

Country Club Hills

Hazard Mitigation Plan 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: 1958

Current Population: The 2020 U.S. Census population was 16,775. The 2022 U.S. Census estimate indicated the population was 16,170.

Population Growth: The overall population has decreased 2.07 percent between 2018 and 2022.

Location and Description: Country Club Hills is a suburb south of Chicago in Cook County, approximately 23 miles south of downtown Chicago and 10 miles west of the Illinois/Indiana border. Two Interstate Highways, I-80 and I-57, pass through the city's boundaries. Suburbs adjacent to Country Club Hills include: Oak Forest and Markham to the north, Hazel Crest and Flossmoor to the east, and unincorporated Cook County to the west and south. According to the U.S. Census Bureau, Country Club Hills has a total land area of 4.82 square miles. The Cook County Forest Preserve is adjacent to the City on its west and south borders. The Forest Preserve facilities include open land, trails, a model airplane field, fishing, and picnic areas. The growth of the Chicago-land area was aided by the expansion of railroads in the 1800s. Country Club Hills is one the few Chicago-land communities with no railroads within its boundaries.

Brief History: German farmers first began to settle in the area in the 1800s. In 1872, some of the settlers founded their own church and school, which they named St. John's Lutheran Church. Country Club Hills began in 1955 when local developer J. E. Merrion fulfilled his vision of spacious, affordable, middle income homes with a country-like atmosphere. New families were drawn to this area, enticed by the large, half-acre lots, award-winning home styles, and sprawling streets. By 1956, about 117 homes were completed, and a new group, the Country Club Hills Homeowners Association, pushed for incorporation. On July 12, 1958, the citizens of this growing area voted to incorporate as a City with a Mayor/Aldermanic Council type of government. The first election was

held in August of 1958. The first City Hall was a 131 year old farm house located at 177th and Crawford. In April of 1972, a new municipal complex, located on 175th Place, was dedicated. This is the current site of the Police Department. The first commercial building permit was issued in November, 1961 for a Marathon gas station, located at Flossmoor Road and Cicero Avenue. In February of 1963, the first liquor license was issued to Garofalo's Family Foods, which was the City's first grocery store and was located at 183rd and Pulaski, the current site of Home Furniture. In December of 1963, the City's first pharmacy, O'Brien & Flynn, opened next to Garafalo's. The first tax-supported building constructed was the Civic Center, located at 187th & Baker, which was dedicated in September, 1964.

Climate: The climate for the City of Country Club Hills is classified as humid continental, with all four seasons distinctly represented: wet springs; hot and often humid summers; pleasant autumns; and cold winters. Annual precipitation is average, and reaches its lowest points in the months of January (2.05" / 11.5" of snow) and February (1.94" / 9.1" of snow), and peaks in the months of May (4.13") and June (4.06"). Annual temperature averages are lowest in January (24.8 F degrees) and are highest in July (75.92 F degrees).

Governing Body Format: The City has a Mayor/Alderman Council form of government. The City Council has 5 elected alderman. The City is also a Home-Rule community whose purpose is to provide a full range of municipal services to its residential and commercial population. This body of Government will assume the responsibility for the adoption and implementation of this plan.

Development Trends: The City of County Club Hills has the largest parcel of undeveloped land, Gatling Square Mile (400 acres), in Cook County, Illinois. A portion of this site will be the Chicagoland Outlets at Country Club Hills, which was targeted to begin construction in 2014. However, the outlet mall was never built. As of January 2019, new developer has stepped in to build something more reflective of the retail economy in the digital age: a logistics hub. Chicago-based Logistics Property Co. acquired the 102-acre site and announced plans this week to create a transportation and distribution center dubbed LogiPark 57-80. The City is also pursuing a casino for this parcel. The motto, "It's Our Time. It's Our Turn," symbolizes the unity in Southland for the vast economic benefits that an entertainment and gaming resort could provide. The City is committed to sharing the financial benefit with other Chicago area's Southland communities as well as forty-four area public schools.

