

Elk Grove Village

Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
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Jurisdiction Profile

The following is a summary of key information about the jurisdiction and its history:

Date of Incorporation: 1956

Current Population: The 2020 U.S. Census population was 32,820. The 2022 U.S. Census estimate indicated the population was 31,659.

Population Growth: The overall population has decreased 12.64 percent between 2018 and 2022.

Location and Description: The Village follows a jagged border roughly outlined by Interstate 90 to the north, O'Hare Airport to the east, Thorndale Avenue to the south and Plum Grove Avenue to the west. In addition to O'Hare Airport the Village shares borders with the municipalities of Rolling Meadows, Arlington Heights, Mount Prospect, Des Plaines, Bensenville, Wood Dale, Itasca, Roselle and Schaumburg and also borders Busse Woods Forest Preserve.

Brief History: Named for the native elk that roamed the northern Illinois forests and grasslands, Elk Grove Village was initially settled in 1834 by pioneer New England farmers. By 1848, German-immigrant farmers soon settled in the area, establishing a thriving community that would eventually become Elk Grove Village. The rural community transformed into a center of commerce when Douglas Aircraft built a military transport manufacturing plant in nearby Orchard Place during World War II. Following the war, the industrial facility and land was sold for \$1 to the City of Chicago as war surplus. The location would then become the world's busiest airport – O'Hare International Airport. The phenomenal expansion of O'Hare during the 1950s and 1960s closely parallels Elk Grove Village's growth as a successful community and leading Midwest industrial center. The Village's expansion is also attributed to an enterprising group of Dallas-based land developers that selected Elk Grove Village as its site for a planned community during the 1950s. Centex Corporation chose the Village because of its proximity to rail, the new air facilities, and major highways. The group acquired 1,500 continuous acres of land to build residential and industrial sections of the community, leading to Elk Grove Village's incorporation in 1956. A master plan for the controlled growth of the Village was initiated and construction of industrial buildings, homes, corporate offices, retail establishments

and schools soon followed. Under the comprehensive plan, the Village was divided in half with residential development to the west and a business park on the east, bordering the airport. Today, those 1,500 acres have increased to almost 7,000 through more than 150 annexations and the small community of 116 original residents is now home to nearly 35,000 people who have come to appreciate the exceptional community of Elk Grove Village. Within the 10.9 square miles of Elk Grove Village, there exist two distinct but still united communities: residential and business. Listed in a recently published book, “Fifty Fabulous Places to Raise Your Family” by Melissa Giovagnoli, Elk Grove was included for its excellent parks and recreation, schools, access to transportation, varied housing stock, vibrant economy, low crime rate, exceptional community service, and small-town atmosphere.

Climate: The weather provides a full four season experience to those in Elk Grove Village. The record high temperature for the area is 105 degrees with the record low temperature of 27 degrees below zero. Since the year 2000 the area has averaged about 40-inches of snow per winter.

Governing Body Format: The Village is governed by a Mayor and six member Board of Trustees elected in staggered four year terms. A Village Manager is hired by the Board to manage the day-to-day operations of the Village. The village operates with 9 departments including: Community Development, Fire Department, Finance Department, Health & Community Services, Human Resources, Police Department, Public Works, Village Managers Office, and the Village Clerk’s Office.

Development Trends: The Village, through the Industrial/Commercial Revitalization Program, has successfully implemented nearly \$55 million in improvements within the Business Park. The work accomplished to date is just part of the revitalization goals established by the Industrial/Commercial Revitalization Commission. The thirteen-member Commission made up of business representatives, residents, and Village officials began revitalization efforts in 1996 with the development of a Master Plan for the modernization and beautification of the Business Park. The original Master Plan targeted \$40 million in investments and the 2011 Updated Master Plan has outlined an additional \$250 million in investments with nearly \$80 million to be implemented over the next 10-years. The business park in Elk Grove Village is the largest consolidated business park in North America. The business park comprises 5.9 square miles (3,776 acres) and continues to expand. There are nearly 3,600 businesses operating in the business park, employing nearly 100,000 persons. In 2018, the business park became the sponsor of the Bahamas Bowl college football bowl game, renaming it the Makers Wanted Bahamas Bowl after the business park's advertising slogan, "Makers Wanted". These improvements will continue to be funded through a 3% telecommunications tax, as well as Federal, State, and County grants. The primary goal of the Industrial Commercial Revitalization Master Plan is to outline the community’s desires for enhancement and maintenance of this critical community asset given its location, physical environment, current and anticipated future market demand to continue to support a highly diversified collection of commercial, retail, office, industrial, and residential uses within a defined district. These goals serve as the guiding principles under which the Elk Grove Village Industrial / Commercial Revitalization Master Plan shall be established and continually evaluated to ensure the successful implementation of its improvement recommendations.

Changes in Community Priorities: There have been no significant changes in priority regarding the hazards that could potentially impact the community or changes in priority regarding resilience.

Capability Assessment

The assessment of the jurisdiction's legal and regulatory capabilities is presented in the *Legal and Regulatory Capability Table* below. The assessment of the jurisdiction's fiscal capabilities is presented in the *Fiscal Capability Table* below. The assessment of the jurisdiction's administrative and technical capabilities is presented in *Administrative and Technical Capability Table* below. Information on the community's National Flood Insurance Program (NFIP) compliance is presented in the *National Flood Insurance Program Compliance Table* below. Classifications under various community mitigation programs are presented in the *Community Classifications Table* below.

