

## Schaumburg

### 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 78,723. The 2022 U.S. Census estimate indicated the population was 76,225.

**Population Growth:** The overall population has increased by 3.69% between 2018 and 2022.

**Location and Description:** Schaumburg is located approximately 28 miles northwest of downtown Chicago and 10 miles northwest of O'Hare International Airport. Schaumburg is bordered by Hoffman Estates and Palatine to the north, Elk Grove Village to the southeast, Roselle on the south, Hanover Park on the southwest, and Streamwood on the west. The village is 19 square miles and is comprised of commercial, industrial and residential development. The village contains one of only two IKEA stores in Illinois. It also contains Woodfield Mall which is the 10th largest mall in America.

**Brief History:** The Village of Schaumburg was incorporated on March 7, 1956, but the first inhabitants of the area were members of the Sauk, Fox, Pottawatomie, and Kickapoo Indian tribes. The first recorded settler of Schaumburg Township was German-born Johann Sunderlage. Schaumburg Township was originally known as Sarah's Grove. This name was derived from a grove of woods that ran through the northwest portion of the Township, named for three young women whose families lived adjacent to the grove: Sarah McChesney, Sarah Frisbe, and Sarah Smith. However, the name was never made official. Until 1851, the area's official name was Township 41. At the 1850 Township meeting, residents discussed two names for the Township; Lutherville and Lutherburg. At the suggestion of a prominent landowner, Frederick Nerge, the chosen name was Schaumburg, derived from Schaumburg-Lippe, the part of Germany where many of the Township's residents originated. On March 7, 1956, Schaumburg was officially incorporated.

**Climate:** Schaumburg averages 32 inches of rain per year and 36 inches of snowfall. The number of days with any measurable precipitation is 126. On average, there are 189 sunny days per year. The

July high is around 86 degrees and the January low is 12 degrees. The comfort index, which is based on humidity during the hot months, is 47 out of 100, where higher is more comfortable.

**Governing Body Format:** The Village of Schaumburg Governing Body consists of a Village President and six elected trustees, each of whom serve four year term of office with staggered terms. This body of Government will assume the responsibility for the adoption and implementation of this plan. The Village of Schaumburg is comprised of 11 departments which include General Government (Manager's Office), Community Development, Community Services, Cultural Services, Engineering Public Works, Finance, Fire, Human Resources, Information Technology, Police and Transportation.

**Development Trends:** The Village of Schaumburg's first Comprehensive Plan was adopted in 1961. This plan ear marked a large portion of the community for intensive industrial, commercial and residential development and guided the initial development of the village. The village completed a comprehensive update to the plan in 1996. The village has adopted several more detailed plans which focus on specific areas within Schaumburg to help guide future development and redevelopment. The Village of Schaumburg is focusing on redeveloping the area of the village located north of the stretch of the I-90N. Corridor will include a mix use including commercial, hospitality, office, and multi-family residences. Originally planned as primarily an office/industrial center, the North Schaumburg area is recommended to develop into a mixed use destination area with office, industrial, residential, commercial and entertainment uses. This area of Schaumburg is well interconnected in an urban park-like environment consisting of an extensive system of greenways, parks, and trails. Combined with the more intensive mix of uses planned as part of the Walden Village (WV), the North Schaumburg area will form an integrated neighborhood to create a high quality, sustainable, regional center. Since 2014, Schaumburg has had a lot of economic growth with many new businesses opening. The Village of Schaumburg was ranked No. 9 out of 100 cities across the U.S. in MONEY Magazine's annual "Best Places to Live" list in October 2017 for offering a healthy economy, affordable homes, and a high quality of life to its residents.

**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 the *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	In accordance with Public Act

					096-0704, Illinois has adopted the IBC as its state Building Code. The Village of Schaumburg has adopted the International Building Code, 2015 Edition on 3/13/2018. Ord. 18-032.
Zonings	Yes	No	No	Yes	Ord. 95-62 6/13/95
Subdivisions	Yes	No	No	No	Ord. 04-55 4/27/04
Stormwater Management	Yes	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA. Ord. 09-24 2/24/09
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	No	No	No	No	
Public Health and Safety	Yes	No	Yes	Yes	Cook County Board of Public Health. State Dept. of Public Health. The Village of Schaumburg has adopted the International Fire Code, 2015 ED. on JAN 23, 2018. Ord. 18-011.
Environmental Protection	No	No	No	No	

<b>Planning Documents</b>					
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	No	No	No	No	
Stormwater Plan	No	No	Yes	Yes	Storm water impacts are managed by MWRD. The Village lies within the Upper Salt Creek watershed planning area of MWRD's comprehensive Storm Water Master Planning Program
Capital Improvement Plan	Yes	No	No	No	The Village of Schaumburg Capital Improvement Plan addresses all village facilities and infrastructure including fire, police, public works as well as roads, bridges, water and sewer. Five Year CIP Plan/Revised Annually.
<i>What types of capital facilities does the plan address?</i>					See above
<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	N/A
<b>Response/Recovery Planning</b>					
Comprehensive Emergency Management Plan	Yes	No	Yes	Yes	The Village of Schaumburg Emergency Operations Plan was updated on 6/19/15 and is currently in revision process.
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County EMRS Preparing THIRA
Terrorism Plan	Yes	No	Yes	Yes	Annex 'L' Village of Schaumburg EOP updated 6/19/15.
Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	Yes*	No	Yes	No	Cook County EMRS *In Development, EST Completion 2019
Public Health Plans	No	No	Yes	No	Cook County DPH

<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	No
State Sponsored Grant Programs	No

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	Community Development/ Engr./ Public Works Departments. Village of Schaumburg
Engineers or professionals trained in building or infrastructure construction practices	Yes	Engr./ Public Works Dept./ Village of Schaumburg
Planners or engineers with an understanding of natural hazards	Yes	Engr./ Public Works Dept./ Village of Schaumburg
Staff with training in benefit/cost analysis	No	Engr./ Public Works Dept./ Village of Schaumburg
Surveyors	Yes	Outsource
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	Yes	Community Development Dept. Engineer
Emergency manager	Yes	Fire Dept./ EMA Coordinator
Grant writers	Yes	Individual Depts./ Village of Schaumburg

<b>TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE</b>	
What department is responsible for floodplain management in your jurisdiction?	Engr. Public Works/ Community Development Dept.
Who is your jurisdiction's floodplain administrator? (department/position)	Community Development Dept./ Civil Engineer
Are any certified floodplain managers on staff in your jurisdiction?	Yes
What is the date of adoption of your flood damage prevention ordinance?	10-24-2000 Ord. 00-168
When was the most recent Community Assistance Visit or Community Assistance Contact?	Have not had 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.	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; Undecided

### **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:*

##### 150.02 Definitions

**SUBSTANTIAL IMPROVEMENT:** Any repair, reconstruction or improvement of a structure, the cost of which equals or exceeds fifty percent (50%) of the market value of the structure either: a) before the improvement or repair is started, or b) if the structure has been damaged, and is being restored, before the damage occurred. 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 structure. The term does not, however, include either: a) 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 b) any alteration of a structure listed on the National Register of Historic Places or a state inventory of historic places.

##### 150-04 Duties of the Enforcement Official(s)

The director of engineering and public works shall be responsible for the general administration and enforcement of this chapter which shall include the following:

(A) Floodplain Designation: In the event the director of engineering and public works deems it necessary, he may require that verification be supplied by the applicant, from IDNR/OWR, FEMA, or the army corps of engineers to determine whether the development site is in an SFHA. A detailed engineering study may be required by the director of engineering and public works to determine whether the development is within an SFHA. If the development sites are in an SFHA, determine whether they are in a floodway, *flood* fringe or in a floodplain on which a detailed study has not been conducted which drains more than one (1) square mile.