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 *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	2018 International Building Code; CABO-One and two dwelling Building Codes. City adopted an Electrical Code by Ordinance in accordance with 65 ILCD/5 Section 11-8-1. Published in full by Ordinance No. OA-2-92. 2018 International Energy Conservation Code; 2018 International Fire Prevention Code; 2018 International Property Maintenance Code; 2018 International Plumbing Code, First Edition and certain addenda found in Chapter 14.8.01 to 11.8.08 of City Code Book.
Zonings	Yes	No	No	Yes	City Code Chapter 15, Revised 10/2008
Subdivisions	Yes	No	No	No	City Code Chapter 17,

					Revised 10/2008
Stormwater Management	Yes	No	Yes	Yes	City Code Chapter 16, Revised 3/2009
Post Disaster Recovery	Yes	No	No	No	Emergency Operations Plan Resolution R-20-06 November 13, 2006
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	Yes	No	City Code Chapter 14, Article 16 MWRD review of sanitary connections and stormwater improvements
Public Health and Safety	Yes	No	Yes	Yes	Local Health Regulations City Code Chapter 12, Revised 2008 Cook County Board of Health.
Environmental Protection	No	No	No	No	
Planning Documents					
General or Comprehensive Plan	Yes	No	No	No	Country Club Hills Comprehensive Plan 2023
<i>Is the plan equipped to provide integration to this mitigation plan?</i>					N/A
Floodplain or Basin Plan	Yes	No	Yes	No	
Stormwater Plan	Yes	No	MWRD	No	Regional stormwater impacts are managed by MWRD. The City lies within the Little Calumet and Hickory Creek

					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	Yes	No	Yes	Yes	Resolution R-20-06 November 13, 2006
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County EMRS Preparing THIRA
Terrorism Plan	No	No	Yes	Yes	Cook County EMRS
Post-Disaster Recovery Plan	Yes	No	No	Yes	Emergency Operations Plan Resolution R-20-06

					November 13, 2006
Continuity of Operations Plan	Yes	No	Yes	No	Emergency Operations Plan Resolution R-20-06 November 13, 2006
Public Health Plans	Yes	No	Yes	No	Emergency Operations Plan Resolution R-20-06 November 13, 2006

TABLE: FISCAL CAPABILITY

Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	No
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
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	Robinson Engineering
Engineers or professionals trained in building or infrastructure construction practices	Yes	Robinson Engineering
Planners or engineers with an understanding of natural hazards	Yes	Robinson Engineering
Staff with training in benefit/cost analysis	Yes	Robinson Engineering
Surveyors	Yes	Robinson Engineering
Personnel skilled or trained in GIS applications	Yes	Robinson Engineering
Scientist familiar with natural hazards in local area	Yes	
Emergency manager	Yes	Fire Chief, Michelle Hullinger
Grant writers	Yes	Robinson Engineering

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Community Development Department
Who is your jurisdiction's floodplain administrator? (department/position)	Building Commissioner, Gino Bozzo
Are any certified floodplain managers on staff in your jurisdiction?	Yes, Michael Spolar, Robinson Engineering
What is the date of adoption of your flood damage prevention ordinance?	3/24/2009
When was the most recent Community Assistance Visit or Community Assistance Contact?	11/23/1998
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?	Yes, Training
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?	Yes – Class 8 Yes – Seeking to improve CRS Classification

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:

- My community's Floodplain Administrator is a Certified Floodplain Manager (CFM).

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:

16.1.03 Definitions

Substantially Damaged.

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% 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 10-year period for which the cost of repairs at the time of each such flood event, on the average, equals or exceeds 25% of the market value of the building before the damage occurred.

Substantially Improved.

1. 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.
2. For the purposes of this definition a 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.
3. The term does not include either (1) 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 assure safe living conditions or (2) any alteration of a "historic building," provided that the alteration will not preclude the building's continued designation as a historic building.

16.3.02 Requirements in all Special Flood Hazard Areas

A. Jurisdiction. All development projects in all types of Special Flood Hazard Areas shall comply with this section. Development proposed in floodways and in SFHAs without regulatory floodplain data shall also comply with the additional requirements of Sections 16.3.03 and 16.3.04.

E. Protecting Buildings.

1. All new buildings and improvements and repairs to buildings located within the SFHA shall be protected from flood damage below the FPE.
2. This building protection requirement applies to the following situations:
 - (a) Construction or placement of a new building.
 - (b) Remodeling or other activity that will result in a substantially improved building.
 - (c) An addition that will result in a substantially improved building.
 - (d) An existing building that has been substantially damaged.

