

Ford Heights

Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
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Jurisdiction Profile

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

Date of Incorporation: 1949

Current Population: The 2021 U.S. Census estimate indicated the population was 1,772. ([City-Data](#))

Population Growth: The overall population has decreased 34.50 percent between 2018 and 2021.

Location and Description: Twenty-six miles south of the Chicago Loop, the Village of Ford Heights sits on a rise of land that stretches northeast into areas along Deer Creek. The Village is bordered by Lynwood to the east, South Chicago Heights to the south, Chicago Heights to the west, and Glenwood to the north. Interstate 394 runs along the eastern border of the Village, while Lincoln Highway is the main east-west corridor.

Brief History: The area that would eventually become Ford Heights was first settled in the late 1840s. It served as a stopping point on the Underground Railroad for runaway slaves fleeing to freedom. By the early 20th century, the area had developed into an agricultural community of farms operated mostly by Polish, Lithuanian, and Italian Americans. After World War I, African Americans from the Southern U.S. migrated to the area and worked on the farms.

Climate: Ford Heights's weather is typical for the Midwest area. The warmest average month is July with the highest temperature of 103 °F being experienced in 1988. The coolest average month is January with the lowest temperature being -27 °F in 1985. It does receive its share of Lake effect snow during the winter season. And the highest average precipitation occurs in the month of June.

Governing Body Format: The Village of Ford Heights is governed by a Mayor/President, Village Clerk and 6 Trustees all serving 4-year terms. This body of Government will assume the responsibility for the adoption and implementation of this plan. The Village consists of a Clerks Office, a Public Works Department, Volunteer Fire Department, and a Building Department.

Development Trends: The Village of Ford Heights has experienced little in the recent past in terms of development. Partly because of the population decreases over the years and very little commercial activity, the Village has a limited financial base for local government initiatives. However, in recent years, the Village has been able to secure grant funding for several initiatives, including the building of an indoor recreation center and the development of an outdoor park. According to a September 2018 Call for Projects report, "Frequently cited as one of the most impoverished communities in Illinois, the Village of Ford Heights' approximately 2,800 residents face a variety of interrelated economic, infrastructure, housing, and environmental challenges. These challenges include, among others: population loss, a limited tax base; difficulties in attracting and retaining businesses; degraded transportation, water, and stormwater infrastructure; blighted neighborhoods; crime; and urban flooding. Despite these many challenges, with new leadership, a dedicated staff, as well as volunteers, and committed residents, Ford Heights is working to tackle its legacy issues. Fueled by a new vision for the future of the community, Ford Heights' residents and leaders have taken significant steps towards envisioning and realizing "Ford Heights 2.0." In January 2018, Mayor Coulter engaged Antero Group to implement Envision Ford Heights, a community planning and revitalization effort aimed at identifying, reactivating, connecting, and leveraging the Village's assets in ways that create long-term economic opportunities, and that enhance the resilience of Ford Heights and surrounding Southland communities."

Changes in Community Priorities: There have been no significant changes in priority regarding the hazards that could potentially impact the community or changes in priority regarding resilience.

Capability Assessment

The assessment of the jurisdiction's legal and regulatory capabilities is presented in the *Legal and Regulatory Capability Table* below. The assessment of the jurisdiction's fiscal capabilities is presented in the *Fiscal Capability Table* below. The assessment of the jurisdiction's administrative and technical capabilities is presented in the *Administrative and Technical Capability Table* below. Information on the community's National Flood Insurance Program (NFIP) compliance is presented in the *National Flood Insurance Program Compliance Table* below. Classifications under various community mitigation programs are presented in the *Community Classifications Table* below.

TABLE: LEGAL AND REGULATORY CAPABILITY					
	Local Authority	State or Federal Prohibitions	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements					
Building Code	Yes	No	No	Yes	In accordance with Public Act 096-0704, Illinois has adopted the IBC as its state Building Code. Codified 2009

Zonings	Yes	No	No	Yes	(65 ILCS 5/) Illinois Municipal Code. Chapter 56 of Municipal Code, 2009
Subdivisions	No	No	No	No	
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	No	No	No	No	Review required by subdivision control ordinance.
Public Health and Safety	No	No	Yes	Yes	Cook County Department of Health
Environmental Protection	No	No	No	Yes	IEPA
Planning Documents					
General or Comprehensive Plan	No	No	No	No	
<i>Is the plan equipped to provide integration to this mitigation plan?</i>					N/A
Floodplain or Basin Plan	No	No	Yes	Yes	The Village refers to FEMA 2008 Flood Maps & MWRD. Ordinance Chapter 34 Articles 1-4.
Stormwater Plan	No	No	Yes	No	Regional stormwater impacts are managed by MWRD. The Village lies within the Little Calumet River

					watershed planning area of MWRD's comprehensive Stormwater Master Planning Program.
Capital Improvement Plan	No	No	No	No	
<i>What types of capital facilities does the plan address?</i>					N/A
<i>How often is the plan revised/updated?</i>					N/A
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	No	No	Yes	Yes	Cook County EMRS (Note: This plan is part of our Police Departments Policy & Procedures however nothing has been board approved. Per our Police Chief.)
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County EMRS Preparing THIRA
Terrorism Plan	No	No	Yes	No	Cook County EMRS Preparing THIRA

Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	No	No	Yes	Yes	Cook County EMRS
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	No
Authority to Levy Taxes for Specific Purposes	No
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	Unknown
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	Yes

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	Building Department Commissioner & Village Engineering Firm
Engineers or professionals trained in building or infrastructure construction practices	Yes	Village Engineering Firm Building Department Commissioner & Public Works Department
Planners or engineers with an understanding of natural hazards	Yes	Village Engineering Firm & Public Works Director
Staff with training in benefit/cost analysis	Yes	No Village Staff however Village Engineering Firm Does
Surveyors	Yes	Village Engineers
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 EMRS
Grant writers	Yes	Village Engineering Firm and Village Staff

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

What department is responsible for floodplain management in your jurisdiction?	Building Department, Public Works & Village Engineering Firm
Who is your jurisdiction's floodplain administrator? (department/position)	Building Department Commissioner/Public Works Director
Are any certified floodplain managers on staff in your jurisdiction?	No

What is the date of adoption of your flood damage prevention ordinance?	2008
When was the most recent Community Assistance Visit or Community Assistance Contact?	09/28/2007
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, 2008
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. Training is always appreciated.
Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?	No; Undecided

NFIP Participation Activities

Maintaining compliance under the NFIP is an important component of flood risk reduction. All planning partners that participate in the NFIP have identified actions to maintain their compliance and good standing. Cook County entered the NFIP on April 15, 1981. Structures permitted or built in the County before then are called “pre-FIRM” structures and structures built afterward are called “post-FIRM.” The insurance rate is different for the two types of structures. The effective date for the current countywide FIRM is August 19, 2008. This map is a DFIRM (digital flood insurance rate map). The communities in Cook County that participate in the NFIP are shown in **Table: NFIP Participating Communities in Cook County** in **Volume I** of the Cook County MJ-HMP.

The NFIP makes federally-backed flood insurance available to homeowners, renters, and business owners in participating communities. The communities in Cook County that participate in the NFIP and their "Policies in Force," "Total Coverage," and "Total Written Premiums" are shown in **Table: Cook County Flood Insurance Policies** in **Volume I** of the Cook County MJ-HMP.

Substantial Improvement Rule and the Substantial Damage Rule

The IDNR/OWR has developed a model ordinance for floodplain management, which has been adopted by most communities in Illinois. The ordinance includes the minimum requirements an NFIP participating jurisdiction must adopt and enforce, as well as additional higher regulatory requirements. The optional, higher regulatory standards include a minimum one foot of freeboard above the base flood elevation and cumulative tracking of damage repairs and improvements to establish substantial damage and substantial improvement compliance. Some jurisdictions have chosen to exceed the requirements of the model ordinance and have adopted more restrictive ordinances. This is most common in the communities in northeastern Illinois.

Existing Municipal Code:

Sec. 18-124 Definitions:

Substantially damaged means:

- (1) A building that has been damaged by any cause (fire, flood, earthquake, etc.) whereby the cost of restoring the building to its before-damaged condition would equal or exceed 50 percent of the market value of the building before the damage occurred.

(2) A building that has been damaged by a flood on two separate occasions during a ten-year period for which the cost of repairs at the time of each such flood event, on average, equals or exceeds 25 percent of the market value of the building before the damage occurred.

Substantially improved means a building that has been remodeled, repaired, added to, or otherwise improved whereby the cost of the project equals or exceeds 50 percent of the market value of the building before the improvement is started. The cost of the project is based on the prevailing costs of labor, equipment, and supplies, even if some of these are donated or obtained at reduced rates.

(1) The term "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the building regardless of the actual work performed.

(2) The term "substantial improvement" does not include either:

- a. Any project for improvement of a building to comply with existing state or local health, sanitary, or safety code specifications which are solely necessary to ensure safe living conditions; or
- b. Any alteration of a historic building, provided that the alteration will not preclude the building's continued designation as a historic building.

Sec. 18-405 Requirements in all Special Flood Areas

All development projects in all types of special flood hazard areas shall comply with this section. Development proposed in floodways and SFHAs without regulatory floodplain data shall also comply with the additional requirements of subdivisions IV and V of this division.

Sec. 18-409 Protecting Buildings:

(a) All new buildings and improvements and repairs to buildings located within the SFHA shall be protected from flood damage below the flood protection elevation (FPE).

(b) This building protection requirement applies to the following situations:

- (1) Construction or placement of a new building.
- (2) Remodeling or other activity that will result in a substantially improved building.
- (3) An addition that will result in a substantially improved building.
- (4) An existing building that has been substantially damaged.
- (5) Installing a manufactured home on a new site or a new manufactured home on an existing site. These building protection requirements do not apply to returning a manufactured home to the same site it lawfully occupied before it was removed to avoid flood damage.
- (6) Installing a recreational vehicle or travel trailer on a site for more than 180 days.
- (7) Construction of new buildings and substantial improvements in the 500-year floodplain.

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

TABLE: COMMUNITY CLASSIFICATIONS

	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Yes	Unknown	Unknown
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	No	N/A	N/A

Opportunities to Expand and Improve Capabilities

Opportunities to expand and improve capabilities include improved GIS records of existing underground utilities (water, sanitation, storm).

Plan Integration

The capability assessment describes opportunities to "link" or integrate the mitigation plan into other planning mechanisms. The process and mechanism to identify opportunities to integrate the Cook County MJ-HMP into other planning mechanisms will occur during the Annual Update Process and be reflected in the Jurisdictional Annual Report each year. Specific plan integration opportunities will include:

- The hazards, goals, and actions of the Hazard Mitigation Plan will be considered in the next update of the jurisdiction's land use plans, zoning, and subdivision codes.

Emergency Plan Integration:

Cook County EMRS supports communities to develop and update their respective Emergency Operations Plans, Continuity of Operations Plans/Continuity of Government Plans, and Recovery Plans in 2024. This is an ongoing countywide initiative and is being implemented in all municipalities.

Emergency Operations Plan (EOP)

An EOP template was created for all municipalities. The 2019 Cook County MJ-HMP and the hazards in the mitigation plan have been integrated into the Situation and Assumptions section of the EOP. Within that section, the natural hazards based on the 2019 MJ-HMP were added in the Initial Analysis and Assessment and Identification of Hazards section of the EOP. The hazards in the 2019 plan and the 2024 MJ-HMP did not change apart from adding wildfires for the Forest Preserve and unincorporated areas of the County. Future updates of the EOP will take into consideration any additional new natural hazards that are added to subsequent updates to the MJ-HMP.

Continuity of Operations Plan (COOP)

The Continuity of Operations Plan (COOP) for the municipality includes a Situation section that is based on the 2019 Cook County MJ-HMP jurisdictional annex, and specifically the hazards identified in the annex. The COOP-specific risk assessment is hazard-specific and based on the likelihood of occurrence and severity of impact.

