

# 6 South Barrington 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 2020 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.

**Dam/Levee Failure:** We have been concerned about the potential for a dam/levee failure at Covered Bridge Road (Sunset Farm subdivision) and at Poplar Creek (overtopping has occurred at both locations). Our dam/levee has overtopped at Covered Bridge Road - a separate lake on the Creek -which often results in floods with lake overflow (Poplar Creek Branch).

**Flood:** We have experienced flooding at the Spring Creek Subdivision as a result of detention basin backups and overall lack of volume due to flash flood and high rainfall rates.

**High Winds:** In general, many mature trees along roadways are vulnerable to high winds that have led to trees and branches blocking roadways.

**Snow:** The jurisdiction-specific impacts of snow-related hazards depend on the selection of contractors for plowing services (no Public Works Dept.)

**Ice Storms:** Likewise, the jurisdiction-specific impacts of ice storms are contingent on the selection of contractors for salting services.

## 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: 7/28 and 8/10

The Village of South Barrington experienced a high-wind storm on two occasions during 2021. The first event was on July 28, 2021 and the second on August 10, 2021. The results from both heavy wind storms was several downed trees and tree limbs in the village. The village's trees located in the right-of-way were impacted and required removal of large branches.

## 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 2021 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?

**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)
<b>Action S5.1</b> —Establishment of an Emergency Operations Center at the South Barrington Village Hall.								
<b>Status Description:</b>								
<b>2021: Emergency Operations Center is an established location at the South Barrington Village Hall. Facility will be utilized in an emergency situation.</b>								
O		Completed and Ongoing	All	1, 5	Village of South Barrington	\$5,000; Low	Donations and General Fund Revenue Sources	Completed and Ongoing
<b>Action S5.2</b> —Continuation of the Code Red Emergency Notification System. The Village continues to utilize the Code Red System to notify residents of emergency events.								
<b>Status Description:</b>								
<b>2021: The Code Red Emergency Notification System is being utilized by the Village to notify residents of community threats and in the event of a natural disaster. Ongoing.</b>								
O		Ongoing	All	1, 5, 6	Village of South Barrington	\$3,600; Low	General Fund Revenue Sources	Ongoing
<b>Action S5.3</b> —Explore Implementation of an Outdoor Emergency Siren Warning System.								
<b>Status Description:</b>								
<b>2021: Item is still in discussion as a future consideration.</b>								
X		Ongoing Study	All	1, 5	Village of South Barrington	\$100,000; High	General Fund Revenue Sources	Long-term
<b>Action S5.4</b> —Continuation of the Annual Drainage Improvement Program in conjunction with the Annual Road Improvement Program. This program evaluates existing and potential flooding areas throughout the Village to improve drainage.								
<b>Status Description:</b>								
<b>2021: Continuing to evaluate road and ditch conditions along with culvert maintenance to be pro-active in addressing potential flooding situations.</b>								
<b>In addition the Building Officer has catalogued all storm water structures noting necessary repairs.</b>								
<b>The Village is working with Cuba Township to make annual incremental repairs to the storm sewer system.</b>								
O		Ongoing	Flood, Severe Weather, Dam Failure	1, 2, 9	Village of South Barrington	\$50,000; Low	General Fund Revenue Sources	Ongoing
<b>Action S5.5</b> —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.								
<b>Status Description:</b>								
<b>2021: Under consideration by the Village, however there are few if any properties meeting this type of identification.</b>								
X		Ongoing Evaluation	All	7, 13	Village	Unknown	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
<b>Action S5.6</b> —Continue to support the countywide actions identified in this plan.								
<b>Status Description:</b>								
<b>2021: Support for countywide actions is ongoing.</b>								
O		Ongoing	All	All	Village	Low	General Fund	Short- and long-term
<b>Action S5.7</b> —Actively participate in the plan maintenance strategy identified in this plan.								