(g) Construction of new buildings and substantial improvements in the 500-year floodplain.

TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	Yes	8	1993
Building Code Effectiveness Grading Schedule	No	N/A	N/A
Public Protection/ISO	Yes	5	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 improving GIS capabilities, improve building codes and ability to fund local match for mitigation 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 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: 1
- 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

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment/ Event Narrative
Hail	-	5/20/2014	-
Severe Storms, Straight-Line Winds and Flooding	DR-4116	4/26/2013	-
Severe Winter Storm and 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	-
Flooding	DR-1188	8/16/1997	-
Flooding	DR-1129	7/17/1996	-
Flooding, Severe Storms	DR-997	4/13/1993	-
Severe Storms and Flooding	DR-798	8/13/1987	-
Severe Storms and Flooding	DR-776	9/21/1986	-
Severe Storms, Flooding, Tornadoes	DR-643	6/30/1981	-

Severe Storms, Flooding, Tornadoes	DR-509	6/18/1976	-
Severe Storms and Flooding	DR-373	4/26/1973	-
Severe Storms and Flooding	DR-351	9/4/1972	-
Tornadoes	DR-227	4/25/1967	-

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.

Flood: The community has experienced flooding at the retention ponds at 179th Cicero Ave and 4200 Main St. as well as drainage ditched through the community.

Extreme Heat: Extreme heat has caused power loss at senior and assisted living facilities throughout the City.

High Winds: High wind events have caused power loss at senior and assisted living facilities throughout the City.

Ice Storms: Ice storms have caused power loss at senior and assisted living facilities throughout the City.

Tornado: Tornadoes have caused power loss at senior and assisted living facilities throughout the City.

- 03/05/2022 Severe thunderstorms moved across northern Illinois during the late evening of March 5th, producing high winds and scattered wind damage.
- 04/13/2022 Scattered thunderstorms moved across parts of the City during the afternoon of April 13th, which caused localized wind damage.
- 6/13/2022 A supercell thunderstorm moved across northeast Illinois, including Chicago and the western suburbs, during the late afternoon and early evening of June 13th. Widespread significant wind damage occurred in many areas and two tornadoes occurred. Thousands of trees were damaged and hundreds of trees were snapped or uprooted. Several houses were damaged, some significantly, by falling trees. Numerous vehicles were damaged or crushed by falling trees or tree limbs.
- 07/23/2022 Thunderstorms developed late in the evening of July 22nd across northeast Illinois and continued into the morning of July 23rd. Numerous thunderstorms moved over the same areas across portions of Lake County, producing torrential rain and flash flooding. Large hail also occurred. Three tornadoes occurred in the southern suburbs of Chicago just after sunrise. Additional thunderstorms developed during the morning and continued into the afternoon of July 23rd, producing isolated large hail and wind damage.
- 12/23/2022 Severe cold temperatures caused numerous disruptions to City's water distribution system.

Severe Weather: Our Senior Housing Facilities, Cooling Centers, Police Station, Fire Station, Pump House, Lift Stations and City Hall all have aged generators and have no secondary power connections. DPW Operation Center has neither a backup generator or secondary power connection.

Indicator	Number	Percent
Families in poverty	651	9.1%
People with disabilities	3,061	10%
People over 65 years	5,046	16.3%
People under 5 years	2,049	6.6%
People of color	27,246	88.2%
Black	25,337	82%
Native American	58	0.2%
Hispanic	1,195	3.9%
Difficulty with English	218	0.8%
Households with no car	498	4.5%
Mobile homes	0	0%

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	Not Applicable
Drought	Not Applicable
Earthquake	Not Applicable
Flood (Riverine, Urban, Shoreline)	Not Applicable
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	Not Applicable
Drought	Not Applicable

Earthquake	Not Applicable
Flood (Riverine, Urban, Shoreline)	Not Applicable
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

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	Not Applicable
Earthquake	Not Applicable
Flood (Riverine, Urban, Shoreline)	Not Applicable
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	Not Applicable
Drought	Not Applicable
Earthquake	Not Applicable
Flood (Riverine, Urban, Shoreline)	Not Applicable
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	Flooding
4	Tornado
5	Earthquake
6	Drought
7	Dam Failure

