

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

Franklin 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
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Jurisdiction Profile

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

- **Date of Incorporation:** 1892
- **Current Population:** The 2018 U.S. Census estimates the population of the Village of Franklin Park to be 17,808.
- **Population Growth:** According to the 2010 U.S. Census the population in Franklin Park is 18,333. The 2010 Census population showed that the Village’s population declined 1% from the 2000 Census. There were 19,434 residents in Franklin Park at the time of the 2000 Census. The current estimates are on trend with the population decreasing in Franklin Park.
- **Location and Description:** The Village of Franklin Park is a community immediately west of the City of Chicago and immediately south of O’Hare International Airport. The Village is landlocked by several communities including Schiller Park to the north, River Grove and the City of Chicago to the east, Melrose Park and Unincorporated Cook County to the south, and Northlake and Bensenville to the west. One of the eastern boundaries of the Village is the Des Plaines River. This river has experienced several flooding events, including its tributaries like Crystal Creek and Silver Creek, which has resulted in dozens of properties experiencing flooding.
- **Brief History:** The Village of Franklin Park was initially platted around the time of the Village’s incorporation. The Village steadily grew until the explosion of development after World War II. The majority of all housing and industrial/commercial buildings were built between the 1940s and the 1960s. The Village incorporated a large portion of Cook County in the 1970s in the area generally north of Belmont Avenue and west of Mannheim road to the County limits. Nearly all of this newly, annexed land was and still is industrial land uses.
- **Climate:** The climate of Franklin 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 city 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 city’s 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 city’s 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:** Franklin Park is a Mayor-Council form of government with a strong mayor and six Village Trustees making up the Village Board. This body of Government will assume the responsibility for the adoption and implementation of this plan. The Village operates 11 departments including the Building Department, Clerk's Office, Community Development, Engineering Department, Finance Department, Fire Department, Health Department, Mayor's Office, Police Department, Public Works Department, and the Zoning Department.
- **Development Trends:** The Village has a comprehensive plan that was updated in 2017. There have been significant developments that are and have been taking shape in and around the Village of Franklin Park. The Elgin O'Hare Western Access project will be coming through the Village which will take a few taxable properties offline. However, the Village will greatly benefit from the direct access to the federal highway system when this project is completed. Additionally, there have been large redevelopment projects taking place in the Village such as the new Digital Realty Data Center located at 9333-9377 W Grand Avenue. This project is estimated to cost over \$500 million. Many new businesses have initiated operations within the Village; in the past 18 months there have been over 100 businesses that have opened their doors for the first time or have expanded their business due to the success they are having in the Franklin Park business community. The industrial vacancy rate has been significantly reduced where, in 2014, the vacancy rate was an estimated 8% and now it is around 4%. In the residential sector, there is a lot more investment in the community as compared to prior years. The Village has witnessed a steady increase in the number of building permits issued. The Village seldom annexes very small portions of Unincorporated Cook County (Leyden Township), but is always seeking redevelopment opportunities that will benefit the Village and the surrounding area. Additionally, in May 2018, construction began on a new industrial development that is expected to create over 100 jobs. Incentives are given to businesses in the Village of Franklin Park.

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	Title 8, Chapter 6 FPVC, adopted 2006
Zonings	Yes	No	No	Yes	Title 9 FPVC, adopted 1974 w/subsequent text amendments.
Subdivisions	Yes	No	No	No	Title 10, FPVC, adopted 1969 w/subsequent text amendments.
Stormwater Management	Yes	No	Yes	Yes	Il Environmental Protection Act and section 402 CWA. Permit issued under 49 CFR 122.32 Title 10, Chapter 6, FPVC, adopted 2003
Post Disaster Recovery	No	No	No	No	
Real Estate Disclosure	No	No	Yes	Yes	(765 ILCS 77/) Residential Real Property Disclosure Act.

