

Rolling Meadows

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: February 26, 1955

Current Population: The 2020 U.S. Census population was 24,200. The 2022 U.S. Census estimate indicated the population was 23,564.

Population Growth: The overall population has decreased by 0.77% between 2018 and 2022.

Location and Description: Rolling Meadows is a northwestern suburb of Chicago in Cook County, 28 miles from the Chicago Loop. Rolling Meadows consists of approximately 5.5 square miles of generally level topography with a few small lakes, ponds, retention areas, streams and creeks. Adjacent suburbs to Rolling Meadows are: Palatine to the north and west, Schaumburg to the south, and Mt. Prospect to the east. The City primarily is a residential community; however, within its boundary lays individual and contiguous industrial complexes, medical care facilities, retail shopping, and a number of commercial establishments. Within these facilities lies a risk of a significant hazardous materials incident which could impact the surrounding residential community.

Brief History: The land was originally farmland, until post WWII housing construction began in the 1950s. In 1953, the first families moved into the development, which was eventually named Rolling Meadows. Rolling Meadows incorporated in 1955 as a city named for its gently rolling terrain and soon began annexing land for future development. The town boomed during the 1950s and 1960s as businesses moved into the area. An industrial park opened on the north side of the city in 1958, and since then several additional industrial parks have opened on the south side of the city. Developers inundated the area with apartment buildings, and by 1970 multifamily dwellings made up 35 percent of the total structures in Rolling Meadows. Single-family housing continued to flourish in Rolling Meadows as developers utilized the natural wooded setting for the several subdivisions. To the south on Golf Road, major corporations have established bases in what has become known as the Golden Corridor.

Climate: The climate of Rolling Meadows and the Chicago area is classified as humid continental, with all four seasons distinctly represented: wet springs; hot and humid summers; pleasant

autumns; and cold winters. Annual precipitation is average, and reaches its lowest points in the months of January and February, and peaks in the months of May and June. Winter proves quite variable. Seasonal snowfall in the Village has ranged from 9 – 90 inches. The daily average temperature in January at Midway Airport is 24.8 °F (-4.0 °C), and temperatures often stay below freezing for several consecutive days or even weeks in January and February. Temperatures drop to or below 0 °F (-18 °C) on 5.5 nights annually at Midway and 8.2 nights at O’Hare. Spring in the Chicago area is perhaps the areas wettest and unpredictable season. Winter like conditions can persist well into April and even occasionally into May. Thunderstorms are especially prevalent in the spring time as the areas lakeside location makes it a center of conflicts between large volumes of warmer and colder air, triggering many kinds of severe weather. Temperatures vary tremendously in the springtime; March is the month with the greatest span between the record highs and lows. On a typical summer day, humidity is usually moderately high and temperatures ordinarily reach anywhere between 78 and 92 °F (26 and 33 °C). The extreme heat that the Chicago area is capable of experiencing during the height of the summer season can persist into the autumn season. Temperatures have reached 100 degrees high and subzero lows below -18 °C. Fall can bring heavy thunderstorms, many of which are capable of producing flooding. The average first accumulating snow occurs around Nov 19.

Governing Body Format: The City of Rolling Meadows is governed by an 8-member City Council. This body of Government will assume the responsibility for the adoption and implementation of this plan. The City consists of six departments: Finance, Fire, Police, Public Works, Community Development, and Administration. The City has ten Boards and Commissions.

Development Trends: The City of Rolling Meadows has a number of development opportunities coming up in the next few years. The former Arlington Park Racetrack site will provide Rolling meadows with opportunities for redevelopment in and around that tract of land. The City is planning a subarea study on the best ways to move forward and develop this land. Rolling Meadows also anticipates a \$10 Million redevelopment of a former Sam’s Club site into an Asian-Centric retail and entertainment center, as well as a \$100 Million redevelopment of the Atrium Corporate Center as an industrial park. Lastly, the City is planning a comprehensive rebranding initiative of city logos and symbols.

Changes in Community Priorities: Updated code sections, enhanced building codes for construction.

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 10-49: Updated to 2018 Codes
Zonings	Yes	No	No	Yes	(65 ILCS 5/) Illinois Municipal Code. 20-47 Adopted 11/2020
Subdivisions	Yes	No	No	No	17-19 2017 last update
Stormwater Management	Yes	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA. Under the authority of MWRD. 09-17 : 4/28/2009
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	Sec. 122 : 1972
Public Health and Safety	Yes	No	Yes	No	Cook County Board of Health. Code 1967 § 10
Environmental Protection	No	No	No	No	
Planning Documents					
General or Comprehensive Plan	Yes	No	No	No	Code 1967 § 14-18 Updated 4/2023
<i>Is the plan equipped to provide integration to this mitigation plan?</i>					No

Floodplain or Basin Plan	Yes	No	Yes	No	46-26 on 6/10/97
Stormwater Plan	Yes	No	Yes	No	Regional storm water impacts are managed by MWRD. The City lies within Upper Salt Creek and Lower Des Plaines watershed planning areas of MWRD's comprehensive Storm Water Master Planning Program.
Capital Improvement Plan	Yes	No	No	No	The Capital Improvement Committee is charged with reviewing all capital improvement related programs. Resolution 12-R-81—9/25/12
<i>What types of capital facilities does the plan address?</i>					All Infrastructure
<i>How often is the plan revised/updated?</i>					Yes, Annually
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	Yes	No	Yes	Yes	The Economic Development Committee is charged with reviewing all economic development related programs and incentives including tax incentives offered through the Cook County 6b program. Code 1967 § 14-33

Shoreline Management Plan	No	No	No	No	
Response/Recovery Planning					
Comprehensive Emergency Management Plan	Yes	Yes	No	No	Yes
Threat and Hazard Identification and Risk Assessment	No	No	No	Yes	No
Terrorism Plan	Yes	Yes	No	No	Yes
Post-Disaster Recovery Plan	Yes	Yes	No	No	Yes
Continuity of Operations Plan	Yes	Yes	No	No	No
Public Health Plans	Yes	Yes	No	No	No