(B) Professional Engineer Review: If the development site is within a floodway or in a floodplain on which a detailed study has not been conducted which drains more than one (1) square mile then the permit shall be referred to a registered professional engineer (PE) under the employ or contract of the village, or approved by the director of engineering and public works, for review to ensure that the development meets the requirements of section 150.07 of this chapter. In the case of an appropriate use, the PE shall state in writing that the development meets the requirements of section 150.07 of this chapter.

Their ordinance did not include substantial improvement / substantial damage rule provisions; future updates will consider inclusion of these rules as applicable and as appropriate.

TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	No	N/A	N/A
Public Protection/ISO	Yes	ISO Class 2	2017
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	No	N/A	N/A

### **Opportunities to Expand and Improve Capabilities**

At this time, the Village of Schiller Park has not identified opportunities to expand or improve our current capabilities. Should such opportunities be identified in the future, this Capability Assessment will be updated accordingly.

### **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: 2 (1 Single Family, 1 Other Residential)
- 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
Tornado, EF0	-	7/12/2023	1.1 miles; tree damage

Severe Wind Damage	-	6/13/2022	Widespread tree damage, power outages
Tornado, EF0	-	6/13/2022	2.2 mile length through Schaumburg/Roselle. Structural damage to business roof and trees.
Heavy Rain	-	5/30/2018	In Schaumburg, several cars were underwater in a flooded parking lot.
Flooding	-	5/30/2018	-
Flooding	-	7/23/2017	-
Flooding/HailSevere Weather/Straight Line Winds	-	7/21/2017	Water was reported on multiple roads in Schaumburg.
Severe Weather/Straight Line Winds	-	7/21/2017	-
Hail	-	3/20/2017	-
Hail	-	7/17/2015	-
Lightning	-	6/19/2014	\$50,000 in property damage.
Severe Winter Weather	-	12/2013 - 04/2014	-
Severe Weather/Urban Flooding	DR-4116	4/26/2013	-
Blizzard	DR-1960	2/01/2011	PA \$273,995
Severe Weather/Urban Flooding	-	7/23/2011	-
Severe Weather/Thunderstorm Winds	-	6/21/2011	Estimated wind gusts to 70 mph occurred in Schaumburg.
Severe Weather/Urban Flooding	DR-1935	7/23/2010	-
Severe Weather/Urban Flooding	-	6/19/2009	Many roads were flooded in Schaumburg.
Severe Weather/Urban Flooding	DR-1800	9/13/2008	PA \$48,470
Severe Weather/Straight Line Winds	DR-1729	8/20/2007	-
Severe Weather/Urban Flooding	DR-798	8/13/1987	-
Severe Weather/Urban Flooding	DR-776	9/21/1986	-
Snow Storm	EM-3134	1/01/1999	-
Snow Storm	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.

**Flood:** In our community, the intersection of Weathersfield Way and Brain Tree Ln has been subject to repetitive flooding in heavy rains. Also, our healthcare facility is susceptible to flooding due to run-off rainwater. In order to identify similar areas subject to flooding in our community, we need to contact EPW for verification.

**Lightning:** Lightning has the potential to bury power lines subject to lightning impact (i.e. Plum Grove Rd).

Indicator	Number	Percent
Families in poverty	1,699	4.4%
People with disabilities	12,875	8.8%
People over 65 years	23,332	15.9%
People under 5 years	9,829	6.7%
People of color	62,747	42.8%
Black	6,522	4.4%
Native American	502	0.3%
Hispanic	21,955	15%
Difficulty with English	6,449	4.7%
Households with no car	2,134	3.8%
Mobile homes	67	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.

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

Hazard	Vulnerability
<b>Current Vulnerability</b>	
Dam and Levee Failure	Remained the Same
Drought	Unknown
Earthquake	Remained the Same
Flood (Riverine, Urban, Shoreline)	Remained the Same
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Increased

Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Increased
Tornado	Increased
Wildfire (Wildfire Smoke)	Remained the Same

Hazard	Vulnerability
<b>Future Vulnerability</b>	
Dam and Levee Failure	No Change is Anticipated
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

### **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	Remained the Same
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	No Change is Anticipated
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
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Our community does not anticipate future major assets may be exposed or vulnerable to any of the natural hazards identified in this Hazard Mitigation Plan. Any new assets (e.g., new construction in hazard prone areas) will be constructed to adhere to the latest building codes and standards, and mitigation to protect them from identified and anticipated hazards, especially those that are expected to increase due to climate change.

## 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	Tornado
2	Severe Winter Weather
3	Severe Weather
4	Flood
5	Drought
6	Earthquake
7	Wildfire

## New Mitigation Actions

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

### Action S-2.42

Mitigation Action #42: Conduct Community Workshops					
<b>Lead Agency/Department Organization:</b> Administration	<b>Supporting Agencies/Organizations:</b> Emergency Manager	<b>Estimated Cost:</b> Low	<b>Potential Funding Source:</b> General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC)	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2024			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		2,6			
<b>Applicable Objective</b>		1			
<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>		Community workshops with a resident emergency kit to distribute to attendees. This mitigation action is designed for public information and mitigation to help residents be more prepared for emergencies. The Emergency Manager frequently holds community workshops but is unable to go a step beyond and provide emergency kits to each of the residents, buy supplies for			

	demonstrations of emergency equipment to have on hand, and provide books, safety plans for emergency situations.
<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 S-2.43**

<b>Mitigation Action #43: Bode and Walnut Force Main Improvements-</b>					
<b>Lead Agency/Department Organization:</b> EPW	<b>Supporting Agencies/ Organizations:</b> Village	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC)	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Flood (Riverine, Urban, Coastal/Shoreline)
<b>Year Initiated</b>	2024				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	1,2,3				
<b>Applicable Objective</b>	2,9				
<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</b> (Loss Avoided or Issue Being Mitigated)	High
<b>Action/Implementation Plan and Project Description:</b>	Bode and Walnut Force Main Improvements-The replacement or rehabilitation of sanitary force main to provide continuous sanitary sewer service to all homes upstream of the Bode and Walnut lift station basins. Sanitary improvements are being coordinated with Bode Road pavement improvements. The MWRD IICP program of flow metering and remediation has been completed in this area.
<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 S-2.44**

<b>Mitigation Action #44: Salt Conveyor Replacement</b>					
<b>Lead Agency/Department Organization:</b> Engineering / Public Works	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> General Fund Hazard Mitigation Grant Program (HMGP)	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
<b>Year Initiated</b>	2024				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	2,3				
<b>Applicable Objective</b>	2				

<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</b> (Loss Avoided or Issue Being Mitigated)	Medium
<b>Action/Implementation Plan and Project Description:</b>	Salt Conveyor Replacement
<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	N

**Action S-2.45**

<b>Mitigation Action #44: Safe Room Installation</b>					
<b>Lead Agency/Department Organization:</b> Engineering / Public Works	<b>Supporting Agencies/Organizations:</b> Emergency Management	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC)	<b>Estimated Projected Completion Date:</b> Short-term	<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>	2025				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	2,3				
<b>Applicable Objective</b>	1,2				
<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>	Safe room installation at public safety and municipal buildings. The Village is in the process of the development of a new public safety building and a new municipal building. To ensure safety of visitors and staff, the village would like to install safe rooms within the structure to protect occupants from both natural and man-made disasters.				
<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

The following are ongoing actions with no definitive end or that are still in progress. During the 2024 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.