TABLE: LEGAL AND REGULATORY CAPABILITY					
	Local Authority	State or Federal Prohibitions	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements					
Building Code	Yes	No	No	Yes	EGVMC - Title 8, Chapter 3, adopted 3/11/2014 Adopted 2018 International Building Code Adopted 2024 Elk Grove Village Zoning Ordinance Adopted 2018 International Fire Code Adopted 2018 International Plumbing Code Adopted 2108 International Mechanical Code Adopted 2023 National Electric Code
Zonings	Yes	No	No	Yes	EGVMC - Zoning Code 3/11/2014
Subdivisions	Yes	No	No	No	EVGMC - Title 8 Chapter 12, adopted 3/11/2014
Stormwater Management	Yes	No	Yes	Yes	State regulates industrial activity from

					Construction sites 1 acre or larger under section 402 CWA. MWRD Regulations
Post Disaster Recovery	No	No	No	No	
Real Estate Disclosure	No	No	Yes	Yes	(765 ILCS 77/) Residential Real Property Disclosure Act.
Growth Management	No	No	No	No	
Site Plan Review	Yes	No	No	No	EGVMC-Title 8 Chapter 12, adopted 3/11/2014
Public Health and Safety	Yes	No	Yes	Yes	Cook County Board of Health. EGVMC-Title 4, adopted: 3/11/2014
Environmental Protection	No	No	No	No	
Planning Documents					
General or Comprehensive Plan	No	No	No	No	
<i>Is the plan equipped to provide integration to this mitigation plan?</i>					N/A
Floodplain or Basin Plan	Yes	No	MWRD	No	
Stormwater Plan	No	No	MWRD	No	Regional stormwater impacts are managed by MWRD. The Village lies within the Upper Salt Creek watershed planning area of MWRD's comprehensive Stormwater Master Planning Program

Capital Improvement Plan	Yes	No	No	No	Bond Issue, Five Year CIP 2023-2028
<i>What types of capital facilities does the plan address?</i>					Infrastructure improvement and replacement
<i>How often is the plan revised/updated?</i>					Annually
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	Yes	No	Yes	Yes	The Economic Development Commission is charged with reviewing all economic development related programs and incentives including tax incentives offered through the Cook County 6b program.
Shoreline Management Plan	No	No	No	No	
Response/Recovery Planning					
Comprehensive Emergency Management Plan	Yes	No	Yes	Yes	EGVMC-Title 5, Chapter 4, adopted 3/11/2014
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County EMRS Preparing THIRA
Terrorism Plan	No	No	Yes	Yes	Cook County EMRS
Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	No	No	Yes	No	Cook County EMRS
Public Health Plans	No	No	Yes	No	Cook County DPH

TABLE: FISCAL CAPABILITY

Financial Resources	Accessible or Eligible to Use?
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Community Development Block Grants	No
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	Yes
Withhold Public Expenditures in Hazard-Prone Areas	Yes
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	No

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY		
Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Community Development
Engineers or professionals trained in building or infrastructure construction practices	Yes	Community Development & Public Works
Planners or engineers with an understanding of natural hazards	Yes	Community Development & Public Works
Staff with training in benefit/cost analysis	No	
Surveyors	Yes	Public Works
Personnel skilled or trained in GIS applications	Yes	VMO
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Fire Department
Grant writers	No	

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Engineering
Who is your jurisdiction's floodplain administrator? (department/position)	Engineering Dept. Director
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	No
When was the most recent Community Assistance Visit or Community Assistance Contact?	4/9/07 12/09/05
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? (If no, please state why)	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	Continued training is always welcomed.

Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?	No; No
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TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Community Development
Who is your jurisdiction's floodplain administrator? (department/position)	Community Development
Are any certified floodplain managers on staff in your jurisdiction?	No.
What is the date of adoption of your flood damage prevention ordinance?	July 15, 2008, Ordinance 3179
When was the most recent Community Assistance Visit or Community Assistance Contact?	01/24/2007
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	No.
Do your flood hazard maps adequately address the flood risk within your jurisdiction? (If no, please state why)	Yes.
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No.
Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?	No; No.

NFIP Participation Activities

Maintaining compliance under the NFIP is an important component of flood risk reduction. All planning partners that participate in the NFIP have identified actions to maintain their compliance and good standing. Cook County entered the NFIP on April 15, 1981. Structures permitted or built in the County before then are called "pre-FIRM" structures, and structures built afterwards are called "post-FIRM." The insurance rate is different for the two types of structures. The effective date for the current countywide FIRM is August 19, 2008. This map is a DFIRM (digital flood insurance rate map). The communities in Cook County that participate in the NFIP are shown in **Table: NFIP Participating Communities in Cook County** in **Volume I** of the Cook County MJ-HMP.

The NFIP makes federally-backed flood insurance available to homeowners, renters, and business owners in participating communities. The communities in Cook County that participate in the NFIP and their "Policies in Force," "Total Coverage," and "Total Written Premiums" are shown in **Table: Cook County Flood Insurance Policies** in **Volume I** of the Cook County MJ-HMP.

Substantial Improvement Rule and the Substantial Damage Rule

The IDNR/OWR has developed a model ordinance for floodplain management, which has been adopted by most communities in Illinois. The ordinance includes the minimum requirements an NFIP participating jurisdiction must adopt and enforce, as well as additional higher regulatory requirements. The optional, higher regulatory standards include a minimum one foot of freeboard above the base flood elevation and cumulative tracking of damage repairs and improvements to

establish substantial damage and substantial improvement compliance. Some jurisdictions have chosen to exceed the requirements of the model ordinance and have adopted more restrictive ordinances. This is most common in the communities in northeastern Illinois.

Existing Municipal Code:

8-11-2: Definitions

SUBSTANTIAL DAMAGE: Damage of any origin sustained by a structure whereby the cumulative percentage of damage subsequent to the adoption of this chapter equals or exceeds fifty percent (50%) of the market value of the structure before the damage occurred regardless of actual repair work performed. Volunteer labor and materials must be included in this determination. This term includes repetitive loss buildings; see definition of "repetitive loss".

SUBSTANTIAL IMPROVEMENT: Any reconstruction, rehabilitation, addition, or improvement of a structure taking place subsequent to the adoption of this chapter in which the cumulative percentage of improvements equals or exceeds fifty percent (50%) of the market value of the structure before the improvement or repair is started.

A. "Substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the building. This term includes structures which have incurred repetitive loss or substantial damage, regardless of the actual work done.

B. This term does not, however, include either:

1. Any project for improvement of a structure to comply with existing State or local Health, Sanitary, or Safety Code specifications which are solely necessary to assure safe living conditions, or
2. Any alteration of a "historic structure" listed on the National Register of Historic Places or the Illinois Register of Historic Places, provided that the alteration will not preclude the structure's continued designation as a historic structure.