TABLE: FISCAL CAPABILITY	
Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	Yes
Withhold Public Expenditures in Hazard-Prone Areas	Yes
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY		
Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Community Development
Engineers or professionals trained in building or infrastructure construction practices	Yes	Community Development
Planners or engineers with an understanding of natural hazards	Yes	Community Development
Staff with training in benefit/cost analysis	Yes	Finance
Surveyors	Yes	Public Works/Community Development Department

Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	Yes	Public Works/Community Development Department
Emergency manager	Yes	Pub. Works/Police/Fire/Administration
Grant writers	Yes	Police/Finance, Public Works

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Public Works
Who is your jurisdiction’s floodplain administrator? (department/position)	Public Works Director
Are any certified floodplain managers on staff in your jurisdiction?	Yes-City Engineer
What is the date of adoption of your flood damage prevention ordinance?	1997
When was the most recent Community Assistance Visit or Community Assistance Contact?	Unavailable
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

NFIP Participation Activities

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

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

The following are NFIP-related activities completed by our community:

- Our staff provide the following services: permit reviews, GIS, inspections, engineering capability.
- My community's Floodplain Administrator is a Certified Floodplain Manager (CFM).
- My community teaches property owners or other stakeholders about the importance of flood insurance through public outreach events, workshops, and/or seminars.
- Our community enforces local floodplain regulations and monitors compliance.

- Our floodplain development regulations meet or exceed Federal Emergency Management Agency (FEMA) or State minimum requirements.
- Our 3rd Party Engineer Christopher Burke, who is the City Engineer hosts the CFMs.

Further details include:

- Updates codes, plan review, permit reviews, GIS, Inspections, Third Party Engineer
- Regulations based on local flood plans/planning
- FEMA requirements with plan review

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. 46-61 Definitions

Substantial improvement means any repair, reconstruction or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either, (i) before the improvement or repair is started, or (ii) if the structure has been damaged and is being restored, before the damage occurred. For the purpose of this definition, substantial improvement is considered to occur when the first alteration of any wall, ceiling, floor or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure. The term does not, however, include either:

- (1) Any project for improvement of a structure to comply with existing state or local health, sanitary or safety code specifications which are solely necessary to ensure safe living conditions; or
- (2) Any alteration of a structure listed on the National Register of Historical Places or a state inventory of historic places.

Sec. 46-64 Duties of the Enforcement Official

The community development director shall be responsible for the general administration and enforcement of this article, which shall include the following:

- (1) *Determining floodplain designation.* Check all new development sites to determine whether they are in a special *flood hazard area*; if they are in a special *flood hazard area*, determine whether they are in a *floodway*, *flood fringe*, or in a floodplain on which a detailed study has not been conducted which drains more than one square mile.
- (2) *Professional engineer review.* If the development site is within a floodway or in a floodplain on which a detailed study has not been conducted which drains more than one square mile, the permit

shall be referred to a registered professional engineer under the employ or contract of the city for review to ensure that the development meets the requirements of section 46-67. For an appropriate use, the professional engineer shall state, in writing, that the development meets the requirements of section 46-67. The cost of this review shall be paid by the developer or applicant.

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

	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	4	1/2014
Public Protection/ISO	Yes	ISO-2	2/2022
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	Yes	Active	4/15/2012

Opportunities to Expand and Improve Capabilities

Opportunities to expand and improve capabilities include developing a strategy to identify and set aside municipal funds to assist with the 25% cost match for FEMA HMA mitigation grants.

Due to the technical expertise needed to develop grant applications and benefit cost analyses for FEMA HMA grants, the City of Rolling Meadows has a need for additional qualified grant writers to assist in the development and management of these grants.

Plan Integration

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

- The goals and actions of the Hazard Mitigation Plan will be considered in the next capital improvement planning process.
- The hazards, goals, and actions of the Hazard Mitigation Plan will be considered in the next update of the Comprehensive Plan.
- The hazards, goals, and actions of the Hazard Mitigation Plan will be considered in the next update of the jurisdiction’s land use plans, zoning, and subdivision codes.

Emergency Plan Integration:

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

Emergency Operations Plan (EOP)

An EOP template was created for all municipalities. The 2019 Cook County MJ-HMP and the hazards in the mitigation plan have been integrated into the Situation and Assumptions section of the EOP. Within that section, the natural hazards based on the 2019 MJ-HMP were added in the Initial Analysis

and Assessment and Identification of Hazards section of the EOP. The hazards in the 2019 plan and the 2024 MJ-HMP did not change apart from adding wildfires for the Forest Preserve and unincorporated areas of the County. Future updates of the EOP will take into consideration any additional new natural hazards that are added to subsequent updates to the MJ-HMP.

Continuity of Operations Plan (COOP)

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

Recovery Plan

The goals of the Recovery Plan were developed to align with the 2019 Cook County MJ-HMP, and specifically prioritizes the responsibility of officials under this plan to save lives, protect property, relieve human suffering, sustain survivors, repair essential facilities, restore services, and protect the environment. The plan acknowledges that hazard mitigation is an important priority and consideration during the rebuilding process.

Jurisdiction-Specific Natural Hazard Event History

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

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

- Number of FEMA-Identified Repetitive Loss Properties: 5 (5 Single Family)
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- 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

Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment/ Event Narrative
Severe Winter Weather	-	1/2019	-
		5/30/2018	In Rolling Meadows, people were stuck on the roofs of cars at an apartment complex on Arbor Drive. Standing water 12 to 18 inches deep was reported on Rohlwing Road between Kirchoff and Euclid and

			also between Industrial Highway and Route 14.
Severe Winter Weather	-	1/2014	-
Severe Winter Weather	-	12/2013	-
Severe Weather	-	6/2013	-
Severe Weather	-	12/2012	-
Severe Winter Weather	-	6/2012	-
Severe Weather	-	6/2012	-
Severe Weather	-	7/2011	In Rolling Meadows, the Carriageway area and Barker Lake areas were the hardest hit. Several streets were flooded with stranded and submerged vehicles.
Severe Winter Weather	-	1/2011	-
Severe Weather	-	4/2010	-
Flood		9/13/2008	A business in Rolling Meadows suffered significant flooding from two nearby retention ponds.
Severe Weather/Flood	-	8/2008	Meadow Drive was closed due to flooding. Widespread street flooding was reported throughout Rolling Meadows.
Severe Weather	-	8/2007	-
Severe Weather	-	6/2007	-
Flood	-	10/2006	-
Flood	-	10/2006	-
Severe Weather	-	10/2006	-
Severe Weather	-	7/2006	-
Severe Winter Weather	-	1/2005	-
Severe Winter Weather	-	1/2002	-
Severe Winter Weather	-	2/2000	-
Severe Winter Weather	-	1/1999	-
Wind		11/10/1998	Roof damage to office building
Drought	-	1995	-
Flood	-	1988	-
Flood	-	1987	-

Severe Winter Weather	-	1/1979	-
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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.

Dam/Levee Failure: Rolling meadows is downstream of Salt Creek.

Drought: Emergency backup wells are vulnerable.

Earthquake: Vulnerable locations include;

- Cook County Courthouse- old and concrete
- RM High School
- School District Buildings
- City Hall/Public Facilities
- Dialysis Centers
- Clearbrook Centers
- Route 53 dividing city
- Utilities
- Water Towers
- Water Concrete Storage facilities

Tornado: Water Pump Stations and Sanitary Lift Stations do not have emergency backup generators on site.

Flood and Severe Weather: We have experienced flooding at Salt Creek and ponds (Kennedy, Kimball Hill, Willow Bend/Lake Barker). Erosion is a major problem that is exasperating flooding issues. Additional areas of concern include undersized pipes, the level of Salt Creek, and Rywick Court.

Winter Weather: Winter weather can be dangerous for our elderly community (12.4% of the population is 65 or older and 1 major assisted living facility in the community).

Indicator	Number	Percent
Families in poverty	604	3.8%
People with disabilities	5,755	9.3%
People over 65 years	9,766	15.7%
People under 5 years	4,357	7%
People of color	23,746	38.2%
Black	2,098	3.4%
Native American	84	0.1%
Hispanic	11,297	18.2%
Difficulty with English	3,326	5.8%
Households with no car	1,201	4.7%
Mobile homes	17	0.1%

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

The community evaluated whether vulnerability, and subsequently the potential impacts, in hazard-prone areas had increased, decreased, or remained the same for each natural hazard identified in this Hazard Mitigation Plan. Climate change, infrastructure expansion, and economic shifts that can

affect vulnerability were considered. For example, if planned development is in an identified hazard area or is not built to the updated building codes, it may increase the community’s vulnerability to future hazards and disasters. On the other hand, if development occurred with mitigation practices in place, the vulnerability may have remained the same or decreased. Additionally, shifting demographics were taken into consideration when assessing development trends.

Jurisdiction-Specific Climate Change Vulnerability and Impacts

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

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

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

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

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

Hazard	Vulnerability
Current Vulnerability	
Dam and Levee Failure	Remained the Same
Drought	Remained the Same
Earthquake	Increased
Flood (Riverine, Urban, Shoreline)	Remained the Same
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Remained the Same
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Remained the Same
Tornado	Remained the Same
Wildfire (Wildfire Smoke)	Remained the Same

Hazard	Vulnerability
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)	No Change is Anticipated
Tornado	No Change is Anticipated
Wildfire (Wildfire Smoke)	No Change is Anticipated

Our community is adding Houses, although commercial real estate is dwindling.

Flooding/tornado/severe weather/winter weather continue to threaten developments. Aging structures, critical care facilities, and areas of underserved being affected by age of utilities/ structures/ or enhanced climate changes/ hazards. All Public Buildings (City Hall, RM Courthouse, Old Public Works, Pump stations, schools, etc continue to be affected by hazards such as flooding, severe weather, winter weather, tornados.

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	Tornado
4	Flood
5	Earthquake

6	Dam Failure
7	Drought

New Mitigation Actions

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

Action R-7.18

Mitigation Action #18: Updating our mitigation techniques, projects, and programs					
Lead Agency/Department Organization: Administration / Citywide	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2024				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	4,6				
Applicable Objective	6,8				
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)	High				
Action/Implementation Plan and Project Description:	<p>The City of Rolling Meadows continually works on updating our mitigation techniques, projects, and programs to make our City more resilient. The City updates and creates municipal codes to safeguard the public with new construction. The City also tries to educate the public through our newsletter, website, social media, and bill inserts on a wide variety of weather-related matters and risk-reduction techniques. The City works actively each year with programs for flooding reduction, improving storm infrastructure, lining storm manholes to reduce infiltration and sinkholes, testing the storm alerts and sirens, and installing emergency backup generators at all of our critical infrastructure around the City.</p>				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority	N				

<p>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</p>	
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Action R-7.19

Mitigation Action #19: Streambank Stabilization					
Lead Agency/Department Organization: Administration / City Wide	Supporting Agencies/Organizations:	Estimated Cost: High	Potential Funding Source: HMGP, BRIC, FMA, General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated	2024				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	1,2,5				
Applicable Objective	1,2,3				
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:	Streambank Stabilization				
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				

Action R-7.20

Mitigation Action #20: Hazard Mitigation Education					
Lead Agency/Department Organization: Administration / Citywide	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated		2024			
Applicable Jurisdiction		City of Rolling Meadows			
Applicable Goal		4,6			
Applicable Objective		6,8			
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)		High			
Action/Implementation Plan and Project Description:		Hazard Mitigation Education - Education Measure include in-person training for city employees and mailing and social media campaigns for the general public. The goal is to ensure a strong and consistent message about the city's hazard mitigation measures across all necessary stakeholders.			
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			

Action R-7.21

Mitigation Action #21: Rolling Meadows City Drone Program
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VOLUME 2: MJ-HMP JURISDICTIONAL ANNEXES

Lead Agency/Department Organization: Administration / Citywide	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund State Special Funds Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2024				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	1,2,3				
Applicable Objective	1,5,6				
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:	Rolling Meadows City Drone Program Purchasing equipment and training programs for users. Continued maintenance and updates of equipment as needed.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;	N				

<p>O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	
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Action R-7.22

Mitigation Action #22: UPS System- Install UPS/Battery Backup in Service Rooms.					
Lead Agency/Department Organization: IT Department	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2024				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	1,3				
Applicable Objective	1,2,5				
Cost Analysis (Low, Medium, High)	Medium				
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:	UPS System- Install UPS/Battery Backup in Service Rooms.				
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				

Action R-7.23

Mitigation Action #23: Install Point to Point Wireless between City Hall and Remote Sites					
Lead Agency/Department Organization: IT Department	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Local or State Special Taxes Private/Non-Profit Funds State Special Funds Hazard Mitigation Grant Program (HMGP) Hazard Mitigation Grant Program (HMGP) - Post Fire	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2024				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	1,3				
Applicable Objective	1,2,5				
Cost Analysis (Low, Medium, High)	Medium				
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:	Install Point to Point Wireless between City Hall and Remote Sites				
Actual Completion Date or Ongoing Indefinite					

<p>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</p>	<p>N</p>
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Ongoing Mitigation Actions

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

Action R-7.4

Mitigation Action #4: Streambank Stabilization - Phase 5					
<p>Lead Agency/Department Organization: Public Works</p>	<p>Supporting Agencies/Organizations:</p>	<p>Estimated Cost: \$1,000,000; Medium</p>	<p>Potential Funding Source: General Fund, FEMA grants (HMGP), MWRD-Phase-II</p>	<p>Estimated Projected Completion Date: Short-term</p>	<p>Hazard(s) Mitigated: Flooding</p>
<p>Year Initiated</p>	<p>2014</p>				
<p>Applicable Jurisdiction</p>	<p>City of Rolling Meadows</p>				
<p>Applicable Goal</p>	<p>1,2,3</p>				
<p>Applicable Objective</p>	<p>9,12</p>				
<p>Cost Analysis (Low, Medium, High)</p>	<p>Low</p>				
<p>Priority and Level of Importance (Low, Medium, High)</p>	<p>High</p>				
<p>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</p>	<p>Medium</p>				

<p>Action/Implementation Plan and Project Description:</p>	<p>This project is for the Fifth phase of a five-phase project and includes engineering and stabilization of salt creek in the areas that were identified in the salt creek engineering study. Grant applications will be submitted to the IEPA for Section 319 Grant Funding. The City has received these funds in the past for similar projects and are hopeful we will be able to secure them again. Ongoing Indefinite</p>
<p>Actual Completion Date or Ongoing Indefinite</p>	
<p>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</p>	<p>O</p>

Action R-7.6

<p>Mitigation Action #6: Stormwater improvements - North Industrial</p>					
<p>Lead Agency/Department Organization: Public Works</p>	<p>Supporting Agencies/Organizations:</p>	<p>Estimated Cost: \$225,000; Medium</p>	<p>Potential Funding Source: General Fund, FEMA grants (HMGP), MWRD-Phase-II</p>	<p>Estimated Projected Completion Date: Long-term</p>	<p>Hazard(s) Mitigated: Long-term</p>
<p>Year Initiated</p>		<p>2014</p>			
<p>Applicable Jurisdiction</p>		<p>City of Rolling Meadows</p>			
<p>Applicable Goal</p>		<p>1,2,3</p>			
<p>Applicable Objective</p>		<p>9,12</p>			
<p>Cost Analysis (Low, Medium, High)</p>		<p>Low</p>			
<p>Priority and Level of Importance (Low, Medium, High)</p>		<p>High</p>			

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	The completed drainage study concluded three separate alternatives (Alternatives 1, 2A, and 2B) eliminate street flooding in the area up to the 10 year storm event, and reduces the amount of street flooding in the 100 year storm event. Alternative 1 provides flood relief on the west side of the area, largely in the Hicks Road right-of-way, and relies on projects on both private property and in the right-of-way. Both Alternatives 2A and 2B provide flood relief on Rohlwing, near Industrial and Carnegie, with all improvements occurring in existing right-of-way. Results of the Drainage Study were evaluated by Committee and Council as part of the Budget’s Capital Improvement Planning, and staff began investigating possible grants.
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 R-7.8

Mitigation Action #8: 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		City of Rolling Meadows			
Applicable Goal		1,5			
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:	Annual update submitted.
Actual Completion Date or Ongoing Indefinite	Continually update the City plans based on mitigation needs and strategies as identified in this plan.
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 R-7.9

Mitigation Action #9: 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		City of Rolling Meadows			
Applicable Goal		1,5			
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:		The City is to actively participate in all Cook County training and educational opportunities to assist with maintaining a positive mitigation plan.			

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 R-7.10

Mitigation Action #10: Consider participation in incentive-based programs such as the Community Rating System, 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		City of Rolling Meadows			
Applicable Goal		1,2,3,5,6			
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)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		StormReady designation has been successfully obtained. Maintaining our Tree City designation. Contract has been awarded to the Park District for the Community Rating System.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;		O			

<p>O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	
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Action R-7.11

<p>Mitigation Action #11: 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.</p>					
<p>Lead Agency/Department Organization: Community Development</p>	<p>Supporting Agencies/Organizations:</p>	<p>Estimated Cost: Low</p>	<p>Potential Funding Source: General Fund</p>	<p>Estimated Projected Completion Date: Short-term and Ongoing</p>	<p>Hazard(s) Mitigated: Flooding</p>
Year Initiated		2014			
Applicable Jurisdiction		City of Rolling Meadows			
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:		All plans are reviewed for compliance when received.			
Actual Completion Date or Ongoing Indefinite					
<p>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</p>		O			

Action R-7.12

Mitigation Action #12: Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.					
Lead Agency/Department Organization: Community Development	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		City of Rolling Meadows			
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:		Capital Improvement Planning and Budgeting Development and Review			
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 R-7.14

Mitigation Action #14: Planning and engineering for emergency standby power supplies for critical infrastructure.
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VOLUME 2: MJ-HMP JURISDICTIONAL ANNEXES

Lead Agency/Department Organization: City Administration	Supporting Agencies/Organizations: MWRD, JAWA, RM Park District	Estimated Cost: Medium: \$750,000	Potential Funding Source: BRIC, HMGP	Estimated Projected Completion Date: 2023	Hazard(s) Mitigated: Earthquake, Flood, Extreme Heat, Lightning, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Widespread Power Outage
Year Initiated	2020				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	1,2,3,4,5,6				
Applicable Objective	1,2,5				
Cost Analysis (Low, Medium, High)	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Prevent flooding of personal and public properties, increase ability of the City to continue to provide sustainable, potable water supply. High—Project will provide an immediate reduction of risk exposure for life and property.				
Action/Implementation Plan and Project Description:	Identify, design and engineer emergency back-up power supply capability for sewer lift stations, potable water pump stations and Public Work services garage to ensure sustainable services to the residents and businesses of Rolling Meadows during times of long-term power loss. Search out and identify potential grant opportunities to assist w/funding.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;	O Adding emergency standby generators for critical facilities and utilities across the City.				

<p>O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	
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Action R-7.15

Mitigation Action #15: Park Street Drainage Project					
Lead Agency/Department Organization: State / MWRD.	Supporting Agencies/Organizations:	Estimated Cost: \$1,500,000	Potential Funding Source: BRIC, HMGP, FMA	Estimated Projected Completion Date: 2026	Hazard(s) Mitigated: Flooding
Year Initiated	2020				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	1,2,3,4,5,6				
Applicable Objective	1,2,3,5,9				
Cost Analysis (Low, Medium, High)	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	It will mitigate drainage problems within the Park Street area. 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:	The City of Rolling Meadows in partnership with Baxter & Woodman Engineering are working to enhance our storm water drainage system improvements on Park Street to help the residents eliminate standing water and storm water runoff issues. The City has secured a grant from the State to financially assist with the program. We are also currently working with MWRD on a Green Infrastructure Grant opportunity (GIGO) program to provide a bio-swale to assist in the natural cleaning of the storm runoff water before reaching the watershed/ Salt Creek. Currently Baxter and Woodman is in the design				

	stages of this project with final construction and engineering being completed in 2025.
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 This project allows for creating, upsizing, and modifying new and existing storm sewers to drain a section of residential homes adequately.

Action R-7.17

Mitigation Action #17: Sanitary and Storm Cured in Place Pipe (CIPP)					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: \$345,000 per year	Potential Funding Source: BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding, HAZMAT
Year Initiated	2015				
Applicable Jurisdiction	City of Rolling Meadows				
Applicable Goal	1,2,3				
Applicable Objective	1,2,9				
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)	The benefits of lining sewer and storm sewer mains allow for reliable sustainable use for the future. The ability to line old mains to reduce I&I as well as mitigate future backups is critical. 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:	Utilizing cured-in-place pipe (CIPP) to line sanitary and storm infrastructure allows for little disruption to correct issues such as I&I, corrosion, backups,				

	root infiltration, offset joints or segments, and any breaks or potential sinkholes resulting from cracks or breaks with the current sanitary or storm mains.
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 Utilizing cured-in-place pipe (CIPP) to line sanitary and storm infrastructure allows for little disruption to correct issues such as I&I, corrosion, backups, root infiltration, offset joints or segments, and any breaks or potential sinkholes resulting from cracks or breaks with the current sanitary or storm mains.

Completed Actions

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

Completed Action Items
Continue Ongoing Maintenance of Outdoor Warning System.
Action #5 - Spillway Rebuild: Completed
System Hardening

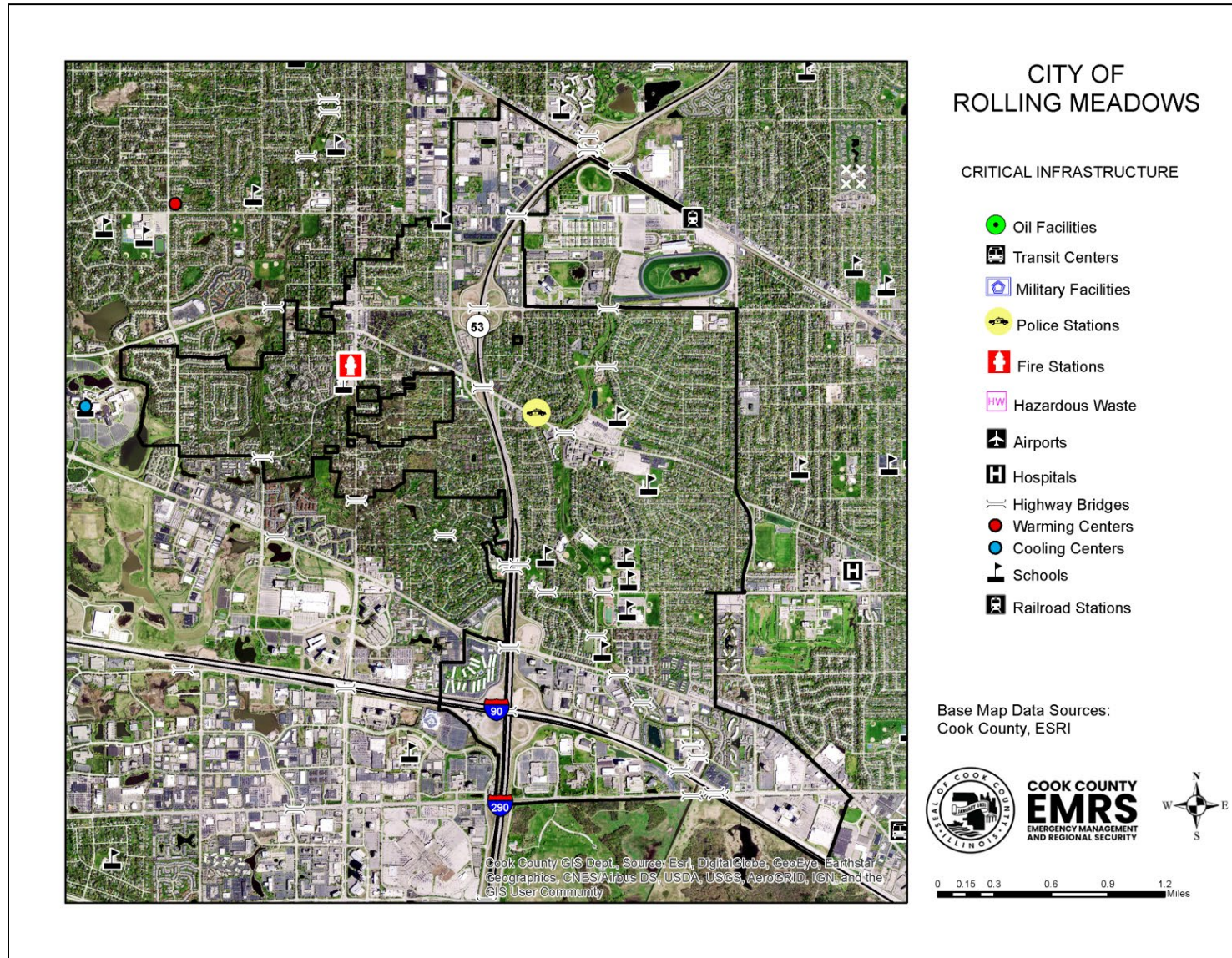
Future Needs to Better Understand Risk/Vulnerability

