

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

**Hodgkins Annex**

**FINAL**

July 2019

Prepared for:



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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:** 1896
- **Current Population:** The population from the 2018 US Census was 1,885.
- **Population Growth:** There has been a decrease in population of almost 12 percent since 2000.
- **Location and Description:** The Village of Hodgkins is located just over 3 miles from Chicago’s western city limits and is bordered by McCook to the north, the Des Plaines River to the south and east, and Countryside to the west. The Des Plaines River runs along the Village’s southern and eastern border and Interstates I-55 and I-294 traverse the Village. According to the 2010 census, the village has a total area of 2.64 square miles.
- **Brief History:** The Village of Hodgkins was incorporated in 1896. Jefferson Hodgkins, the president of the Kimball and Cobb Stone Company, which was the first business to locate in the Village. Jefferson Hodgkins was the businessman for whom Hodgkins was named. Modesto Lenzi became the Village’s first president that same year. In the 1950s and 1960s Hodgkins began to attract motor freight terminals. The village’s location relative to expressways and the availability of high, flat, and dry land made it a natural distribution and transfer point between Chicago and the rest of the nation. Hodgkins grew substantially during these two decades; however, by the late 1970s, the motor freight industry began to decline.
- **Climate:** The Village of Hodgkins climate is warm during the summer when temperatures tend to be in the 70s and very cold during winter when temperatures tend to be in the 20s. The warmest month of the year is July with an average maximum temperature of 84.70 degrees Fahrenheit, while the coldest month of the year is January with an average minimum temperature of 16.20 degrees Fahrenheit. The annual precipitation in Hodgkins is 38.35 inches. Rainfall is fairly evenly distributed throughout the year. The wettest month of the year is June with an average of 4.16 inches of rainfall.
- **Governing Body Format:** Hodgkins is governed by an elected president and six trustees. The Village President, Village Clerk, and three Trustees are elected every four years. The other three Trustees are also elected for four-year terms, but the election is staggered and takes place two years after the first group. The Village Treasurer, Police Chief and Superintendent of Public Works are appointed. This body of Government will assume the responsibility for the adoption and implementation of this plan. The Village of Hodgkins operates 5 departments including the Emergency Services Disaster Agency, Fire Department, Police Department, Public Works Department, and the Water Department.
- **Development Trends:** In 1985 Hodgkins joined with the Village of McCook to create the McCook-Hodgkins Enterprise Zone. The next year saw the creation of a Tax Increment Finance (TIF) District within the Enterprise Zone. As a result of these programs, commercial business began to replace motor freight as Hodgkins mechanism of growth. Developers built a major local shopping center, The Quarry Mall, on land vacated by the declining motor freight companies in 1992. Several auto dealerships, restaurants, a movie theater and an offtrack betting

establishment were also attracted to the development. The crown jewel of the Enterprise Zone, however, is the United Parcel Service (UPS) package sorting facility built in 1991; it is the largest package sorting facility in the world. In 2008, the Village created TIF II District which resulted in the construction of Continental Toyota of Hodgkins. This is one of the largest auto dealerships in the State of Illinois. In 2014, the Village was establishing the TIF III District which is aimed at the commercial development along East Ave., located in Northeast section of the Village. Improvements to properties has occurred in recent years such as the Runnion Crane Sales and Service and the Chevrolet Auto and Mid-Size Truck Dealership to the vacant property on East Avenue. Also, one of the largest property development plans that has been taken on in many years, is the Lenzi Avenue Apartment Building purchase and demolition.