Growth Management	Yes	No	No	No	Village of Franklin Park Comprehensive Plan, updated in 2005 and 2007
Site Plan Review	Yes	No	No	No	Title 10, Chapter 3, FPVC, adopted 1970
Public Health and Safety	Yes	No	Yes	Yes	Cook County Board of Health. Title 4, FPVC, adopted 1969 w/ subsequent text amendments.
Environmental Protection	Yes	No	Yes	Yes	Title 7, FPVC adopted 1988. Sewer discharges regulated by MWRD.
Planning Documents					
General or Comprehensive Plan	Yes	No	No	No	Village of Franklin Park Comprehensive Plan, updated in 2005, 2007, and 2017
<i>Is the plan equipped to provide linkage to this mitigation plan?</i>					Yes. Plan includes a Natural resources element, and could include a safety element under future updates.
Floodplain or Basin Plan	Yes	No	IDNR, MWRD	Yes	A flood improvement study is currently being conducted by the Village. Title 8, Chapter 5, FPVC adopted in 2008.
Stormwater Plan	Yes	No	MWRD	Yes	Cook County stormwater impacts are

					managed by MWRD. The Village lies within the Des Plaines River watershed planning area of MWRD’s comprehensive Stormwater Master Planning Program Title 7, Chapter 9, Article A, FPVC adopted 2004
Capital Improvement Plan	Yes	No	No	No	5 year CIP includes all building, street, water, sewer improvements and major equipment purchases.
<i>What types of capital facilities does the plan address?</i>					See above
<i>How often is the plan revised/updated?</i>					Same
Habitat Conservation Plan	No	No	No	No	
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	Yes	No	Yes	Yes	Cook County DHSEM
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County DHSEM Preparing THIRA
Terrorism Plan	Yes	No	Yes	Yes	Cook County DHSEM
Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	Yes	No	Yes	No	Cook County DHSEM
Public Health Plans	No	No	No	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	Yes
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	No
State Sponsored Grant Programs	Yes
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	Economic Development Engineering
Engineers or professionals trained in building or infrastructure construction practices	Yes	Economic Development Engineering
Planners or engineers with an understanding of natural hazards	Yes	Economic Development Engineering
Staff with training in benefit/cost analysis	Yes	Comptroller / Engineering
Surveyors	No	
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Fire Chief
Grant writers	Yes	Economic Development

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Building Department
Who is your jurisdiction’s floodplain administrator? (department/position)	Building Department Director
Are any certified floodplain managers on staff in your jurisdiction?	Yes
What is the date of adoption of your flood damage prevention ordinance?	July 14, 2008
When was the most recent Community Assistance Visit or Community Assistance Contact?	August 8, 2012
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, Significant number of LOMAs (letters of map amendment) indicate elevation inaccuracies in the model.
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	No; Village will be completing application once the mitigation plan is complete.

Classification? If not, is your jurisdiction interested in joining the CRS program?	
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TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Yes	2	2019
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	Yes	N/A	2012

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: 34
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 5

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment
Severe Weather	-	9/1/2018	\$5,000 in property damage.
Severe Winter	-	12/18/2013 - 2/17/2014	\$720,000
Flooding	DR-4116	4/18/2013	\$996,031
Winter Storm	-	3/5/2013	\$17,000
Strong Wind	-	2/18/2013	\$7,500
Winter Storm	-	12/22/2012	\$15,000
Strong Wind/Cold	-	11/23/2012	\$8,700
Thunderstorm/Wind	-	7/26/2012	\$13,750
Thunderstorm/Wind	-	7/24/2012	\$7,500
Thunderstorm/Wind	-	7/1/2012	\$10,500
Flooding	-	7/23/2011	\$1,619,591
Thunderstorm/Wind	-	7/11/2011	\$21,000
Thunderstorm/Wind	-	6/21/2011	\$7,500
Thunderstorm/Wind	-	6/18/2011	\$13,500
Blizzard	DR-1960	2/3/2011	\$174,976
Winter Storm	-	12/11/2010	\$17,000

