

## LaGrange Park

### Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
Dean J. Maggos, Director of Fire and Emergency Management Address: 447 N. Catherine Ave La Grange Park, IL 60526 Telephone: 708-243-2897 Email: dmaggos@lagrangepark.org	Julia Cedillo, Village Manager Address: 447 N. Catherine Ave La Grange Park, IL 60526 Telephone: 708-579-2370 Email: jcedillo@lagrangepark.org

### Jurisdiction Profile

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

**Date of Incorporation:** 1892

**Current Population:** The 2020 U.S. Census population was 13,484. The 2022 U.S. Census estimate indicated the population was 13,009.

**Population Growth:** The overall population has decreased 2.16 percent between 2018 and 2022.

**Location and Description:** The Village of La Grange Park is considered a near-west suburb of Chicago, and located approximately 13 miles from downtown Chicago. U.S. Route 12/20/45 (La Grange Rd.) runs north/south through the center of the Village, and the Village is located just north of U.S. Route 34 (Ogden Ave.), which is nearly centrally located between Interstate 55 (Stevenson Expressway) and Interstate 290 (Eisenhower Expressway). Cook County Forest Preserve borders the north and west ends of the Village, and the Salt Creek runs along the same north and west borders. Adjacent towns that border La Grange Park are: Westchester to the north, Western Springs to the south, Brookfield to the east, and Oakbrook to the west. According to the 2010 census, the village has a total area of 2.23 square miles.

**Brief History:** The area was initially settled during the mid-1800s by Europeans, with many settling in around 1863, when the Burlington Railroad extended their line into Chicago. Some more followed the Great Chicago Fire in 1871, as some homeless city residents moved west. Five farmers, who had purchased most of the land during that time, did not necessarily desire to form a Village, but realized that the only way to uphold the law was to incorporate and hire their own police force. Over the years, the Village has heightened its commercial resources but still remains a predominantly “bedroom” type community, serviced by a few small commercial areas.

**Climate:** The Village of La Grange Park’s climate is typical to northeastern Illinois and the Chicago metropolitan area. The area does experience four distinct seasons, with average lows of 17°F in January to average highs of 84°F in July. The proximity of the Village to Lake Michigan does help moderate temperatures to some extent compared to areas further west in northern Illinois. Average precipitation is around 38 inches of rain per year, and average snowfall is around 37 inches.

**Governing Body Format:** The Village of La Grange Park is governed by a seven member Village Board, which includes one Village President and six Trustees. This body of Government will assume the responsibility for the adoption and implementation of this plan. The Village consists of five main departments: Administration (includes Finance), Building, Fire, Police and Public Works, led overall by a Village Manager. The Park District and Library District are separate governmental entities from the Village.

**Development Trends:** Anticipated development levels for La Grange Park are currently low, as nearly the entire Village has already been developed. Most of the current development consists of residential redevelopment. There is though substantial effort being made in regards to commercial revitalization, which could at some point lead to some commercial redevelopment. A Corridor Redevelopment Study was completed in May of 2008 for one of our commercial areas, and a Commercial Revitalization Plan was completed in January of 2013. A new overall Village of La Grange Park Comprehensive Plan was completed in June of 2006. As of 2019, there were a few new businesses opening in La Grange Park, restaurants and retail businesses.

**Changes in Community Priorities:** The Central Area Sewer Separation Project was identified as a need in our last annual plan update, and funding for such has been prioritized by our Village Board and Staff. There is an increased emphasis being placed on overall Building Department operations with changes in staff, the hiring of a new Building Director Department Head, and a new Building Specialist administrative position. There is also an increased emphasis being placed on Emergency Planning with staff responsibility changes.

## 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
<b>Codes, Ordinances &amp; Requirements</b>					
Building Code	Yes	No	No	Yes	No. 731 / 08-12-03,

Zonings	Yes	No	No	Yes	No. 929 / 01-25-11, No. 1026 / 01-23-18
Subdivisions	Yes	No	No	Yes	Section 5 of the zoning code
Stormwater Management	Yes	No	No	Yes	No. 801 / 07-26-05, No. 876 / 06-24-08, No. 990 / 06-24-14 (Incorporate Cook County Watershed Management Ordinance)
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	Part of Zoning Code No. 929 / 01-25-11
Public Health and Safety	Yes	No	Yes	Yes	Cook County Board of Health. Food Service Sanitation Code Municipal Ord. 675: 03-13-01 / Ord. 729 08-12-03.
Environmental Protection	No	No	No	No	Municipal Code Chapter 90 Garbage and Rubbish, and Chapter 93 Health and Sanitation: 08-12-03.
<b>Planning Documents</b>					
General or Comprehensive Plan	Yes	No	No	No	La Grange Park Comprehensive Plan June 2006
<i>Is the plan equipped to provide integration to this mitigation plan?</i>					Yes - Land Use
Floodplain or Basin Plan	No	No	No	No	
Stormwater Plan	Yes	No	No	No	Regional stormwater impacts are

					managed by MWRD. The Village lies within the Des Plaines River watershed planning area of MWRD's comprehensive Stormwater Master Planning Program, and compliance with Cook County's Watershed Management Ordinance.
Capital Improvement Plan	Yes	No	No	No	04-23-13
<i>What types of capital facilities does the plan address?</i>					Roads, Buildings, Equipment, Sewer, Water
<i>How often is the plan revised/updated?</i>					Annually
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	No	No	Yes	Yes	Commercial Revitalization Plan 01-22-13
Shoreline Management Plan	No	No	No	No	
<b>Response/Recovery Planning</b>					
Comprehensive Emergency Management Plan	Yes	No	Yes	Yes	Emergency Operations Plan 06- 22-08
Threat and Hazard Identification and Risk Assessment	Yes	No	Yes	No	Cook County EMRS Preparing THIRA
Terrorism Plan	Yes	No	Yes	Yes	Part of Emergency Operations Plan (EOP)
Post-Disaster Recovery Plan	Yes	No	No	No	Part of EOP
Continuity of Operations Plan	Yes	No	Yes	No	Part of EOP

Public Health Plans	No	No	No	No	Cook County Lyons Township Area Mass Dispensing/Vaccination Plan
---------------------	----	----	----	----	--

<b>TABLE: FISCAL CAPABILITY</b>	
<b>Financial Resources</b>	<b>Accessible or Eligible to Use?</b>
Community Development Block Grants	Yes
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	No
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	Unknown
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
Other	

<b>TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY</b>		
<b>Staff/Personnel Resources</b>	<b>Available?</b>	<b>Department/Agency/Position</b>
Planners or engineers with knowledge of land development and land management practices	Yes	Deputy Village Manager; PT Senior Planner; Contract Engineering Firm
Engineers or professionals trained in building or infrastructure construction practices	Yes	Building Director; Public Works Director; Contract Engineering Firm; Contract Architectural Firm
Planners or engineers with an understanding of natural hazards	Yes	Contract Engineering Firm
Staff with training in benefit/cost analysis	Yes	Village Manager, Finance Director; Dept. Heads
Surveyors	Yes	Contract Engineering Firm
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	No	Other than those that may be available from other agencies and/or private enterprises if needed
Emergency manager	Yes	Director of Emergency Management, but who is also Fire Chief and Building Commissioner
Grant writers	Yes	Village Manager and Department Heads have all been involved in grant writing to some extent

<b>TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE</b>	
What department is responsible for floodplain management in your jurisdiction?	Admin; Building
Who is your jurisdiction's floodplain administrator? (department/position)	Village Manager

Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	07-26-05; 06-24-08
When was the most recent Community Assistance Visit or Community Assistance Contact?	Have not received a Community Assistance Visit
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	None Known
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?	Not specifically, but a review of overall program and requirements could prove beneficial.
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. We are not sure if we wish to join CRS program at this point.