### Action S-2.2

**Mitigation Action #2: The village cost-sharing program will assist residents of older homes in installing overhead sewers.**

<b>Lead Agency/Department Organization:</b> Engineering and Public Works Dept.	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> \$25,000	<b>Potential Funding Source:</b> CIP	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Urban Flooding, Severe Weather
<b>Year Initiated</b>		2014			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		1,2,3			
<b>Applicable Objective</b>		1,2,6,9,13			
<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</b> (Loss Avoided or Issue Being Mitigated)		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 2020: The cost-share program continues annually and is administered through the Community Development Department. The current Village budget is \$6,000 annually 2023: No change			

**Action S-2.4**

<b>Mitigation Action #4: Implement culvert and detention improvements recommended from the Action S2.3 study.</b>					
<b>Lead Agency/Department Organization:</b> Engineering and Public Works Dept.	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> CIP	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Urban Flooding, Severe Weather

<b>Year Initiated</b>	2014
<b>Applicable Jurisdiction</b>	Village of Schaumburg
<b>Applicable Goal</b>	1,2,3
<b>Applicable Objective</b>	1,2,9,13
<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>	High
<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	X 2021: The study has been completed, and a 5-year plan has been implemented to take action based on the analysis performed. 2020: The construction of this can only occur once the final design is completed. The Village will be seeking grant funding to complete construction.

**Action S-2.7**

<b>Mitigation Action #7: Conduct EOC Exercises to train the Village Incident Management Team on Disaster Events.</b>					
<b>Lead Agency/Department Organization:</b> Village of Schaumburg 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	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	1,4,5				
<b>Applicable Objective</b>	1,5,8				
<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</b> (Loss Avoided or Issue Being Mitigated)	High
<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	<b>O</b> <b>2021/2023: This is ongoing annually in coordination with JEMS</b>

**Action S-2.8**

<b>Mitigation Action #8: Maintain the Village of Schaumburg's Outdoor Warning Siren System and upgrade the system as necessary.</b>					
<b>Lead Agency/Department Organization:</b> Village of Schaumburg EMA	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> \$17,500	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> Tornado, Severe Weather
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	1,2,3				
<b>Applicable Objective</b>	1,2,5				
<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</b> (Loss Avoided or Issue Being Mitigated)	High				
<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				

<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	2021: Ongoing. Two sirens are scheduled for upgrades Nov/Dec 2021 2023 In process of securing a new siren upgrade for FY 25
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**Action S-2.10**

<b>Mitigation Action #10: Continue to support the countywide actions identified in this plan</b>					
<b>Lead Agency/Department Organization:</b> Village of Schaumburg 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
<b>Year Initiated</b>		2014			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		1,2,5			
<b>Applicable Objective</b>		All			
<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>		High			
<b>Action/Implementation Plan and Project Description:</b>		The Village of Schaumburg will continue to support the countywide actions which are identified in the Plan.			
<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 S-2.11**

<b>Mitigation Action #11: Actively participate in the plan maintenance identified in this plan.</b>					
<b>Lead Agency/Department Organization:</b> EMRS, Village of Schaumburg 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
<b>Year Initiated</b>		2014			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		1,2,5			
<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>		Medium			
<b>Action/Implementation Plan and Project Description:</b>		The Village of Schaumburg will actively participate in the plan maintenance identified in this Plan.			
<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 S-2.15**

<b>Mitigation Action #15: Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or development.</b>					
<b>Lead Agency/Department Organization:</b> Community Development	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> Low	<b>Potential Funding Source:</b>	<b>Estimated Projected</b>	<b>Hazard(s) Mitigated:</b> All



			General Fund	<b>Completion Date:</b> Short-term	
<b>Year Initiated</b>	2014				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	1,5				
<b>Applicable Objective</b>	3,4,6,10,13				
<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</b> (Loss Avoided or Issue Being Mitigated)	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> <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</p> <p>2020: The Community Development Department does not allow the building of structures within identified flood zones to mitigate against flooding in the community.</p>				

**Action S-2.17**

<b>Mitigation Action #17: Burial of electrical lines to prevent interruption of services during severe weather</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> General Fund, BRIC/Com-Ed Partnership	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Widespread Power Outage
<b>Year Initiated</b>	2021				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	3				
<b>Applicable Objective</b>	1,2				

<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)	Loss of power could result in a loss of services to protect life including heat, air condition, food storage Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
<b>Action/Implementation Plan and Project Description:</b>	Bury existing overhead powerlines to mitigate against severe weather damage which will impact life safety. Identified areas required in order of priority are: Spring south Road (Schaumburg Road to Wise Road) Meacham Road (I-90 south to Village Limits) Plum Grove Road (Golf to Higgins and Higgins to Schaumburg) Algonquin Road (Meacham Road to western village limits)
<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	<b>O</b> 2022 Update: Currently have no funding source to mitigate. We are awaiting possible grant funding from outside locations. 2023: Any new development requires underground utilities moving forward. Need additional budget for relocation of existing lines.

#### Action S-2.20

<b>Mitigation Action #20: Replace/purchase Generators for multiple village locations, including police, public works, fire departments, and senior services, and update or install generator connections to the buildings</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> HMGP, BRIC	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Widespread Power Outage
<b>Year Initiated</b>		2021			

<b>Applicable Jurisdiction</b>	Village of Schaumburg
<b>Applicable Goal</b>	3
<b>Applicable Objective</b>	1,2
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Reduce loss of power to critical infrastructure and Public Safety buildings Low—Long-term benefits of the project are difficult to quantify in the short term.
<b>Action/Implementation Plan and Project Description:</b>	Many of the current generators for Village owned buildings are outdated and in need of replacement. There are also many buildings that would benefit from a generator being installed including but not limited to the Senior Center Barn, Turret house, Trickster Gallery. Generator Connections to the buildings would give access in emergency incidents.
<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	<b>O</b> 2023: Generator project for water pumping stations partially approved for HMPG Grant.

#### Action S-2.22

Mitigation Action #22: Real Time Information Center Expansion					
<b>Lead Agency/Department Organization:</b> Police Department	<b>Supporting Agencies/ Organizations:</b> Emergency Management	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> SHSP, BRIC, HMGP	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2021			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			

<b>Applicable Goal</b>	2,3
<b>Applicable Objective</b>	1,2
<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)	Updated real time information status during emergency incidents Low—Long-term benefits of the project are difficult to quantify in the short term.
<b>Action/Implementation Plan and Project Description:</b>	The Real time information system is limited in its capacity to provide cameras and real time feedback of fire, police, and PW vehicles. There is currently no RTIC within the EOC which limits its usefulness in an emergency. We would like to add in additional cameras and install an RTIC workstation within the EOC for real time processing.
<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	<b>O</b> 2022 Update: The system has been expanding throughout 2022. Additional expansion is being sought after. This project will receive \$100,000 annually from the CIP Fund for future expansion. 2023: Police secured \$715K in total grant contributions for this project and are hoping to use all funds including an additional \$100K in village funds to complete construction by the end of the FY.

**Action S-2.23**

<b>Mitigation Action #23: Replace outdated computers, network system components, communications and all electronic systems within the EOC and remodel the EOC for more functionality</b>					
<b>Lead Agency/Department Organization:</b> Emergency Management	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2021			

<b>Applicable Jurisdiction</b>	Village of Schaumburg
<b>Applicable Goal</b>	3
<b>Applicable Objective</b>	1
<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)	Avoid obstacles with outdated technology during emergency incidents being managed by the EOC Low—Long-term benefits of the project are difficult to quantify in the short term.
<b>Action/Implementation Plan and Project Description:</b>	The EOC has outdated technology for all computer systems and networking systems. The EOC could use an update in all technology systems and remodeling to fit operational needs and functionality better during emergency incidents.
<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	<b>O</b> 2022 Update: Gap analysis was conducted by Facilities, IT, and Emergency Management. 2023: Need funding for the remodel plan. Looking into relocating room to new proposed Village Hall as an alternative to remodel.

