

CRS Activity 510
Annual Progress Report on Implementation of Credited Plan

Which Plan is this for (use separate templates for each credited Plan):

- Floodplain Management Plan (Hazard Mitigation Plan)**
- Repetitive Loss Area Analysis**
- Floodplain Species Plan**
- Substantial Damage Plan**

Name of Community: *Village of Northbrook –CID 170132*

Date this Annual Progress Report was prepared: *November 17, 2021*

Name of Plan: *Cook County Multi-jurisdictional Hazard Mitigation Plan Volume 2 – Municipal Annexes – Northbrook Annex*

Date of Adoption of Plan: *July 2019*

5 Year CRS Expiration Date: *February 1, 2025*

1. How can a copy of the credited Plan be obtained: *The 2019 Cook County Multi-jurisdictional Hazard Mitigation Plan Volume 1 and Volume 2 – Municipal Annexes – Northbrook Annex is located on the on Cook County Hazard Mitigation Plan website: Volume 1 - <https://www.cookcountyemergencymanagement.org/hazard-mitigation-plan> Volume 2 - <https://cookcountyemergencymanagement.org/2019-volume-2-annexes>*

The documents web links can also be located on the Village's website on the Fire Departments webpage under Village Government. <https://www.northbrook.il.us/258/Fire>

2. Describe how **this annual progress report** (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public: *This evaluation report is prepared by the Village of Northbrook's Fire Department and Public Works staff. This report was submitted to the Cook County's Department of Emergency Management and Regional Security (DEMRS). It has been made available to the media and general public on the Village of Northbrook's website posted on both the floodplain information and Fire Department's webpage. www.northbrook.il.us.*
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: *Please see the Hazard Mitigation Action Plan Matrix (below).*

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX

<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>									
2021 Status	2020 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	
Action N3.1 —Integrate the hazard mitigation plan into other plans, ordinances, or programs to dictate land uses within the jurisdiction									
Status Description:									
O	O	Ongoing	All	3, 4, 6, 10, 13	Fire, Public Works	Low	Local	Ongoing	
Action N3.2 —Update the municipality's emergency operations center									
Status Description:									
2020: Completed									
C	C	Ongoing	All	1, 2, 5, 8	Fire	Low	Local	Short-term	
Action N3.3 —Increase capability for snow removal.									
Status Description:									
O	O	Ongoing	Severe Winter Weather	1, 6, 11	Public Works	High	FEMA Hazard Mitigation Grant Funds	Long-term	
Action N3.4 —Strive to capture perishable data after significant hazard events to support future updates to the risk assessment of this plan									
Status Description:									
O	O	Ongoing	All	3, 6, 8	Planning, Public Works	High	General revenue, FEMA Grants	Long-term and ongoing	
Action N3.5 —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. Moved to Class 6 Rating from Class 7 in 2021.									
Status Description:									
O	O	Ongoing	Flood	3, 4, 6, 7, 9	Planning, Public Works	Low	Local	Ongoing	
Action N3.6 —Consider the development of a post-disaster action plan, including a debris management plan									
Status Description:									
O	O	Ongoing	All	1, 6, 8	Public Works	Low	Local	Long-term	
Action N3.7 —Maintain the municipality's tornado warning system									
Status Description:									
O	O	Ongoing	Severe Weather, Tornado	1, 5, 6, 12	Police, Fire	Low	Local	Ongoing	
Action N3.8 —Continue to support the countywide actions identified in this plan									
Status Description:									
O	O	Ongoing	Multi-Hazard	All	All Departments	Low	Local	Ongoing	
Action N3.9 —Establish and continue partnerships between public and private sectors including CERT									