8-11-4: Duties of the Director of Community Development

A. Determining The Floodplain Designation:

1. Check all new development sites to determine whether they are in a special flood hazard area (SFHA).
2. If they are in a SFHA, determine whether they are in a floodway, flood fringe or in a floodplain for which a detailed study has not been conducted and which drains more than one square mile.

B. Professional Engineer Review:

1. If the development site is within a floodway or in a floodplain for which a detailed study has not been conducted and which drains more than one square mile, the permit shall be referred to a licensed professional engineer under the employ or contract of the Village for review to ensure that the development meets section 8-11-7 or 8-11-8 of this chapter.

2. In the case of an appropriate use, the PE shall state in writing that the development meets the requirements of section 8-11-7 of this chapter.

G. Substantial Damage And Substantial Improvement Determinations: Establish, in coordination with the Director of Community Development, procedures for administering and documenting determinations, as outlined below, of substantial improvement and substantial damage made pursuant to section 8-11-9 of this chapter.

1. Determine the market value or require the applicant to obtain an appraisal of the market value prepared by a qualified independent appraiser, of the building or structure before the start of construction of the proposed work. In the case of repair, the market value of the building or structure shall be the market value before the damage occurred and before any repairs are made.
2. Compare the cost to perform the improvement, the cost to repair a damaged building to its pre-damaged condition, or the combined costs of improvements and repairs, if applicable, to the market value of the building or structure.
2. Submit data to IDNR/OWR and FEMA for proposed revisions of a regulatory map within six (6) months whenever a modification of the floodplain may change the base flood elevation or result in a change to the floodplain map;
3. Submit reports as required for the National Flood Insurance Program; and
4. Notify FEMA of any proposed amendments to this chapter.

8-11-9 Permitting Requirements Applicable to all Floodplain Areas

In addition to the requirements found in sections 8-11-6, 8-11-7 and 8-11-8 of this chapter for development in flood fringes, designated floodways, and SFHA or floodplains where no floodways have been identified, the following requirements shall be met.

C. Protecting Buildings:

1. All buildings located within a 100-year floodplain, also known as a SFHA, shall be protected from flood damage below the flood protection elevation. This building protection criteria applies to the following situations:
 - a. Substantial improvements or structural alterations made to an existing building that increase the floor area by more than twenty percent (20%) or equal or exceed the market value by fifty percent (50%). Alteration shall be figured cumulatively subsequent to the adoption of this chapter. If substantially improved, the existing structure and the addition must meet the flood protection standards of this section;
 - b. Repairs made to a substantially damaged building. These repairs shall be figured cumulatively subsequent to the adoption of this chapter. If substantially damaged the entire structure must meet the flood protection standards of this section;
 - c. Installing a manufactured home on a new site or a new manufactured home on an existing site (the building protection requirements do not apply to returning a manufactured home to the same site it lawfully occupied before it was removed to avoid flood damage);

- d. Installing a travel trailer or recreational vehicle on a site for more than one hundred eighty (180) days per year; and
- e. Repetitive loss to an existing building as defined in section 8-11-2 of this chapter. This building protection requirement may be met by one of the methods identified in subsections C2 through C8 of this section.

3. A residential or non-residential building may be elevated in accordance with the following:

f. Manufactured homes, and travel trailers to be installed on a site for more than one hundred eighty (180) days, shall be elevated to or above the flood protection elevation; and, shall be anchored to resist flotation, collapse, or lateral movement by being tied down in accordance with the rules and regulations for the Illinois Mobile Home Tie-Down Act issued pursuant to 77 Ill. Adm. Code part 870. In addition, all manufactured homes shall meet the following elevation requirements:

- (1) In the case of manufactured homes placed or substantially improved:
 - a) outside of a manufactured home park or subdivision, b) in a new manufactured home park or subdivision, c) in an expansion to an existing manufactured home park or subdivision, or d) in an existing manufactured home park or subdivision on which a manufactured home has incurred substantial damage from a flood, the top of the lowest floor shall be elevated to or above the flood protection elevation.
- (2) In the case of manufactured homes placed or substantially improved in an existing manufactured home park or subdivision, the manufactured home shall be elevated so that either the top of the lowest floor is above the base flood elevation or the chassis is at least thirty six inches (36") in height above grade and supported by reinforced piers or other foundations of equivalent strength, whichever is less.

TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	ISO	4/4	Feb. 2014
Public Protection/ISO	Yes	ISO 2	2009
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	Yes	N/A	1987

Opportunities to Expand and Improve Capabilities

At this time, the municipality did not include or identify any opportunities to expand and improve capabilities. Plans will be updated in the future should this change.

Plan Integration

The capability assessment describes opportunities to "link" or integrate the mitigation plan into other planning mechanisms. The process and mechanism to identify opportunities to integrate the Cook

County MJ-HMP into other planning mechanisms will occur during the Annual Update Process and be reflected in the Jurisdictional Annual Report each year. Specific plan integration opportunities will include:

- The goals and actions of the Hazard Mitigation Plan will be considered in the next capital improvement planning process.
- The hazards, goals, and actions of the Hazard Mitigation Plan will be considered in the next update of the jurisdiction's land use plans, zoning, and subdivision codes.

Emergency Plan Integration:

Cook County EMRS is supporting communities to develop and update their respective Emergency Operations Plans, Continuity of Operations Plan/Continuity of Government Plan, and Recovery Plan in 2024. This is an ongoing countywide initiative and is being implemented in all municipalities.

Emergency Operations Plan (EOP)

An EOP template was created for all municipalities. The 2019 Cook County MJ-HMP and the hazards in the mitigation plan have been integrated into the Situation and Assumptions section of the EOP. Within that section, the natural hazards based on the 2019 MJ-HMP were added in the Initial Analysis and Assessment and Identification of Hazards section of the EOP. The hazards in the 2019 plan and the 2024 MJ-HMP did not change apart from adding wildfires for the Forest Preserve and unincorporated areas of the County. Future updates of the EOP will take into consideration any additional new natural hazards that are added to subsequent updates to the MJ-HMP.

Continuity of Operations Plan (COOP)

The Continuity of Operations Plan (COOP) for the municipality includes a Situation section that is based on the 2019 Cook County MJ-HMP jurisdictional annex, and specifically the hazards identified in the annex. The COOP-specific risk assessment is hazard-specific and based on likelihood of occurrence and severity of impact.