#### Action S-2.24

Mitigation Action #24: Plan and build an alternative escape route at the barn that is ADA accessible					
<b>Lead Agency/Department Organization:</b> Fire Department	<b>Supporting Agencies/Organizations:</b> Nursing and Senior Services	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2021			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			

<b>Applicable Goal</b>	2
<b>Applicable Objective</b>	1,5
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
<b>Priority and Level of Importance (Low, Medium, High)</b>	High
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Loss of life due to fire hazard High—Project will provide an immediate reduction of risk exposure for life and property.
<b>Action/Implementation Plan and Project Description:</b>	The Senior Barn is an outdated building that only has a single entrance point that has ramp access for evacuation. Should that entrance be blocked by fire or inaccessible, there are no alternative escape routes for those with disabilities or mobility issues. The back entrance would benefit from a deck with ramp access for evacuation.
<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	<b>O</b> 2022 Update: We received information from EPW that drawings are being updated at the state's request to comply with historical building requirements. 2023: New deck area is going to be a place of refuge, however the ramp to create an exit was too expensive. Need additional funding for an escape route.

**Action S-2.25**

<b>Mitigation Action #25: Safe room installation or modification</b>					
<b>Lead Agency/Department Organization:</b> Fire Department	<b>Supporting Agencies/ Organizations:</b> Nursing and Senior Services	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> BRIC, HMGP	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Lightning, High Wind, Tornado
<b>Year Initiated</b>	2021				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	2				

<b>Applicable Objective</b>	1,2
<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 Priority
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	High
<b>Action/Implementation Plan and Project Description:</b>	The Senior Barn is an old structure without a stable interior room for people to shelter in place during a severe weather event. The barn could use a modification to include an interior safe room that could be used as a shelter during severe weather events.
<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 Deferred until funding opportunity is presented

**Action S-2.26**

<b>Mitigation Action #26: Update building codes</b>					
<b>Lead Agency/Department Organization:</b> Administration	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>	2022				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	2				
<b>Applicable Objective</b>	1,2				

<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
<b>Priority and Level of Importance (Low, Medium, High)</b>	High
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Reduce the potential losses to building and content due to floods, tornado winds, and other natural disasters Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
<b>Action/Implementation Plan and Project Description:</b>	The village wishes to update its existing building codes and flood and stormwater management regulations for new construction since they may not entirely reduce the potential losses to building and content due to floods, tornado winds, and other natural disasters as currently adopted.
<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 2022 Update: I am updating the code and investigating potential software for code update tracking and assessment. Awaiting grant approval for funding 2023: Still waiting on grant approval

**Action S-2.28**

<b>Mitigation Action #28: Meacham Rd Lateral and Fiber Installation</b>					
<b>Lead Agency/Department Organization:</b> Village IT	<b>Supporting Agencies/ Organizations:</b> IDOT	<b>Estimated Cost:</b> \$400,000	<b>Potential Funding Source:</b> 436 NS TIF	<b>Estimated Projected Completion Date:</b> 2024	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2022			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		1			
<b>Applicable Objective</b>		1			



<b>Cost Analysis (Low, Medium, High)</b>	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Fiber Installation will connect Fire Station 53 and Senior and Nursing services to fiber connectivity enhancing communications and ensuring communication access during emergency incidents for emergency response of apparatus. CAD is internet based. Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
<b>Action/Implementation Plan and Project Description:</b>	This project will leverage the IDOT fiber installation along Meacham Road from Algonquin Road to Higgins Road to establish a backbone of fiber to key areas of the village. Included in the project is the connection between the Meacham Road fiber and existing village fiber on Schaumburg Road. This will activate the village's Meacham Road fiber, provide a lateral connection to Fire Station 52 and the Senior and Nursing facility. It will also provide future opportunities for connectivity within the 90N District. Fire response is based on Internet connectivity to Computer aided dispatch. A reliable connection is important in emergency response to the community
<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 S-2.29**

<b>Mitigation Action #29: Water Station Building Improvements - Athena Reservoir Rehabilitation</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/Organizations:</b>	<b>Estimated Cost:</b> \$1,175,000	<b>Potential Funding Source:</b>	<b>Estimated Projected</b>	<b>Hazard(s) Mitigated:</b> All

			General Fund	<b>Completion Date:</b> 2025	
<b>Year Initiated</b>	2022				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	3				
<b>Applicable Objective</b>	1,2,9				
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.				
<b>Priority and Level of Importance (Low, Medium, High)</b>	High				
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Water storage during peak demands or emergency water incident Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.				
<b>Action/Implementation Plan and Project Description:</b>	This tank provides the necessary water storage during peak demands. The reservoir was constructed in 1967 and has not undergone a major rehabilitation since original construction. In 2015, Pittsburgh Tank and Tower Maintenance performed an inspection on the Athena Reservoir. Their report found that the reservoir had begun to deteriorate on the interior and exterior due to its age. In 2018, the tank was cleaned and inspected, revealing 600 lineal feet of cracking that required immediate grouting prior to putting the tank back into service. In 2019, the grouting was completed and the tank was put back into service. The repairs that were completed in 2019 have deferred the need for full reconstruction of the interior and exterior coating of the tank along with concrete repairs until FY 2024/25.				
<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 S-2.30**

<b>Mitigation Action #30: Water Station Building Improvements – Station 15 Roof Rebuild</b>					
<b>Lead Agency/Department Organization:</b> Village of Schaumburg EPW	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> \$283,000	<b>Potential Funding Source:</b> BRIC, HMGP	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2022			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		3			
<b>Applicable Objective</b>		2			
<b>Cost Analysis (Low, Medium, High)</b>		Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Low			
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)		Loss of operation to the well station affects possible water supply to residents Low—Long-term benefits of the project are difficult to quantify in the short term.			
<b>Action/Implementation Plan and Project Description:</b>		Remove and replace roof structure, along with integral hatch and door assembly, at Well Station #15.			
<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 S-2.31****Mitigation Action #31: CMP Storm Sewer Replacement / Rehabilitation -**

<b>Lead Agency/Department Organization:</b> Village of Schaumburg EPW	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> \$350,000	<b>Potential Funding Source:</b> HMGP, BRIC	<b>Estimated Projected Completion Date:</b> 2026	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2022			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		3			
<b>Applicable Objective</b>		2,9			
<b>Cost Analysis (Low, Medium, High)</b>		Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Medium			
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)		Sewer infrastructure failure Low—Long-term benefits of the project are difficult to quantify in the short term.			
<b>Action/Implementation Plan and Project Description:</b>		<p>CMP Storm Sewer Replacement / Rehabilitation - 595/591 Covese Lane An existing storm sewer outfall is located between 595 and 591 Covese Lane. While the GIS identifies this as an RCP pipe, field investigations confirmed that it is only partially RCP and the remainder is Corrugated Metal Pipe (CMP). CCTV investigations how the CMP to be in poor condition with deteriorating pipe and sediment buildup visible. Staff proposes to retain a consultant to perform a full condition assessment of the pipe segment. Staff will be looking for a recommendation from the consultant whether the 240 feet of pipe should be rehabilitated, replaced, or abandoned in place with a bypass sewer construction.</p> <p>CMP Storm Sewer Replacement / Rehabilitation - Crandon Lane An existing storm sewer outfall is located between 1801 and 1805 Crandon Lane. CCTV investigations how the CMP to be in poor condition with deteriorating pipe and pipe failures visible. Staff proposes to retain a consultant to perform a full condition assessment of the pipe segment. Staff will be looking for a recommendation from the consultant whether the 182</p>			

	feet of pipe should be rehabilitated or replaced. Staff will look to couple this with another CMP project due to the small scope at this location.
<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 S-2.32**