Flooding	-	11/22/2010	\$37,000
Thunderstorm/Wind	-	9/21/2010	\$15,000
Flooding	DR-1935	7/24/2010	\$2,619,828
Flooding	-	6/23/2010	\$45,000
Thunderstorm/Wind	-	6/21/2010	\$25,000
Thunderstorm/Wind	-	6/18/2010	\$15,000
Hail	-	4/5/2010	\$7,500
Winter Storm	-	12/26/2009	\$17,000
Flash Flood	-	06/19/2009	\$49,000
Winter Storm/Wind	-	12/21/2008	\$27,000
Flooding	DR-1800	9/13/2008	\$466,375
Thunderstorm/Flooding	-	8/4/2008	\$32,296
Thunderstorm/Wind	-	12/23/2007	\$27,000
Flooding	DR-1729	8/24/2007	\$475,000
Thunderstorm/Wind	-	7/10/2007	\$350,000
Flooding	-	6/26/2007	\$47,000
Heat	-	6/14/2007	-
Winter Storm/Ice	-	12/1/2006	\$15,000
Flash Flood/Wind	-	10/2/2006	\$57,000
Thunderstorm/Wind	-	9/22/2006	\$8,700
Thunderstorm/Wind	-	7/17/2006	\$10,500
Thunderstorm/Wind	-	3/13/2006	\$7,500
Winter Storm	-	12/08/2005	\$17,000
Thunderstorm/Wind	-	7/25/2005	\$8,700
Thunderstorm/Wind	-	6/4/2005	\$7,000
Hail	-	3/30/2005	\$5,400
Flash Flood	-	6/10/2004	\$27,500

Thunderstorm/Wind	-	5/21/2004	\$10,750
Winter Storm	-	1/4/2004	\$13,000
Flash Flood	-	11/4/2003	\$7,500
Hail	-	8/3/2003	\$5,500
Hail/Thunderstorm/Wind	-	8/1/2003	\$8,500
Thunderstorm/Wind	-	7/15/2003	\$5,500
Winter Storm	-	3/4/2003	\$17,000
Heat	-	7/1/2002 - 7/15/2002	-
Thunderstorm/Wind	-	6/14/2001	\$7,500
Blizzard	EM-3161	12/11/2000	\$125,000
Thunderstorm/Wind	-	8/6/2000	\$10,500
Hail	-	5/18/2000	\$7,500
Thunderstorm/Wind	-	4/20/2000	\$5,700
Flash Flood	-	10/17/1998	\$45,000
Flash Flood	-	8/4/1998	\$25,000
Thunderstorm / Wind	-	5/28/1998	\$10,500
Flooding	-	2/20/1997	-
Winter Storm	-	1/18/1997	-
Flooding	DR-1129	7/17/1996	-
Excessive Heat	-	5/18/1996	-
Thunderstorm/Wind	-	8/28/1995	-
Winter Storm	-	12/7/1994	-
Thunderstorm/Wind	-	6/19/1993	-
Flooding	-	6/7/1993	-
Thunderstorm/Wind	-	6/17/1992	-
Thunderstorm/Wind	-	7/18/1991	-
Thunderstorm/Wind	-	3/27/1991	-

Winter Storm	-	1/10/1991	-
Winter Storm	-	12/3/1990	-
Flooding	-	11/27/1990	-
Flooding	-	8/19/1990	-
Thunderstorm/Wind	-	6/29/1990	-
Winter Storm	-	2/15/1990	-
Thunderstorm/Wind	-	8/05/1989	-
Thunderstorm/Wind	-	5/8/1988	-
Winter Storm	-	12/15/1987	-
Flooding	DR-798	8/14/1987	\$232,378
Thunderstorm/Wind/Flash Flooding	DR-776	9/21/1986	-
Flooding / Snow / Wind	-	3/4/1985	\$13,500
Flooding / Wind	-	7/2/1983	-
Flooding	-	12/6/1982	-
Flooding	DR-643	6/30/1981	-
Wind	-	7/16/1980	-
Winter Storm	EM-3068	1/31/1979	-
Thunderstorm / Wind	-	7/2/1978	-
Winter Storm / Ice	-	3/27/1978	-
Tornado	-	3/12/1976	-
Thunderstorm / Wind	-	6/18/1975	-

[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 community maintains concern over overland flooding from Silver Creek and Des Plaines River flood plains/SFHA's. The community has also experienced urban flooding due to storm sewers/combined sewer back-ups during major storm events.

Extreme Heat: The Village's elderly residents are susceptible to the impacts of high heat, especially when high humidity is present.

Lightning: Previously, the impacts of lightning have only posed a potential risk to the people and property of the Village of Franklin Park. However, the community maintains concern regarding the impact lightning may have on its taller structures.