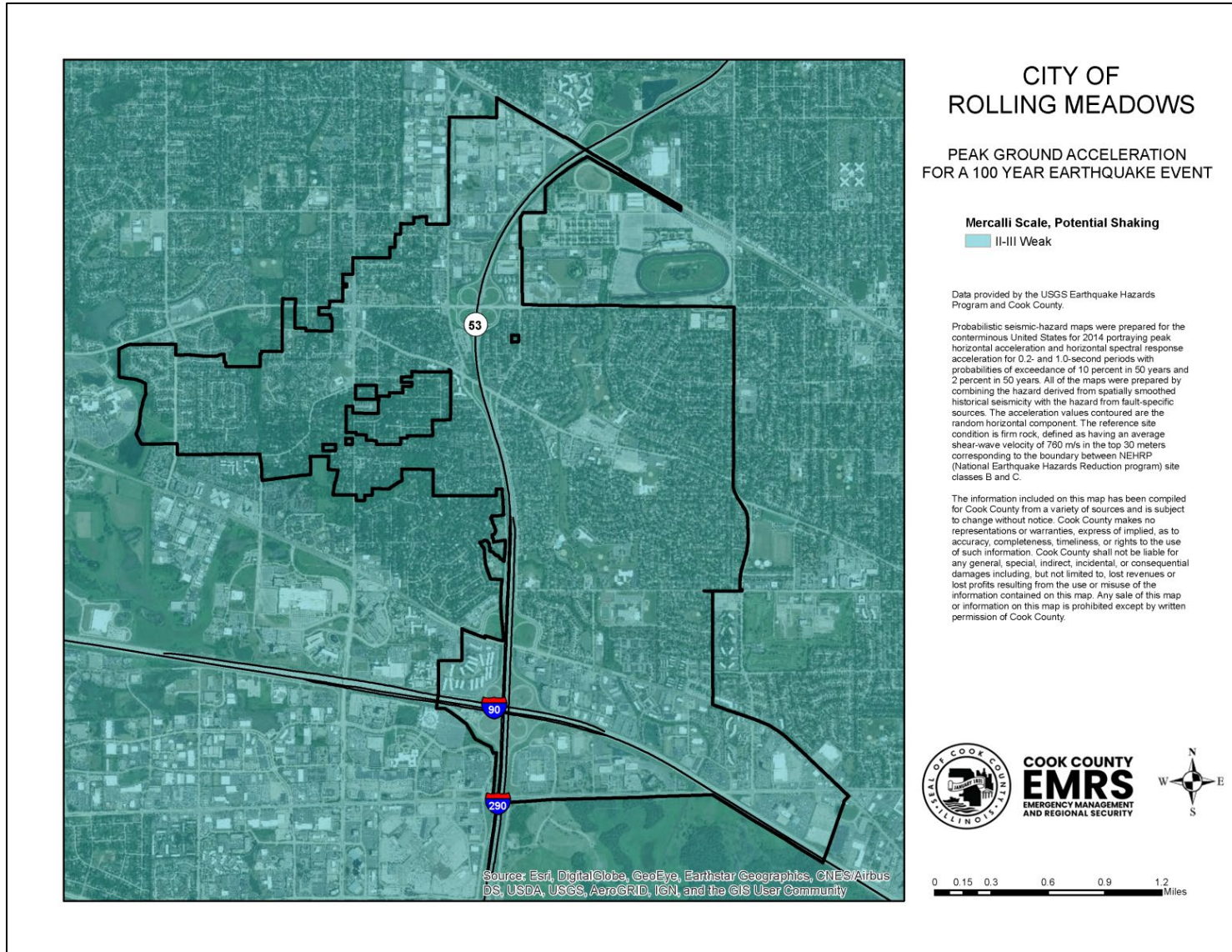
The City would like to receive further training to understand better the mitigation grant application process and the studies that may be needed to realize hazards/risks better, etc. The City is working on obtaining an emergency standby generator for our Public Works facility at 3900 Berdnick Street within 2023.

Additional Comments

No additional comments at this time.

Hazard Mapping





CITY OF ROLLING MEADOWS

PEAK GROUND ACCELERATION FOR A 100 YEAR EARTHQUAKE EVENT

Mercalli Scale, Potential Shaking
 II-III Weak

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

Probabilistic seismic-hazard maps were prepared for the conterminous United States for 2014 portraying peak horizontal acceleration and horizontal spectral response acceleration for 0.2- and 1.0-second periods with probabilities of exceedance of 10 percent in 50 years and 2 percent in 50 years. All of the maps were prepared by combining the hazard derived from spatially smoothed historical seismicity with the hazard from fault-specific sources. The acceleration values contoured are the random horizontal component. The reference site condition is firm rock, defined as having an average shear-wave velocity of 780 m/s in the top 30 meters corresponding to the boundary between NEHRP (National Earthquake Hazards Reduction program) site classes B and C.

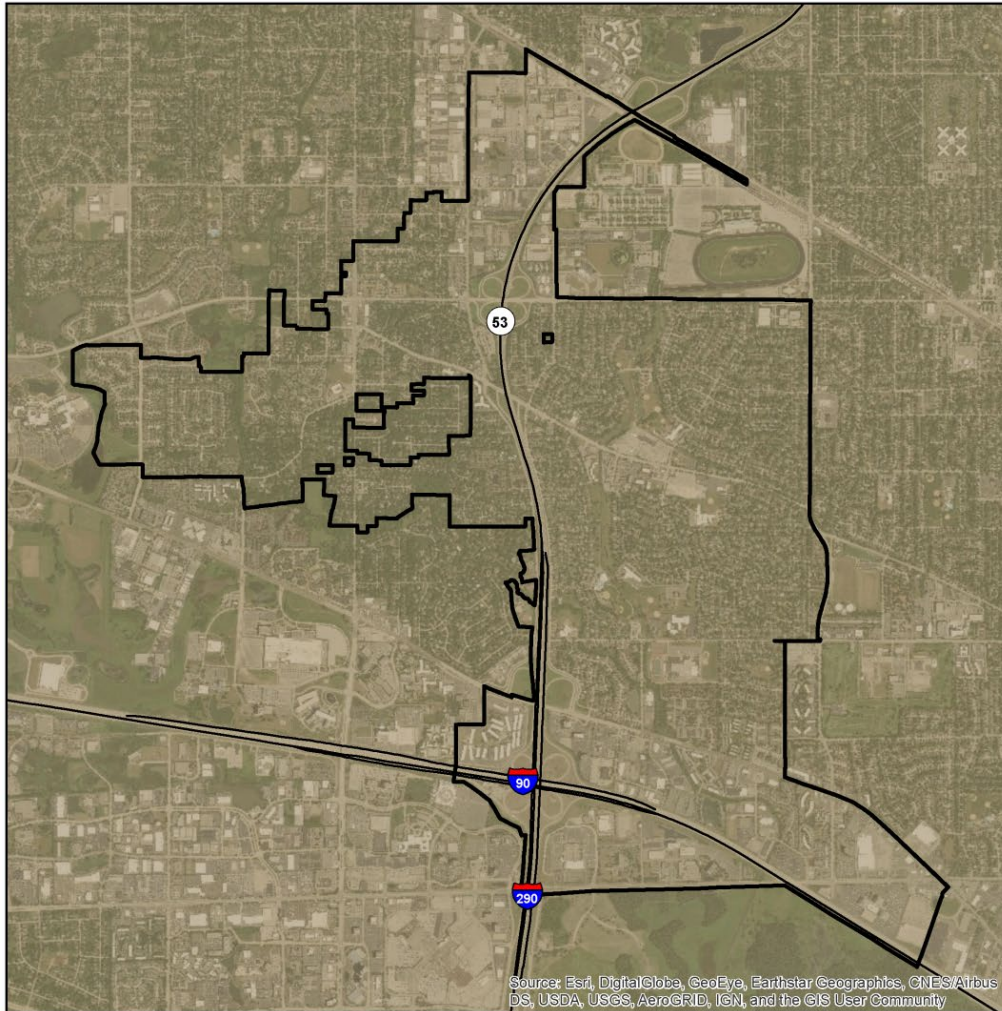
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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 AND REGIONAL SECURITY





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

CITY OF ROLLING MEADOWS

NATIONAL EARTHQUAKE HAZARD REDUCTION PROGRAM (NEHRP) SOIL CLASSIFICATION

TYPE

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

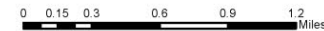
Data provided by the Illinois State Geological Survey and Cook County.

The Central United States Earthquake Consortium (CUSEC) State Geologists produced a regional Soil Site Class map (NEHRP Soil Profile Type Map), a Liquefaction Susceptibility Map and a Soil Response Map for the 8 states to be used in the FEMA New Madrid Catastrophic Planning Initiative Phase II work. The USGS Geologic Investigation Series I-2769 Map of Surficial Deposits and Materials in the Eastern and Central United State (East of 102 degrees West Longitude) by David S. Fullerton, Charles A. Bush and Jean N. Pennell (2003) was the base map used for this work. Each State Geological Survey produced its own state map version of the Soil Site Class and Liquefaction Susceptibility maps. The procedures outlined in the NEHRP provisions (Building Seismic Safety Council, 2004) and the 2003 International Building Codes (International Code Council, 2002) were followed to produce the soil site class maps. CUSEC State Geologists used the entire column of soils material down to bedrock and did not include any bedrock in the calculation of the average shear wave velocity for the column, since it is the soil column and the difference in shear wave velocity of the soils in comparison to the bedrock which influences much of the amplification.

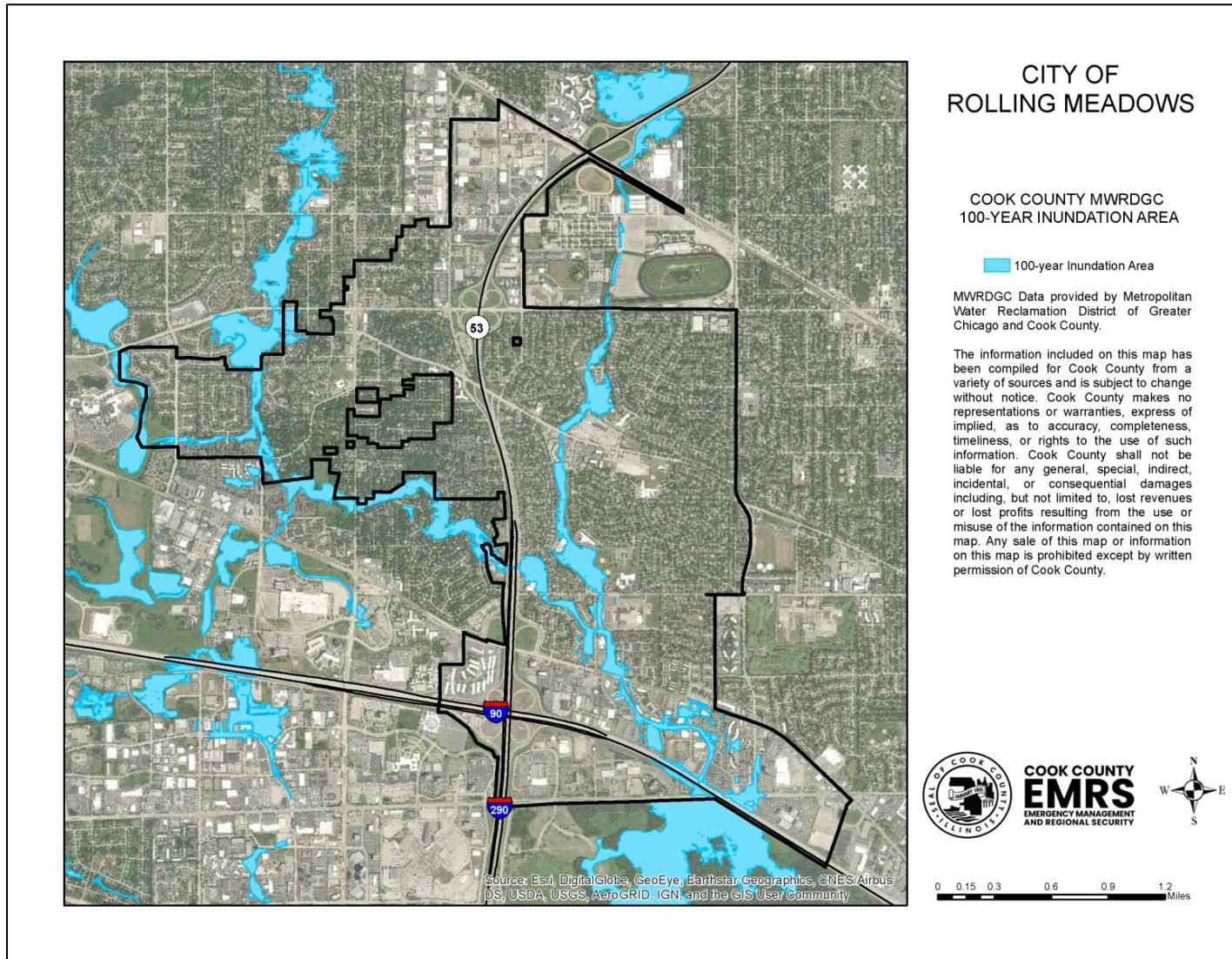
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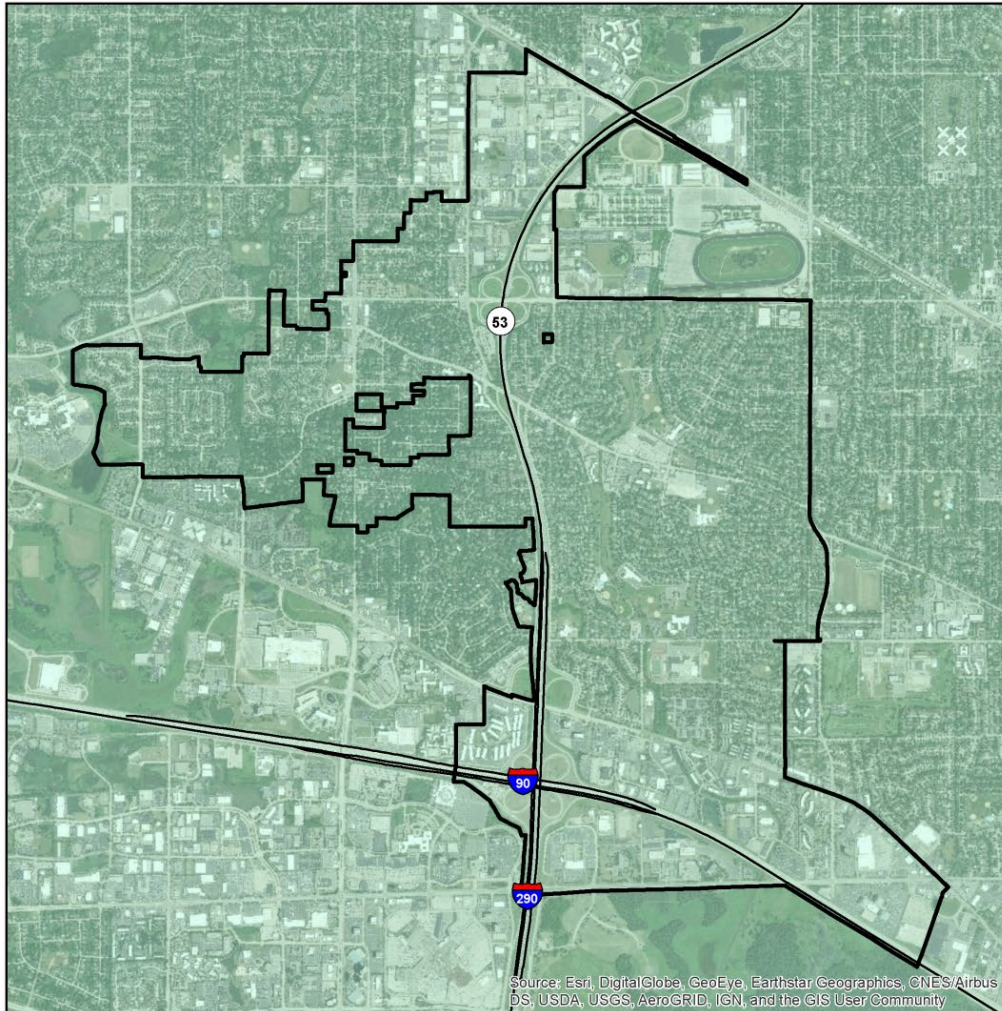


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DISCLAIMER: The Cook County MWRDGC 100-year Inundation Map is provided to show general flood risk information regarding floodplains and inundation areas. This map is not regulatory. Official FEMA Flood Insurance Study information and regulatory maps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





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

CITY OF ROLLING MEADOWS

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-2769 Map of Surficial Deposits and Materials in the Eastern and Central United State (East of 102 degrees West Longitude) by David S. Fullerton, Charles A. Bush and Jean N. Pennell (2003) was the base map used for this work. Each State Geological Survey produced its own state map version of the Soil Site Class and Liquefaction Susceptibility maps. The procedures outlined in the NEHRP provisions (Building Seismic Safety Council, 2004) and the 2003 International Building Codes (International Code Council, 2002) were followed to produce the soil site class maps. CUSEC State Geologists used the entire column of soils material down to bedrock and did not include any bedrock in the calculation of the average shear wave velocity for the column, since it is the soil column and the difference in shear wave velocity of the soils in comparison to the bedrock which influences much of the amplification.

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