Status Description:									
O	O	Ongoing	Multi-Hazard	3, 6, 8, 13	All Departments	Low	Local	Ongoing	
Action N3.10 —Strive to implement processes or structures to protect high-risk areas affected by floods									
Status Description:									
O	O	Ongoing	Flood	2, 3, 6, 7, 9, 10	Planning, Public Works	High	General revenue, Grants	Long-term	
Action N3.11 —Actively participate in the plan maintenance strategy identified in this plan.									
Status Description:									
O	O	Ongoing	All	3, 4, 6	DHSEM, Village	Low	General Revenue	Short-term	
Action N3.12 —Implement Blackthorn Lane Stormwater Project Improve street drainage collection system.									
Status Description:									
2020: Complete									
C	C	New	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$263,000; Low	Bonds	October 2019	
Action N3.13 —Implement Williamsburg Drive/Old Post Road Stormwater Management Project (Master Stormwater Management Plan Project 21).									
Status Description: This project was removed from the MSMP Project list as it was re-evaluated as having list cost benefit for the proposed improvements.									
C	C	New	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$270,000; Low	Grants, Local Funds	2025	
Action N3.14 —Implement Brittany Road Stormwater Management Project (Master Stormwater Management Plan Project 24).									
Status Description:									
2020: Completed									
C	C	New	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$319,870; Low	Grants, Local Funds	2020	
Action N3.15 —Implement Dehne Subdivision Stormwater Management Project (Master Stormwater Management Plan Project 24).									
Status Description:									
2020: Complete									
C	C	New	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$420,35; Low	Grants, Local Funds	2019	
Action N3.16 —Implement First Street/Center Avenue Stormwater Management Project (Master Stormwater Management Plan Project 24).									
Status Description:									
2020: Ongoing									
C	O	New	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$567,000; Low	Grants, Local Funds	2021	
Action N3.17 —Implement Landwehr Road/Sunset Trail Intersection Stormwater Management Project (Master Stormwater Management Plan Project 26).									
Status Description:									
2020: Completed									

O	O	New	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$525,250; Low	Grants, Local Funds	2021
Action N3.18 —Implement Longvalley Drive Stormwater Management Project (Master Stormwater Management Plan Project 27).								
Status Description:								
2020: Complete								
C	C	N	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$16,440; Low	Grants, Local Funds	2019
Action N3.19 —Implement Second Street Culvert Replacement.								
Status Description: This project was removed from the MSMP Project list as a dedicated easement could not be acquired.								
O	O	N	Flood	2, 3, 4, 7, 12, 13	Village of Northbrook	\$373,933; Low	Grants, Local Funds	2020
Action N3.20 —Implement Surrey Lane Stormwater Management Project (Master Stormwater Management Plan Project 28).								
Status Description:								
2020: Completed								
C	C	N	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$130,902; Low	Grants, Local Funds	2020
Action N3.21 —Implement Wendy Drive Stormwater Management Project (Master Stormwater Management Plan Project 28).								
Status Description:								
2020: Completed								
C	C	N	Flood	2, 3, 4, 12, 13	Village of Northbrook	\$765,000; Low	Grants, Local Funds	2020
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.								

- Objectives:**
1. Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management.
 2. Increase the resilience of (or protect and maintain) infrastructure and critical facilities.
 3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change.
 4. Integrate hazard mitigation policies into land use plans in the planning area.
 5. Develop, improve, and protect systems that provide early warnings, emergency response communications, and evacuation procedures.
 6. Use the best available data, science and technologies to educate the public and to improve understanding of the location and potential impacts of natural hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life safety.
 7. Retrofit, purchase, or relocate structures in high hazard areas, including those known to be repetitively damaged.
 8. Establish partnerships among all levels of local government, the private sector, and/or nongovernmental organizations to improve and implement methods to protect people and property.
 9. Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans.
 10. Strengthen codes and land use planning and their enforcement, so that new construction or redevelopment can avoid or withstand the impacts of natural hazards.
 11. Encourage mitigation through incentive-based programs, such as the Community Rating System, Firewise, and StormReady programs.
 12. Reduce natural hazard-related risks and vulnerability to potentially isolated populations within the planning area.
 13. Encourage hazard mitigation measures that result in the least adverse effect on the natural environment and that use natural processes.

4. Discuss why any objectives were not reached or why implementation is behind schedule: *The stormwater projects outlined in the Master Stormwater Management Plan are reassessed prior to design to determine available funding, expansion of project scope, and acquisition of property and/or easements if the objectives cannot be met it will be attributed to project delays, or relinquishment of the project. When possible, the Village takes and applies for grant funding which can be slow to obtain and fund. Village funding remains tight and large-scale costly projects must be phased in CIPs over multiple years..*

5. What are the recommendations for new projects or revised recommendations? *The Stormwater Management Commission is in the process of selecting stormwater projects to address localized flooding through an Addendum No. 3 for the Master Stormwater Management Plan. These projects will be included in the Hazard Mitigation Plan and constructed over the next couple of years.*