## 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.

<b>TABLE: LEGAL AND REGULATORY CAPABILITY</b>					
	<b>Local Authority</b>	<b>State or Federal Prohibitions</b>	<b>Other Jurisdictional Authority</b>	<b>State Mandated</b>	<b>Comments</b>
<b>Codes, Ordinances &amp; Requirements</b>					
Building Code	Yes	No	No	Yes	93-23 (12-09-1985)
Zonings	Yes	No	No	Yes	92-14(12-09-1985)
Subdivisions	Yes	No	No	No	Section 9 (date unknown)
Stormwater Management	No	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA.
Post Disaster Recovery	No	No	No	No	
Real Estate Disclosure	No	No	Yes	Yes	(765 ILCS 77/) Residential Real Property Disclosure Act.
Growth Management	No	No	No	No	
Site Plan Review	Yes	No	No	No	8-2-16 (date unknown)
Public Health and Safety	Yes	No	Yes	Yes	07-01 (01/08/2007)

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 linkage to this mitigation plan?</i>					N/A
Floodplain or Basin Plan	Yes	No	No	No	06/09/2008
Stormwater Plan	No	No	Yes	No	Regional stormwater impacts are managed by MWRD. The Village lies within the Des Plaines River watershed planning area of MWRD's comprehensive Stormwater Master Planning Program
Capital Improvement Plan	Yes	No	Yes	No	
<i>What types of capital facilities does the plan address?</i>					Water distribution, lighting, sidewalks, streets and alleys.
<i>How often is the plan revised/updated?</i>					Annually
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	Yes	No	Yes	Yes	TIF Plan I & TIF Plan II
Shoreline Management Plan	No	No	No	No	
<b>Response/Recovery Planning</b>					

Comprehensive Emergency Management Plan	Yes	No	No	Yes	99-03 (03/08/1999)
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

<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	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

<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	Frank Novotny & Associates
Engineers or professionals trained in building or infrastructure construction practices	Yes	Frank Novotny & Associates
Planners or engineers with an understanding of natural hazards	Yes	Frank Novotny & Associates
Staff with training in benefit/cost analysis	Yes	Frank Novotny & Associates
Surveyors	Yes	Frank Novotny & Associates
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium/Frank Novotny & Associates.
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Hodgkins Emergency Management Coordinator
Grant writers	No	

<b>TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE</b>	
What department is responsible for floodplain management in your jurisdiction?	Building Department
Who is your jurisdiction’s floodplain administrator? (department/position)	Building Commissioner
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	06/09/2008
When was the most recent Community Assistance Visit or Community Assistance Contact?	Have no received a Community Assistance Visit
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	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
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<b>TABLE: COMMUNITY CLASSIFICATIONS</b>			
	<b>Participating?</b>	<b>Classification</b>	<b>Date Classified</b>
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Unknown	Unknown	Unknown
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	No	N/A	N/A

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

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Severe Winter Storm	FEMA-1960-DR-1960	1/31/2011	\$14,562.00 Submitted, \$10,922.00 Received

### 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.

**Extreme Cold:** In January of 2004, 82-year-old woman found dead in unheated mobile home in Hodgkins, Cook County. Overnight low temperature was -6F.

**Severe Weather:** In 1998, A squall line moved east across north central and northeast Illinois causing widespread wind damage to trees and power lines. In Cook County, observers measured a 58-mph wind gust on the west side of Chicago and a 64-mph wind gust in Midlothian. Trees were blown down in Brookfield and Hodgkins. Siding on houses and fences were also damaged.

**Drought:** potable water in the area is a concern and the availability would greatly decrease in the event of a drought

**Tornado:** While none have touched down in the area, the mobile homes are particularly vulnerable.

## Hazard Risk Ranking

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

<b>TABLE: HAZARD RISK RANKING</b>		
<b>Rank</b>	<b>Hazard Type</b>	<b>Risk Rating Score (Probability x Impact)</b>
1	Severe Weather	51
2	Severe Winter Weather	51
3	Tornado	48
4	Earthquake	22
5	Flood	16
6	Drought	2
7	Dam Failure	0

## Mitigation Strategies and Actions

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.