Recovery Plan

The goals of the Recovery Plan were developed to align with the 2019 Cook County MJ-HMP, and specifically prioritizes the responsibility of officials under this plan to save lives, protect property, relieve human suffering, sustain survivors, repair essential facilities, restore services, and protect the environment. The plan acknowledges that hazard mitigation is an important priority and consideration during the rebuilding process.

Jurisdiction-Specific Natural Hazard Event History

The information provided below was solicited from the jurisdiction and supported by NOAA and other relevant data sources.

The *Natural Hazard Events Table* lists all past occurrences of natural hazards within the jurisdiction. Repetitive flood loss records are as follows:

- Number of FEMA-Identified Repetitive Loss Properties: 5 (5 Other-Nonresidential)
- Number of FEMA-Identified Severe Repetitive Loss Properties: 1 (1 Single Family)

- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

Federal Disasters Declared

Disaster Declaration Number	Date Declared	Event
DR-227	4/25/1967	Tornado
DR-351	9/4/1972	Flood
DR-373	4/26/1973	Flood
DR-509	6/18/1976	Severe Storm(s)
DR-643	6/30/1981	Severe Storm(s)
DR-776	10/7/1986	Flood
DR-798	8/21/1987	Flood
DR-997	7/9/1993	Flood
DR-1129	7/25/1996	Severe Storm(s)
DR-1188	9/17/1997	Severe Storm(s)
DR-1729	9/25/2007	Severe Storm(s)
DR-1800	10/3/2008	Severe Storm(s)
DR-1935	8/19/2010	Severe Storm(s)
DR-1960	3/17/2011	Snow
EM-3068	1/16/1979	Snow
EM-3134	1/8/1999	Snow
EM-3161	1/17/2001	Snow
EM-3230	9/7/2005	Hurricane – Katrina Evacuation
EM-3435	3/13/2020	Biological
DR-4116	5/10/2013	Flood
DR-4489	3/26/2020	Biological
DR-4728	8/15/2023	Severe Storm(s)
DR-4749	11/20/2023	Flood

State Disaster Declarations

Date Declared	Event
7/26/2010	Severe Storms, High Winds, Torrential Rain
1/31/2011	Winter Weather
4/25/2011 5/25/2011	High Wind, Tornadoes, Torrential Rain
4/18/2013 4/20/2013 4/21/2013 4/25/2013 4/30/2013	Severe Storms, Heavy Rainfall, Flooding, Straight-line Winds
1/6/2014	Heavy Snowfall, Frigid Temperatures
7/12/2017 7/14/2017	Thunderstorms, Heavy Rainfall, Flooding
1/29/2019	Winter Storm
2/6/2020	Severe Storms
3/12/2020 – present (reissued monthly)	COVID-19
2/16/2021	Winter Storms

2/1/2022	Winter Storms
8/1/2022 (reissued monthly through 10/28/2022)	Monkeypox

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment/ Event Narrative
Hail	-	12/1/2018	-
Flood and Severe Weather		5/30/2018	2.72 inches of rain in Elk Grove
Flood	-	5/21/2018	-
Hail	-	7/21/2017	\$1,000,000 in property damage.
Severe Weather	-	7/21/2017	-
Hail	-	7/21/2017	-
Hail	-	7/12/2017	-
Hail	-	4/29/2014	-
Wind Storm	-	6/24/2013	-
Train Derailment	-	3/04/2013	-
Flood	DR-4116	4/17/2013	-
Blizzard	DR-1960	2/03/2011	-
Flood	DR-1935	7/19/2010	-
Flood and Severe Weather		6/19/2009	Several streets, intersections, and parking lots were flooded in Elk Grove with numerous cars submerged in a parking lot.
Flood	DR-1800	9/12/2008	8.74 inches in Elk Grove
Wind Storm	DR-1729	8/23/2007	-
Severe Weather		7/20/2003	Lightning hit a mobile home in Elk Grove
Flood and Severe Weather		8/30/2001	Flooding in Industrial Park in Elk Grove
Snow Storm	EM-3161	12/11/2000	-
Snow Storm	EM-3134	11/01/1999	-
Flood	DR-798	8/14/1987	-
Blizzard	EM-3068	1/16/1979	-

Jurisdiction-Specific Hazards: Vulnerabilities and Impacts

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2024 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: Due to Busse Woods water bodies and Busse Dam, this could be a risk (Dam/Levee Failure). Cook County has addressed this risk by completing an improvement project on the Dam/Levee; however, maintenance is essential to ensure no dam or levee failure occurs. Even

though the dam project was completed, the Busse Woods water bodies and Busse Dam could be a risk (Dam/Levee Failure). Cook County has addressed this risk by completing an improvement project on the Dam/Levee; however, maintenance is essential to ensure that no dam or levee failure occurs.

Flood: Flooding continues to be an issue. This has been addressed over the years by creating additional retention ponds, catch basins, and overflow areas near any new construction. Overflow of sewers and the extended downpour of rain still create flooding. Specific: Elk Grove Area. Blvd and Rev. Morrison - due to a large amount of rain. With Busse Woods/Lake north of the village and Salt Creek running through the center of the community there is potential for flooding in our residential areas that border these waterways.

Extreme Heat: We are concerned that loss of power due to extreme heat in our Village will result in the loss of power affecting senior living cities throughout the area.

Lightning: We have lightning detection devices throughout the community. Our biggest concern is fires started by lightning and the vulnerability of the community residing in the manufactured home complex.

Hail: We are less concerned about hail insofar as it occurs independently from a snowstorm.

Fog: Our Village is not concerned about experiencing fog.

High Winds: We maintain moderate concern about the possibility and risks of high winds.

Earthquake: The impact of an earthquake and subsequent aftershocks could have multiple essential infrastructure impacts.

Snow: Heavy snow can affect emergency vehicle access and transport to Alexian Brothers Medical Center. In addition, these snowstorms challenge residents' ability, snow plows, and emergency response vehicles to move throughout the Village.

Blizzards: Similar to snowstorms, blizzards affect emergency vehicle access and transport to Alexian Brothers Medical Center. In addition, these snowstorms lessen residents' ability, as well as snow plows and emergency response vehicles, to move throughout the Village and potentially impact infrastructure such as above-ground power lines.