**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.

The following are NFIP-related activities completed by our community:

- Our staff provide the following services: permit reviews, GIS, inspections, engineering capability.
- Our community enforces local floodplain regulations and monitors compliance.
- Our floodplain development regulations meet or exceed Federal Emergency Management Agency (FEMA) or State minimum requirements.

**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:*

The following is the link to the Special Flood Hazard Area Section of Chapter 154, Floodplain and Stormwater Management, of our Village Code:

[https://codelibrary.amlegal.com/codes/lagrangepark/latest/lagrange-park\\_il/0-0-0-8793](https://codelibrary.amlegal.com/codes/lagrangepark/latest/lagrange-park_il/0-0-0-8793).

Sec 154-02 Definitions

**SUBSTANTIAL DAMAGE.** Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damage condition would equal or exceed 50% of the market value of the structure before the damage occurred, regardless of the actual repair work performed. Volunteer labor and materials must be included in this determination. Damage of less than 50% of the fair market value will be applied to the repetitive loss calculations.

**SUBSTANTIAL IMPROVEMENT.**

(1) Any reconstruction, rehabilitation, addition, or improvement of a structure, the cost of which equals or exceeds 50% of the market value of the structure before the "start of construction" of the improvement.

(2) For the purposes of this definition **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.

(3) The term does not, however, include either 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 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.

Sec. 154-55 Permitting Requirements Applicable to all Floodplain Areas

In addition to the requirements found in §§ [154.52](#), [154.53](#) and [154.54](#) for development in flood fringes, designated floodways, and SFHA or floodplains where no floodways have been identified (Zones A, AO, AH, AE, A1-A30, A99, VO, V1-30, VE, V, M, E, D, or X), the following requirements shall be met.

(C) *Protecting buildings.* All buildings located within a 100-year floodplain also known as a SFHA, and all buildings located outside the 100-year floodplain but within the 500-year floodplain, shall be protected from flood damage below the flood protection elevation. This building protection criteria applies to the following situations:

(1) Construction or placement of a new building;

(2) Substantial improvement to an existing building as defined in § [154.02](#), including an increase to the first floor area by more than 20%. This alteration shall be figured cumulatively beginning with any alteration which has taken place subsequent to April 1, 1990;

(3) Installing a manufactured home on a new site or a new manufactured home on an existing site. This building protection requirements does not apply to returning a mobile home to the same site it lawfully occupied before it was removed to avoid flood damage; and

(4) Installing a travel trailer on a site for more than 180 days.

(D) This building protection requirement may be met by one of the following methods.

(2) A residential or non-residential building may be elevated in accordance with the following:

(a) The building or improvements shall be elevated on crawl space, stilts, piles, walls, or other foundation that is permanently open to flood waters and not subject to damage by hydrostatic pressures of the base flood or 100-year frequency flood. The permanent openings shall be no more than one foot above existing grade, and consists of a minimum of two openings. The openings must have a total net area of not less than one square inch for every one square foot of enclosed area subject to flooding below the base flood elevation.

(b) The foundation and supporting members shall be anchored and aligned in relation to flood flows and adjoining structures so as to minimize exposure to known hydrodynamic forces such as current, waves, ice and floating debris.

(c) All areas below the flood protection elevation shall be constructed of materials resistant to flood damage. The lowest floor (including basement) and all electrical, heating, ventilating, plumbing, and air conditioning equipment and utility meters shall be located at or above the flood protection elevation. Water and sewer pipes, electrical and telephone lines, submersible pumps, and other waterproofed service facilities may be located below the flood protection elevation.

(d) The areas below the flood protection elevation may only be used for the parking of vehicles, building access or storage in an area other than a basement.

(e) Manufactured homes, and travel trailers to be installed on a site for more than 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 outside of a manufactured home park or subdivision, in a new manufactured home park or subdivision, in an expansion to an existing manufactured home park or subdivision, or 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 36 inches in height above grade and supported by reinforced piers or other foundations of equivalent strength, whichever is less.



<b>TABLE: COMMUNITY CLASSIFICATIONS</b>			
	<b>Participating?</b>	<b>Classification</b>	<b>Date Classified</b>
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Yes	3	07-01-19
StormReady	Yes	Gold (Countywide)	2013
Tree City USA	Yes		1987

**Opportunities to Expand and Improve Capabilities**

Opportunities to expand and improve capabilities include:

- Our Village is actively working on funding and grants in many areas, but most important is to get additional funding for our Central Area Sewer Separation Project.

**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 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: 0
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- 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

Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment/ Event Narrative
Excessive Cold	-	1/7/2014	-
Severe Storm, Straight Line Winds, Flooding	DR-4116	4/26/2013	\$16,259 PA
Heavy Snow		2/26/2013	
Excessive Heat	-	7/7/2012	-
Severe Storms, Flooding	-	7/23/2011	\$1,233 PA / \$6,200
Severe Winter Storm and Snowstorm	DR-1960	1/31/2011	-
Severe Storms, Flooding	DR-1935	7/19/2010	widespread flooding and damage
Hurricane Katrina Evacuation	EM-3230	9/7/2005	-
Severe Storms, Flooding		11/4/2003	many intersections were flooded
Attack on New York City and Pentagon	-	9/1/2001	-
Excessive Heat	-	7/31/1999	-
Severe Storms, Flooding	DR-776	9/21/1986	-
Blizzards, Snowstorms	EM-3068	1/16/1979	-
Excessive Cold	-	1/7/2014	-

Severe Storm, Straight Line Winds, Flooding	DR-4116	4/26/2013	\$16,259 PA
Heavy Snow		2/26/2013	
Excessive Heat	-	7/7/2012	-
Severe Storms, Flooding	-	7/23/2011	\$1,233 PA / \$6,200
Severe Winter Storm and Snowstorm	DR-1960	1/31/2011	-

**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.

**Flood:** The Village experiences two (2) types of floods. Crucially, since the Village's sewer system is 90 percent combined, heavy rainfall/short duration causes our system to get surcharged, and there is also not enough capacity to move the water. This impacts the low-lying Homestead/Monroe area the most. In the case of flooding along Salt Creek, many communities upstream have their CSOS and stormwater outfalls into Salt Creek. The issue is that community members worry about homes on Edgewood and Brainard Avenues when the level is high. A combination of the topography of our Village, along with an aging and inadequate combination sewer system, creates vulnerability. At Homestead and Monroe, and in that general "central area", heavy flooding occurs. Homestead and Monroe is our lowest point, and the "central area" is an area that encompasses Homestead Rd. to the south, 31st St.. to the north, La Grange Rd. (Mannheim) to the west, and the Indiana Harbor Belt (IHB) railway to the east. This area experiences additional water impacts from higher elevations along La Grange (Mannheim) Road. In addition to impacting access to areas by flooded roadways, including our Public Works facility, many homes in this area have repeatedly experienced basement flooding. In addition to the "central area", there are areas along the Salt Creek, especially on Edgewood Ave. from Harding to Woodlawn, have also experienced flooding with water overtaking homes in the past.

**Extreme Heat:** When there is extreme heat, the Village's concern is with their older adult demographic (65 or older), which is 21 percent of the Village's total population. If there is extreme heat, the community is concerned about adults/older adults who live alone, especially where there is power loss (no AC).

**Lightning:** The Village has low to moderate concern for lightning damage to emergency communications and police communications, which has happened before. The Village also has concerns about lightning causing tree limb damage or structure fires.

**Hail:** Though the Village isn't particularly concerned about the impacts of hail, the hazard could cause enough property damage within the area, causing loss to property owners and even potentially damaging communication equipment.

**Fog:** Previously, the Village has experienced fog that has obscured citizens' line of sight, sometimes causing traffic accidents.

**High Winds:** The Village has frequently experienced tree limb damage, power loss, and communications infrastructure (antenna) damage due to high winds. Over the years, there have been various occasions where roads have been blocked, and power lines have been downed, causing power loss and dangerous conditions and fires.