New Mitigation Actions

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

Action C-7.19

Mitigation Action #19: Stabilize Erosion of Retention Pond banks in residential areas.					
Lead Agency/Department Organization: Country Club Hills Staff	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
Year Initiated		2024			
Applicable Jurisdiction		City of Country Club Hills			
Applicable Goal		1,2,3,4,6			
Applicable Objective		1,2,4,5,6,8,9,10,12,13			
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)	Low
Action/Implementation Plan and Project Description:	Stabilize Erosion of Retention Pond banks in residential areas.
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 C-7.20

Mitigation Action #20: Extreme Temperatures education and awareness programs.					
Lead Agency/Department Organization: Country Club Hills Staff	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
Year Initiated	2024				
Applicable Jurisdiction	City of Country Club Hills				
Applicable Goal	1,2,3,4,6				

Applicable Objective	1,2,4,5,6,8,9,10,12,13
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)	Low
Action/Implementation Plan and Project Description:	Extreme Temperatures education and awareness 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	N

Action C-7.21

Mitigation Action #21: Improve Storm Water Management Planning.					
Lead Agency/Department Organization: Country Club Hills Staff	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning. Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)

			Development Block Grant (CDBG)		
Year Initiated	2024				
Applicable Jurisdiction	City of Country Club Hills				
Applicable Goal	1,2,3,4,6				
Applicable Objective	1,2,4,5,6,8,9,10,12,13				
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)	Low				
Action/Implementation Plan and Project Description:	Improve Storm Water Management Planning.				
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 C-7.22

Mitigation Action #22: Improve Storm Water Drainage System Capacity. Conduct Regular Maintenance for Drainage System and Flood Control Structures.					
Lead Agency/Department Organization: Country Club Hills Staff	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Hazard Mitigation Grant Program	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning. Hail, Fog,

			(HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG)		High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
Year Initiated	2024				
Applicable Jurisdiction	City of Country Club Hills				
Applicable Goal	1,2,3,4,6				
Applicable Objective	1,2,4,5,6,8,9,10,12,13				
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)	Low				
Action/Implementation Plan and Project Description:	Improve Storm Water Drainage System Capacity. Conduct Regular Maintenance for Drainage System and Flood Control Structures.				
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 C-7.23

Mitigation Action #23: Conduct Regular Maintenance for Drainage System and Flood Control Structures.

Lead Agency/Department Organization: Country Club Hills Staff	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
Year Initiated		2024			
Applicable Jurisdiction		City of Country Club Hills			
Applicable Goal		1,2,3,4,6			
Applicable Objective		1,2,4,5,6,8,9,10,12,13			
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)		Low			
Action/Implementation Plan and Project Description:		Conduct Regular Maintenance for Drainage System and Flood Control Structures.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;		N			

O = Ongoing Indefinitely; **C** = Project Completed;
R = Want Removed from Annex; **X** = No Action
 Taken/Delayed

Action C-7.24

Mitigation Action #24: Replace deteriorating roadside culvert with closed drainage system.					
Lead Agency/Department Organization: Country Club Hills Staff	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning. Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
Year Initiated		2024			
Applicable Jurisdiction		City of Country Club Hills			
Applicable Goal		1,2,3,4,6			
Applicable Objective		1,2,4,5,6,8,9,10,12,13			
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)	Low
Action/Implementation Plan and Project Description:	Replace deteriorating roadside culvert with closed drainage system.
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 C-7.25

Mitigation Action #24: Install new drainage system to eliminate flooding issues in Community Park located 175th Maple Ave.					
Lead Agency/Department Organization: Country Club Hills Staff	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning. Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)

Year Initiated	2024
Applicable Jurisdiction	City of Country Club Hills
Applicable Goal	1,2,3,4,6
Applicable Objective	1,2,4,5,6,8,9,10,12,13
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)	Low
Action/Implementation Plan and Project Description:	Install new drainage system to eliminate flooding issues in Community Park located 175th Maple Ave.
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 C - 7.2

Mitigation Action #2: Enhance/Improve City Code language and enforcement					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	City of Country Club Hills				

Applicable Goal	1,2,3,5
Applicable Objective	2, 3, 4, 10
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:	City implementing MWRD's Watershed Management Ordinance, as amended February 15, 2018.
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 C - 7.4