2022: July 4, 2022, High Wind Event area of Landmeier and Lively, several buildings with roof damage. November 5, 2022 High Wind Event blew roof membrane off building at 1037 Charlela.

Wildfire (Wildfire Smoke): Busse Woods is 3,558-acres of natural resources that is protected by Elk Grove Village Fire Department. There is potential for wildfire and smoke that can affect the community to the east and south of this area.

Indicator	Number	Percent
Families in poverty	804	6%
People with disabilities	4,721	9.4%
People over 65 years	8,459	16.7%
People under 5 years	2,732	5.4%
People of color	19,012	37.5%
Black	1,106	2.2%
Native American	236	0.5%
Hispanic	12,090	23.8%
Difficulty with English	3,338	7%
Households with no car	918	4.9%
Mobile homes	991	5.2%

Data are from the U.S. Census Bureau, American Community Survey. See methods for more information.

The community evaluated whether vulnerability, and subsequently the potential impacts, in hazard-prone areas had increased, decreased, or remained the same for each natural hazard identified in this Hazard Mitigation Plan. Climate change, infrastructure expansion, and economic shifts that can affect vulnerability were considered. For example, if planned development is in an identified hazard area or is not built to the updated building codes, it may increase the community's vulnerability to future hazards and disasters. On the other hand, if development occurred with mitigation practices in place, the vulnerability may have remained the same or decreased. Additionally, shifting demographics were taken into consideration when assessing development trends.

Jurisdiction-Specific Climate Change Vulnerability and Impacts

The table below outlines if climate change, as assessed by the local planning team, has increased or decreased the municipality's vulnerability/exposure, and thereby the potential impacts, to each natural hazard over the past five (5) years (**Current Vulnerability**), and the effect of climate change in the future probability of occurrence and impacts (**Future Vulnerability**) from each natural hazard.

Future studies are needed to better understand the impact of climate change on the community's assets.

Hazard	Vulnerability
Current Vulnerability	
Dam and Levee Failure	Remained the Same
Drought	Remained the Same
Earthquake	Not Applicable
Flood (Riverine, Urban, Shoreline)	Increased
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Increased
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Remained the Same
Tornado	Increased
Wildfire (Wildfire Smoke)	Increased

Hazard	Vulnerability
Future Vulnerability	
Dam and Levee Failure	No Change is Anticipated
Drought	Increase
Earthquake	Not Applicable
Flood (Riverine, Urban, Shoreline)	Increase
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Increase
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	No Change is Anticipated
Tornado	Increase
Wildfire (Wildfire Smoke)	Increase

Jurisdiction-Specific Changes (or Expected Changes) in Development Trends in Hazard-Prone Areas

The table below outlines if development, as assessed by the local planning team, over the past five (5) years (**Current Vulnerability**) has increased or decreased the jurisdiction's vulnerability/exposure, and thereby the potential impacts, to these natural hazards, and the

anticipated effects changes in development may have on the future probability of occurrence and impacts (**Future Vulnerability**) from these natural hazards.

Hazard	Vulnerability
Current Vulnerability	
Dam and Levee Failure	Remained the Same
Drought	Increase
Earthquake	Remained the Same
Flood (Riverine, Urban, Shoreline)	Remained the Same
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Increase
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Remained the Same
Tornado	Remained the Same
Wildfire (Wildfire Smoke)	Remained the Same

Hazard	Vulnerability
Future Vulnerability	
Dam and Levee Failure	No Change is Anticipated
Drought	Increase
Earthquake	No Change is Anticipated
Flood (Riverine, Urban, Shoreline)	No Change is Anticipated
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Increase
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	No Change is Anticipated
Tornado	No Change is Anticipated
Wildfire (Wildfire Smoke)	No Change is Anticipated

Population and Development Trends

The Village has been seeing an increase in data center development throughout the area. The data centers use a lot of resources (water and electric) and there is potential impact to residents during high heat and drought weather systems.

Hazard Risk Ranking

The *Hazard Risk Ranking Table* below presents the ranking of the hazards of concern. Hazard area extent and location maps are included at the end of this chapter. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes.

TABLE: HAZARD RISK RANKING	
Rank	Hazard Type
1	Severe Weather
2	Severe Winter Weather
3	Tornado
4	Earthquake
5	Flood

6	Dam Failure
7	Drought

New Mitigation Actions

The following are new mitigation actions created during the 2024 update.

Action E - 4.20

Mitigation Action #20: Backup Water Connection with DuPage Water Commission					
Lead Agency/Department Organization: Public Works	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Drought Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)
Year Initiated		2024			
Applicable Jurisdiction		Village of Elk Grove Village			
Applicable Goal		1,2,3,4,5,6			
Applicable Objective		1,2,3,4,5,13			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		Backup Water Connection with DuPage Water Commission			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project		N			

Completed; **R** = Want Removed from Annex; **X** =
No Action Taken/Delayed

Action E - 4.21

Mitigation Action #21: Biesterfield Drainage Improvement Plan					
Lead Agency/Department Organization: Public Works	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
Year Initiated		2024			
Applicable Jurisdiction		Village of Elk Grove Village			
Applicable Goal		1,2,3,4,5,6			
Applicable Objective		1,2,3,4,6,8,9,10			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		Biesterfield Drainage Improvement Plan			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority		N			

Completion status legend:

N = New; **I** = In Progress Toward Completion;
O = Ongoing Indefinitely; **C** = Project
 Completed; **R** = Want Removed from Annex; **X** =
 No Action Taken/Delayed

Ongoing Mitigation Actions

During the 2024 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.

Action E - 4.2

Mitigation Action #2: Continue ongoing maintenance of water supply wells within the village.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: \$3,000,000	Potential Funding Source: Water/Sewer Fund	Estimated Projected Completion Date: 2024	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Village of Elk Grove				
Applicable Goal	1,2,3				
Applicable Objective	1,2				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite	Ongoing				
Project Status & Changes in Priority	O Expected to be completed in 2024.				

Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	
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Action E - 4.3

Mitigation Action #3: Identify and establish backup water supply connections.					
Lead Agency/Department Organization: Village, Joint Action Water Agency	Supporting Agencies/ Organizations:	Estimated Cost: \$10,000,000	Potential Funding Source: Water/Sewer Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Village of Elk Grove				
Applicable Goal	1,2,3,5				
Applicable Objective	1,2,7				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O This Mitigation project is ongoing with another project. Backup Water supply with a hook up to DuPage Water Commission				

Action E - 4.4

Mitigation Action #4: Replace Clearmont Bridge over Salt Creek (multi-use vehicles and pedestrians).					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: \$5,000,000	Potential Funding Source: Capital Projects, BRIC, HMGP	Estimated Projected Completion Date: 2024	Hazard(s) Mitigated: Earthquake, Flooding, Dam Failure
Year Initiated		2014			
Applicable Jurisdiction		Village of Elk Grove			
Applicable Goal		1,2,3,5			
Applicable Objective		1,2,7			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O 2024 updated: Mitigation Action will be completed in June 2024			

Action E - 4.5

Mitigation Action #5: Continue ongoing maintenance of drainage facilities within the village annually.

Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: Water/Sewer Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flooding, Dam Failure, Severe Weather
Year Initiated		2014			
Applicable Jurisdiction		Village of Elk Grove			
Applicable Goal		1,2,3,			
Applicable Objective		1,2			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action E - 4.6

Mitigation Action #6: Mitigate an increase in stormwater run-off to reduce flooding in Business Park.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: \$27,000,000	Potential Funding Source:	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flooding, Severe Weather

			Water/Sewer Fund, Capital Projects, FMA		
Year Initiated	2014				
Applicable Jurisdiction	Village of Elk Grove				
Applicable Goal	1,2,3				
Applicable Objective	1,2,7				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O 2024 Update: More work being done in Business Park				

Action E - 4.7

Mitigation Action #7: Continue Salt Creek stream bank stabilization project.					
Lead Agency/Department Organization: Village Administration, MWRD	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: Water/Sewer Fund, Capital Projects, HMGP, BRIC	Estimated Projected Completion Date: Ongoing for maintenance	Hazard(s) Mitigated: Flooding, Dam Failure, Severe Weather
Year Initiated	2014				

Applicable Jurisdiction	Village of Elk Grove
Applicable Goal	1,2,3
Applicable Objective	1,2,7
Cost Analysis (Low, Medium, High)	Medium
Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O 2024 Update: Completed 8-9 years ago; however, it is due for maintenance.

Action E - 4.9

Mitigation Action #9: Continue implementation of the culvert replacement program.					
Lead Agency/Department Organization: Village Administration, MWRD	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: Water/Sewer fund, Capital Projects, HMGP, BRIC	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flooding, Dam Failure, Severe Weather
Year Initiated	2014				
Applicable Jurisdiction	Village of Elk Grove				
Applicable Goal	1,2,3,5				
Applicable Objective	1,2,7				
Cost Analysis (Low, Medium, High)	Medium				

Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action E - 4.10

Mitigation Action #10: Continue ongoing education and training of Citizen Emergency Response Teams.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: Emergency Management Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Village of Elk Grove				
Applicable Goal	1,5,6				
Applicable Objective	1,5,8				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	Low				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low				
Action/Implementation Plan and Project Description:					

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action E - 4.12

Mitigation Action #12: Continue to support the countywide actions in this plan.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short- and Long-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Village of Elk Grove				
Applicable Goal	1,2,5				
Applicable Objective	All				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project	O				

Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	
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Action E - 4.13

Mitigation Action #13: Actively participate in the plan maintenance strategy identified in this plan.					
Lead Agency/Department Organization: EMRS, Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		Village of Elk Grove			
Applicable Goal		1,2,5			
Applicable Objective		All			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action E - 4.14

Mitigation Action #14: 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.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term and Ongoing	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		Village of Elk Grove			
Applicable Goal		1,2,3,5			
Applicable Objective		4,6,9			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O 2024 Update: Met with State and Federal officials approximately 2 years ago. Village is in compliance			

Action E - 4.16

Mitigation Action #16: Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.					
Lead Agency/Department Organization: Community Development	Supporting Agencies/ Organizations :	Estimated Cost: \$3,004,000	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		Village of Elk Grove			
Applicable Goal		1,2,5			
Applicable Objective		3,4,6,10,13			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action E - 4.18

Mitigation Action #18: Integrate mitigation plan with existing plans.
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Lead Agency/Department Organization: Elk Grove Village Fire Department	Supporting Agencies/ Organizations: Joint Emergency Management Service	Estimated Cost: Low	Potential Funding Source: HMGP, BRIC	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2019			
Applicable Jurisdiction		Village of Elk Grove			
Applicable Goal		5			
Applicable Objective		4			
Cost Analysis (Low, Medium, High)		TBD			
Priority and Level of Importance (Low, Medium, High)		TBD			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		TBD			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action E - 4.19

Mitigation Action #19: Implement Culvert Improvements in Elk Grove Village					
Lead Agency/Department Organization: MWRD	Supporting Agencies/ Organizations: City of Chicago	Estimated Cost: \$2,215,019	Potential Funding Source: MWRD (\$1,250,000)	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated		2019			

Applicable Jurisdiction	Village of Elk Grove; City of Chicago
Applicable Goal	1,2,3,4
Applicable Objective	9
Cost Analysis (Low, Medium, High)	High
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	ID: Elk Grove Village Contract: 18-IGA-30 Watershed: Lower Des Plaines Location: Elk Grove Village, IL Description: Culvert improvements in conjunction with channel maintenance.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O 2024 Update: Brickvale Ave. Covert will be completed this year. This will be ongoing due to the 490 Interchange project on our east end of the Village

Completed Actions

Completed Mitigation Actions - An archive of all identified and completed projects, including completed actions since 2014.

Completed Action Items
Continue implementation of ongoing modifications to Busse Dam.
Establish a Calcium chloride distribution system to treat roads during severe winter weather events.
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.

