

**COOK COUNTY
MULTI-JURISDICTIONAL
HAZARD MITIGATION PLAN
VOLUME 2 - Municipal Annexes**

Schiller Park Annex

FINAL

July 2019

Prepared for:



Cook County
Department of Homeland Security and Emergency Management
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Hazard Mitigation Point of Contact

Primary Point of Contact	Alternate Point of Contact
Peter Chiodo, Fire Chief 9526 Irving Park Rd Schiller Park, IL 60176 847-671-8545 PChiodo@schillerparkil.us	Jim Goumas, Village Engineer Hancock Engineering 9933 Roosevelt Rd Westchester, IL 60154 708-865-0300

Jurisdiction Profile

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

- **Date of Incorporation:** 1914
- **Current Population:** 11,515 as of the 2018 US Census population estimate.
- **Population Growth:** Currently, there is no population growth. At the 2000 census, the population was 11,850 and decreased 0.48% to 11,793 by the 2010 census. The population estimates continue to show a relatively stable population with a slight decrease of less than 1 percent from 2010 to 2018.
- **Location and Description:** The Village of Schiller Park is located in Leyden Township, Cook County, Illinois, approximately 18 miles northwest of the Chicago Loop. It is east of O'Hare International Airport; south of the Village of Rosemont; west of Des Plaines River, and north of the Village of Franklin Park. A large portion of the Village is within a floodway; as Crystal Creek runs northeast to southwest through the Village. Crystal Creek is tributary to Des Plaines River, where the upstream of the creek originates from the O'Hare property and flows easterly/northeasterly to Des Plaines River. Schiller Park has a total area of 2.77 square miles.
- **Brief History:** The brief history portion of this profile credits the Village of Schiller Parks Historical Commission's timeline. Thanks to their efforts, the following historical summary was able to be provided: Three Indian Tribes lived in the area in the early 1800s. Alexander Robinson, Chief of the Potawatomi Tribe, rescued military personnel in 1810, during the Battle of Fort Dearborn. Later Robinson was deeded 1,280 acres of land on both sides of the River for his heroic efforts. That land makes up most of Schiller Park today. After Robinson's family moved to the area, he sold 105 acres of land in 1840. As we know it today, Irving Park Road and River Road was sold to John S. Everett; and Fairview was sold to Ashley Gilbert. In 1850, mostly German farmers migrated into the area. After the 1860 Civil War and after Robinson's death in 1870, the community began to grow again. In 1872, immigrants of mostly Italian, Polish and Spanish moved into the area. In 1880, William Kolze and his family purchased Everett's land, and built a large white house, which later became a local landmark. In 1886, the Wisconsin-Central Railroad began its first train run. In 1910, during the movie era, Tom Mix, Farnums, were made in town and along the Des Plaines River. The Village then incorporated in 1914. During the Depression in 1932, Julia Marenga Kolze, daughter-in-law of Willam Kolze, became the first woman mayor in the State of Illinois. In 1970, three public schools, two Catholic schools. In 1990, Schiller Park was established as a Home Rule Community.
- **Climate:** The climate of Schiller Park and the Chicago area is classified as humid continental, with all four seasons distinctly represented: wet springs; hot and humid summers; pleasant autumns; and cold winters. Annual precipitation is average, and reaches its lowest points in the months of January and February, and peaks in the months of May and June. Winter proves quite variable. Seasonal snowfall in the Village has ranged from 9 – 90 inches. The daily average temperature in January at Midway Airport is 24.8 °F (–4.0 °C), and temperatures often stay below freezing for several consecutive days or even weeks in January and February. Temperatures drop to or below 0 °F (–18 °C) on 5.5 nights annually at Midway and 8.2 nights at O'Hare. Spring in the Chicago area is perhaps the areas wettest and unpredictable season.

Winter like conditions can persist well into April and even occasionally into May. Thunderstorms are especially prevalent in the spring time as the areas lakeside location makes it a center of conflicts between large volumes of warmer and colder air, triggering many kinds of severe weather. Temperatures vary tremendously in the springtime; March is the month with the greatest span between the record highs and lows. On a typical summer day, humidity is usually moderately high and temperatures ordinarily reach anywhere between 78 and 92 °F (26 and 33 °C). The extreme heat that the Chicago area is capable of experiencing during the height of the summer season can persist into the autumn season. Temperatures have reached 100 degrees high and subzero lows below -18 °C. Fall can bring heavy thunderstorms, many of which are capable of producing flooding. The average first accumulating snow occurs around Nov 19.