**Earthquake:** Based upon mapping and history of earthquakes from the USGS for our immediate area, an earthquake risk is fairly low, although it is much higher in many other areas of Illinois. Similar effects from this type of hazard could most likely come from quarries blasting in the Countryside/McCook area, of which effects have previously been noted in our Village. This natural hazard would though require substantial emergency communications. In addition, damage from an earthquake could impact structural stability of many structures, along with water, gas and sewer piping in structures, along with Village utilities and infrastructure. All buildings would be somewhat vulnerable but buildings of specific concern are as follows: 9-story Plymouth Place Life Care Facility, two 6-story independent senior living buildings at Bethlehem Woods, 5-story skilled nursing facility called The Grove. There are also our various schools, and a couple of large 3-4 story multi-family apartment complexes.

**Drought:** Droughts would jeopardize the Village's water supply - though this is a natural hazard the Village hasn't experienced. Another risk this hazard poses is a potential forest fire hazard because the community is surrounded by Bemis Woods North, LaGrange Park Woods, Brezina Woods, and 26th Street Woods. (Cook County Forest Preserves). Drought would not immediately impact quality of life, but would potentially increase the chances of wildfire response by public fire protection forces due to the amount of Forest Preserve property within our Village limits. Long term drought could affect water supply depending upon usage by consumers. Although we get Lake Michigan water, heavy usage could affect storage amounts available for fire protection.

**Snow:** Extra volume of emergency response calls from motor vehicle accidents. Heavy, wet snow can cause tree limbs to fall, which could cause power outages and loss of heat.

**Blizzards:** Previously, first responders supporting the Village have been burdened by blizzards, slowing response and inhibiting their ability to aid people in need. In addition, the motoring public can become stranded, leaving citizens unable to work or get necessary supplies.

**Extreme Cold:** Similar to the impacts of extreme heat, the Village's concern is with their older adult demographic (65 or older), which is 21 percent of the Village's total population. If there is extreme cold, the community is concerned about adults/older adults who live alone, especially where there is power loss (no heating).

**Ice Storms:** The Village has experienced power outages from ice buildup on power lines, heat loss, and increasing traffic accidents.

**Severe Winter Weather:** Again, our older adult population is most vulnerable. Besides facilities, those still living in single family homes may need assistance for long term events if they are unable to leave their homes, or those with caregivers are not able to get assistance they need. Lastly, our Public Works facility has an emergency generator for running our water system pumps, but they do not have one for the overall facility. As such their daily operations and communications could be affected.

**Tornado:** Due to tornadoes, the Village has experienced widespread power outages, structural damage, impassable roadways due to debris, potential catastrophic injuries, and delays in first responder response times. Most buildings are not necessarily unique with the exceptions of the following. Our Forest Glen Apartments are all 3-story buildings but there are no below grade areas for refuge, except a small storage area in their office building. We have several single-family homes built on slabs with no basements. The Grove skilled nursing facility has basements, but all skilled nursing patients are on upper floors, and it would be unlikely they could be relocated. Also, at the Plymouth Place Life Care Facility skilled nursing patients are all on the third floor. In addition, our Village is over

125 years old, and is heavily populated with mature trees. These can pose a substantial hazard to human life, and all structures, including single-family homes. In addition, damage to trees can substantially block access for emergency response. Lastly, our Public Works facility has an emergency generator for running our water system pumps, but they do not have one for the overall facility. As such their daily operations and communications could be affected.

**2022 Events:**

January 29, 2022 - Snow and winds damaged a transformer and power pole.

June 13, 2022 - A strong thunderstorm moved across the area, creating many emergency calls, tree damage, and downed power lines, which caused a significant fire. Additional emergency incidents occurred during the week, including another structure fire when power was restored and entered a garage and home.

**2021 Events:**

June 26, 2021 - High-intensity rainfall created a flooding event that surcharged existing storm sewers in some areas and created impassable streets and intersections.

July 29, 2021 - High-intensity thunderstorm and wind in northern Illinois. Local damage included downed trees, power lines, and power poles.

**2020 Events:**

June 9, 2020 - A storm with high winds brought down multiple power lines.

October 22, 2020 - A storm with high winds brought down a tree and damaged at least one home.

**2023 Events:**

July 5, 2023 - Thunderstorms came through the area causing damage. A significant residential fire occurred when energized power lines came down and caught a single-family home on fire.

July 12, 2023 - Tornadoes came through nearby Villages. As our Fire Department is part of the same MABAS Division, our Chief responded to the Village of McCook to assist with assessing and searching damaged structures.

September 14, 2023 - Our FD ambulance responded to a call for mutual-aid for a tent collapse in Bedford Park triggered by a high wind.

**Severe Weather:** Of particular concern is our older adult populations and those in skilled nursing should severe weather cause power disruptions. All facilities have back-up power, but past experience has shown that such sources have not been adequate to properly cool the facilities throughout.

**Wildfire (Wildfire Smoke):** A substantial wildfire could potentially impact some structures, and stress public firefighting resources. Smoke though, is probably the most prominent concern. Depending on atmospheric conditions, we have seen smoke impact our residential areas from controlled burns. Again, our adult population and those with pre-existing health conditions would be most vulnerable.

Indicator	Number	Percent
Families in poverty	128	3.5%
People with disabilities	1,299	9.7%
People over 65 years	2,478	18.2%
People under 5 years	977	7.2%
People of color	2,577	19%
Black	618	4.5%
Native American	5	0%

Hispanic	1,490	11%
Difficulty with English	107	0.8%
Households with no car	303	6%
Mobile homes	7	0.1%

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.

Hazard	Vulnerability
<b>Current Vulnerability</b>	
Dam and Levee Failure	Not Applicable
Drought	Remained the Same
Earthquake	Remained the Same
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)	Remained the Same

Hazard	Vulnerability
<b>Future Vulnerability</b>	
Dam and Levee Failure	Not Applicable
Drought	Increase
Earthquake	Increase
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)	Increase
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
<b>Current Vulnerability</b>	
Dam and Levee Failure	Not Applicable
Drought	Remained the Same
Earthquake	Remained the Same
Flood (Riverine, Urban, Shoreline)	Remained the Same
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Remained the Same
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
<b>Future Vulnerability</b>	
Dam and Levee Failure	Not Applicable
Drought	No Change is Anticipated
Earthquake	No Change is Anticipated
Flood (Riverine, Urban, Shoreline)	No Change is Anticipated
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	No Change is Anticipated
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

Our community anticipates that the following developments and future major assets may be exposed or vulnerable to any of the natural hazards identified in this Hazard Mitigation Plan:

- Four new residential buildings (59 living units), housing for older adults, have been built at our Plymouth Place community. Code implementation has properly addressed concerns with stormwater, but the population has increased at the complex with additional construction planned.
- A new retail ice cream store, and grocery store have been built, which should increase visiting population, and have added value to our commercial districts.
- A new library renovation project is in the final stages of completion. There is also a lot of work on commercial revitalization taking place in hopes of attracting addition businesses/buildings, and improving overall value of our commercial districts in coming years.