<b>Mitigation Action #32: Municipal Center Electrical Improvements</b>					
<b>Lead Agency/Department Organization:</b> Administration	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> \$691,000	<b>Potential Funding Source:</b> BRIC, HMGP	<b>Estimated Projected Completion Date:</b> 2026	<b>Hazard(s) Mitigated:</b> Widespread Power outage
<b>Year Initiated</b>	2022				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	3				
<b>Applicable Objective</b>	1,2				
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.				
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium				
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Loss of power to the Municipal center which is a community shelter site location during emergencies and the core operations of the village Low—Long-term benefits of the project are difficult to quantify in the short term.				
<b>Action/Implementation Plan and Project Description:</b>	The building has an aging electrical system and lacks sufficient backup power. This project will address existing code deficiencies, replacement of existing aging generator, and install a transfer switch on the outside of the building to				

	allow for the connection of a portable generator sized to accommodate the building and HVAC loads.
<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 S-2.33**

<b>Mitigation Action #33: Storm Sewer Analysis &amp; Rehab</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> \$2,455,865	<b>Potential Funding Source:</b> HMGP, BRIC	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> Flood
<b>Year Initiated</b>	2022				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	3				
<b>Applicable Objective</b>	2,9				
<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)	Storm Sewer back and flood mitigation Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.				
<b>Action/Implementation Plan and Project Description:</b>	This project will be used to analyze the village's aging storm and sanitary sewer systems and the rehabilitation of any sewers found in need of repair or				

	replacement. The focus will be on existing corrugated metal pipe (CMP) and asbestos cement pipe (ACP). Work may include the cleaning and televising of pipes to determine the condition or the rehabilitation of pipe. Rehabilitation of CMP pipe depends largely on the deterioration level and size of the pipe. If the pipe is too corroded, the pipe may need to be replaced. If only point failures exist, point repairs can be made and then the entire stretch can be lined. Parameters for each liner type may make one type preferable over another for a particular project.
<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 S-2.34**

<b>Mitigation Action #34: Public Safety Building Emergency Power Improvements</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/ Organizations:</b> Com-Ed	<b>Estimated Cost:</b> \$520,000	<b>Potential Funding Source:</b> BRIC, HMGP	<b>Estimated Projected Completion Date:</b> 2027	<b>Hazard(s) Mitigated:</b> Widespread Power Outage
<b>Year Initiated</b>	2022				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	3				
<b>Applicable Objective</b>	1,2				
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.				
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium				

<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Public Safety power supply/operational readiness Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
<b>Action/Implementation Plan and Project Description:</b>	The one existing generator at the Public Safety Building is nearing the end of its useful life based on manufacturer's recommendation. This project consists of replacing the generator and making other modifications to strengthen the integrity of the emergency power at the building. Final design will determine the exact scope but may include alternate generator hookups for larger portions of the building, rerouting panels to appropriate emergency power source, or working with ComEd to provide redundancy from their supply.
<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 S-2.35**

<b>Mitigation Action #35: Airport Snow Removal equipment building</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/ Organizations:</b> IDOT	<b>Estimated Cost:</b> \$1,400,000	<b>Potential Funding Source:</b> General Fund, IDOT reimbursement/IDOT pass through funding	<b>Estimated Projected Completion Date:</b> 2028	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2022			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		4			
<b>Applicable Objective</b>		1,8			
<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>	Low
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Ensure Emergency airport traffic flow and operational readiness Low—Long-term benefits of the project are difficult to quantify in the short term.
<b>Action/Implementation Plan and Project Description:</b>	A facility will be constructed to store snow removal equipment used for the Schaumburg Regional Airport. It is imperative that the airport equipment remain onsite and operational to clear runways and airport traffic for emergency vehicles, incoming emergency helicopters and evacuation aircraft.
<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 S-2.36**

<b>Mitigation Action #36: Walden Subdivision Water and Sanitary Sewer Update</b>					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> High	<b>Potential Funding Source:</b> BRIC, HMGP, FMA	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>	2023				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	3,5				
<b>Applicable Objective</b>	3,7,9				
<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)	Prevent lengthy Service outage for water and sewer High—Project will provide an immediate reduction of risk exposure for life and property.
<b>Action/Implementation Plan and Project Description:</b>	This project would evaluate the current water and sewer infrastructure in the area and consider public utilities would be preferred. Since there are a number of breaks in this development, private owners experience lengthy downtime affecting their services.
<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 S-2.37**

<b>Mitigation Action #37: EPW Forestry Yard Improvements/Expansion</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> Long-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>	2023				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	1				
<b>Applicable Objective</b>	1				
<b>Cost Analysis (Low, Medium, High)</b>	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.				
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium				
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Storage of additional emergency supplies for public safety Low—Long-term benefits of the project are difficult to quantify in the short term.				

<b>Action/Implementation Plan and Project Description:</b>	This project will install new storage bins that would provide storage for public materials including emergency salt.
<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 S-2.38**

<b>Mitigation Action #38: Prairie Center Fire Alarm Panel and Device Replacement</b>					
<b>Lead Agency/Department Organization:</b> 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> Lightning
<b>Year Initiated</b>	2023				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	1				
<b>Applicable Objective</b>	1,2				
<b>Cost Analysis (Low, Medium, High)</b>	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.				
<b>Priority and Level of Importance (Low, Medium, High)</b>	Low				
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Fire Safety and Identification of risk Low—Long-term benefits of the project are difficult to quantify in the short term.				
<b>Action/Implementation Plan and Project Description:</b>	This project would replace 35-year-old equipment that staff has made modifications and minor fixes to keep operable.				
<b>Actual Completion Date or Ongoing Indefinite</b>					
<b>Project Status &amp; Changes in Priority</b>	O				

<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	
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**Action S-2.39**

<b>Mitigation Action #39: Vehicle Maintenance Facility roof replacement</b>					
<b>Lead Agency/Department Organization:</b> Administration	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>	2023				
<b>Applicable Jurisdiction</b>	Village of Schaumburg				
<b>Applicable Goal</b>	3				
<b>Applicable Objective</b>	1				
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.				
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium				
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)	Protect Infrastructure for emergency vehicles Low—Long-term benefits of the project are difficult to quantify in the short term.				
<b>Action/Implementation Plan and Project Description:</b>	This project would replace the roof of the village's vehicle maintenance facility. The current condition warrants a full tear-off. With this facility supporting village-owned vehicles including those required in an emergency, it is being listed.				
<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;	O				

**O** = Ongoing Indefinitely; **C** = Project Completed;  
**R** = Want Removed from Annex; **X** = No Action  
 Taken/Delayed

#### Action S-2.40

Mitigation Action #40: Baseball Stadium Generator and ATS switch replacement					
<b>Lead Agency/Department Organization:</b> Administration	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> BRIC, HMGP	<b>Estimated Projected Completion Date:</b> Short-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2023			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		3,5			
<b>Applicable Objective</b>		1,2			
<b>Cost Analysis (Low, Medium, High)</b>		Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Medium			
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)		Ensure power during emergency incident for a potential shelter or mass gathering location Low—Long-term benefits of the project are difficult to quantify in the short term.			
<b>Action/Implementation Plan and Project Description:</b>		This project replaces the current diesel-fired generator at the Baseball Stadium which supplies emergency power.			
<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 S-2.41

Mitigation Action #41: Underground Storage Tank Replacement					
<b>Lead Agency/Department Organization:</b> Public Works	<b>Supporting Agencies/ Organizations:</b>	<b>Estimated Cost:</b> Medium	<b>Potential Funding Source:</b> General Fund	<b>Estimated Projected Completion Date:</b> Long-term	<b>Hazard(s) Mitigated:</b> All
<b>Year Initiated</b>		2023			
<b>Applicable Jurisdiction</b>		Village of Schaumburg			
<b>Applicable Goal</b>		3			
<b>Applicable Objective</b>		1,2			
<b>Cost Analysis (Low, Medium, High)</b>		Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.			
<b>Priority and Level of Importance (Low, Medium, High)</b>		Medium			
<b>Benefits of the Mitigation Project</b> (Loss Avoided or Issue Being Mitigated)		Protect the fuel storage for emergency vehicles Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.			
<b>Action/Implementation Plan and Project Description:</b>		This project would replace underground storage tanks used to fuel village vehicles.			
<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			