Implement Louis Avenue Culvert Improvement

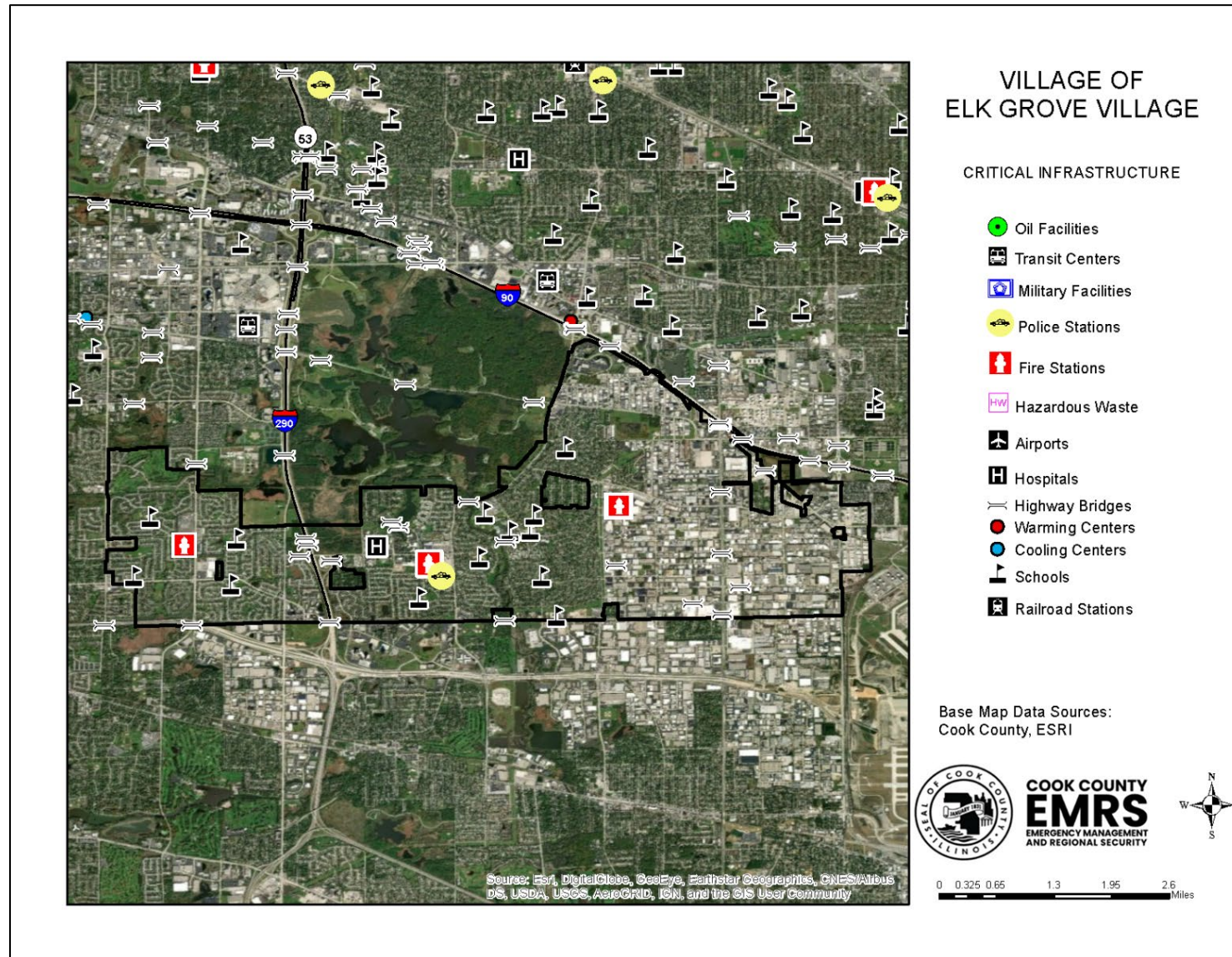
Future Needs to Better Understand Risk/Vulnerability

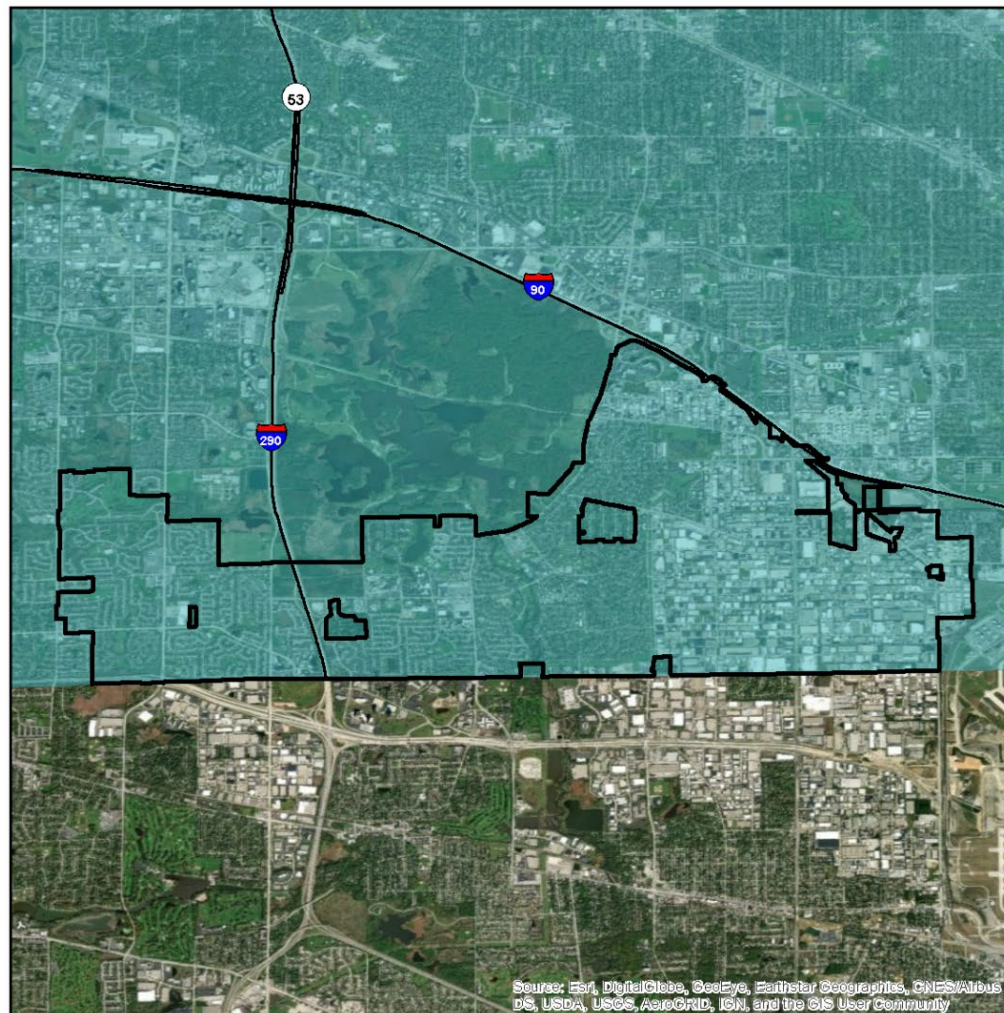
No needs have been identified at this time.