## 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.

<b>Rank</b>	<b>Hazard Type</b>
1	Flood
2	Severe Weather
3	Severe Winter Weather
4	Tornado
5	Earthquake
6	Drought
7	Dam Failure

## New Mitigation Actions

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

### Action L-2.24

<b>Mitigation Action #24: Complete new permeable alley projects in projects identified in Capital Plan.</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/Organizations:</b> Hancock Engineering, MWRDGC	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> General Fund MWRDGC is providing a grant.	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> Flood (Riverine, Urban, Coastal/Shoreline)
<b>Year Initiated</b>		2024			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		1,6			
<b>Applicable Objective</b>		2,3,8			
<b>Cost Analysis (Low, Medium, High)</b>		High			
<b>Priority and Level of Importance (Low, Medium, High)</b>		High			
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>		Medium			
<b>Action/Implementation Plan and Project Description:</b>		Complete new permeable alley projects in projects identified in Capital Plan.			
<b>Actual Completion Date or Ongoing Indefinite</b>					
<b>Project Status &amp; Changes in Priority Completion status legend:</b> N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		N			

Action L-2.25

<b>Mitigation Action #25: Installation of a back-up emergency generator for our Public Works Facility.</b>					
<b>Lead Agency/Department Organization:</b> Public Works Director	<b>Supporting Agencies/Organizations:</b> Hancock Engineering, Building Department	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> General Fund Hazard Mitigation Grant Program (HMGP)	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Earthquake Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold) Tornado
<b>Year Initiated</b>		2026			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		1,2,3,5			
<b>Applicable Objective</b>		1,2,5			
<b>Cost Analysis (Low, Medium, High)</b>		Medium			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Medium			
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>		Medium			
<b>Action/Implementation Plan and Project Description:</b>		Installation of a back-up emergency generator for our Public Works Facility.			
<b>Actual Completion Date or Ongoing Indefinite</b>					
<b>Project Status &amp; Changes in Priority Completion status legend:</b> N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed;		N			

<b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	
--	--

**Action L-2.26**

<b>Mitigation Action #26: Increase capacity for trimming trees, and removing damaged or diseased trees.</b>					
<b>Lead Agency/Department Organization:</b> Public Works Department	<b>Supporting Agencies/Organizations:</b> Private Tree Services	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> General Fund Hazard Mitigation Grant Program (HMGP) Community Development Block Grant (CDBG)	<b>Estimated Projected Completion Date:</b> Ongoing	<b>Hazard(s) Mitigated:</b> Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold) Tornado Wildfire (Wildfire Smoke)
<b>Year Initiated</b>		2025			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		1,2,5			
<b>Applicable Objective</b>		3,8			
<b>Cost Analysis (Low, Medium, High)</b>		Medium			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Medium			

<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	High
<b>Action/Implementation Plan and Project Description:</b>	Increase capacity for trimming trees, and removing damaged or diseased trees.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	N

**Action L-2.27**

<b>Mitigation Action #27: Bury electrical utility lines and services in commercial district, specifically for circuits in the area of the Village Market Shopping Center, Jewel and Aldi's.</b>					
<b>Lead Agency/Department Organization:</b> Public Works Director	<b>Supporting Agencies/Organizations:</b> Village Manager's Office, ComEd, Park District, Private property owners	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> General Fund Local or State Special Taxes State Special Funds Building Resilient Infrastructure and Communities (BRIC)	<b>Estimated Projected Completion Date:</b> Ongoing	<b>Hazard(s) Mitigated:</b> Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold) Tornado
<b>Year Initiated</b>	2029				

<b>Applicable Jurisdiction</b>	Village of La Grange Park
<b>Applicable Goal</b>	1,2,3
<b>Applicable Objective</b>	2,3,8
<b>Cost Analysis (Low, Medium, High)</b>	High
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>	Medium
<b>Action/Implementation Plan and Project Description:</b>	Bury electrical utility lines and services in commercial district, specifically for circuits in the area of the Village Market Shopping Center, Jewel and Aldi's.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	N

### Ongoing Mitigation Actions

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

#### Action L-2.2

<b>Mitigation Action #2: Implement a Downspout Disconnect Program to remove roof rainwater from the Village Combined Sewer System.</b>					
<b>Lead Agency/Department Organization:</b> Building Department	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> \$440,000; High	<b>Potential Funding Source:</b> IEPA Illinois Green Infrastructure Grant Program	<b>Estimated Projected Completion Date:</b> Main Program Complete,	<b>Hazard(s) Mitigated:</b> Flooding, Severe Weather

				following up on non-compliance	
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of La Grange Park				
<b>Applicable Goal</b>	2,3				
<b>Applicable Objective</b>	3, 9, 11, 13				
<b>Cost Analysis (Low, Medium, High)</b>	High				
<b>Priority and Level of Importance (Low, Medium, High)</b>	High				
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>	High				
<b>Action/Implementation Plan and Project Description:</b>					
<b>Actual Completion Date or Ongoing Indefinite</b>					
<b>Project Status &amp; Changes in Priority Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	O				

**Action L-2.5**

<b>Mitigation Action #5: Update the Emergency Operations Center by purchasing additional equipment, such as disaster boxes with supplies, and providing training and information on set-up and operation.</b>					
<b>Lead Agency/Department Organization:</b> Emergency Management Agency (EMA)	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> \$4,000; Low	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short-term Ongoing	<b>Hazard(s) Mitigated:</b> All Hazards

<b>Year Initiated</b>	2014
<b>Applicable Jurisdiction</b>	Village of La Grange Park
<b>Applicable Goal</b>	2
<b>Applicable Objective</b>	1, 5
<b>Cost Analysis (Low, Medium, High)</b>	Low
<b>Priority and Level of Importance (Low, Medium, High)</b>	High
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>	High
<b>Action/Implementation Plan and Project Description:</b>	We continued to slowly add and update some supplies in the cage. We also moved some equipment into the actual EOC and organized such as our supply of phones, etc. We also ran a simulation exercise where the EOC was set up with all equipment such as phones and radios in place and utilized. Changes to our overall Village Hall Complex phone system will need to continually be evaluated and tested in another simulation exercise involving the EOC.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	O

**Action L-2.6**

<b>Mitigation Action #6: Encourage using best management practices such as promoting rain gardens, rain barrels, and permeable surfaces.</b>					
<b>Lead Agency/Department Organization:</b> Building Department, Public Works	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> \$100; Low	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short-term Ongoing	<b>Hazard(s) Mitigated:</b> Flooding, Severe Weather



<b>Year Initiated</b>	2014
<b>Applicable Jurisdiction</b>	Village of La Grange Park
<b>Applicable Goal</b>	2,6
<b>Applicable Objective</b>	3, 4, 13
<b>Cost Analysis (Low, Medium, High)</b>	Low
<b>Priority and Level of Importance (Low, Medium, High)</b>	High
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>	High
<b>Action/Implementation Plan and Project Description:</b>	This remains a continual process through permitting and education. We have worked with various property owners and our Village engineer to assist with implementation and enforcement.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> 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 L-2.7**

<b>Mitigation Action #7: Promote and possibly provide incentives for plumbing solutions such as installing overhead plumbing and backflow prevention devices.</b>					
<b>Lead Agency/Department Organization:</b> Building Department, Public Works	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> \$350,000 over approximately two plus years	<b>Potential Funding Source:</b> Enterprise Funds General Fund BRIC, HMGP	<b>Estimated Projected Completion Date:</b> Short-term Ongoing	<b>Hazard(s) Mitigated:</b> Flooding, Severe Weather
<b>Year Initiated</b>		2014			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		2,6			

<b>Applicable Objective</b>	4, 9, 11, 13
<b>Cost Analysis (Low, Medium, High)</b>	Medium
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>	Medium
<b>Action/Implementation Plan and Project Description:</b>	The Village has operated a Sewer Backup Prevention Program offering incentives for backflow devices, flood control systems and overhead sewer conversions. It was budgeted at \$50,000 per fiscal year, and additional funding was allocated by the Village Board a couple of years when demand was high. We recently (late 2023, early 2024) were awarded \$300,000 through Cook County ARPA Funds to add funding to the program.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	O

**Action L-2.8**

<b>Mitigation Action #8: Complete Sewer Separation Projects in targeted areas that are more prone to flooding caused by sewer surcharge.</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> 4-6 Million per Area; High	<b>Potential Funding Source:</b> Enterprise Funds, Service Areas	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Flooding
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of La Grange Park				
<b>Applicable Goal</b>	2,3				
<b>Applicable Objective</b>	3, 9				