## Completed Actions

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

Completed Action Items
Approve Emergency Action Plan Agreement with Metropolitan Water Reclamation District.
Replace old CMO arch culvert with concrete box culverts on the West Branch of the DuPage River.
Complete study to provide compensatory storage along the West branch of the DuPage River.
Update Village of Schaumburg Emergency Operations Plan.
Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.
Construct a safe 5/5 project to address flooding issues and rehabilitate storm sewers near Braintree and Weathersfield
Water Station Electrical Improvements- Pump and Motor Replacement/Automatic Transfer Switches

### Future Needs to Better Understand Risk/Vulnerability

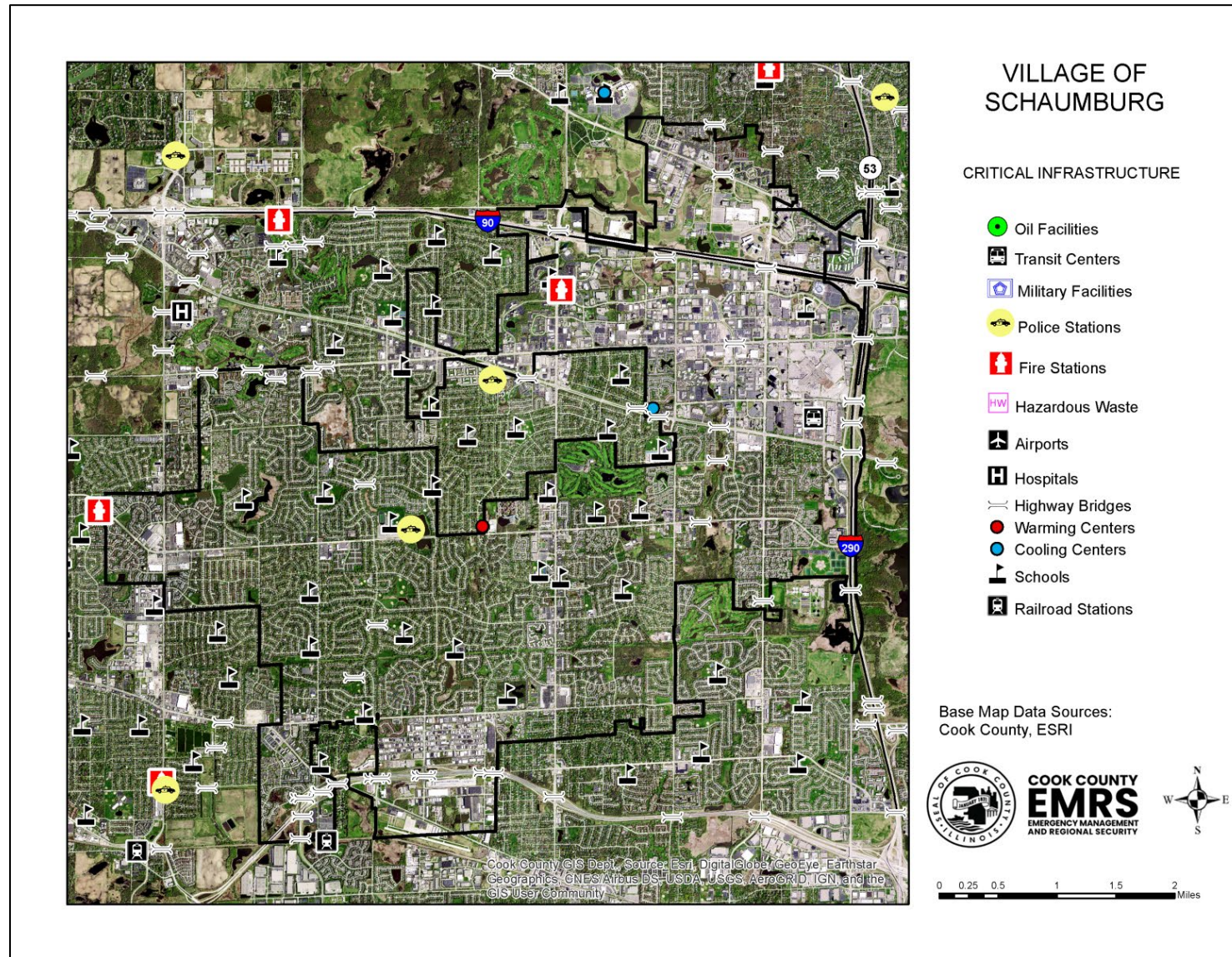
No needs have been identified at this time.

### Additional Comments

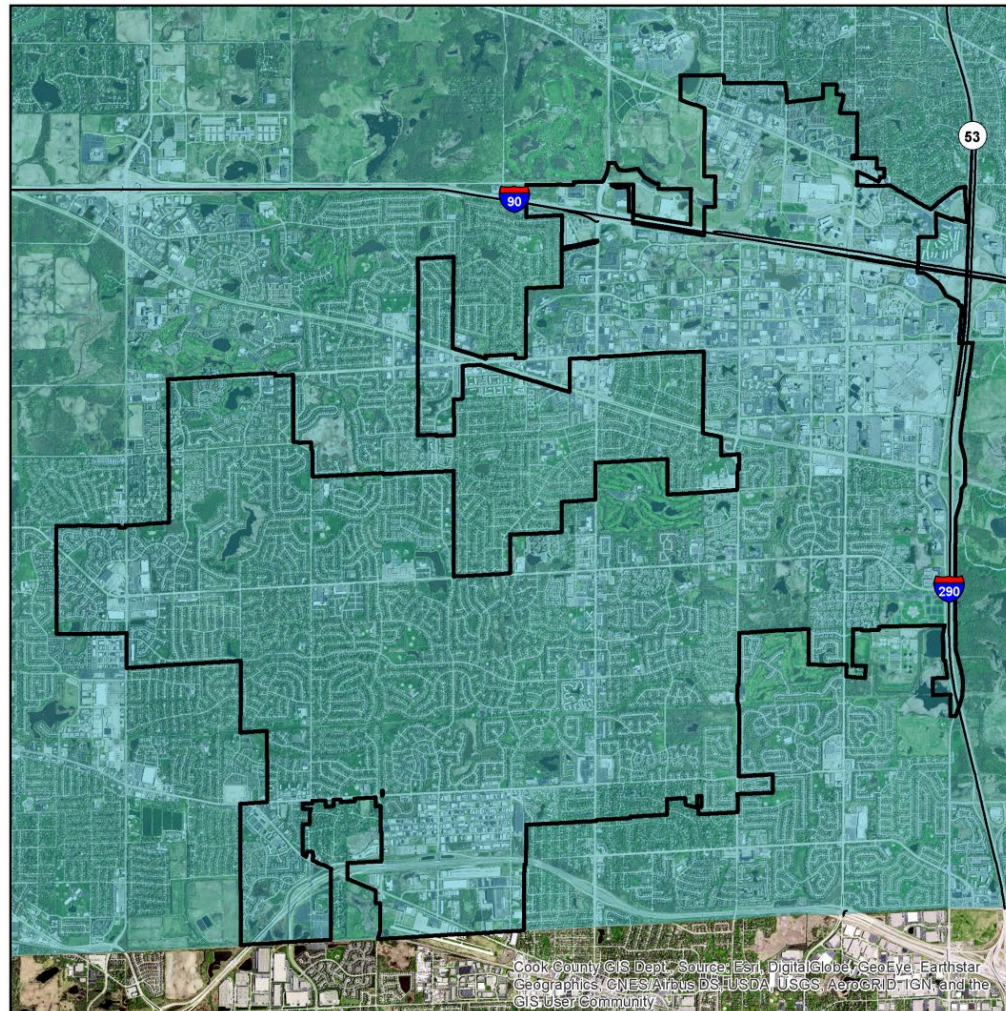
No additional comments at this time.