- **Governing Body Format:** The Village of Schiller Park is governed by an elected seven member Village Board consisting of a six Trustees, a Village President (Mayor), and an elected Village Clerk. This body of Government will assume the responsibility for the adoption and implementation of this plan. The Trustees serve staggered 4 year terms with 3 seats being elected every 2 years. The Mayor serves as the Chief Executive Officer and Chair of the Village Board meetings. There are six Village Departments: Administration, Fire, Police, Public Works, Community Development, and Recreation. Village Boards and Commissions include: Fire & Police Commission, Recreation Board, Health Board; Zoning, Planning, and Appeals Commission; and Historical Commission.
- **Development Trends:** The Village currently consists of a well balanced mix of residential, commercial, and industrial uses and is heavily connected to transportation hubs as it includes O’Hare Airport, I-294, and a major railroad line within Village limits. The Village is largely built-out and landlocked by O’Hare Airport, Cook County Forest Preserve, Village of Franklin Park, Village of Rosemont, and City of Chicago. Future development will be limited primarily to redevelopment of existing sites a process which has been ongoing for many years. Schiller park has had some new developments in the past 5 years with new Industrial Buildings at the old Hostess site. Additionally, an Innovative & Affordable Shared Kitchen at 9416 W Irving Park Road. MyKitchens LLC offers a fully equipped commercial kitchen space that can be rented out by the hour in order to help you fulfill your culinary dream. Clients of MyKitchens serve cafes, restaurants, food trucks, supply markets, and wholesalers. MyKitchens offers a full complement of uses from menu planning to taste testing, product development and brand development.

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
Codes, Ordinances & Requirements					
Building Code	Yes	No	No	Yes	Municipal Code 150; adopted 2006
Zonings	Yes	No	No	Yes	Municipal Code 155; adopted: 2005
Subdivisions	Yes	No	No	No	Municipal Code 153; adopted 2002
Stormwater Management	Yes	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA. Municipal Code 151; adopted: 2005
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	N/A
Site Plan Review	Yes	No	No	No	Municipal Code 34; adopted: 2010
Public Health and Safety	Yes	No	Yes	Yes	Cook County Board of Health. Community Development, Building and Safety Division,

					abiding http://www.idph.state.il.us/
Environmental Protection	No	No	No	No	
Planning Documents					
General or Comprehensive Plan	Yes	No	No	No	Interim Comprehensive Plan (1997)
<i>Is the plan equipped to provide linkage to this mitigation plan?</i>					Unknown
Floodplain or Basin Plan	No	No	No	No	
Stormwater Plan	Yes	No	Yes	No	Regional stormwater impacts are managed by MWRD. The Village lies within The Lower Des Plaines River watershed planning area of MWRD's comprehensive Stormwater Master Planning Program
Capital Improvement Plan	Yes	No	No	No	
<i>What types of capital facilities does the plan address?</i>					Village owned facilities and infrastructure
<i>How often is the plan revised/updated?</i>					6-year CIP, reviewed and updated annually
Habitat Conservation Plan	No	No	Yes	No	Illinois FWS and IDNR
Economic Development Plan	No	No	Yes	Yes	The Economic Development Commission is charged with reviewing all economic development related programs and incentives including tax incentives offered through the Cook County 6b program.
Shoreline Management Plan	No	No	No	No	
Response/Recovery Planning					

Comprehensive Emergency Management Plan	No	No	Yes	Yes	Cook County DHSEM
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County DHSEM Preparing THIRA
Terrorism Plan	No	No	Yes	Yes	Cook County DHSEM
Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	No	No	Yes	No	Cook County DHSEM
Public Health Plans	No	No	Yes	No	Cook County DPH

TABLE: FISCAL CAPABILITY	
Financial Resources	Accessible or Eligible to Use?
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

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Community Development
Engineers or professionals trained in building or infrastructure construction practices	Yes	Community Development/ Consulting Engineering
Planners or engineers with an understanding of natural hazards	No	
Staff with training in benefit/cost analysis	No	
Surveyors	Yes	Consulting Survey/Engineering
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Cook County DHSEM
Grant writers	Yes	Various Village Departments

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Engineering and Community Development
Who is your jurisdiction’s floodplain administrator? (department/position)	Community Development Director
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	1994
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)	No, Waiting for a Village Wide letter of map revision to be filed, and is pending on completion of the IDNR Crystal Creek IIA and IIB construction and its as-built plans.
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?	Yes, just overall, due to new administration and new staff.

