descriptions of each action and the prioritization process. Address the following for each mitigation action:

- Was any element of the action carried out during the reporting period?
 - If no action was completed, why?
 - Is the timeline for implementation or the action still appropriate?
 - If the action was completed, does it need to be changed or removed from the action plan?
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TABLE: HAZARD MITIGATION ACTION PLAN MATRIX

Completion status legend:
N = New **O** = Action Ongoing toward Completion
C = Project Completed **R** = Want Removed from Annex **X** = No Action Taken

2021 Status	2020 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action B5.1 —Identify Floodplain Manager.								
Status Description: Can be Removed								
-	-	Completed	Flood	3, 5, 9	Building Department	Low	General Fund	Completed
Action B5.2 —Complete Addison Creek Project.								
Status Description:								
O	Ongoing	Ongoing	Flood	3, 8, 9	MWRD	\$130,000,000; High	MWRD-Phase II, FEMA Grants, General Fund	2021-2022
Action B5.3 —Maintain compliance and good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.								
Status Description: The village reviews all permits for work in the indicated flood plain areas in accordance with the ordinance revisions adopted in March 2019								
-	Completed	Ongoing	Flooding	4, 6, 9	Building Department	Low	General Fund	Short-term; Ongoing
Action B5.4 —Consider Participation in the Community Rating System (CRS) program.								
Status Description:								
O	Ongoing	Ongoing	Flood	1, 3, 5, 6, 9, 10, 11	Building Department	Low	General Fund	Short-term
Action B5.5 —Create and disseminate public information on earthquakes and the mitigation of its risk.								
Status Description:								
O	Ongoing	Ongoing	Earthquake	6, 7, 8	Bureau of Emergency Management	Low	General Fund, DHSEM	Short-term
Action B5.6 —Participate in Storm Ready Program.								
Status Description:								
O	Ongoing	Ongoing	Severe Weather, Severe Winter Weather, Flood, Tornado	1, 2, 5, 8, 11	Bureau of Emergency Management	Medium	General Fund, NWS	Short-term
Action B5.7 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description:								
O	Ongoing	Ongoing	Flooding, Severe Weather	3, 6, 9	Village of Bellwood	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action B5.8 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
Status Description:								
-	Completed	Completed	All	3, 4, 6, 10, 13	Community Development & Human Resources	Low	General Fund	Completed
Action B5.9 —Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.								
Status Description:								

O	Ongoing	Ongoing	All	7, 13	Village of Bellwood	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action B5.10 —Continue to support the countywide actions identified in this plan.								
Status Description:								
O	Ongoing	Ongoing	All	All	Village of Bellwood	Low	General Fund	Short and long-term
Action B5.11 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
O	Ongoing	Ongoing	All	3, 4, 6	DHSEM, Village of Bellwood	Low	General Fund	Short-term
Action B5.12 —Install Emergency Generator to maintain critical communication and utilities to the HS-EMA HQ.								
Status Description:								
O	Ongoing	New	Widespread Power Outrage	1, 5	HS-EMA	\$200,000; High	Local Funding not available	6-9 months
Action B5.13 —Utilize storm sewer assessment to inform and implement flood mitigation projects and installation of storm sewers.								
Status Description:								
O	Ongoing	New	Flood, Ice Storms	9	Bellwood PW	Unknown; High	Local funds currently not available	18 months
Action B5.14 —Improve the Addison Creek Reservoir.								
Status Description:								
O	Ongoing	New	Flood	9	MWRD	\$63,280,000; High	Unknown	Unknown
Action B5.15 —Implement Addison Creek Channel Improvements.								
Status Description:								
O	Ongoing	New	Flood	9	MWRD	\$43,400,000; High	Unknown	Unknown
Action B5.16 —To retain excess flood waters until said waters can be diverted back into the environment								
Status Description:								
New	-	-	Flood	1, 2, 3, 5, 6	Public Works	-	Grants	2022-2023
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.								

Mitigation Success Stories: Examples of mitigation success stories include, but are not limited to: received a Grant, completed a major mitigation project, etc.

Future Needs: Examples of future needs include, but are not limited to: receiving training to better understand the mitigation grant application process, studies that may be needed to better understand hazards/risks, etc.

6.1 Action B5.16

Mitigation Action	To retain excess flood waters until said waters can be diverted back into the environment
Year Initiated	2021
Applicable Jurisdiction	Bellwood
Lead Agency/Organization	Public Works
Supporting Agencies/Organizations	-
Applicable Goal	<ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects. • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events. • Develop, promote, and integrate mitigation action plans. • Promote public understanding of and support for hazard mitigation.
Potential Funding Source	Grants
Estimated Cost	-
Benefits (loss avoided)	loss of personal property and reduce flooding
Projected Completion Date	2022-2023
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
Cost Analysis (Low, Medium, High)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	bio retention project will be constructed to reduce flooding in critical areas within the village of Bellwood. To reduce the loss of property to resident and business in the critical areas.
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Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

Mitigated Hazards

All Hazards	
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident