

6 Midlothian 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: Areas in the Village that are prone to flooding include the following: Natalie Creek (147th to 149th), Cicero. Midlothian Creek (149th to Waverly Ave, Keeler Ave. to Kenton Ave), Tributary Creek (LaVergn to Central, from 145th to Midlothian Turnpike). and Jolly Homes (150th to 154th, Pulaski to Central Park).

High Winds: In particular, the Village's older community is vulnerable to the impacts of high winds due to their proximity to a large tree canopy. Moreover, the community is at risk of experiencing power outages as a result of high winds causing tree limbs to fall.

Snow: The Village has experienced winter flooding due to snow and rain and quick snowmelt. Recently, in Feb 2017 and Feb 2018, Midlothian suffered significant flooding due to snow and rain and snowmelt.

Extreme Cold: The Village is vulnerable to the impacts of extreme cold due to its old water main infrastructure. The Village has also experienced disruptions in local services due to extreme cold.

Tornado: All of Cook County are at high risks of tornadoes. The village has implemented a CODE RED early warning communications system to alert our residents of hazardous incidents. The Army Core of engineers funded the installation of a Stream & Rain Gauge in 2015 with the ability to set up early warning notifications.

Severe Weather: Extensive damage was sustained from two separate lines of thunderstorms on Monday, June 30th 2014 which was officially determined to be from two separate derecho events. During these two events, 80 to 110 MPH straight line winds along with several tornadoes of up to EF-1 intensity produced wind damage from Central Iowa east into Michigan and Ohio.

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?

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 Tak

2021 Status	2020 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action M7.1 —Ensure that new development be designed to reduce or eliminate flood damage by requiring lots and rights-of-way to be laid out for the provisions of approved sewer and drainage facilities, providing on- site detention facilities.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flood	3, 4, 9, 12, 13	Village Engineer	Low	Developer	Long-term
Action M7.2 —Adopt Cook County Watershed Ordinance to control release rates and ensure a region wide approach to new development designed to reduce the impacts of flooding.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flood	3, 4, 8, 9, 12, 13	Village Board	Low	Developer	Short-term
Action M7.3 —Partner with the City of Oak Forest and MWRD to find upstream detention and enlarge storm water capacity and conveyance to relieve breakout flooding on Natalie Creek at 149th & Kilpatrick which leads to much downstream residential damage.								
Status Description:								
Completed	Completed	Completed	Flood	3, 4, 8, 9, 12, 13	Public Works	High	MWRD	Short-term
Action M7.4 —Partner with MWRD to resolve breakout flooding on Natalie Creek at 149th & Kilpatrick with installation of upstream detention and storm sewer diversion from Kilpatrick to Pulaski.								
Status Description:								
Completed	Completed	Completed	Flood	3, 4, 9, 12, 13	MWRD/PW	High	MWRD	Long-term
Action M7.5 —In the absence of flooding resolve the Village may consider property acquisition in areas that experience repetitive flooding damage.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flood	3, 4, 9, 12, 13	Admin	High	FEMA Grant	Long-term
Action M7.6 —Relieve Flooding on 151st St. Springfield to Lawndale by finding a new outfall, detention or conveyance for an overtaxed storm sewer system.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flood	3, 4, 9, 12, 13	PW/Village Engineer	High	FEMA Grant	Long-term
Action M7.7 —Enhance Village website to improve communication with residents about issues relative to weather related emergencies and Hazard Mitigation.								
Status Description:								
Ongoing	Ongoing	Ongoing	All Hazard	5, 6	Admin	Low	General	Short-term
Action M7.8 —Pursue engineering to remove of a portion of the Northeast quadrant from the Floodplain that never floods.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flood	3, 4, 6	Admin/PW	Low	MWRD	Long-term
Action M7.9 —Initiate both public and private sector Long Term Operations & Maintenance plans for sanitary sewer prevention of inflow and infiltration, including but not limited to sewer televising, lining, and manhole rehabilitation.								
Status Description:								
Ongoing	Ongoing	Ongoing	All Hazards	3, 4, 9, 12, 13	PW/Village Engineer	Medium	Sewer Fund	Short-term
Action M7.10 —Install early warning system for Natalie Creek flood levels that would alert PW supervisors the creek has risen to levels that need immediate attention.								
Status Description:								
Completed	Completed	Completed	Flood	3, 4, 9, 12, 13	PW	Medium	General/CIP	Completed
Action M7.11 —Replace emergency generator at Midlothian PW Garage to enable ongoing uninterrupted operations in the event of loss of power.								