Hail: Previously, the impacts of hail have only posed a potential risk to the people and property of the Village of Franklin Park.

Fog: Previously, the impacts of fog have only posed a potential risk to the people and property of the Village of Franklin Park.

Severe Weather/ High Winds: In 2001, a large bow echo moved southeast from Wisconsin into northeast Illinois late on Monday June 11th. Wind speeds were measured as high as 84 mph in the city of Chicago at 2345 CST. A roof was blown off of a building in Franklin Park in Cook county at 2300 CST. Over 100,000 customers were reported to have lost their power in the greater Rockford area. Power outages were common across all of northeast Illinois.

In 2010, a line of thunderstorms developed in west central and northwest Illinois during the late afternoon and early evening of Thursday June 14th. This line raced eastward across north central and northeast Illinois. The main damage from this line of storms was in the form of trees and limbs down, as well as power lines and utility poles down. Locations where these reports were received include: Dixon in Lee county; Triumph and Mendota in La Salle county; Rochelle in Ogle county; across all of Winnebago county; Newark in Kendall county; Kirkland in De Kalb county; Harvard in McHenry county; Belvidere in Boone county; across all of Kane county; Frankfort in Will county; Lincolnshire in Lake county; and Franklin Park and Matteson in Cook county.

Snow: The Village is concerned about traffic safety and road icing during snow events.

Blizzards: Due to previous experiences with the impacts of this natural hazard, the Village maintains concern about the impacts of blizzards/

Extreme Cold: Similar to other municipalities within Cook County, the Village is concerned about the possible community-wide impacts of extreme cold events. Accordingly, the Village has increased its efforts for public awareness of warming shelter locations.

Ice Storms: It is possible that the Village is particularly susceptible to the impacts of ice storms.

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	Flood	36
2	Severe Weather	48
3	Severe Winter Weather	48
4	Earthquake	34
5	Tornado	33
6	Drought	2
7	Dam Failure	0

Note: The ranking of hazards was subjectively changed based on past experience.

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 F6.1 —Join the Community Rating System (CRS) program.						
Ongoing	Flood, Severe Weather	3, 6, 7, 9, 10, 11, 13	Franklin Park	\$5,000; Low	Franklin Park	Short-term
Action F6.2 —Remapping of the FIRM. More accurately determines flood prone areas.						
Completed	Flood, Severe Weather	1, 6	FEMA	\$300,000; High	FEMA	Completed
Action F6.3 —Raising Anderson Lift Station.						
Completed	Flood, Severe Weather	1, 2, 7	Franklin Park	\$15,000; Low	FEMA	Completed
Action F6.4 —Provide second salt dome.						

Completed	Severe Winter Weather	1, 5	Franklin Park	\$250,000; High	FEMA	Completed
Action F6.5 —Replace existing community warning siren.						
Completed	Severe Weather, Tornado	1, 2, 5	Franklin Park	\$150,000; High	FEMA	Completed
Action F6.6 —Property Buyout Program.						
Ongoing	Flood, Severe Weather	1, 7	Franklin Park	\$15,000,000; High	FEMA	Long-term
Action F6.7 —Public education on shelter locations.						
Ongoing	All	3, 6	Franklin Park	\$10,000; Medium	Franklin Park	Short-term
Action F6.8 —Obtain a Building Code Effectiveness Rating.						
Ongoing	All	4, 10	Franklin Park	\$5,000; Low	Franklin Park	Short-term
Action F6.9 —Silver Creek Channel Improvements.						
Completed	Flood, Severe Weather	1, 7	Franklin Park	\$4,700,000 (\$1,900,000 already in Village Budget)	Franklin Park, MWRD	Completed
Action F6.10 —Increase monitoring for repetitive losses.						
Ongoing	Flood, Severe Weather	1, 7	Franklin Park	\$250,000; High	FEMA	Long-term
Action F6.11 —Assist vulnerable population/seniors with severe weather.						
Ongoing	Severe Weather, Severe Winter Weather	2, 12	Franklin Park	\$25,000; Low	Franklin Park	Short-term
Action F6.12 —Construction of local flood control structures.						