<p>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?</p>	<p>No, but we are interested in joining. Which we may need guidance in doing so.</p>
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<p>TABLE: COMMUNITY CLASSIFICATIONS</p>			
	<p>Participating?</p>	<p>Classification</p>	<p>Date Classified</p>
<p>Community Rating System</p>	<p>No</p>	<p>N/A</p>	<p>N/A</p>
<p>Building Code Effectiveness Grading Schedule</p>	<p>No</p>	<p>N/A</p>	<p>N/A</p>
<p>Public Protection/ISO</p>	<p>Yes</p>	<p>ISO-4</p>	<p>(Fire, 2009)</p>
<p>StormReady</p>	<p>Yes</p>	<p>Gold (countywide)</p>	<p>2014</p>
<p>Tree City USA</p>	<p>No</p>	<p>N/A</p>	<p>N/A</p>

Jurisdiction-Specific Natural Hazard Event

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: 24
- Number of FEMA-Identified Severe Repetitive Loss Properties: 3
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment
Flooding	-	5/21/2018	-
Flash Flooding	-	6/15/2015	-
Flash Flooding	-	6/13/2015	-
Severe Storm with Excessive Snow	-	Winter 2013 - 2014	-
Flooding	DR-4116	Spring 2013	-
Severe Storm with Excessive Snow	DR-1960	Winter 2011	-
Flooding	DR-1935	Summer 2010	-
Flooding	DR-1800	Summer 2008	-
Flooding	DR-1729	Summer 2007	-
Flooding	DR-1188	Summer 1997	-
Flooding	DR-1129	Summer 1996	-
Flooding	DR-997	Spring 1993	-

Jurisdiction-Specific Hazards and Impacts

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2019 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

Flood: The Village has experienced flooding at River Road (Addison Rd to Foster Ave), Irving Park and Lawrence Ave viaduct flooding and flooding at Irving Park (25th to I-294). In 2009, Elmhurst Road between Dempster and West Oakton was closed due to urban/flash flooding. Mannheim Road between Interstate 190 and Irving Park Road was closed due to urban/flash flooding.

High Winds and Tornado: Trees and power lines have been impacted by past wind events and remain a concern.

Severe Weather: Thunderstorms are the primary cause of flooding and wind damage in the area.

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	Risk Rating Score (Probability x Impact)
1	Flooding	54
2	Severe Winter Weather	54
3	Severe Weather	54
4	Tornado	36
5	Earthquake	32
6	Dam Failure	20
7	Drought	2

Mitigation Strategies and Actions

The heart of the mitigation plan is the mitigation strategy, which serves as the long-term blueprint for reducing the potential losses identified in the risk assessment. The mitigation strategy describes how the community will accomplish the overall purpose, or mission, of the planning process. In this section, mitigation actions/projects were updated/amended, identified, evaluated, and prioritized. This section is organized as follows:

- New Mitigation Actions - New actions identified during this 2019 update process
- Ongoing Mitigation Actions - Ongoing actions with no definitive end or that are still in progress. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.
- Completed Mitigation Actions - An archive of all identified and completed projects, including completed actions since 2014.

The *Hazard Mitigation Action Plan Matrix Table* below lists the actions that make up the jurisdiction’s hazard mitigation plan. The *Mitigation Strategy Priority Schedule Table* identifies the priority for each action.

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX						
Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action S3.1 —Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.						
Ongoing	All	7, 13	Village of Schiller Park	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action S3.2 —Continue to support the countywide actions identified in this plan.						
Ongoing	All	All	Village of Schiller Park	Low	General Fund	Short-and long-term
Action S3.3 —Actively participate in the plan maintenance strategy identified in this plan.						
Ongoing	All	3, 4, 6	DHSEM, Village of Schiller Park	Low	General Fund	Short-term
Action S3.4 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.						

Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Engineering and Community Development	Low	General Fund	Long-term
Action S3.5 —Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.						
Ongoing	Flooding	4, 6, 9	Community Development, Engineering Department	Low	General Fund	Short-term and ongoing
Action S3.6 —Where feasible, implement a program to record high water marks following high-water events.						
Completed	Flooding, Severe Weather	3, 6, 9	Community Development, Public Works, Engineering Department	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Completed
Action S3.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.						
Ongoing	All	3, 4, 6, 10, 13	Community Development	Low	General Fund	Short-term
Action S3.8 —Work with Building Department to improve Building Code Effectiveness Grading Schedule classification.						
Ongoing	Earthquake, Severe Weather, Tornado	1, 2, 3, 4	Community Development, Building Department	Low	General Fund	Short-term
Action S3.9 —Push for rain barrels to be installed for water harvesting and to maintain downspouts to be disconnected from the municipal storm system; and re-promote backflow preventers to be installed by residents who do not have them installed yet.						
Ongoing	Flooding, Severe Weather	1, 2, 8, 13	Community Development, Public Works, Engineering Department	\$200,000; High	Grants, General revenue	Long-term
Action S3.10 —Initiate a GIS interface, where all existing infrastructure, contours, damages, etc. will be identified.						
Completed	All	1, 2, 3, 5, 6, 9, 12	All Departments	\$100,000; Low	General Funds,	Completed

					Operation and Maintenance	
Action S3.11 —Working with CP/CN flooding at Lawrence viaduct						
New	Flood	2, 7	CN CP railroad	\$300,000; High	State and Railroad	2021
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.						

TABLE: MITIGATION STRATEGY PRIORITY SCHEDULE							
Action Number	Number of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Priority (a)
1	2	High	High	Yes	Yes	No	Medium
2	13	Medium	Low	Yes	No	Yes	High
3	3	Medium	Low	Yes	Yes	Yes	High
4	9	Medium	Low	Yes	No	Yes	Medium
5	3	Medium	Low	Yes	No	Yes	High
6	3	Medium	Medium	Yes	Yes	No	Medium
7	5	Medium	Low	Yes	No	Yes	High
8	3	Medium	Low	Yes	No	Yes	High
9	4	High	High	Yes	Yes	No	Medium
10	4	Medium	Low	Yes	No	Yes	High
11	High	High	High	Yes	Unknown	Unknown	High
(a) See Chapter 1 for explanation of priorities.							

New Mitigation Actions

The following are new mitigation actions created during the 2019 update.

Action S-3.11

Mitigation Action	Working with CP/CN flooding at Lawrence viaduct
Year Initiated	2019
Applicable Jurisdiction	Schiller Park
Lead Agency/Organization	CN CP railroad
Supporting Agencies/Organizations	Schiller Park
Applicable Goal	<ul style="list-style-type: none"> Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.
Applicable Objective	<ul style="list-style-type: none"> Increase the resilience of (or protect and maintain) infrastructure and critical facilities. Retrofit, purchase, or relocate structures in high hazard areas, including those known to be repetitively damaged.
Potential Funding Source	State and Railroad
Estimated Cost	\$300,000
Benefits (loss avoided)	Keep traffic moving, stop business interruptions and reduce flooding
Projected Completion Date	2021
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	High—Project will provide an immediate reduction of risk exposure for life and property.
Cost Analysis (Low, Medium, High)	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).
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	Working with the railroads and state of Illinois try to determine the sump pumps capacity. Replace the pumps, clean out pits, possibly replace piping

Mitigation Action and Project Maintenance		
Year	Status	Comments

2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Ongoing Mitigation Actions

The following are ongoing actions with no definitive end or that are still in progress. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.