Status Description:								
Completed	Completed	Completed	All Hazards	1, 2, 5	PW	Medium	General/CIP	Completed
Action M7.12 —Village will continue to support Green Infrastructure as a means to control both the quantity and quality of our storm water.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flood	3, 4, 9, 10, 13	Bldg./Pw	Low	General	Ongoing
Action M7.13 —Village will consider entering the Community Rating System Program.								
Status Description:								
Completed	Completed	Completed	All Hazards	6, 8, 10, 11	Bldg./Engineer	Medium/Low	General	Short-term
Action M7.14 —Incorporate Hazard Mitigation Plan in to General Plan or Comprehensive Plan.								
Status Description:								
Ongoing	Ongoing	Ongoing	All Hazards	3, 4, 10	Admin	Low	General	Short-term
Action M7.15 —Continue to support Mutual Aid across all Police, Fire and Public Works.								
Status Description:								
Ongoing	Ongoing	Ongoing	All Hazards	1, 8	Police/Fire/Public Works	Low	General	Short-term
Action M7.16 —Continue to support the implementation, monitoring, maintenance, and updating of this Plan								
Status Description:								
Ongoing	Ongoing	Ongoing	All Hazards	All	PW	Low	General	Ongoing
Action M7.17 —Initiate an Early Warning System for residents such as Reverse 911								
Status Description:								
Completed	completed	Completed	Tornado	1, 5	Fire,Police	Medium	FEMA	Long-term
Action M7.18 —Public Works will lower water services to avoid disruption of service from severe cold weather.								
Status Description:								
Ongoing	Ongoing	Ongoing	Winter	2, 12	PW	Low	General	Short-term
Action M7.19 —Village will consider a Tree Ordinance with intention of becoming qualified for Tree City USA status								
Status Description:								
Completed	completed	Completed	Severe Weather	11, 12, 13	PW	Low	General	Short-term
Action M7.20 —Flood mitigation project for the Tributary C water shed. This area is from Central Ave to Lavergne Ave from 145th St to the Midlothian Turnpike.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flood	2, 3, 12, 13	MWRD	4-5 million dollars; High	MWRD Phase 2 Program	Ongoing
Action M7.21 —Flood Control along Natalie Creek								
Status Description:								
completed	ongoing	New	Flood	2, 3, 12, 13	MWRD	\$7,629,000; High	MWRD	Long-term
Action M7.22 —Flood Control on Calumet-Sag Tributary C								
Status Description:								
Ongoing	Ongoing	New	Flood	2, 3, 12, 13	MWRD	TBD	MWRD	Long-term
Action M7.23 —Keystone Ave. Permeable Parking Lot								
Status Description:								
cancelled	Ongoing	Ongoing	Flood	13	MWRD	TBD	MWRD	Long-term
Action M7.24 —Jolly Homes 151st St flood mitigation								
Status Description:								
Ongoing	Ongoing	New	Flood	2, 3, 12, 13	Village of Midlothian	6,022,000; High	Grants, Local Funds	TBD
Action M7.25 —Belly Button Hill/Kostner Park flood mitigation								
Status Description:								
Ongoing	Ongoing	New	Flood	2, 3, 12, 13	Village of Midlothian	5,560,000; High	Grants, Local Funds	TBD

Action M7.26—Bremen Heights flood mitigation.

Status Description:

Ongoing	Ongoing	New	Flood	2, 3, 12, 13	Village of Midlothian	2,370,000; High	Grants, Local Funds	TBD
(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 was successful in securing a CDBGDR grant from Cook County/FEMA for over \$500,000.00 for phase 1 engineering for the Jolly Homes 151st street flood mitigation project.

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.