Completed	Flood; Severe Weather	1, 9	Franklin Park	\$30,000,000; High	Federal / State, Franklin Park	Completed
Action F6.13 —Support retrofitting, purchase, or relocation of structures in hazard-prone areas.						
Ongoing	All	7, 13	Franklin Park	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action F6.14 —Continue to support the countywide actions identified in this plan.						
Ongoing	All	All	Franklin Park	Low	General Fund	Short- and Long- term
Action F6.15 —Actively participate in the plan maintenance.						
Ongoing	All	3, 4, 6	DHSEM, Franklin Park	Low	General Fund	Short-term
Action F6.16 —Continue participation in Tree City and StormReady.						
Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Franklin Park	Low	General Fund	Long-term
Action F6.17 —Maintain good standing under the National Flood Insurance Program.						
Ongoing	Flooding	4, 6, 9	Franklin Park	Low	General Fund	Short-term and Ongoing
Action F6.18 —Implement a program to record high water marks following significant rain events.						
Ongoing	Flooding, Severe Weather	3, 6, 9	Franklin Park	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action F6.19 —Integrate the Hazard Mitigation Plan into other plans.						
Ongoing	All	3, 4, 6, 10, 13	Economic Development	Low	General Fund	Short-term
Action F6.20 —Launch Comprehensive Public Education efforts of all potential hazards and safety/mitigation/preparation.						

New	All	6	Fire Department	Low	Internal Budget	2019
Action F6.21 —Incorporate requirements of newly approved update to MWRDGC's LOMD with New Watershed specific release rates and rainfall bulletin.						
New	Flood, Severe Weather	9	Franklin Park	TBD	TBD	1/1/2020
Action F6.22 —Implement Reuters Subdivision Improvements - Phase IB						
New	Flood	9	MWRD	\$3,242,000	MWRD	TBD
Action F6.23 —Launch Franklin Park Flood-Prone Property Acquisitions						
New	Flood	7, 9	MWRD	\$6,400,000	MWRD	TBD
(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	Medium	Low	Yes	No	Yes	High
2	2	Medium	High	Yes	No	No	High
3	2	High	Low	Yes	Yes	Yes	High
4	2	Low	Medium	Yes	No	No	Medium
5	2	High	Medium	Yes	Yes	No	Medium
6	2	High	High	Yes	Yes	No	High
7	3	Medium	Low	Yes	No	Yes	High
8	4	Low	Low	Yes	No	Yes	High
9	2	Medium	High	Yes	Yes	Yes	High
10	2	Medium	Medium	Yes	Yes	No	Medium
11	2	Low	Low	No	No	Yes	Medium
12	2	High	High	No	Yes	Yes	High

13	2	High	High	Yes	Yes	No	Medium
14	13	Medium	Low	Yes	No	Yes	High
15	3	Medium	Low	Yes	Yes	Yes	High
16	9	Medium	Low	Yes	No	Yes	Medium
17	3	Medium	Low	Yes	No	Yes	High
18	3	Medium	Medium	Yes	Yes	No	Medium
19	5	Medium	Low	Yes	No	Yes	High
20	1	High	Low	Yes	No	Yes	High
21	1	TBD	TBD	TBD	TBD	TBD	TBD
22	1	TBD	TBD	TBD	TBD	TBD	TBD
23	2	TBD	TBD	TBD	TBD	TBD	TBD

(a) See Chapter 1 for explanation of priorities.

New Mitigation Actions

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

Action F-6.20

Mitigation Action	Launch a Comprehensive Public Education efforts of all potential hazards and safety/mitigation/preparation.
Year Initiated	2019
Applicable Jurisdiction	Franklin Park
Lead Agency/Organization	Fire Department
Supporting Agencies/Organizations	Building/Engineering
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. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to impacts of natural hazards. • Develop, promote, and integrate mitigation action plans. • Promote public understanding of and support for hazard mitigation.
Applicable Objective	
Potential Funding Source	Internal Budget
Estimated Cost	
Benefits (loss avoided)	Increased safety awareness and preparation. Knowledge of where to locate info. Social media/website.
Projected Completion Date	2019
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High–Project will provide an immediate reduction of risk exposure for life and property.
Cost Analysis (Low, Medium, High)	Low–The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		