Action S-3.1

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.1	Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.	
Status Description: No	No action taken at this time. looking for funds to help with projects	X
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action S-3.2

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.2	Continue to support the countywide actions identified in this plan	
Status Description: Yes		O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action S-3.3

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.3	Actively participate in the plan maintenance strategy identified in this plan.	
Status Description: Yes	The crystal creek improvement is one of the projects that has been completed and awaiting final FEMA flood plan map revision approval.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action S-3.4

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.4	Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.	
Status Description: No	Looking for information on exactly what this consists of and the benefits of it so Village board can make a decision on how to move forward on this	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action S-3.5

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.5	Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.	
Status Description: Yes	Working close with Community development and village engineers to provide a comprehensive polices regarding Floodplain management	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S-3.7

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.7	Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.	
Status Description: No		X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S-3.8

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.8	Work with Building Department to improve Building Code Effectiveness Grading Schedule classification.	
Status Description: Yes	We are in discussion this year with our Zoning Department, Building Department and Fire Department to adopt the newest additions of the international building and fire codes	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action S-3.9

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.9	Push for rain barrels to be installed for water harvesting and to maintain downspouts to be disconnected from the municipal storm system; and re-promote backflow preventers to be installed by residents who do not have them installed yet.	
Status Description: No		X
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Completed Mitigation Actions

The following section represents completed mitigation actions, and serves as an archive of identified and completed projects.

Action S-3.6

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.1	Where feasible, implement a program to record high water marks following high-water events.	
Status Description: Yes	In conjunction with the FAA a high water monitor was installed in our creek system	C
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action S-3.10

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# S-3.10	Initiate a GIS interface, where all existing infrastructure, contours, damages, etc. will be identified	
Status Description: No	This has been completed and continually updated.	C
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Future Needs to Better Understand Risk/Vulnerability

No needs have been identified at this time.

Additional Comments

No additional comments at this time

HAZUS-MH Risk Assessment Results

SCHILLER PARK EXISTING CONDITIONS	
2010 Population	11,793
Total Assessed Value of Structures and Contents	\$2,849,952,684
Area in 100-Year Floodplain	314.95 acres
Area in 500-Year Floodplain	421.62 acres
Number of Critical Facilities	55

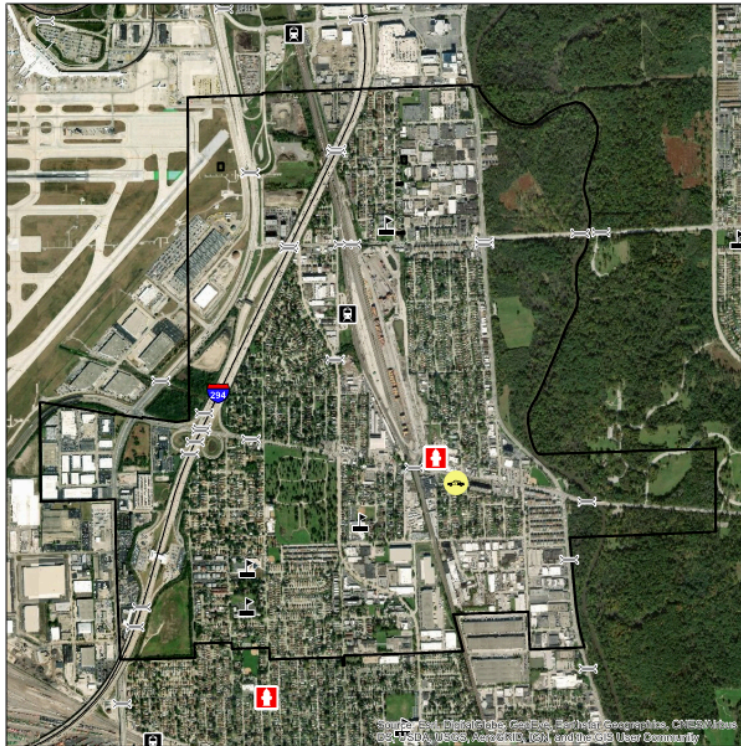
HAZARD EXPOSURE IN SCHILLER PARK						
	Number Exposed		Value Exposed to Hazard		Total	% of Total Assessed Value Exposed
	Population	Buildings	Structure	Contents		
Dam Failure						
Buffalo Creek	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	0	0	\$0	\$0	\$0	0.00%
Touhy	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #3	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	0	0	\$0	\$0	\$0	0.00%
Flood						
100-Year	936	288	\$109,879,406	\$76,654,836	\$186,534,243	6.55%

500-Year	1,180	363	\$244,132,385	\$181,523,205	\$425,655,590	14.94%
Tornado						
100-Year	—	—	\$383,245,030	\$310,136,367	\$693,381,397	24.33%
500-Year	—	—	\$591,143,146	\$503,691,097	\$1,094,834,243	38.42%