<b>TABLE: HAZARD MITIGATION ACTION PLAN MATRIX</b>						
<b>Status</b>	<b>Hazards Mitigated</b>	<b>Objectives Met</b>	<b>Lead Agencies</b>	<b>Estimated Cost</b>	<b>Sources of Funding</b>	<b>Timeline/Projected Completion Date (a)</b>
<b>Action H8.1</b> —Clear storm drains for storm water management.						
Ongoing	Severe Weather, Flood	1, 2, 4, 8, 9	Village, Public Works	Low	General Fund	Long-term
<b>Action H8.2</b> —Educate the public to promote safety, alert protocols, shelter and alternative warning systems.						
Ongoing	All	5, 6, 8, 11	Village, Emergency Service & Disaster Agency (ESDA), Police	Low	General Fund	Ongoing
<b>Action H8.3</b> —Integrate Hazard Mitigation Plan into the general Emergency Operations Plan.						
Ongoing	All	1, 5, 6, 8	DHSEM, Village, Police, ESDA	Low	General Fund	Long-term
<b>Action H8.4</b> —Participate in inspection drills involving village employees.						
Ongoing	All	1, 2, 5	Village	Low	General Fund	Ongoing
<b>Action H8.5</b> —Update City Emergency Operations, Pharmaceutical, and Public Building Plans.						
Ongoing	All	1, 5, 6, 8	ESDA, Police, Public Works	Low	General Fund	Short-Term, Annual
<b>Action H8.6</b> —Continue participation in mutual aid agreements with adjoining jurisdictions and intergovernmental-agency partnerships.						

Ongoing	All	1, 5, 8	Village, Police, Public Works, ESDA, Building Department	Low	General Fund	Long-term
<b>Action H8.7</b> —Maintain existing local flood control measures (ditches, water retention area).						
Ongoing	Flood	9, 12	Public Works	Medium	General Fund	Short-term
<b>Action H8.8</b> —Maintain outdoor warning system through preventive maintenance agreement.						
Completed	Tornado	5, 6, 11	Village, ESDA, Fire District	Low	General Fund	Completed
<b>Action H8.9</b> —Participate in information gathering and involvement in programs that concentrate on emergency preparedness and education (e.g., National Incident Management System).						
Ongoing	All	4, 6, 8	Village	Low	General Fund	Long-term
<b>Action H8.10</b> —Establish and continue planning and partnership between government agencies, volunteers, Cook County DPH, and public agencies.						
Ongoing	All	1, 6, 8	Village, Lyons Township, Countryside, Indian Head Park, La Grange, La Grange Park, and Pleasantview Fire District	Medium	General Fund	Ongoing
<b>Action H8.11</b> —Maintain and upgrade the village’s BlackBoard Connect (reverse 911) communications systems.						
Ongoing	All	5	Village	Low	General Fund	Ongoing
<b>Action H8.12</b> —Reduce potable water system loss due to leakage, infrastructure failures.						
Ongoing	Drought	1, 2, 13	Village, Water Department	Medium	General Fund, Grants	Ongoing
<b>Action H8.13</b> —Water run-off mitigation from new developments, housing, property redevelopment.						

Ongoing	Flood	3, 4, 8, 9, 10, 13	Village, Water Department, MWRD	High	Developer, Home Owner, Property Owner	Ongoing
<b>Action H8.14</b> —Upgrade/Expand ditch and water flow culverts.						
Completed	Flood	1, 2, 4, 8, 9	Village, Water Department	High	General Fund, Grants	Completed
<b>Action H8.15</b> —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	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
<b>Action H8.16</b> —Continue to support the countywide actions identified in this plan.						
Ongoing	All	All	Village	Low	General Fund	Short- and long-term
<b>Action H8.17</b> —Actively participate in the plan maintenance strategy identified in this plan.						
Ongoing	All	3, 4, 6	DHSEM Village	Low	General Fund	Short-term
<b>Action H8.18</b> —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.						
Removed	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village	Low	General Fund	Removed
<b>Action H8.19</b> —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	Village	Low	General Fund	Short-term and ongoing
<b>Action H8.20</b> —Where feasible, implement a program to record high water marks following high-water events.						
Completed	Flooding, Severe Weather	3, 6, 9	Village	Medium	General Fund; FEMA Grant	Completed