2021		
2022		
2023		

Mitigated Hazards	
X	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	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

Action F-6.21

Mitigation Action	Incorporate requirements of newly approved update to MWRDGC's LOMD with New Watershed specific release rates and rainfall bulletin.
Year Initiated	2019
Applicable Jurisdiction	Franklin Park
Lead Agency/Organization	Franklin Park
Supporting Agencies/Organizations	MWRD
Applicable Goal	<ul style="list-style-type: none"> Develop, promote, and integrate mitigation action plans.
Applicable Objective	<ul style="list-style-type: none"> Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans.
Potential Funding Source	TBD
Estimated Cost	TBD
Benefits (loss avoided)	TBD
Projected Completion Date	1/1/2020
Priority and Level of Importance (Low, Medium, High)	TBD
Benefit Analysis (Low, Medium, High)	TBD
Cost Analysis (Low, Medium, High)	TBD
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	Incorporate requirements of newly approved update to MWRDGC's LOMD with New Watershed specific release rates and rainfall bulletin. Update with an effective date of 1/1/2020

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

Action F-6.22

Mitigation Action	Implement Reuters Subdivision Improvements - Phase IB
Year Initiated	2019
Applicable Jurisdiction	City of Chicago
Lead Agency/Organization	MWRD
Supporting Agencies/Organizations	City of Chicago
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
Applicable Objective	<ul style="list-style-type: none"> Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans.
Potential Funding Source	MWRD (\$378,000)
Estimated Cost	\$3,242,000
Benefits (loss avoided)	TBD
Projected Completion Date	TBD
Priority and Level of Importance (Low, Medium, High)	TBD
Benefit Analysis (Low, Medium, High)	TBD
Cost Analysis (Low, Medium, High)	TBD
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	Contract: 18-IGA-23 Watershed: Lower Des Plaines Location: Franklin Park, IL Description: Upsizing existing storm sewers, constructing new sewers and other infrastructure improvements in the Reuter’s subdivision in order to protect an estimated 67 structures from a 100-year design storm.

Mitigation Action and Project Maintenance					
Year	Status	Comments			
2019	New	Under construction			
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

Action F-6.23

Mitigation Action	Launch Franklin Park Flood-Prone Property Acquisitions
Year Initiated	2019
Applicable Jurisdiction	City of Chicago
Lead Agency/Organization	MWRD
Supporting Agencies/Organizations	City of Chicago
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
Applicable Objective	<ul style="list-style-type: none"> Retrofit, purchase, or relocate structures in high hazard areas, including those known to be repetitively damaged. Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans.
Potential Funding Source	MWRD (\$4,681,000)
Estimated Cost	\$6,400,000
Benefits (loss avoided)	TBD
Projected Completion Date	TBD
Priority and Level of Importance (Low, Medium, High)	TBD
Benefit Analysis (Low, Medium, High)	TBD
Cost Analysis (Low, Medium, High)	TBD
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	ID: Franklin Park FPPA Contract: 16-IGA-13 Watershed: Lower Des Plaines Location: Franklin Park, IL Description: Purchase 32 flood-prone homes along Silver Creek. This is a cost-sharing agreement with the Village of Franklin Park.

Mitigation Action and Project Maintenance			
Year	Status	Comments	
2019	New	Intergovernmental agreement executed. Appraisals are being performed.	

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 F-6.1

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.1	Join CRS program	
Status Description: No	Application is on hold until F6.6 property buyout is completed	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 F-6.6

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.6	Property buyout program	
Status Description:	Have completed an intergovernmental agreement with MWRDGC and Cook County Land Bank to purchase 32 homes along Silver Creek.	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 F-6.7

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.7	Public Education on shelter locations	
Status Description: Yes	Published locations of shelter locations in the newsletter and facebook.	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 F-6.8

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.8	Obtain a Building Code Effectiveness Rating	
Status Description: Yes	Action not taken due to staff turnover.	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 F-6.10

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.10	Increase monitoring for repetitive losses	
Status Description: Yes	Internal program has been setup.	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 F-6.11

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.11	Assist vulnerable population/seniors with severe weather	
Status Description: Yes	Internal procedures established in the Emergency Operations Plan. Cooling and warming facilities have been identified. Senior snow removal program is in place.	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 F-6.13