Mitigation Action #4: Retrofit water system to protect against power outages					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: IEPA Low Interest Loans, HMGP, BRIC	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Severe Weather, Severe Winter Weather, Tornado
Year Initiated	2014				
Applicable Jurisdiction	City of Country Club Hills				
Applicable Goal	1,2,3				
Applicable Objective	1, 2, 12				
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 C - 7.5

Mitigation Action #5: Retrofit sanitary sewer system to protect against sewer backups.					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: IEPA Low Interest Loans, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Severe Weather, Floods, Tornado
Year Initiated	2014				
Applicable Jurisdiction	City of Country Club Hills				
Applicable Goal	1,2,3				
Applicable Objective	1, 2, 12				
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:	City performs cleaning and sewer repairs to minimize sewer backups.				
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
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Action C - 7.7

Mitigation Action #7: Incorporate a GIS system/management plan for tracking permitting, land use patterns, tracking hazard data, and mapping risk for various hazards					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: HMGP, BRIC	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	City of Country Club Hills				
Applicable Goal	1,2,3				
Applicable Objective	3, 4, 10				
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:	City currently using GIS system to map City utilities.				
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 C - 7.8

Mitigation Action #8: Increase Hazard Awareness Education and Risk Awareness					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		City of Country Club Hills			
Applicable Goal		1,2,3,4,5,6			
Applicable Objective		5, 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:		City utilizes CodeRED weather warning and has links on its City website. http://countryclubhills.org/code-red/ City has flood protection information on its website. http://countryclubhills.org/departments-services/community-development/flood-information/			
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 C - 7.10

Mitigation Action #10: Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.

Lead Agency/Department Organization: City 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		City of Country Club Hills			
Applicable Goal		1,3			
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 C - 7.11

Mitigation Action #11: Continue to support the countywide actions identified in this plan.					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date:	Hazard(s) Mitigated: All

				Short and Long-term	
Year Initiated	2014				
Applicable Jurisdiction	City of Country Hills Club				
Applicable Goal	2				
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:	City continues to submit applications to fund infrastructure improvements				
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 C - 7.12

Mitigation Action #12: Actively participate in the plan maintenance strategy identified in this plan					
Lead Agency/Department Organization: City Administration; EMRS	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 Country Club Hills				
Applicable Goal	2,3				
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:	City prepares activity report every 2 years.
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 C - 7.13

Mitigation Action #13: Consider participation in incentive-based programs such as Tree City and StormReady.					
Lead Agency/Department Organization: City 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 Country Club Hills				
Applicable Goal	1,2,3,5				
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)	Medium				
Action/Implementation Plan and Project Description:	City participates in Storm Ready				
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	0
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Action C - 7.14

Mitigation Action #14: 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: City 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		City of Country Club Hills			
Applicable Goal		2,3			
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:		City is currently in good standing with NFIP.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;		O			

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

Mitigation Action #15: Where feasible, implement a program to record high water marks following high water events.					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund; FEMA Public Assistance (PA)	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding, Severe Weather
Year Initiated	2014				
Applicable Jurisdiction	City of Country Club Hills				
Applicable Goal	1,2,3				
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 C - 7.16

Mitigation Action #16: Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.					
Lead Agency/Department Organization: Robinson Engineering	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 Country Club Hills			
Applicable Goal		1,2,3,4			
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:		This is in the planning stages.			
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 C - 7.17

Mitigation Action #17: Consider developing and implementing a Capital Improvements Program to increase the Village's regulatory, financial, and technical capability to implement mitigation actions.
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Lead Agency/Department Organization: Public Works	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: CIP component of the general fund (if implemented)	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All Hazards
Year Initiated		2014			
Applicable Jurisdiction		City of Country Club Hills			
Applicable Goal		2,3			
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:		City prepares and reviews their capital improvement plan on annual basis.			
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 C - 7.18

Mitigation Action #18: Replace the deteriorating roadside culverts with a close drainage system					
Lead Agency/Department Organization: City Administration	Supporting Agencies/ Organizations:	Estimated Cost: Citywide \$4 million	Potential Funding Source: BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flood
Year Initiated		2019			

Applicable Jurisdiction	City of Country Club Hills
Applicable Goal	1,2,3,5
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)	Health and safety High
Action/Implementation Plan and Project Description:	Replace deteriorated roadside culverts with a closed storm water system
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	X

Completed Actions

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

Completed Action Items
Continue participation in Community Rating System
Retrofit public buildings and critical facilities to improve vulnerability to natural hazards.
Form partnership between local, state, county, tollway, and regional entities to help expand resources and improve floodplain management coordination by developing a stormwater committee that meets regularly to discuss issues and recommend projects
National Incident Management System (NIMS) training for Police, Fire, and Public Works Department.

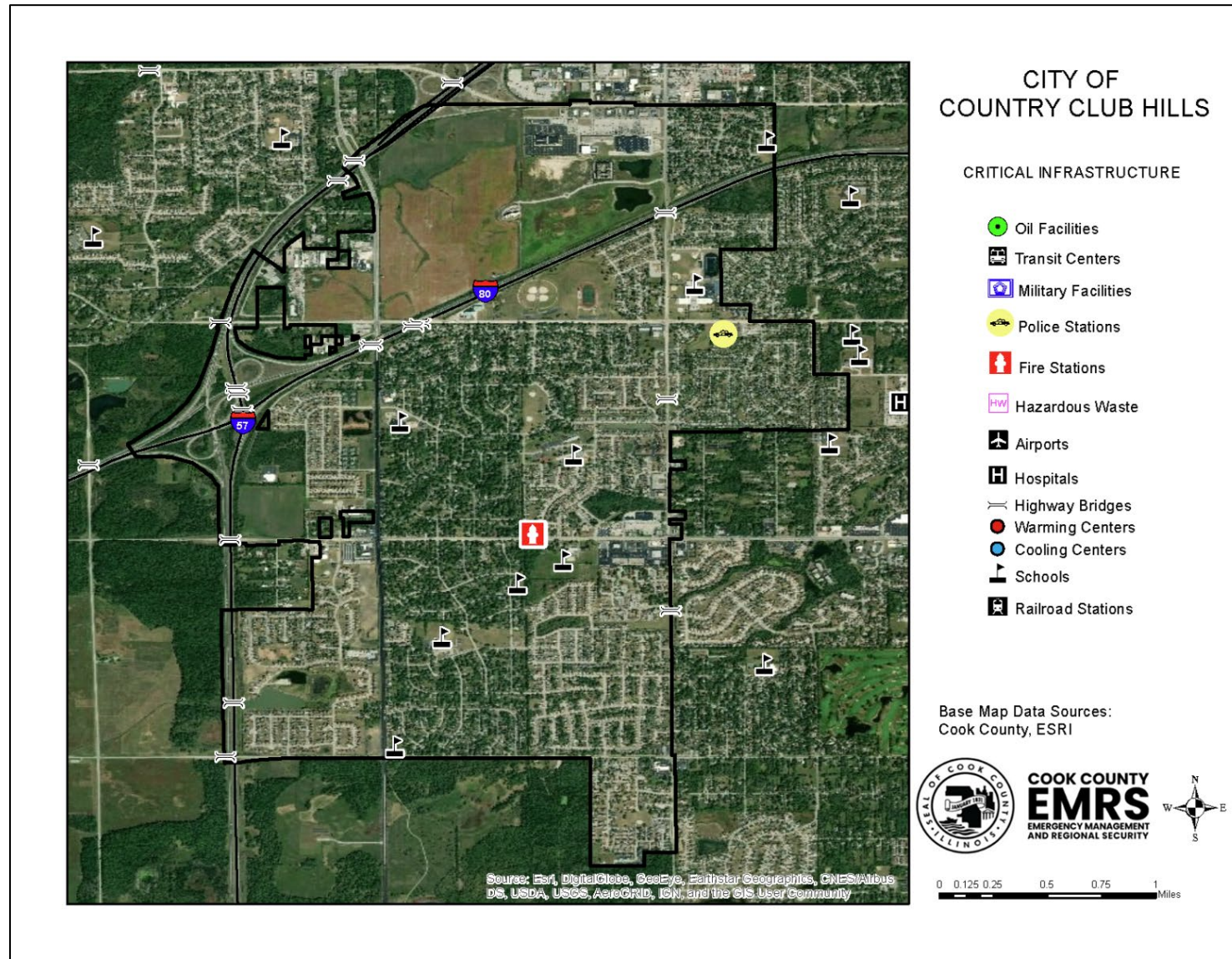
Future Needs to Better Understand Risk/Vulnerability