					Funds (Public Assistance)	
<b>Action H8.21</b> —Water Retention upgrade.						
Ongoing	TBD	TBD	TBD	TBD	TBD	TBD
<b>Action H8.22</b> —Outdoor Warning System improvement.						
Ongoing	TBD	TBD	TBD	TBD	TBD	TBD
<b>Action H8.23</b> —Reliability Improvements/Potable Water System.						
Ongoing	TBD	TBD	TBD	TBD	TBD	TBD
<b>Action H8.24</b> —Improvements to hydrant infrastructure.						
Ongoing	TBD	TBD	TBD	TBD	TBD	TBD
<b>Action H8.25</b> —Install Surge protection & lighting protection						
New	Extreme cold	1, 2	Building Department	\$8,000.00; Low	Local Funds	Spring 2019
<b>Action H8.26</b> —Install Monitoring Equipment for Village water & sewer systems.						
New	All	3, 12	Water Department	\$40,000.00; Low	Local Funds	Spring 2019
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	# 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	5	Medium	Low	Yes	No	Yes	Medium
2	4	Low	Low	Yes	No	Yes	Low
3	4	Medium	Low	Yes	No	Yes	Medium
4	3	Low	Low	Yes	No	Yes	Low
5	4	Medium	Low	Yes	No	Yes	Medium



6	3	Low	Low	Yes	No	Yes	Low
7	2	High	High	Yes	No	Yes	Medium
8	3	High	Low	Yes	No	Yes	High
9	3	Medium	Low	Yes	No	Yes	Low
10	3	Medium	Medium	Yes	Yes	No	Low
11	1	Medium	Low	Yes	NO	Yes	Medium
12	3	Medium	High	No	Yes	No	High
13	6	Medium	High	No	Yes	No	High
14	5	Medium	High	No	Yes	No	High
15	2	High	High	Yes	Yes	No	Medium
16	13	Medium	Low	Yes	No	Yes	High
17	3	Medium	Low	Yes	Yes	Yes	High
18	9	Medium	Low	Yes	No	Yes	Medium
19	3	Medium	Low	Yes	No	Yes	High
20	3	Medium	Medium	Yes	Yes	No	Medium
21	TBD	TBD	TBD	TBD	TBD	TBD	TBD
22	TBD	TBD	TBD	TBD	TBD	TBD	TBD
23	TBD	TBD	TBD	TBD	TBD	TBD	TBD
24	TBD	TBD	TBD	TBD	TBD	TBD	TBD
25	2	High	Low	Yes	Unknown	Unknown	High
26	2	Medium	Low	Yes	Unknown	Unknown	Medium

a. See Chapter 1 for explanation of priorities.

### New Mitigation Actions

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

**Action H-8.25**

<b>Mitigation Action</b>	Install Surge protection & lighting protection
<b>Year Initiated</b>	2019
<b>Applicable Jurisdiction</b>	Hodgkins Village Hall
<b>Lead Agency/Organization</b>	Building Department
<b>Supporting Agencies/Organizations</b>	I.T.
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> </ul>
<b>Applicable Objective</b>	<ul style="list-style-type: none"> <li>• Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management.</li> <li>• Increase the resilience of (or protect and maintain) infrastructure and critical facilities.</li> </ul>
<b>Potential Funding Source</b>	Local Funds
<b>Estimated Cost</b>	\$8,000.00
<b>Benefits (loss avoided)</b>	Prevention of data loss equipment
<b>Projected Completion Date</b>	Spring 2019
<b>Priority and Level of Importance (Low, Medium, High)</b>	High Priority
<b>Benefit Analysis (Low, Medium, High)</b>	High—Project will provide an immediate reduction of risk exposure for life and property.
<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>Actual Completion Date</b>	

<b>Recommended Mitigation Action/Implementation Plan and Project Description</b>	
<b>Action/Implementation Plan and Project Description:</b>	Instituted a new 24/7 monitoring service for the purpose of mitigating future incidents which could impact both data loss or equipment failure. The incident was the result of extreme cold temperatures which impacted Commonwealth Edison.