## Hazard Mapping







## VILLAGE OF SCHAUMBURG

### 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 780 m/s in the top 30 meters corresponding to the boundary between NEHRP (National Earthquake Hazards Reduction Program) site classes B and C.

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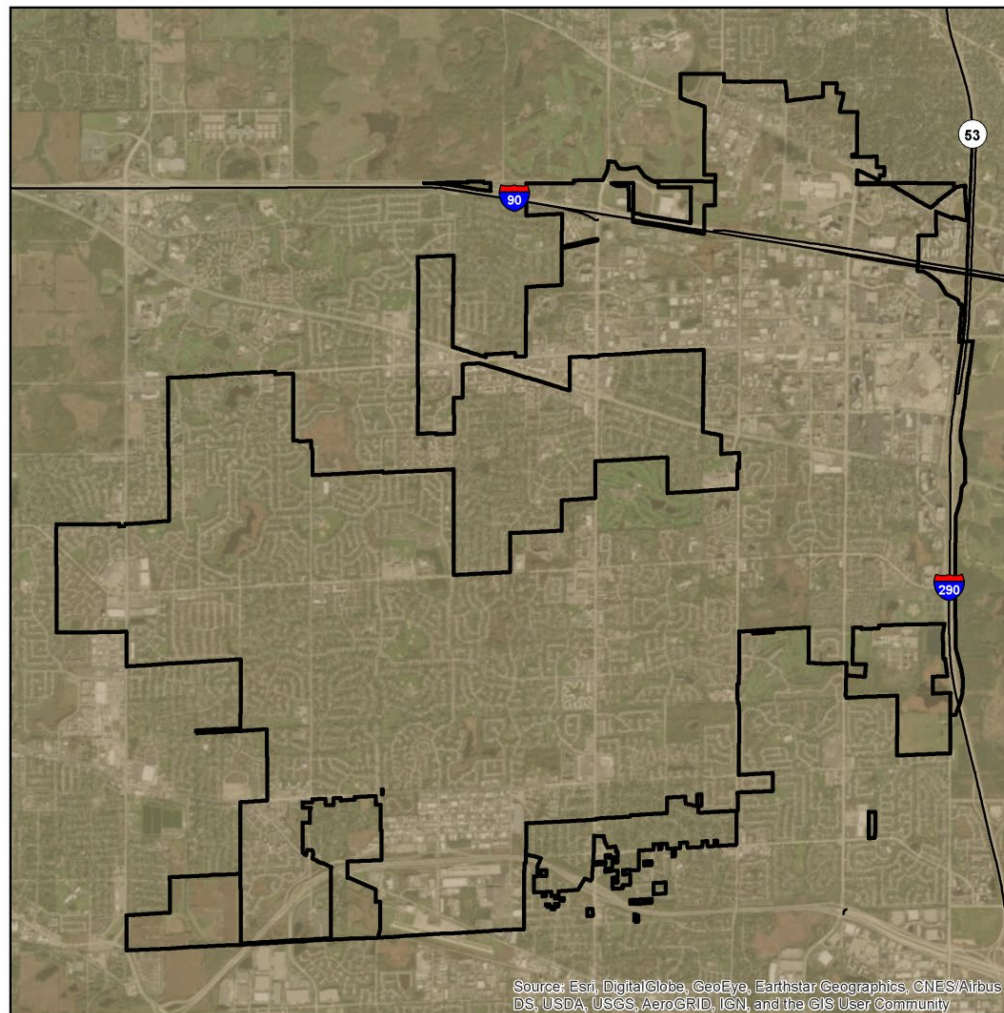
**COOK COUNTY**  
**EMRS**  
EMERGENCY MANAGEMENT  
AND REGIONAL SECURITY



0 0.25 0.5 1 1.5 2 Miles

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





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

## VILLAGE OF SCHAUMBURG

### NATIONAL EARTHQUAKE HAZARD REDUCTION PROGRAM (NEHRP) SOIL CLASSIFICATION

#### TYPE

- C - Very Dense Soil, Soft Rock
- D - Stiff Soil
- F - Site Specific Evaluation

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.

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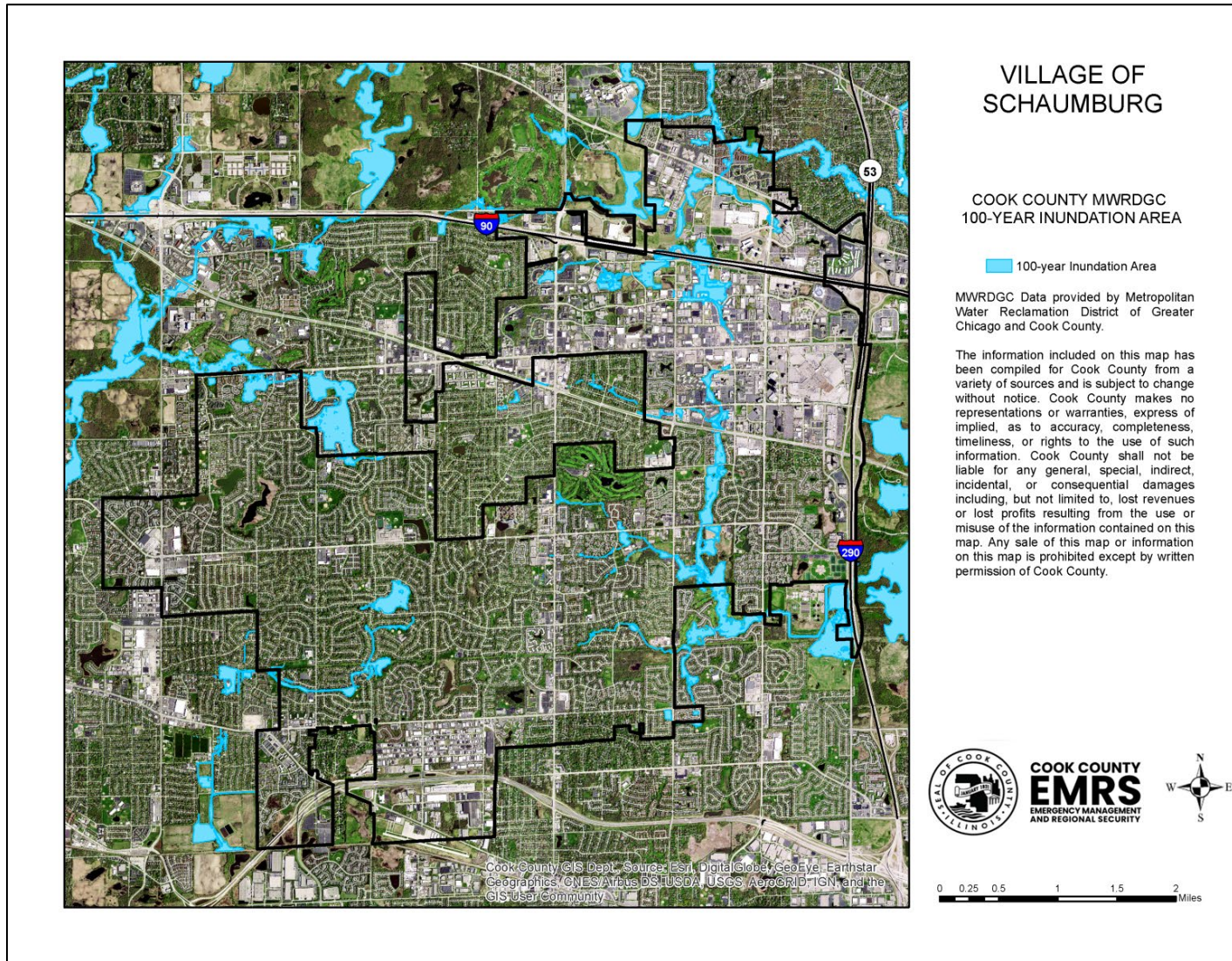