Additional Comments

No additional comments at this time.

Hazard Mapping





VILLAGE OF ELK GROVE VILLAGE

PEAK GROUND ACCELERATION FOR A 100 YEAR EARTHQUAKE EVENT

Mercalli Scale, Potential Shaking

II-III Weak

Data provided by the USGS Earthquake Hazards Program and Cook County.

Probabilistic seismic-hazard maps were prepared for the conterminous United States for 2014 portraying peak horizontal acceleration and horizontal spectral response acceleration for 0.2- and 1.0-second periods with probabilities of exceedance of 10 percent in 50 years and 2 percent in 50 years. All of the maps were prepared by combining the hazard derived from spatially smoothed historical seismicity with the hazard from fault-specific sources. The acceleration values contoured are the random horizontal component. The reference site condition is firm rock, defined as having an average shear-wave velocity of 760 m/s in the top 30 meters corresponding to the boundary between NEHRP (National Earthquake Hazards Reduction Program) site classes B and C.

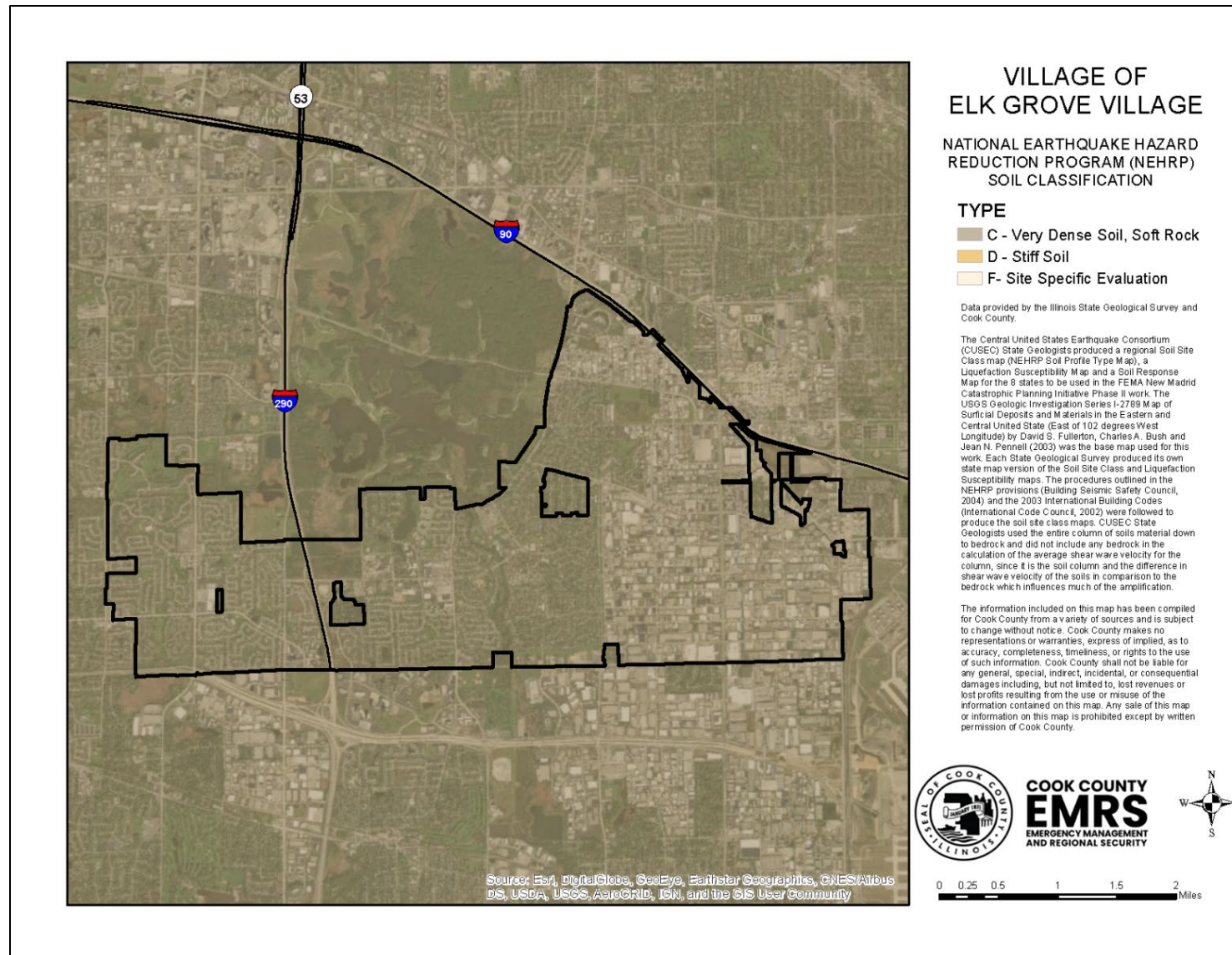
The information included on this map has been compiled for Cook County from a variety of sources and is subject to change without notice. Cook County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. Cook County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of Cook County.



COOK COUNTY
EMRS
EMERGENCY MANAGEMENT
AND REGIONAL SECURITY



0 0.325 0.65 1.3 1.95 2.6 Miles



DISCLAIMER: The Cook County MWRDGC 100-year Inundation Map is provided to show general flood risk information regarding floodplains and inundation areas. This map is not regulatory. Official FEMA Flood Insurance Study information and regulatory maps can be obtained from <http://www.fema.gov>.