<b>Status Description:</b>								
<b>2021: Continuing active participation in plan maintenance strategy.</b>								
O		Ongoing	All	3, 4, 6	DHSEM, Village	Low	General Fund	Short-term
<b>Action S5.8</b> —Consider participation in incentive-based programs such as the Community Rating System (FEMA Floodplain Program), Tree City, and StormReady (National Weather Service).								
<b>Status Description:</b>								
<b>2021: Tree City recognition has been achieved beginning in 2019.</b>								
O		Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village	Low	General Fund	Long-term
<b>Action S5.9</b> —Maintain 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.								
<b>Status Description:</b>								
<b>2021: Actively participating in the National Flood Insurance Program.</b>								
O		Ongoing	Flooding	4, 6, 9	Building Department	Low	General Fund	Short-term and ongoing
<b>Action S5.10</b> —Where feasible, implement a program to record high water marks following high-water events.								
<b>Status Description:</b>								
<b>2021: This action would be considered for future implementation. Installation of weather station can also assist with weather data, specifically for rainfall.</b>								
X		Ongoing	Flooding, Severe Weather	3, 6, 9	Village	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
<b>Action S5.11</b> —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
<b>Status Description:</b>								
<b>2021: Integration of the hazard mitigation plan into other plans will be accomplished during routine updates of other plans, programs and/or resources applicably to land use redevelopment.</b>								
<b>The Village is currently undergoing an update of the Comprehensive Plan with anticipated completion in 2022.</b>								
O		Ongoing	All	3, 4, 6, 10, 13	Village	Low	General Fund	Short-term
<b>Action S5.12</b> —Secure Agreements for Back-Up Water Supply								
<b>Status Description:</b>								
<b>2021: Letters of commitment have been received for emergency bottled water suppliers.</b>								
<b>Updates for 2021 will be pursued.</b>								
O		Ongoing	All Hazards, Widespread Power Outage	1	Village of South Barrington	\$5,650; Medium	Local Funds	2020
<b>Action S5.13</b> —Install a Tornado warning system (siren), create mapping and maintain channels, and execute preemptive large tree trimming								
<b>Status Description:</b>								
<b>2021: Installing a Tornado warning system (siren) is a future consideration. The Village has mapping capability and is actively maintaining drainage channels. Preemptive large tree trimming has been considered, however the Village practice has been to address immediate tree trimming issues that encroach into roadways or create other hazardous conditions.</b>								
X		New	Dam/Levee Failure, Flood, High Wind, Tornado, Widespread Power Outage	5, 13	Local	\$300,000; High	Grant	2021-2024
<b>Action S5.14</b> —Execute and maintain a contract for monthly clearance of storm drain inlets.								
<b>Status Description:</b>								
<b>2021: The Village is maintaining a contract for clearance of storm drain inlets as needed.</b>								
O		Ongoing	Flood, Ice Storms	3, 9	Village of South Barrington	\$3,000; Low	Local Funds	Ongoing

<b>Action S5.15</b> —Secure trees and relocate invasive species.								
<b>Status Description:</b>								
<b>2021: The Village is actively addressing right-of-way tree issues and securing same to reduce any hazards. Private property trees are enforced through Code Enforcement actions when necessary. The Village is actively working with the County to remove invasive species.</b>								
O		New	Flood	13	Village of South Barrington	\$1,000; Low	Local Funds	2020
<b>Action S5.16</b> —Install a Local Weather Station								
<b>Status Description:</b>								
<b>2021: The Village has installed a Weather Station on Village Hall property (2019) and continues to utilize the information supplied by the station.</b>								
O		Ongoing	All, Flood, Lightning, Snow, Extreme Cold	5, 6	Village of South Barrington	\$1,000; Low	Local Funds	Ongoing
(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.

The Village is anticipating approval of a state grant in 2021 to pay for repairs to a covered bridge structure in the Sunset Ridge subdivision in the amount of \$20,000. The repairs necessary are to secure the structure itself to existing columns with fabricated steel brackets that replace the original brackets. Also to be repaired is the concrete weir that allows lake water to rise and fall into a drainage structure that feeds into a creek that flows south. The repair will involve a coffer dam, concrete replacement and rebar replacement.

The Village continues to maintain and improve its existing system of dry hydrants. Working with the Barrington Countryside Fire Protection District, the Village takes the results of the fire districts tests on the dry hydrants and works with a contractor to repair dry hydrants that do not meet standard flow specifications. Six dry hydrants were repaired in 2021.

The Village completed its 2021 tree maintenance program and is working toward a village-wide comprehensive tree-trimming program to raise the tree canopy and address dead trees and branches that have the potential to create a hazard in high winds.

A beaver dam in the Sunset Ridge Farms subdivision created a flooding situation that impacted several resident properties. With the aid of a trapper, the beaver dam problem was addressed. The existing dam had been holding back approximately four feet of water.

**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.

Continue individual training in emergency management, event documentation and development of mitigation strategies.

Grant training is an ongoing need as programs expand their scope.