Recovery Plan

The goals of the Recovery Plan were developed to align with the 2019 Cook County MJ-HMP, and specifically prioritize the responsibility of officials under this plan to save lives, protect property,

relieve human suffering, sustain survivors, repair essential facilities, restore services, and protect the environment. The plan acknowledges that hazard mitigation is an important priority and consideration during the rebuilding process.

Jurisdiction-Specific Natural Hazard Event History

The information provided below was solicited from the jurisdiction and supported by NOAA and other relevant data sources.

The *Natural Hazard Events Table* lists all past occurrences of natural hazards within the jurisdiction. Repetitive flood loss records are as follows:

- Number of FEMA-Identified Repetitive Loss Properties: 9 (8 Single Family, 1 Two-Four Family Residence)
- Number of FEMA-Identified Severe Repetitive Loss Properties: 1 (1 Single Family)
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

Federal Disasters Declared

Disaster Declaration Number	Date Declared	Event
DR-227	4/25/1967	Tornado
DR-351	9/4/1972	Flood
DR-373	4/26/1973	Flood
DR-509	6/18/1976	Severe Storm(s)
DR-643	6/30/1981	Severe Storm(s)
DR-776	10/7/1986	Flood
DR-798	8/21/1987	Flood
DR-997	7/9/1993	Flood
DR-1129	7/25/1996	Severe Storm(s)
DR-1188	9/17/1997	Severe Storm(s)
DR-1729	9/25/2007	Severe Storm(s)
DR-1800	10/3/2008	Severe Storm(s)
DR-1935	8/19/2010	Severe Storm(s)
DR-1960	3/17/2011	Snow
EM-3068	1/16/1979	Snow
EM-3134	1/8/1999	Snow
EM-3161	1/17/2001	Snow
EM-3230	9/7/2005	Hurricane – Katrina Evacuation
EM-3435	3/13/2020	Biological
DR-4116	5/10/2013	Flood
DR-4489	3/26/2020	Biological
DR-4728	8/15/2023	Severe Storm(s)
DR-4749	11/20/2023	Flood

State Disaster Declarations

Date Declared	Event
7/26/2010	Severe Storms, High Winds, Torrential Rain

1/31/2011	Winter Weather
4/25/2011 5/25/2011	High Wind, Tornadoes, Torrential Rain
4/18/2013 4/20/2013 4/21/2013 4/25/2013 4/30/2013	Severe Storms, Heavy Rainfall, Flooding, Straight-line Winds
1/6/2014	Heavy Snowfall, Frigid Temperatures
7/12/2017 7/14/2017	Thunderstorms, Heavy Rainfall, Flooding
1/29/2019	Winter Storm
2/6/2020	Severe Storms
3/12/2020 – present (reissued monthly)	COVID-19
2/16/2021	Winter Storms
2/1/2022	Winter Storms
8/1/2022 (reissued monthly through 10/28/2022)	Monkeypox

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment/ Event Narrative
Severe Storms, Straight-Line Winds, Flooding	-	6/26/2019	-
Severe Storms, Straight-Line Winds, Flooding	-	2/21/2018	-
Severe Storms, Straight-Line Winds, Flooding	DR-4116	4/26/2013	-
Severe Winter Snowstorm	DR-1960	1/31/2011	-
Severe Storms and Flooding	DR-1935	7/19/2010	-
Severe Storms and Flooding	DR-1800	9/13/2008	-
Severe Storms and Flooding	DR-1729	8/20/2007	-
Illinois Flooding	DR-1188	8/16/1997	-
Illinois Flooding	DR-1129	7/17/1996	-
Tornado	-	1990	-

Jurisdiction-Specific Hazards: Vulnerabilities and Impacts

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2024 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

Earthquake: Aging and neglected infrastructure (water, storm, sanitary) could be susceptible to failure resulting in loss of service to residents or future failure of other infrastructure (roads).

Severe Weather: Ford Heights is at a moderate to high risk for hail and severe weather events frequently occur within and around the jurisdiction.

Severe Winter Weather: Ford Heights has experienced the impacts of severe winter weather - particularly in 2011 when a severe snowstorm that impacted Ford Heights and the rest of the region caused the governor to request a major disaster declaration.

Flooding: Although much of Ford Heights is mapped within zones with moderate risk of urban flooding, severe storms within the community and broader regional disasters have both caused numerous incidences of flooding in the past. Other jurisdictions close by to the North and West are mapped within zones that are highly susceptible to urban flooding. The parking lot at the shelter floods frequently during storm events. Many homes near Deer Creek are prone to flooding during storm events. Ford Heights continues to mitigate this hazard, especially to improve stormwater drainage.

Tornado: Ford Heights is at significant risk of tornadoes. According to records, the largest tornado in the Ford Heights area was an F5 in 1990 that caused 350 injuries and 29 deaths. The village is located adjacent to pen fields and palm fields allowing for a tornado to move easily to the village.

Indicator	Number	Percent
Families in poverty	426	21.3%
People with disabilities	1,508	17.2%
People over 65 years	1,033	11.8%
People under 5 years	564	6.4%
People of color	6,985	79.7%
Black	5,840	66.6%
Native American	0	0%
Hispanic	921	10.5%
Difficulty with English	57	0.7%
Households with no car	281	9.7%
Mobile homes	237	8.2%

Data are from the U.S. Census Bureau, American Community Survey. See methods for more information.

The community evaluated whether vulnerability, and subsequently the potential impacts, in hazard-prone areas had increased, decreased, or remained the same for each natural hazard identified in this Hazard Mitigation Plan. Climate change, infrastructure expansion, and economic shifts that can affect vulnerability were considered. For example, if planned development is in an identified hazard area or is not built to the updated building codes, it may increase the community's vulnerability to future hazards and disasters. On the other hand, if development occurred with mitigation practices in place, the vulnerability may have remained the same or decreased. Additionally, shifting demographics were taken into consideration when assessing development trends.