<b>Cost Analysis (Low, Medium, High)</b>	High
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	High
<b>Action/Implementation Plan and Project Description:</b>	No new areas addressed. There have though been some discussions and plans regarding designing a system for one particular area of apparent greatest need to convey rain water from that area to the creek and away from combined system.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	O

**Action L-2.9**

<b>Mitigation Action #9: Complete and Distribute the Customized Emergency Preparedness Guide specifically for Village residents to include actions for all hazards and shelter and evacuation instructions.</b>					
<b>Lead Agency/Department Organization:</b> EMA	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> Low	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short-term Bi-Annually	<b>Hazard(s) Mitigated:</b> All Hazards
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of La Grange Park				
<b>Applicable Goal</b>	2,4,6				
<b>Applicable Objective</b>	5, 6, 8, 12				
<b>Cost Analysis (Low, Medium, High)</b>	Low				

<b>Priority and Level of Importance (Low, Medium, High)</b>	High
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	High
<b>Action/Implementation Plan and Project Description:</b>	As noted, plan to complete and distribute a guide to all residents for all hazards, shelter and evacuation instructions. Will develop as time permits, potentially once Emergency Operations Plan is updated, along with companion documents.
<b>Actual Completion Date or Ongoing Indefinite</b>	X
<b>Project Status &amp; Changes in Priority Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	X

**Action L-2.12**

<b>Mitigation Action #12: Pre-position sandbags and additional salt pallets at the Public Works Facility for immediate distribution to residents.</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> Low	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short-term Ongoing	<b>Hazard(s) Mitigated:</b> Flooding, Severe Winter Weather
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of La Grange Park				
<b>Applicable Goal</b>	2,6				
<b>Applicable Objective</b>	1, 2, 8				
<b>Cost Analysis (Low, Medium, High)</b>	Low				
<b>Priority and Level of Importance (Low, Medium, High)</b>	High				

<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Medium
<b>Action/Implementation Plan and Project Description:</b>	Continually evaluate initial response supplies for sandbagging and flood mitigation should a flooding threat or flooding occur.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	O

**Action L-2.13**

<b>Mitigation Action #13: Where appropriate, support retrofitting, purchasing, or relocating structures in hazard-prone areas to prevent future damage. Give priority to properties with exposure to repetitive losses.</b>					
<b>Lead Agency/Department Organization:</b> Building Department	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> BRIC, HMGP	<b>Estimated Projected Completion Date:</b> Long-term (depending on funding and need)	<b>Hazard(s) Mitigated:</b> All Hazards
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of La Grange Park				
<b>Applicable Goal</b>	2,3				
<b>Applicable Objective</b>	7, 13				
<b>Cost Analysis (Low, Medium, High)</b>	High				
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium				
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	High				

<b>Action/Implementation Plan and Project Description:</b>	No plan of action appears to be needed at this time. So far, only accessory type structures in single-family residential districts appear to be impacted.
<b>Actual Completion Date or Ongoing Indefinite</b>	
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	X

**Action L-2.14**

<b>Mitigation Action #14: Continue to support the countywide actions identified in this plan.</b>					
<b>Lead Agency/Department Organization:</b> La Grange Park Administration	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> Low	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short- and long-term	<b>Hazard(s) Mitigated:</b> All Hazards
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of La Grange Park				
<b>Applicable Goal</b>	1,2,3,4,5,6				
<b>Applicable Objective</b>	All				
<b>Cost Analysis (Low, Medium, High)</b>	Low				
<b>Priority and Level of Importance (Low, Medium, High)</b>	High				
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>	Medium				
<b>Action/Implementation Plan and Project Description:</b>					
<b>Actual Completion Date or Ongoing Indefinite</b>					
<b>Project Status &amp; Changes in Priority</b>	O				

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

**Action L-2.15**

<b>Mitigation Action #15: Actively participate in the plan maintenance strategy identified in this plan.</b>					
<b>Lead Agency/Department Organization:</b> EMRS, La Grange Park Administration	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> Low	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> All Hazards
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of La Grange Park				
<b>Applicable Goal</b>	1,2,3				
<b>Applicable Objective</b>	3, 4, 6				
<b>Cost Analysis (Low, Medium, High)</b>	Low				
<b>Priority and Level of Importance (Low, Medium, High)</b>	High				
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>	Low				
<b>Action/Implementation Plan and Project Description:</b>					
<b>Actual Completion Date or Ongoing Indefinite</b>					
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed	O				

Action L-2.16

<p><b>Mitigation Action #16: 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></p>					
<p><b>Lead Agency/Department Organization:</b> La Grange Park Administration, Building Works</p>	<p><b>Supporting Agencies/Organizations:</b></p>	<p><b>Estimated Cost:</b> Low</p>	<p><b>Potential Funding Source:</b> General Fund</p>	<p><b>Estimated Projected Completion Date:</b> Short-term and Ongoing</p>	<p><b>Hazard(s) Mitigated:</b> Flooding</p>
<b>Year Initiated</b>		2014			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		2,4			
<b>Applicable Objective</b>		4, 6, 9			
<b>Cost Analysis (Low, Medium, High)</b>		Low			
<b>Priority and Level of Importance (Low, Medium, High)</b>		High			
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>		Medium			
<b>Action/Implementation Plan and Project Description:</b>					
<b>Actual Completion Date or Ongoing Indefinite</b>					
<p><b>Project Status &amp; Changes in Priority Completion status legend:</b>  <b>N</b> = New; <b>I</b> = In Progress Toward Completion;  <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed</p>		O			



Action L-2.17

<b>Mitigation Action #17: Consider participation in incentive-based programs such as the Community Rating System and StormReady.</b>					
<b>Lead Agency/Department Organization:</b> Village of La Grange Park Administration	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> Low	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> All Hazards
<b>Year Initiated</b>		2014			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		2,4,6			
<b>Applicable Objective</b>		3, 4, 5, 6, 7, 9, 10, 11, 13			
<b>Cost Analysis (Low, Medium, High)</b>		Low			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Medium			
<b>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</b>		Medium			
<b>Action/Implementation Plan and Project Description:</b>					
<b>Actual Completion Date or Ongoing Indefinite</b>					
<b>Project Status &amp; Changes in Priority</b> <b>Completion status legend:</b> 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 L2.22

<b>Mitigation Action #22: Central Area Sewer Mitigation Project</b>
---

<b>Lead Agency/Department Organization:</b> La Grange Park Public Works	<b>Supporting Agencies/Organizations:</b> MWRDGC, IEPA, IDOT	<b>Estimated Cost:</b> \$12,000,000.00	<b>Potential Funding Source:</b> General Fund (Rebuild IL Program), ARPA, HMGP, BRIC	<b>Estimated Projected Completion Date:</b> Dependent upon funding.	<b>Hazard(s) Mitigated:</b> Flooding
<b>Year Initiated</b>		2020			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		1,2,3			
<b>Applicable Objective</b>		1,2,3			
<b>Cost Analysis (Low, Medium, High)</b>		High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).			
<b>Priority and Level of Importance (Low, Medium, High)</b>		High			
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)		High—Project will provide an immediate reduction of risk exposure for life and property. This project is intended to provide flooding relief for multiple properties and structures experiencing flooding from surcharged combined sewers and overland water travel. This will mitigate many dangerous flooded streets and intersections.			
<b>Action/Implementation Plan and Project Description:</b>		The Village is designing a system, actively pursuing grants, and working with agencies and legislators. The proposed Central Area Sewer Separation Program is a critically needed project to provide flood relief to residents in LaGrange Park. The proposed storm sewer will provide localized flooding relief to the area of the Village bounded by 31st Street on the north, LaGrange Road on the west, Homestead Road on the south and the IHB Railroad on the east. This area has			