<b>Mitigation Action and Project Maintenance</b>		
<b>Year</b>	<b>Status</b>	<b>Comments</b>
2019	New	

<b>2020</b>		
<b>2021</b>		
<b>2022</b>		
<b>2023</b>		

Mitigated Hazards	
	<b>All Hazards</b>
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
X	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 H-8.26**

<b>Mitigation Action</b>	Install Monitoring Equipment for Village water & sewer systems
<b>Year Initiated</b>	2019
<b>Applicable Jurisdiction</b>	Village
<b>Lead Agency/Organization</b>	Water Department
<b>Supporting Agencies/Organizations</b>	ACS (Vendor)
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> </ul>
<b>Applicable Objective</b>	<ul style="list-style-type: none"> <li>Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change.</li> <li>Reduce natural hazard-related risks and vulnerability to potentially isolated populations within the planning area.</li> </ul>
<b>Potential Funding Source</b>	Local Funds
<b>Estimated Cost</b>	\$40,000.00
<b>Benefits (loss avoided)</b>	Upgraded management of water system
<b>Projected Completion Date</b>	Spring 2019
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium Priority
<b>Benefit Analysis (Low, Medium, High)</b>	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>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>Actual Completion Date</b>	Village Water Department upgraded the SCADA system

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		

<b>2022</b>		
<b>2023</b>		

Mitigated Hazards	
X	<b>All Hazards</b>
	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

### 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 H-8.1**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.1	Clear storm drains for storm water management	
Status Description: Yes	This is an ongoing activity that is performed by the Village Public Works Department.	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		

**Action H-8.2**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.2	Educate the public to promote safety, alert protocols, shelter and alternative warning systems.	
Status Description: Yes	Using established protocols, the Village utilizes Blackboard Connect to alert and educate its residents and businesses to severe weather, neighborhood crime watches or other critical incidents.	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		



**Action H-8.3**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.3	Integrate Hazard Mitigation Plan into the general Emergency Operations Plan.	
Status Description: Yes	Village coordinates building plans and zoning variations to meet BOCA standards through the Planning and Zoning Board and Village Engineer.	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		

**Action H-8.4**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.4	Participate in inspection drills involving village employees.	
Status Description: Yes	Designated Village employees are continually involved in building inspections to update and maintain operational alarm systems, fire extinguishers, unobstructed access and exit passage ways and to conform to required OSHA standards	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		

**Action H-8.5**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.5	Update City Emergency Operations, Pharmaceutical, and Public Building Plans.	
Status Description: Yes	Village Police Department Administrator and ESDA Coordinator continually review and update Village's EOP.	O
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.6**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.6	Continue participation in mutual aid agreements with adjoining jurisdictions and intergovernmental-agency partnerships.	
Status Description: Yes	Village currently maintains mutual aid and intergovernmental agreements with all applicable partners in such areas as Law Enforcement, Public Works, Building Department, and Water & Sewer	O
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.7**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.7	Maintain existing local flood control measures (ditches, water retention area).	
Status Description: Yes	As indicated in H8.14 and 2 water retention basins treatment	O
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.9**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.9	Participate in information gathering and involvement in programs that concentrate on emergency preparedness and education (e.g., National Incident Management System).	
Status Description:	Participate in training for severe weather monitoring.	O
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.10**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.10	Establish and continue planning and partnership between government agencies, volunteers, Cook County DPH, and public agencies.	
Status Description: Yes	This is part of the Village ongoing agreements.	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		

**Action H-8.11**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.11	Maintain and upgrade the village’s BlackBoard Connect (reverse 911) communications systems.	
Status Description: Yes	Village's Blackboard Administrator updates and maintains the data base on a regular basis, while continually updating the call list.	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		