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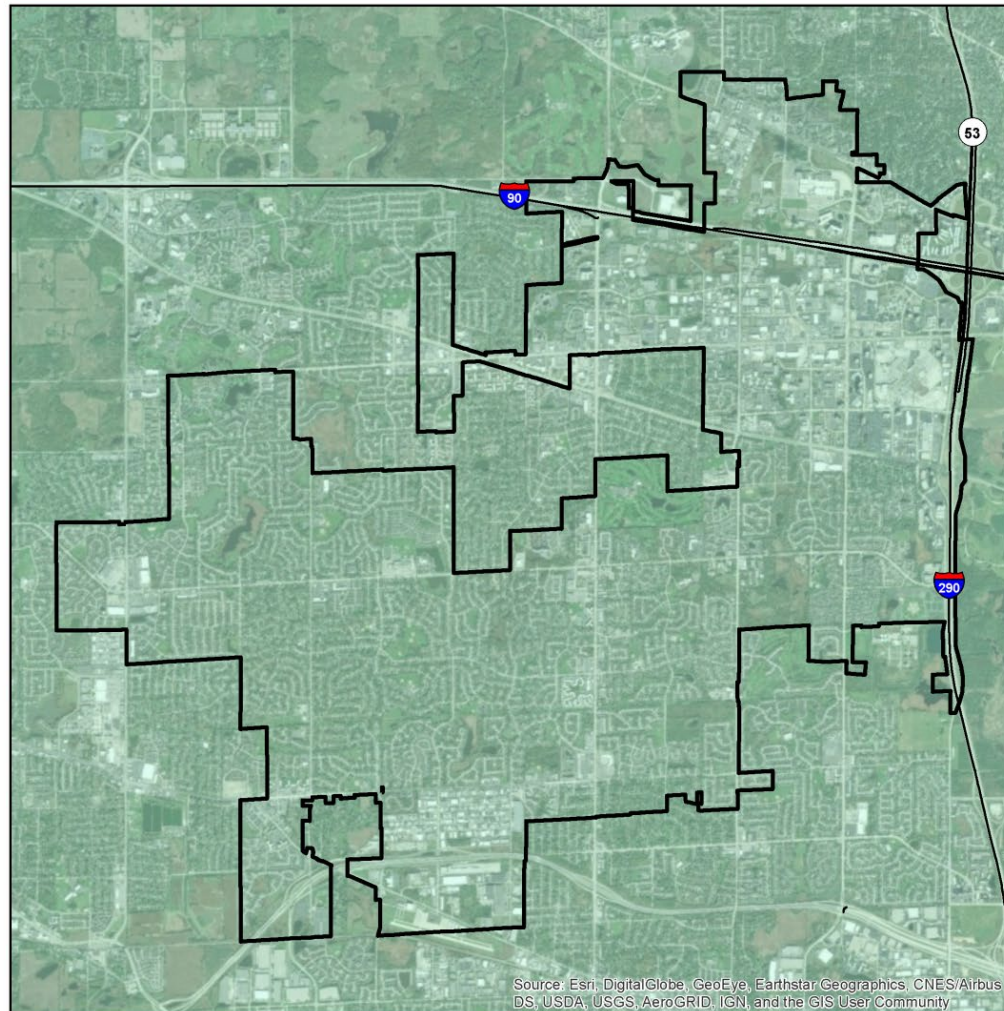




DISCLAIMER: The Cook County MWRDGC 100-year Inundation Map is provided to show general flood risk information regarding floodplains and inundation areas. This map is not regulatory. Official FEMA Flood Insurance Study information and regulatory maps can be obtained from <http://www.fema.gov>.







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

## VILLAGE OF SCHAUMBURG

### 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-2789 Map of Surficial Deposits and Materials in the Eastern and Central United States (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.

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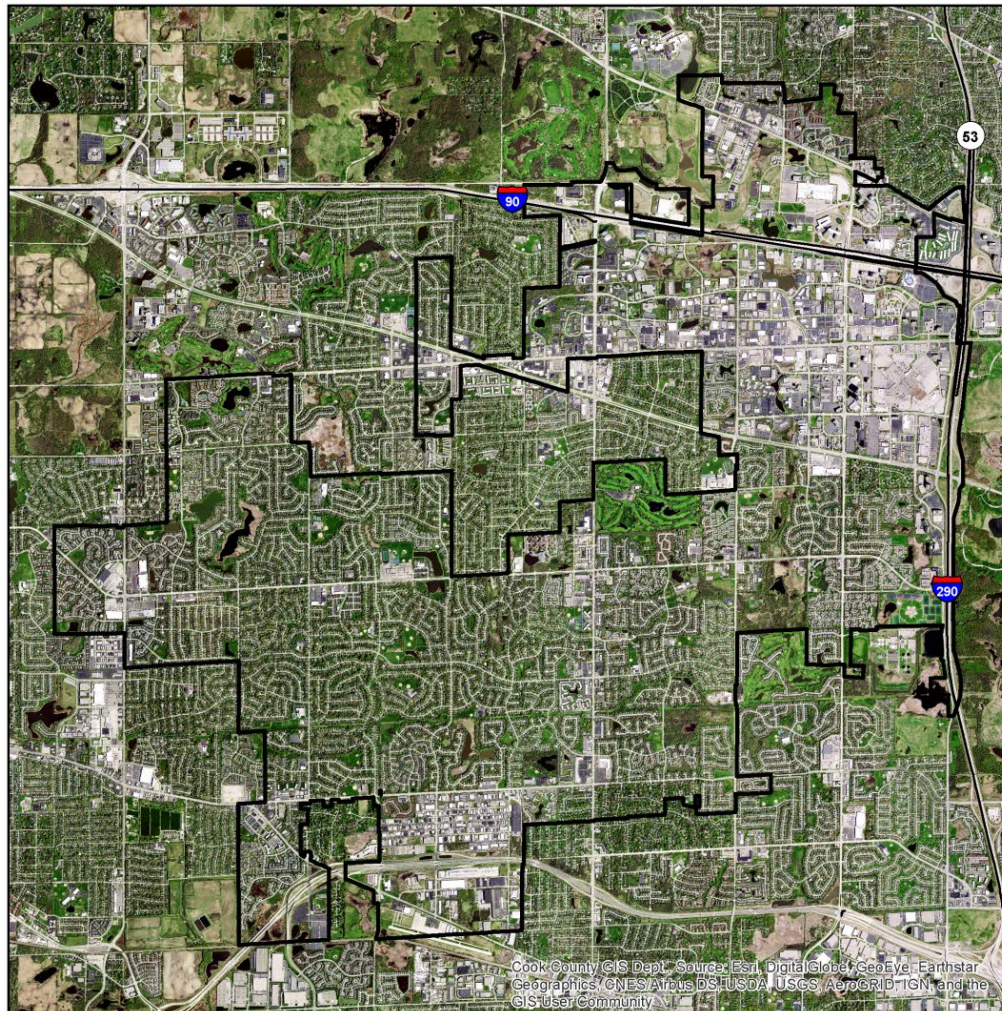


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## VILLAGE OF SCHAUMBURG

100- AND 500- YEAR  
TORNADO EVENTS

### Magnitude

- 4 (100 year event)
- 5 (500 year event)

Historic tornado data provided by NOAA/NWS showing the initial points and paths of all F4 and F5 events observed from 1950 to 2017.



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