	<p>experienced increased frequency of flooding and damage in recent years. The storm on May 17, 2020 had the greatest extent of flooding and property damage ever recorded for this area. The flooding resulted in damage to structures due to overland runoff and basement back-up. The topography of the area slopes from west to east from Language Road with the IHB Railroad embankment being a barrier on the east. The area is slightly pitched from the north and south to a low area along Monroe Avenue. There are several localized low areas within the broader area, namely the intersections of Barnsdale Road and Jackson Avenues, and on Monroe between Forest Road and Barnsdale Road. The existing sewer network consists of combination sewers that are inadequate to convey both the sanitary and storm water flows during heavy rain events. When the sewers surcharge into basements or from open catch basin lids in the street, a combination of storm water and sanitary sewage is present creating a great public health concern. This project is of vital importance to the administration, local schools, businesses, and residents to help alleviate and reduce the frequency and magnitude of those types of events.</p>
<p><b>Actual Completion Date or Ongoing Indefinite</b></p>	
<p><b>Project Status &amp; Changes in Priority</b>  <b>Completion status legend:</b>  <b>N</b> = New; <b>I</b> = In Progress Toward Completion;  <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b>  = Want Removed from Annex; <b>X</b> = No Action  Taken/Delayed</p>	<p>O</p>

Action L2.23

<b>Mitigation Action #23: Update Safety and Communications with Installation of multi-band mobile radios</b>					
<b>Lead Agency/Department Organization:</b> La Grange Park Fire Department	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> \$80,000	<b>Potential Funding Source:</b> General Fund, AFG,	<b>Estimated Projected Completion Date:</b> 2024	<b>Hazard(s) Mitigated:</b> All Hazards
<b>Year Initiated</b>		2022			
<b>Applicable Jurisdiction</b>		Village of La Grange Park			
<b>Applicable Goal</b>		2,3			
<b>Applicable Objective</b>		1, 5			
<b>Cost Analysis (Low, Medium, High)</b>		High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Medium			
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)		High—Project will provide an immediate reduction of risk exposure for life and property.			
<b>Action/Implementation Plan and Project Description:</b>		Install multi-band mobile radios in all fire apparatus and ambulances, so that personnel can communicate on both STARCOM and VHF frequencies. Currently, personnel do not have that option and at times there is confusion based upon using portable radios and mobile radios with different channels and capabilities.			
<b>Actual Completion Date or Ongoing Indefinite</b>		As of 04-30-24, most radios and actions complete. Waiting on modification of one of the radios.			
<b>Project Status &amp; Changes in Priority Completion status legend:</b> <b>N</b> = New; <b>I</b> = In Progress Toward Completion; <b>O</b> = Ongoing Indefinitely; <b>C</b> = Project Completed; <b>R</b> = Want Removed from Annex; <b>X</b> = No Action Taken/Delayed		C			

## Completed Actions

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

Completed Action Items
Install New Emergency Generator for Village Hall Complex, including Communications Center, and Fire Station 1.
Conduct Table-Top Exercise to simulate disaster response and test capabilities of Emergency Operations Center.
Maintain Code RED System, including encouraging residents to register and update information, and ensure Communications Center personnel are trained in using it.
Update the Building and Fire Codes by adopting newer model codes and writing amendments to such codes that correlate to the sections in the model codes.
Install New Emergency Generator at Fire Station 2.
Produce and Distribute a Resource Guide for Residents on Protection from Hazards and Evacuation
Increased radio interoperability through the County's StarCom Radio System - in cooperation with two other towns, LaGrange and Western Springs.
Implement Rave Alert/Smart 911
Permeable Pavement Intersections

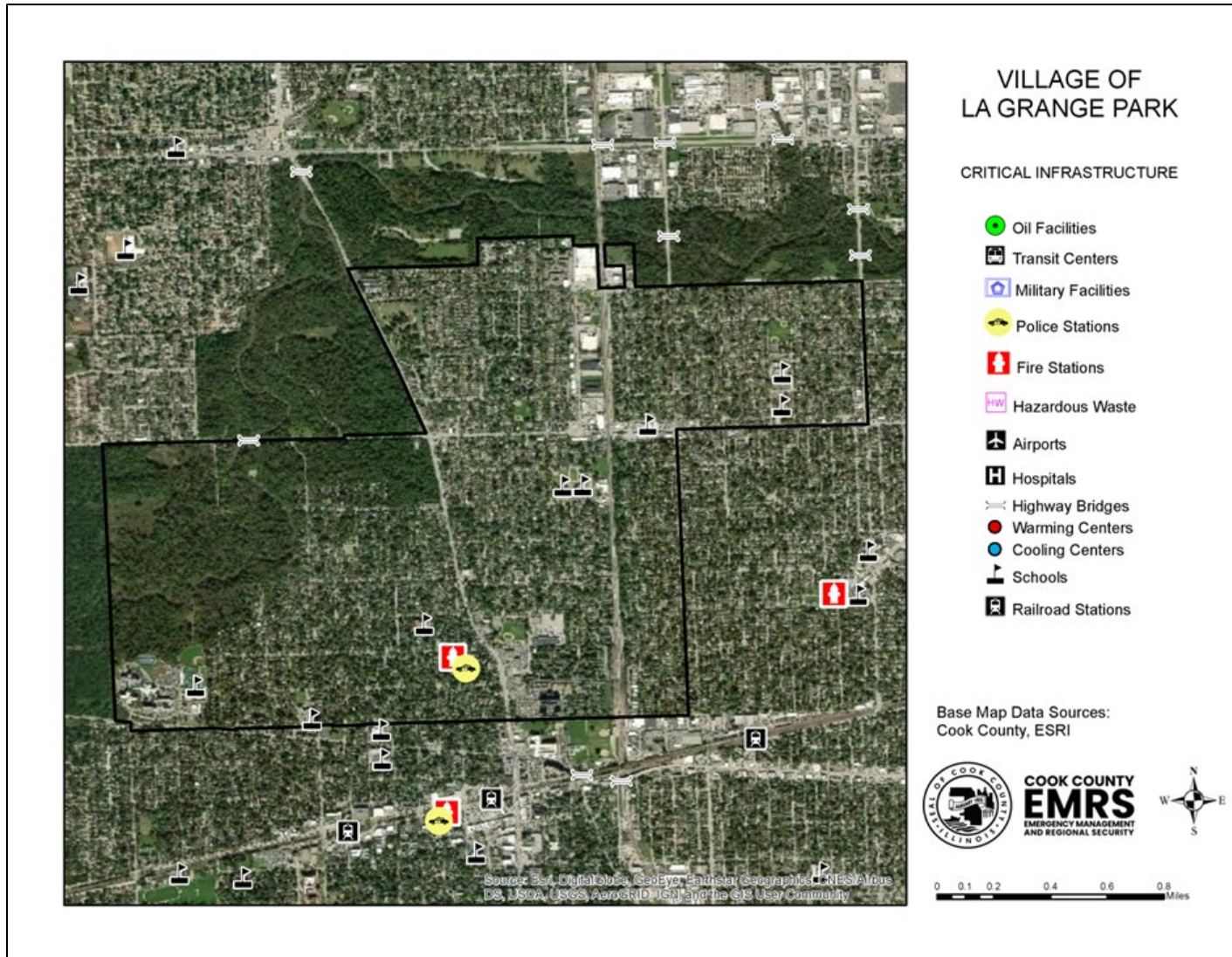
## Future Needs to Better Understand Risk/Vulnerability

No needs have been identified at this time.