Jurisdiction-Specific Climate Change Vulnerability and Impacts

The table below outlines if climate change, as assessed by the local planning team, has increased or decreased the municipality's vulnerability/exposure, and thereby the potential impacts, to each natural hazard over the past five (5) years (**Current Vulnerability**), and the effect of climate change in the future probability of occurrence and impacts (**Future Vulnerability**) from each natural hazard.

Hazard	Vulnerability
Current Vulnerability	

Dam and Levee Failure	Not Applicable
Drought	Remained the Same
Earthquake	Remained the Same
Flood (Riverine, Urban, Shoreline)	Increased
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Remained the Same
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Increased
Tornado	Unknown
Wildfire (Wildfire Smoke)	Unknown

Hazard	Vulnerability
Future Vulnerability	
Dam and Levee Failure	No Change is Anticipated
Drought	No Change is Anticipated
Earthquake	No Change is Anticipated
Flood (Riverine, Urban, Shoreline)	Increase
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	No Change is Anticipated
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Increase
Tornado	Unknown
Wildfire (Wildfire Smoke)	Unknown

Jurisdiction-Specific Changes (or Expected Changes) in Development Trends in Hazard-Prone Areas

The table below outlines if development, as assessed by the local planning team, over the past five (5) years (**Current Vulnerability**) has increased or decreased the jurisdiction's vulnerability/exposure, and thereby the potential impacts, to these natural hazards, and the anticipated effects changes in development may have on the future probability of occurrence and impacts (**Future Vulnerability**) from these natural hazards.

Hazard	Vulnerability
Current Vulnerability	
Dam and Levee Failure	Not Applicable
Drought	Unknown
Earthquake	Remained the Same
Flood (Riverine, Urban, Shoreline)	Decreased
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Remained the Same
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Remained the Same
Tornado	Remained the Same
Wildfire (Wildfire Smoke)	Remained the Same

Hazard	Vulnerability
Future Vulnerability	
Dam and Levee Failure	No Change is Anticipated
Drought	Unknown
Earthquake	No Change is Anticipated

Flood (Riverine, Urban, Shoreline)	Decrease
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	No Change is Anticipated
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	No Change is Anticipated
Tornado	No Change is Anticipated
Wildfire (Wildfire Smoke)	No Change is Anticipated

Our community does not anticipate future major assets may be exposed or vulnerable to any of the natural hazards identified in this Hazard Mitigation Plan. Any new assets (e.g., new construction in hazard prone areas) will be constructed to adhere to the latest building codes and standards, and mitigation to protect them from identified and anticipated hazards, especially those that are expected to increase due to climate change.

Hazard Risk Ranking

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

TABLE: HAZARD RISK RANKING	
Rank	Hazard Type
1	Severe Weather
2	Severe Winter Weather
3	Flood
4	Tornado
5	Earthquake
6	Drought
7	Dam Failure
Note: The ranking of hazards was subjectively changed based on past experience	

New Mitigation Actions

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

Action F2.20

Mitigation Action #20: Deer Creek Flood Control Project					
Lead Agency/Department Organization: Antero Group/Engineering	Supporting Agencies/Organizations: Public Works	Estimated Cost: Medium	Potential Funding Source: Building Resilient Infrastructure and Communities (BRIC) Flood Mitigation Assistance (FMA) FEMA Public Assistance (PA)	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Dam and Levee Failure Flood (Rivervine, Urban, Coastal/Shoreline)
Year Initiated		2024			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,2,6			
Applicable Objective		4,6,9			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		Flood-prone homes along the creek would be flood proofed to prevent flooding during extreme storm events			

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	N

Ongoing Mitigation Actions

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

Action F2.1

Mitigation Action #1: Increase drainage/absorption capabilities of the Village by constructing detention and retention basins.					
Lead Agency/Department Organization: Village Administration, MWRD	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: General Fund, MWRD-Phase II	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flood, Severe Weather
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,2,3			
Applicable Objective		1,2,3,9,12,13			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action F2.2

Mitigation Action #2: The televising and repairing of all sanitary sewer lines and the rehabilitation/sealing of all sanitary structures throughout the Village to eliminate infiltration and stop sewer backups.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flood, Severe Weather
Year Initiated	2014				
Applicable Jurisdiction	Village of Ford Heights				
Applicable Goal	1,2,5				
Applicable Objective	1,2,9				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R	O				

= Want Removed from Annex; **X** = No Action Taken/Delayed

Action F2.3

Mitigation Action #3: Develop a community warming/cooling center that could also serve as a tornado shelter.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, BRIC, HMGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Severe Weather, Tornado
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,2,3			
Applicable Objective		5,8			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action F2.4

Mitigation Action #4: Participate in the Community Rating System.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,5			
Applicable Objective		3,4,5,6,7,9,10,11,13			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Low			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action F2.5

Mitigation Action #5: Develop and maintain a GIS database to track community vulnerability and exposure in known hazard areas.

Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term and Ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,2,3,5			
Applicable Objective		1,2,5,6			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action F2.6

Mitigation Action #6: Developing and implementing a multi-hazard public awareness program.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date:	Hazard(s) Mitigated: All

				Short-term and Ongoing	
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,5			
Applicable Objective		6,8			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action F2.7

Mitigation Action #7: Develop a plan to protect infrastructure and critical facilities from natural hazards.					
Lead Agency/Department Organization: Village of Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, BRIC, HMGP	Estimated Projected Completion Date: Long Term	Hazard(s) Mitigated: All
Year Initiated		2014			

Applicable Jurisdiction	Village of Ford Heights
Applicable Goal	1,2,3,5
Applicable Objective	1,2,5
Cost Analysis (Low, Medium, High)	Medium
Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action F2.8

Mitigation Action #8: Complete a stormwater drainage study for known problem areas in the community.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood, Severe Weather
Year Initiated	2014				
Applicable Jurisdiction	Village of Ford Heights				
Applicable Goal	1,5				
Applicable Objective	3,13				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	Medium				

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action F2.9

Mitigation Action #9: Where appropriate, support retrofitting, purchasing, or relocating structures in hazard-prone areas to prevent future damage. Give priority to properties with exposure to repetitive losses.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: BRIC, HMGP	Estimated Projected Completion Date: Long-term (depending on funding)	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Village of Ford Heights				
Applicable Goal	2,3,4,5,6				
Applicable Objective	7,13				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:					

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action F2.10

Mitigation Action #10: Continue to support the countywide actions identified in this plan.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short- and Long-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Village of Ford Heights				
Applicable Goal	1,2,5				
Applicable Objective	All				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed;	O				

R = Want Removed from Annex; **X** = No Action Taken/Delayed

Action F2.11

Mitigation Action #11: Actively participate in the plan maintenance strategy identified in this plan.					
Lead Agency/Department Organization: EMRS, Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,2,5			
Applicable Objective		3,4,6			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action F2.12

Mitigation Action #12: Consider participation in incentive-based programs such as Tree City and StormReady.					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,2,5,6			
Applicable Objective		3,4,5,6,7,9,10,11,13			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action F2.13

Mitigation Action #13: 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.

Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term and Ongoing	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			
Applicable Goal		1,2,5			
Applicable Objective		4,6,9			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action F2.14

Mitigation Action #14: Where feasible, implement a program to record high water marks following high-water events					
Lead Agency/Department Organization: Village Administration	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund;	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding, Severe Weather

			FEMA Public Assistance (PA)		
Year Initiated	2014				
Applicable Jurisdiction	Village of Ford Heights				
Applicable Goal	1,5				
Applicable Objective	3,6,9				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action F2.15

Mitigation Action #15: Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.					
Lead Agency/Department Organization: Building Department Commissioner and Village Engineering Firm	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All

Year Initiated	2014
Applicable Jurisdiction	Village of Ford Heights
Applicable Goal	1,5
Applicable Objective	3,4,6,10,13
Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action F2.16

Mitigation Action #16: Consider developing and implementing a Capital Improvements Program (CIP) to increase the Village's regulatory, financial, and technical capability to implement mitigation actions.					
Lead Agency/Department Organization: Public Works	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: CIP component of General Fund (if implemented)	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		Village of Ford Heights			

Applicable Goal	1,5
Applicable Objective	1,2,7
Cost Analysis (Low, Medium, High)	High
Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action F2.17

Mitigation Action #17: Update Website with information on Emergency Information and provide Links to Cook County EMRS website					
Lead Agency/Department Organization: Village Administrations	Supporting Agencies/ Organizations: EMRS	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2019				
Applicable Jurisdiction	Village of Ford Heights				
Applicable Goal	2,6				
Applicable Objective	6				
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.				

Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Increase community awareness and understanding of emergency preparedness and prevention 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.
Action/Implementation Plan and Project Description:	Ford Heights will update its website with information related to Emergencies (prevention, preparedness, hazard mitigation, and response). It will also direct residents and site visitors to the Cook County DHSEM website for further information regarding emergencies and hazard mitigation programs.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action F2.18

Mitigation Action #18: Flood Control Project at Deer Creek					
Lead Agency/Department Organization: MWRD	Supporting Agencies/Organizations: Village Administration	Estimated Cost: \$3,440,000	Potential Funding Source: HMGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flood
Year Initiated	2019				
Applicable Jurisdiction	Village of Ford Heights				
Applicable Goal	5				
Applicable Objective	9				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	High				

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	ID: DRCR-G1 Contract: 10-884-BF Watershed: Little Cal River Location: Ford Heights, IL Description: Improves channel conveyance and raising a berm approximately 3,000 feet, between U.S. Route 30 and Hammond Lane, within the Village of Ford Heights. Includes the construction of vegetated berm, stabilization of bank slopes, placement of pools and rock riffles, and planting of diverse native landscaping.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Completed Actions

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

Completed Action Items
Ford Heights Green Streets Project

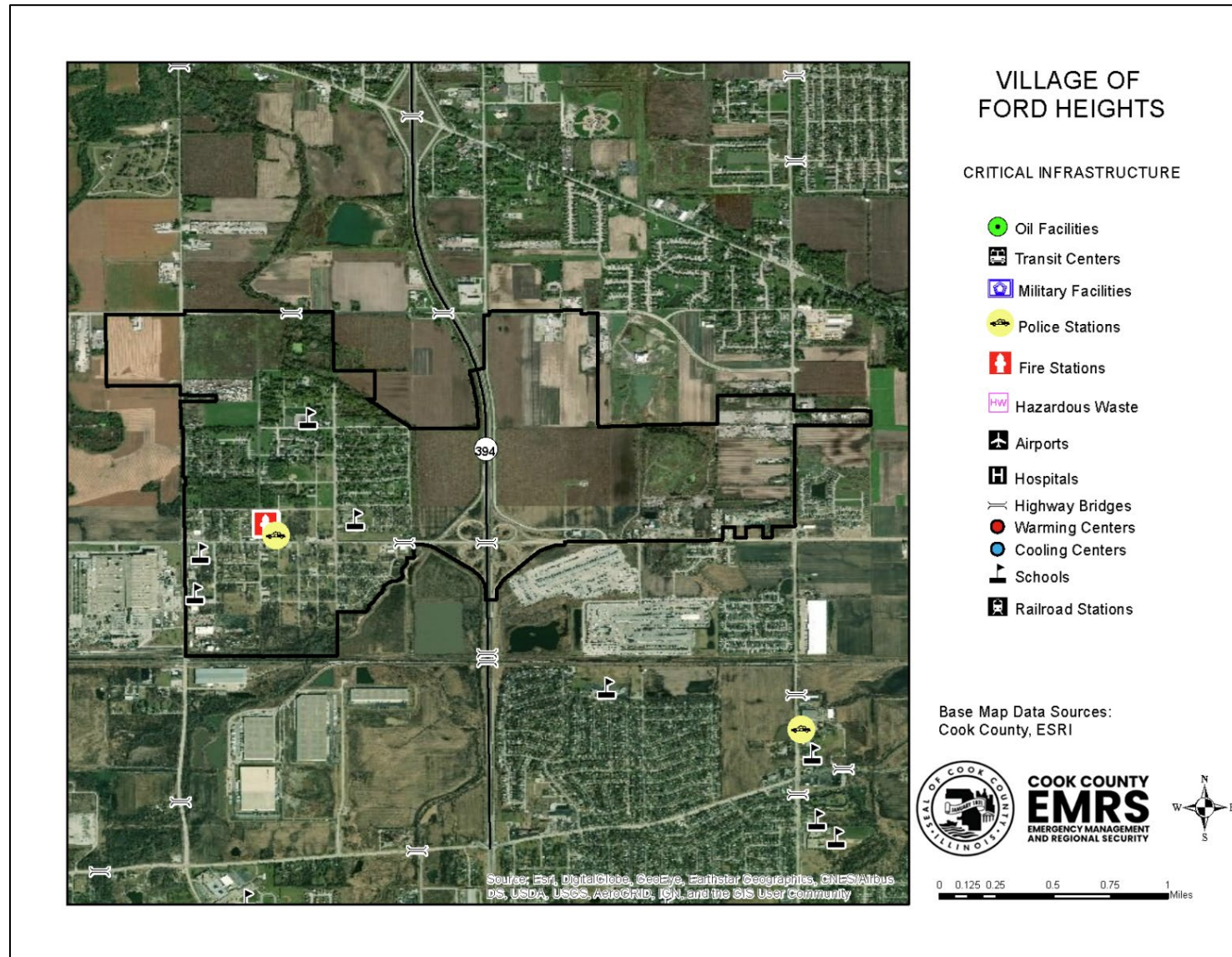
Future Needs to Better Understand Risk/Vulnerability

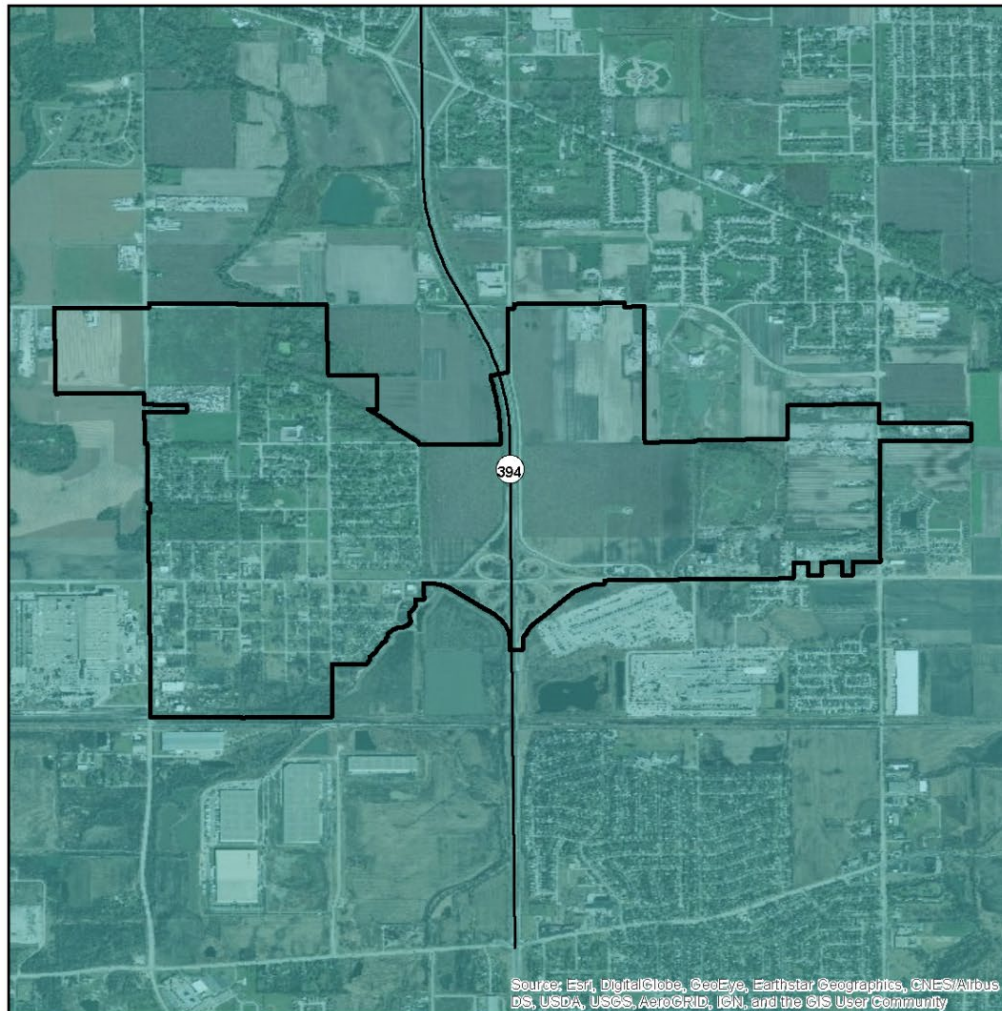
No needs have been identified at this time.

Additional Comments

No additional comments at this time.

Hazard Mapping





VILLAGE OF FORD HEIGHTS

PEAK GROUND ACCELERATION FOR A 100 YEAR EARTHQUAKE EVENT

Mercalli Scale, Potential Shaking

II-III Weak

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

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

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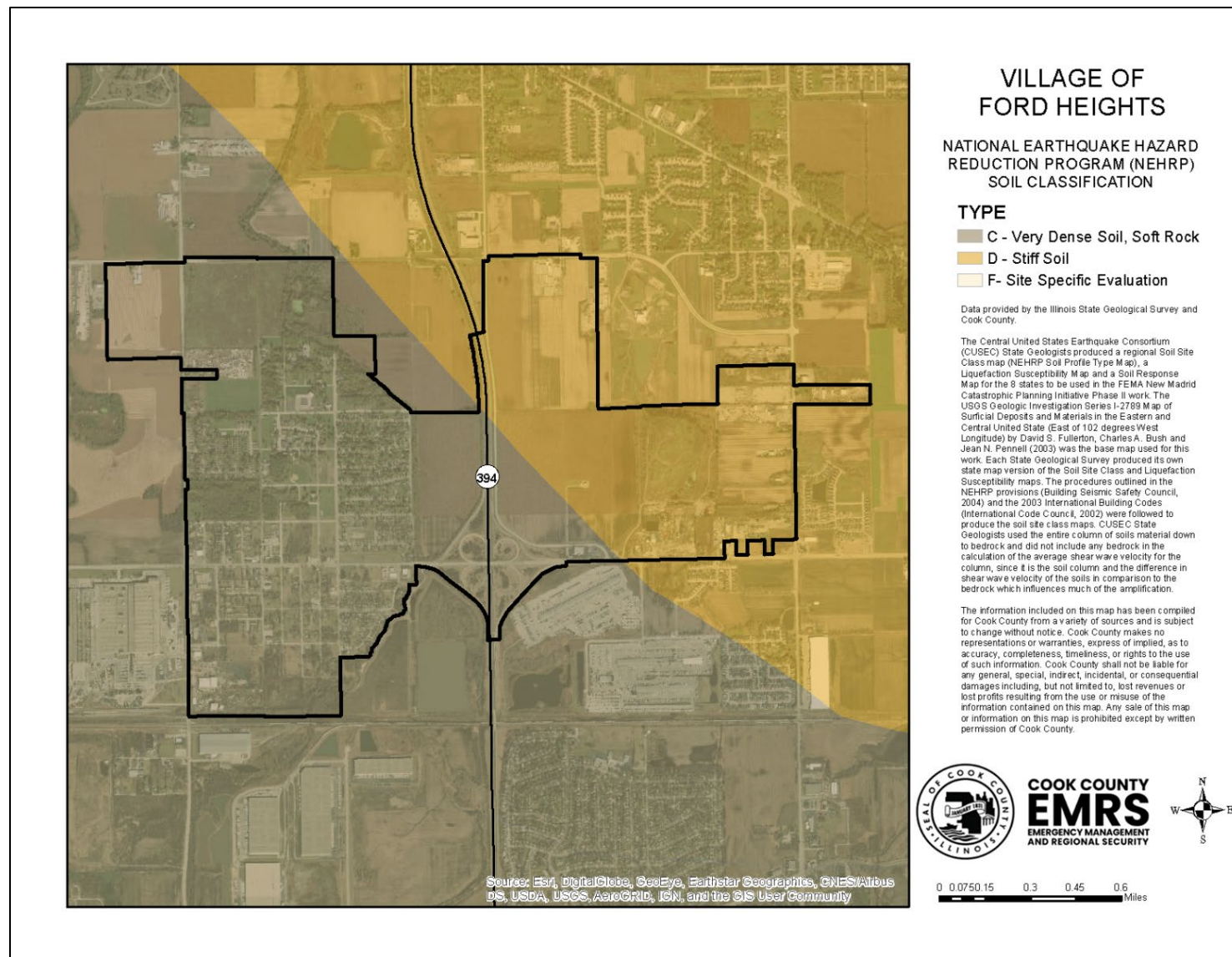
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