**Action H-8.12**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.12	Reduce potable water system loss due to leakage, infrastructure failures.	
Status Description: Yes	Summer of 2016 the Village Water Department scoped the system to detect and repair leaks.	O
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.13**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.13	Water run-off mitigation from new developments, housing, property redevelopment	
Status Description: Yes	This is part of the topographical design review of all building projects within the Village . The Village Engineer conducts the reviews. As cited under H8.7 (2) retention bases were constructed for a construction project in order to mitigate run-off.	O
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.15**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.15	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		X
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.16**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.16	Continue to support the countywide actions identified in this plan.	
Status Description: Yes	Provided the required annual updates to the Action Plan Matrix as requested by CCDHSEM	X
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.17**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.17	Actively participate in the plan maintenance strategy identified in this plan.	
Status Description: Yes	The Village will continue to be an active participant in the plan maintenance strategy.	O
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.19**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.19	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: No	Currently, the Village does not have any land within its cooperate limits that impact any residential or business construction that would require flood insurance due to designated flood plain.	X
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.21**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.21	Water Retention Upgrade	
Status Description: Yes	Village constructed underground water retention pond for a commercial development located at 6201 East Ave.	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		

**Action H-8.22**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.22	Outdoor Warning System Improvement	
Status Description: Yes	Village installed a new outdoor weather siren at 8997 Lyons St. in order to increase audible warning alert in the area	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		



**Action H-8.23**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.23	Reliability Improvements/Potable Water System	
Status Description: Yes	Replacing mechanical pumps for Village pumping stations	O
<p align="center"><b>Completion status legend:</b>                      N = New    O = Action Ongoing toward Completion                      C = Project Completed    R = Want Removed from Annex    X = No Action Taken</p>		

**Action H-8.24**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.24	Improvements in hydrant infrastructure	
Status Description: Yes	Installed fire loop (hydrants) in N/E residential area of the Village (Parkview)	O
<p align="center"><b>Completion status legend:</b>                      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 H-8.8**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.8	Maintain outdoor warning system through preventive maintenance agreement.	
Status Description: Yes	The Village maintains a preventive maintenance agreement with Braniff Communications to perform annual preventive maintenance on the Village outdoor warning systems	C
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.14**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.14	Upgrade/Expand ditch and water flow culvert	
Status Description: Yes	2015 the village constructed (2) water retention basins along the area of 7000-7100 River Rd which is the lone flood hazard area within the Village depicted on the FEMA DFRIM.	C
<p align="center"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>		

**Action H-8.20**

<b>TABLE: ACTION PLAN MATRIX</b>		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# H-8.20	Where feasible, implement a program to record high water marks following high-water events	
Status Description: Yes	This is documented by the Director of the Village Water Department.	C
<p align="center"><b>Completion status legend:</b></p> <p align="center"> <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = 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

HODGKINS EXISTING CONDITIONS	
2010 Population	1,897
Total Assessed Value of Structures and Contents	\$2,155,106,433
Area in 100-Year Floodplain	27.15 acres
Area in 500-Year Floodplain	27.15 acres
Number of Critical Facilities	32

HAZARD EXPOSURE IN HODGKINS						
	Number Exposed		Value Exposed to Hazard		Total	% of Total Assessed Value Exposed
	Population	Buildings	Structure	Contents		
<b>Dam Failure</b>						
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%
<b>Flood</b>						
100-Year	0	0	\$0	\$0	\$0	0.0%

500-Year	0	0	\$0	\$0	\$0	0.0%
<b>Tornado</b>						
100-Year	—	—	\$350,330,560	\$364,923,107	\$715,253,667	33.19%
500-Year	—	—	\$661,770,915	\$786,606,783	\$1,448,377,698	67.21%

<b>ESTIMATED PROPERTY DAMAGE VALUES IN HODGKINS</b>				
	Estimated Damage Associated with Hazard			% of Total Assessed Value Damaged
	Building	Contents	Total	
<b>Dam Failure</b>				
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%
<b>Earthquake</b>				
1909 Historical Event	\$10,438,876	\$3,994,946	\$14,433,822	0.67%
<b>Flood</b>				
10-Year	\$0	\$0	\$0	0.00%
100-Year	\$0	\$0	\$0	0.00%
500-Year	\$0	\$0	\$0	0.00%



<b>Tornado</b>				
100-Year	\$35,033,056	\$36,492,311	<b>\$71,525,367</b>	3.32%
500-Year	\$96,618,554	\$114,844,590	<b>\$211,463,144</b>	9.81%

# Hazard Mapping