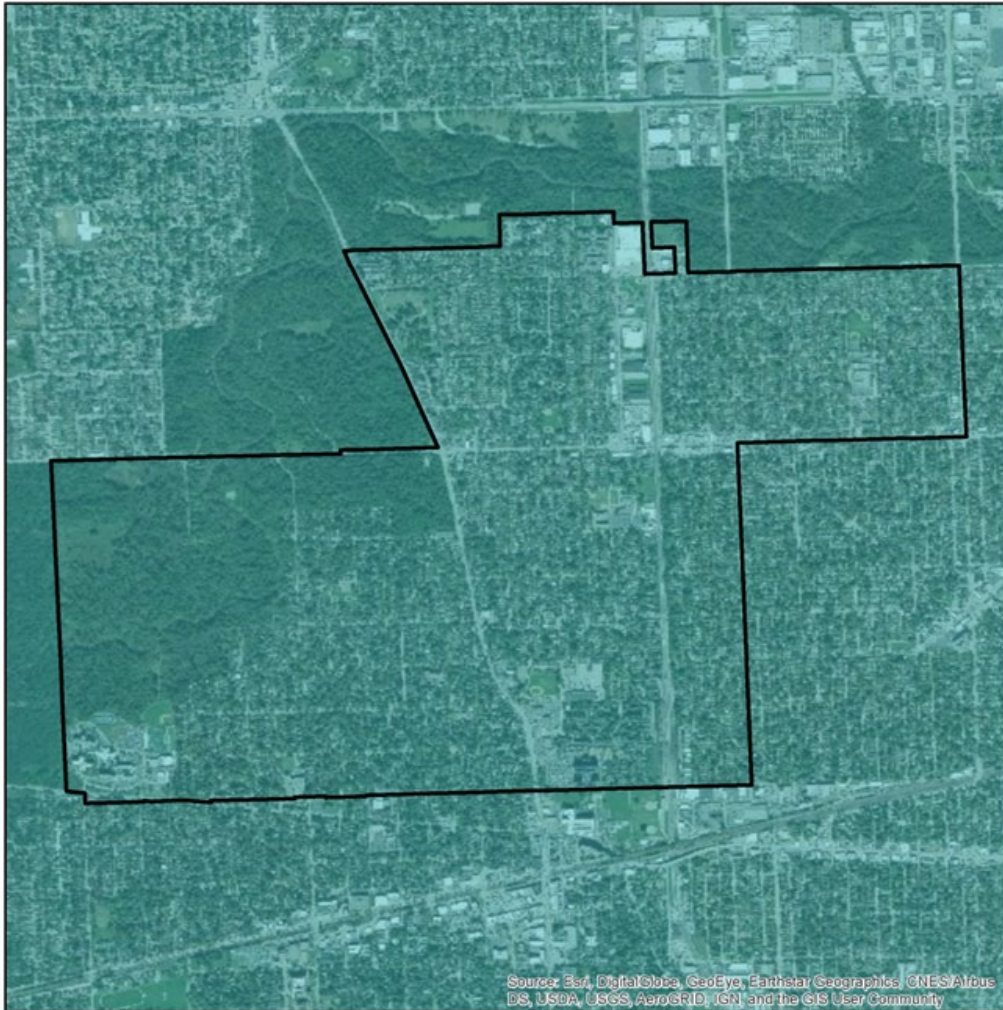
## Additional Comments

No additional comments at this time.

## Hazard Mapping







## VILLAGE OF LA GRANGE PARK

### 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.

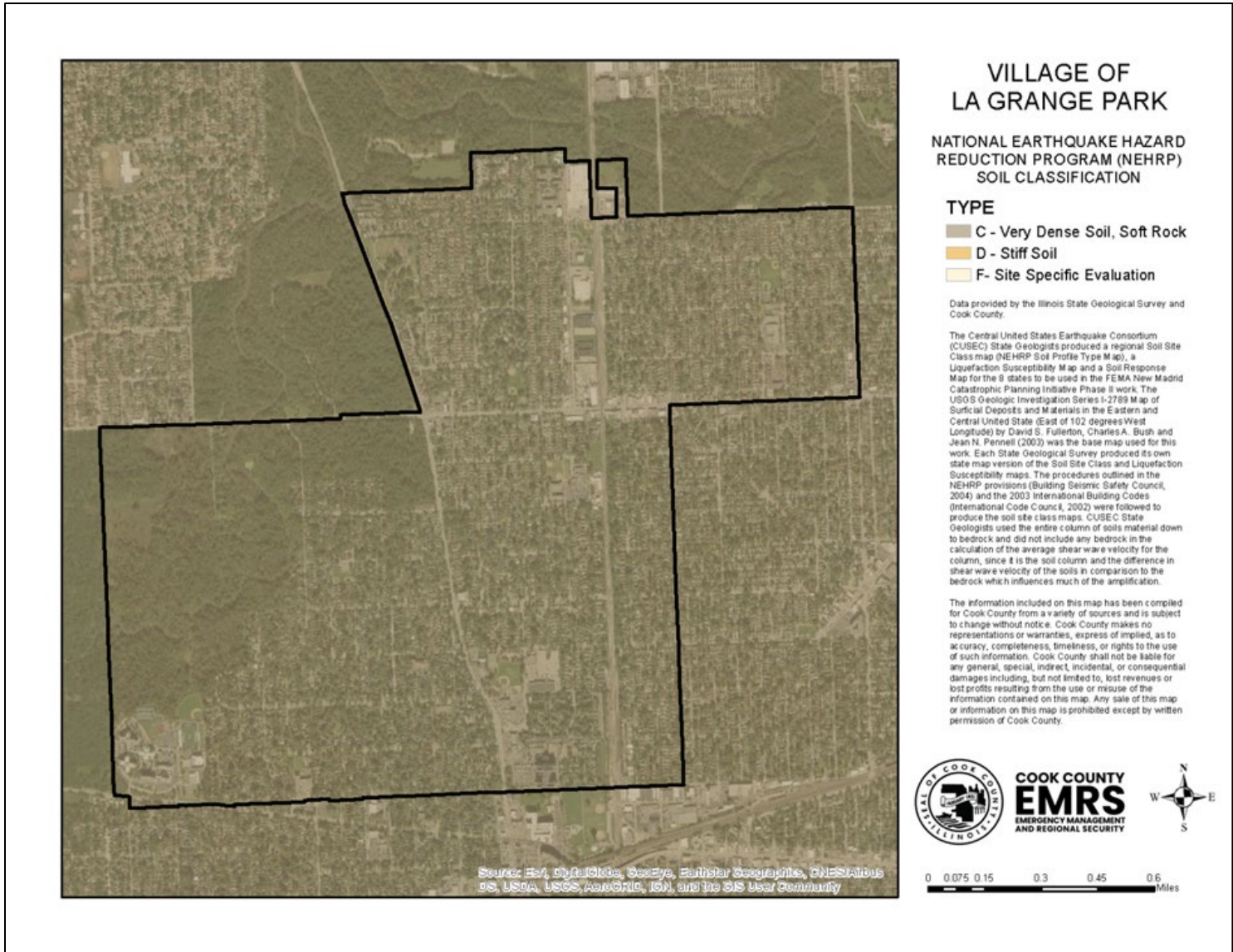
The information included on this map has been compiled for Cook County from a variety of sources and is subject to change without notice. Cook County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. Cook County 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.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