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.13	Support retrofitting, purchase or relocation of structures in hazard prone areas	
Status Description: Yes	Monitoring properties in the floodplain for possible retrofitting. Pursuing the purchase of 32 homes in the floodplain (F6.6)	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 F-6.14

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.14	Continue to support the county wide actions identified in this plan	
Status Description: Yes	Continue to actively participate in the county program.	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 F-6.15

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.15	Actively participate in the plan maintenance	
Status Description: Yes	Continue to actively participate in the plan maintenance	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 F-6.16

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.16	Continue participation in Tree City and Stormready programs	
Status Description: Yes	Village continues to maintain it's status as a Tree City. Village is participating in the Stormready program and an active member of the Silver Creek Planning Study.	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 F-6.17

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.17	Maintain good standing in the NFIP	
Status Description: Yes	Village maintains good standing in the NFIP. Village has a full time certified floodplain manager.	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 F-6.18

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.18	Implement a program to record high water marks following significant rain events	
Status Description: Yes	Village maintains good standing in the NFIP. Village has a full time certified floodplain manager.	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 F-6.19

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.19	Integrate the Hazard Mitigation Plan into other plans	
Status Description:		O
<p>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 F-6.2

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.2		
Status Description: Yes	Remapping of Crystal Creek was completed and a LOMA approved with effective date of 12/7/18.	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 F-6.3

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.3	Raise Anderson Lift Station	
Status Description: Yes	Anderson Lift Station has been raised above the BFE.	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 F-6.4

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.4	Provide second salt dome	
Status Description: Yes	A second salt storage facility has been constructed and operational	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 F-6.5

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.5	Replace existing community warning siren	
Status Description: Yes	Existing Community Warning Sirens have been replaced or repaired.	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 F-6.9

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.9	Silver Creek Channel Improvements	
Status Description: Yes	Channel improvements have been completed resulting in the reduced flood hazard for 92 homes.	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 F-6.12

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# F-6.12	Construction of local flood control structures	
Status Description: Yes	Completed construction of 100acft of flood control structures in 2017. Completed 100% of the connecting storm sewer pipes.	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

Although the severe weather events are the most frequent and have potential for significant damage the repetitive losses due to Urban Flooding continue to outpace all the other hazards. The Village of Franklin Park will need to continue to place a very high emphasis on mitigating the threats from flood damage. The highest priority is to have the existing floodplain adequately identified. The Village strongly supports purchasing flood prone properties to reduce the potential for damages. Franklin Park is pursuing flood control structures in the I-294 Industrial Park area in conjunction with construction of the Elgin O’Hare Western Access (I-490) project to address the repetitive losses that occur due to urban flooding.

Additional Comments

No additional comments at this time

HAZUS-MH Risk Assessment Results

FRANKLIN PARK EXISTING CONDITIONS	
2010 Population	18,333
Total Assessed Value of Structures and Contents	\$8,432,471,460
Area in 100-Year Floodplain	355.75 acres
Area in 500-Year Floodplain	592.51 acres
Number of Critical Facilities	115

HAZARD EXPOSURE IN FRANKLIN 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	2,977	916	\$369,316,826	\$293,428,477	\$662,745,302	7.86%

500-Year	3,786	1,165	\$668,952,662	\$640,382,949	\$1,309,335,611	15.53%
Tornado						
100-Year	—	—	\$963,013,072	\$948,393,024	\$1,911,406,097	22.67%
500-Year	—	—	\$1,592,025,968	\$1,376,313,635	\$2,968,339,603	35.20%

ESTIMATED PROPERTY DAMAGE VALUES IN FRANKLIN 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	\$38,344,558	\$12,161,155	\$50,505,713	0.60%
Flood				
10-Year	\$1,083,563	\$443,289	\$1,526,852	0.02%
100-Year	\$19,256,405	\$14,340,861	\$33,597,266	0.40%
500-Year	\$43,999,836	\$49,525,413	\$93,525,249	1.11%

Tornado				
100-Year	\$96,301,307	\$94,839,302	\$191,140,610	2.27%
500-Year	\$232,435,791	\$200,941,791	\$433,377,582	5.14%

Hazard Mapping