ESTIMATED PROPERTY DAMAGE VALUES IN SCHILLER PARK				
	Estimated Damage Associated with Hazard			% of Total Assessed Value Damaged
	Building	Contents	Total	
Dam Failure				
Buffalo Creek	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	\$0	\$0	\$0	0.00%
Touhy	\$0	\$0	\$0	0.00%
U. Salt Cr. #3	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	\$0	\$0	\$0	0.00%
Earthquake				
1909 Historical Event	\$12,099,386	\$3,356,400	\$15,455,786	0.54%
Flood				
10-Year	\$3,726,830	\$2,162,441	\$5,889,271	0.21%
100-Year	\$19,581,305	\$13,872,931	\$33,454,236	1.17%
500-Year	\$33,987,689	\$29,971,345	\$63,959,034	2.24%

Tornado				
100-Year	\$38,324,503	\$31,013,637	\$69,338,140	2.43%
500-Year	\$86,306,899	\$73,538,900	\$159,845,799	5.61%

Hazard Mapping

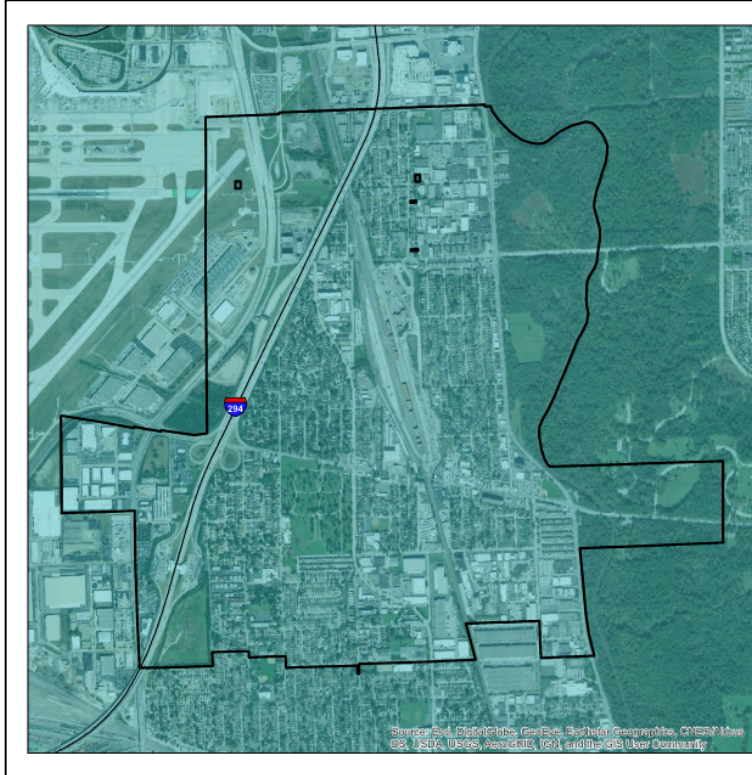
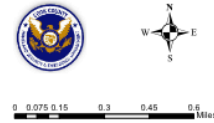


VILLAGE OF SCHILLER PARK

CRITICAL INFRASTRUCTURE

- Oil Facilities
- Transit Centers
- Military Facilities
- Police Stations
- Fire Stations
- Hazardous Waste
- Airports
- Hospitals
- Highway Bridges
- Warming Centers
- Cooling Centers
- Schools
- Railroad Stations

Base Map Data Sources:
Cook County, ESRI



VILLAGE OF SCHILLER PARK

PEAK GROUND ACCELERATION FOR A 100 YEAR EARTHQUAKE EVENT

Mercalli Scale, Potential Shaking

II-III Weak

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

Probabilistic seismic-hazard maps were prepared for the conterminous United States for 2014 portraying peak horizontal acceleration and horizontal spectral response acceleration for 0.2- and 1.0-second periods with probabilities of exceedance of 10 percent in 50 years and 2 percent in 100 years. All of the maps were prepared by combining the hazard derived from spatially smoothed historical seismicity with the hazard from fault-specific sources. The acceleration values contoured are the random horizontal component. The reference site condition is firm rock, defined as having an average shear-wave velocity of 760 m/s in the top 30 meters corresponding to the boundary between NEHRP (National Earthquake Hazards Reduction Program) site classes B and C.

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