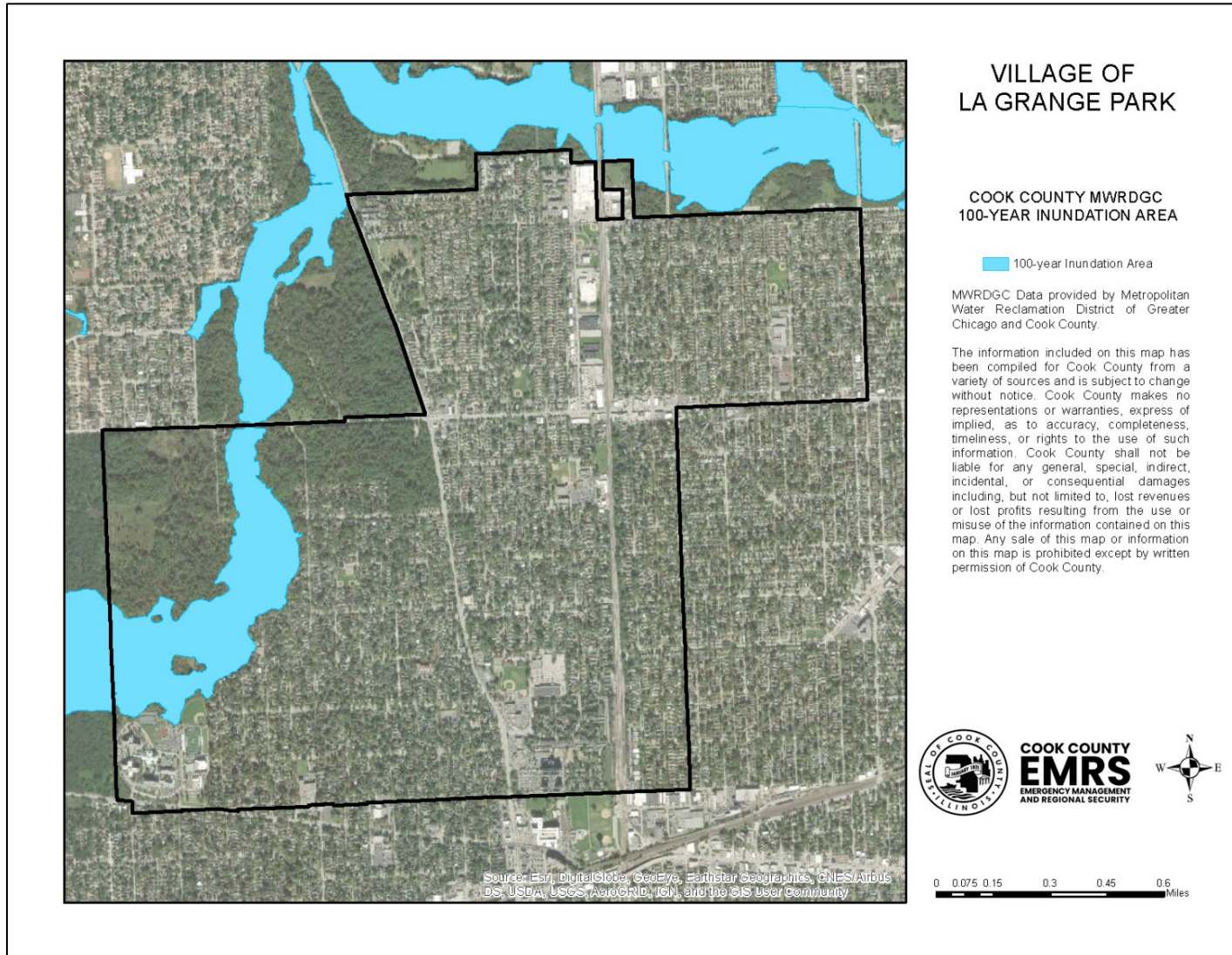
**COOK COUNTY**  
**EMRS**  
EMERGENCY MANAGEMENT  
AND REGIONAL SECURITY

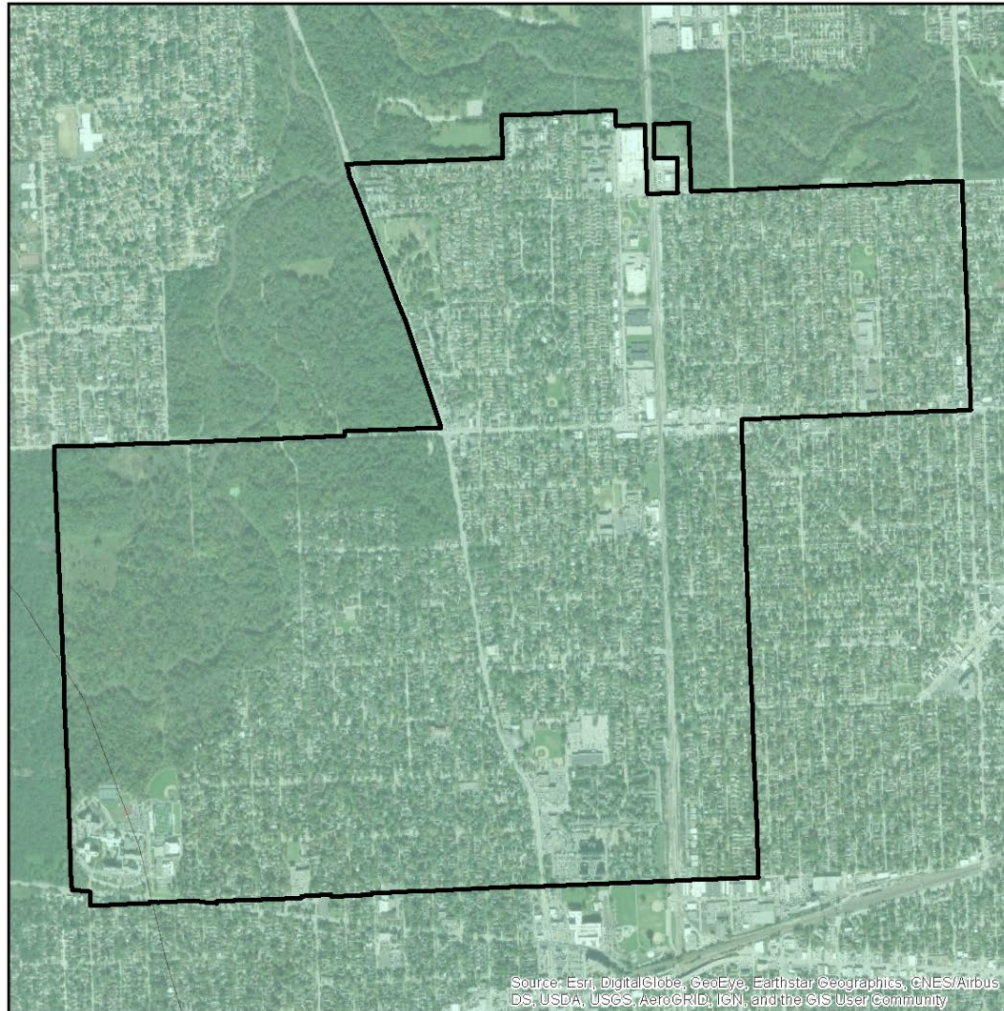






DISCLAIMER: The Cook County MWRDGC 100-year Inundation Map is provided to show general flood risk information regarding floodplains and inundation areas. This map is not regulatory. Official FEMA Flood Insurance Study information and regulatory maps can be obtained from <http://www.fema.gov>.





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

## VILLAGE OF LA GRANGE PARK

### LIQUEFACTION SUSCEPTIBILITY

#### LIQUEFACTION SUSCEPTIBILITY

- high
- low
- very low

Data provided by the Illinois State Geological Survey and Cook County.

The Central United States Earthquake Consortium (CUSEC) State Geologists produced a regional Soil Site Class map (NEHRP Soil Profile Type Map), a Liquefaction Susceptibility Map and a Soil Response Map for the 8 states to be used in the FEMA New Madrid Catastrophic Planning Initiative Phase II work. The USGS Geologic Investigation Series I-2769 Map of Surficial Deposits and Materials in the Eastern and Central United State (East of 102 degrees West Longitude) by David S. Fullerton, Charles A. Bush and Jean N. Pennell (2003) was the base map used for this work. Each State Geological Survey produced its own state map version of the Soil Site Class and Liquefaction Susceptibility maps. The procedures outlined in the NEHRP provisions (Building Seismic Safety Council, 2004) and the 2003 International Building Codes (International Code Council, 2002) were followed to produce the soil site class maps. CUSEC State Geologists used the entire column of soils material down to bedrock and did not include any bedrock in the calculation of the average shear wave velocity for the column, since it is the soil column and the difference in shear wave velocity of the soils in comparison to the bedrock which influences much of the amplification.

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