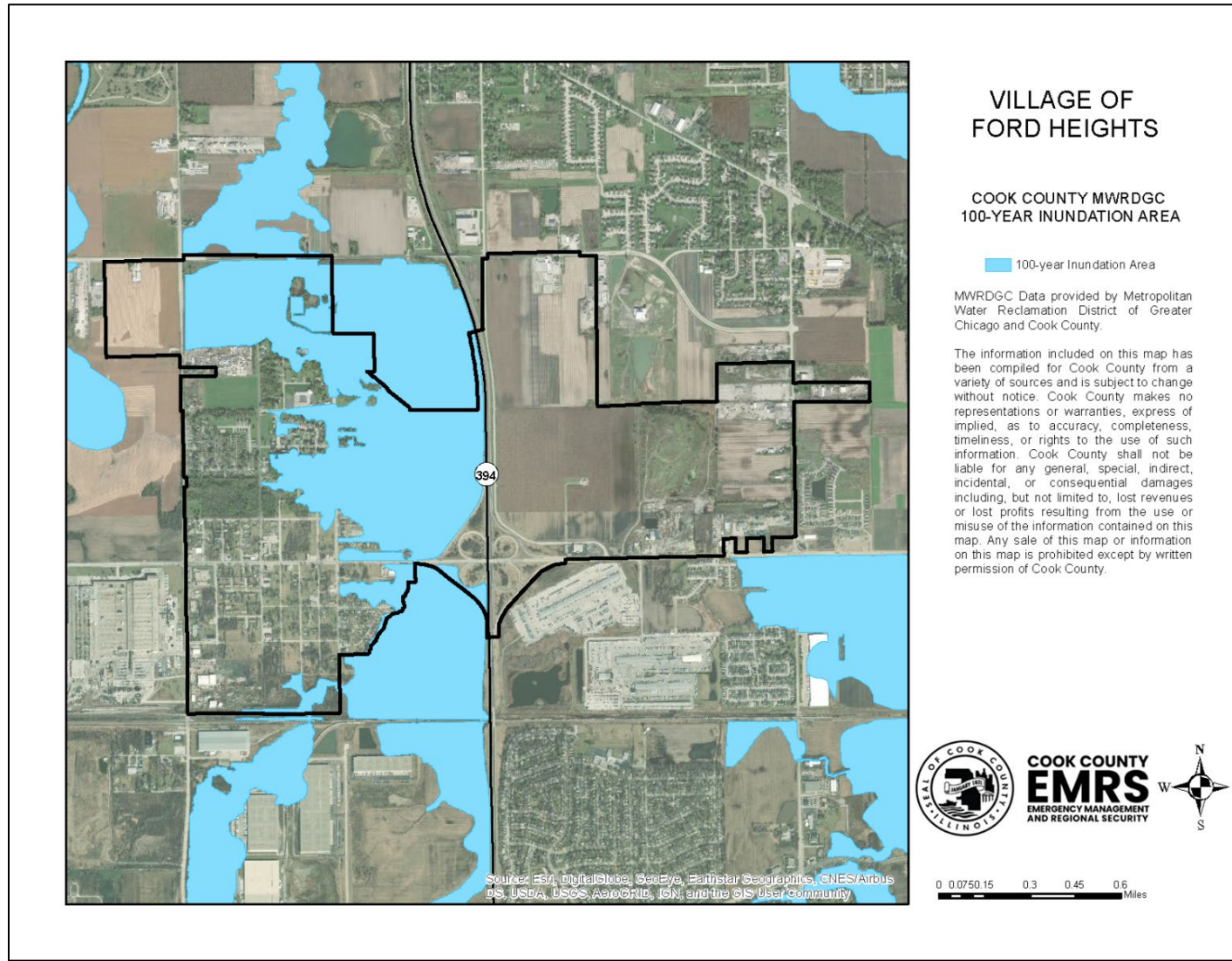
COOK COUNTY
EMRS
EMERGENCY MANAGEMENT
AND REGIONAL SECURITY

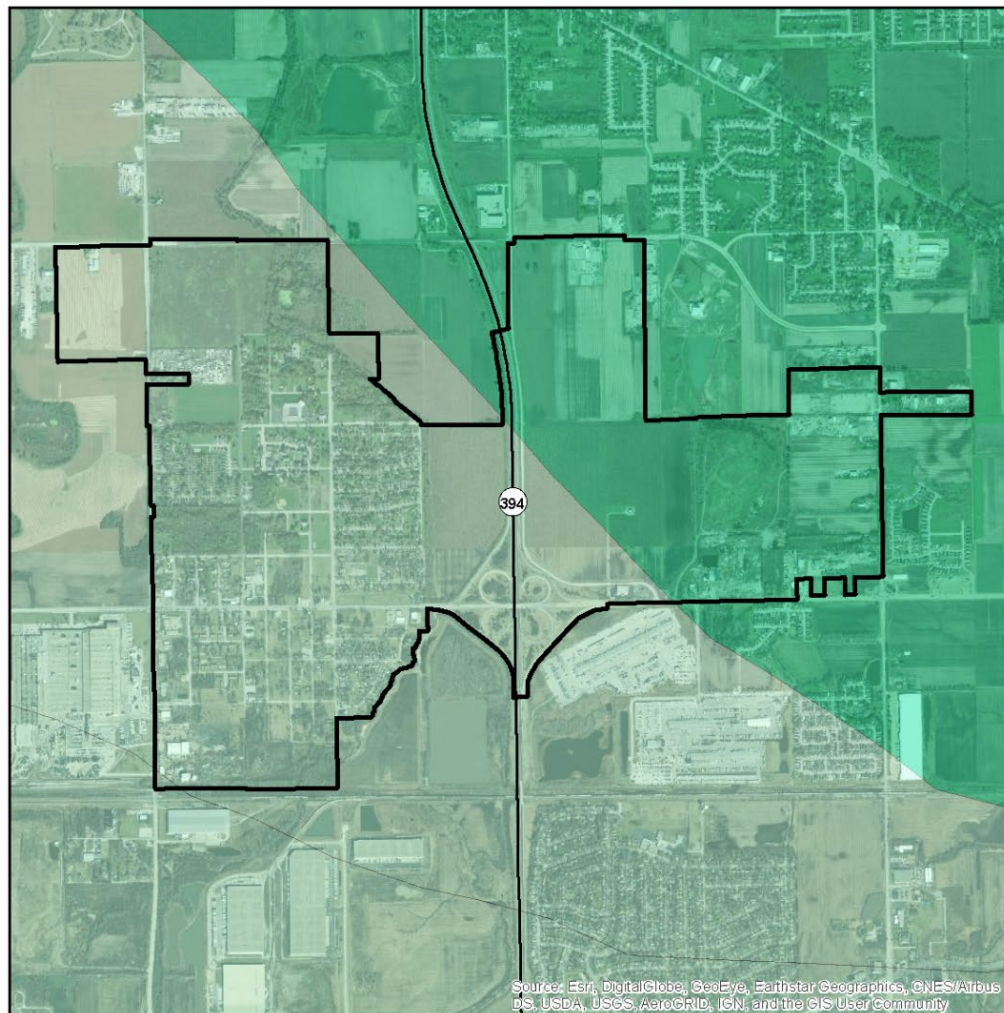


0 0.125 0.25 0.5 0.75 1 Miles



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





VILLAGE OF FORD HEIGHTS

LIQUEFACTION SUSCEPTIBILITY

LIQUEFACTION SUSCEPTIBILITY

- high
- low
- very low

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

The Central United States Earthquake Consortium (CUSEC) State Geologists produced a regional Soil Site Class map (NEHRP Soil Profile Type Map), a Liquefaction Susceptibility Map and a Soil Response Map for the 8 states to be used in the FEMA New Madrid Catastrophic Planning Initiative Phase II work. The USGS Geologic Investigation Series I-2789 Map of Surficial Deposits and Materials in the Eastern and Central United States (East of 102 degrees West Longitude) by David S. Fullerton, Charles A. Bush and Jean N. Pennell (2003) was the base map used for this work. Each State Geological Survey produced its own state map version of the Soil Site Class and Liquefaction Susceptibility maps. The procedures outlined in the NEHRP provisions (Building Seismic Safety Council, 2004) and the 2003 International Building Codes (International Code Council, 2002) were followed to produce the soil site class maps. CUSEC State Geologists used the entire column of soils material down to bedrock and did not include any bedrock in the calculation of the average shear wave velocity for the column, since it is the soil column and the difference in shear wave velocity of the soils in comparison to the bedrock which influences much of the amplification.

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COOK COUNTY
EMRS
EMERGENCY MANAGEMENT
AND REGIONAL SECURITY



0 0.075 0.15 0.3 0.45 0.6
Miles

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