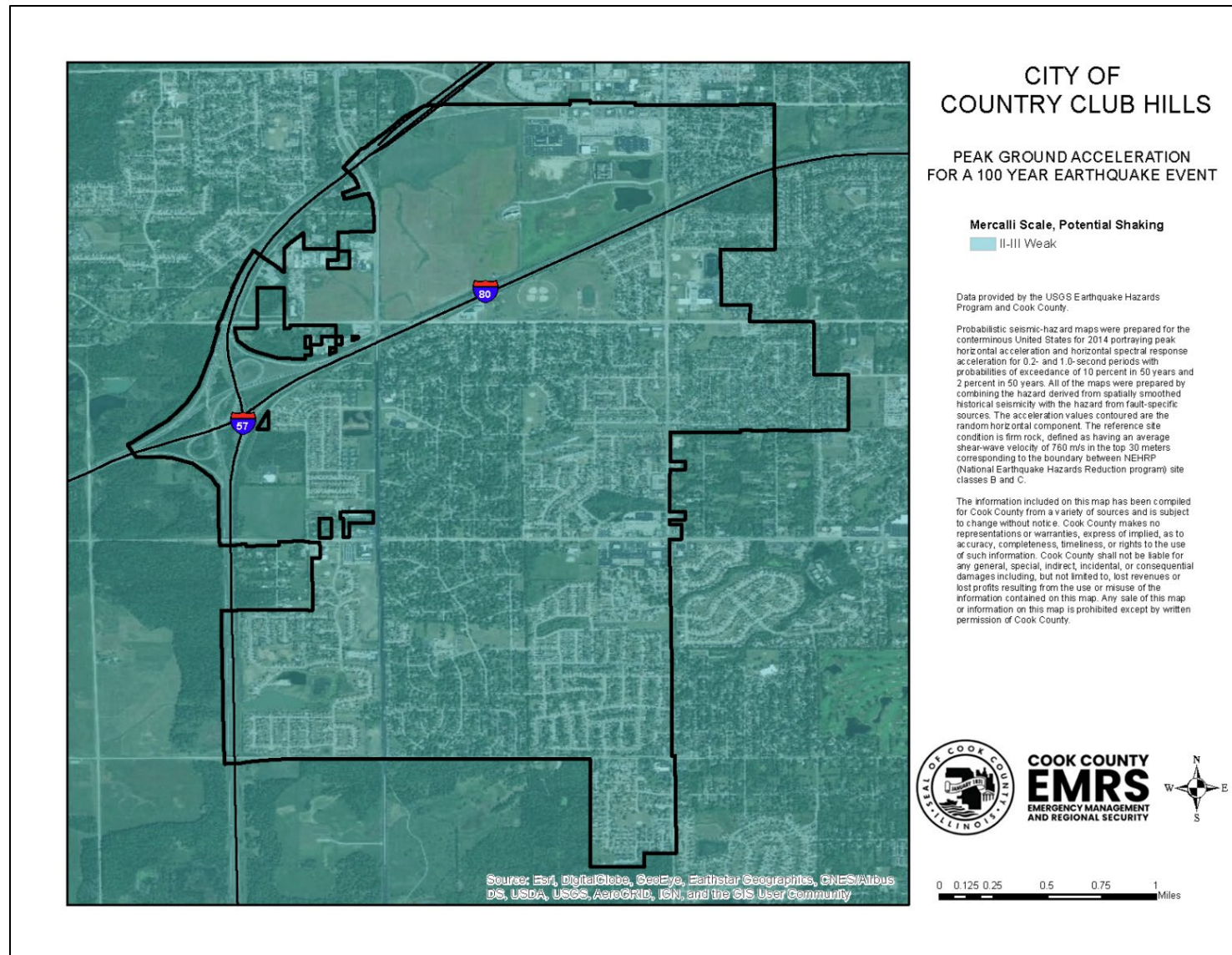
No needs have been identified at this time.

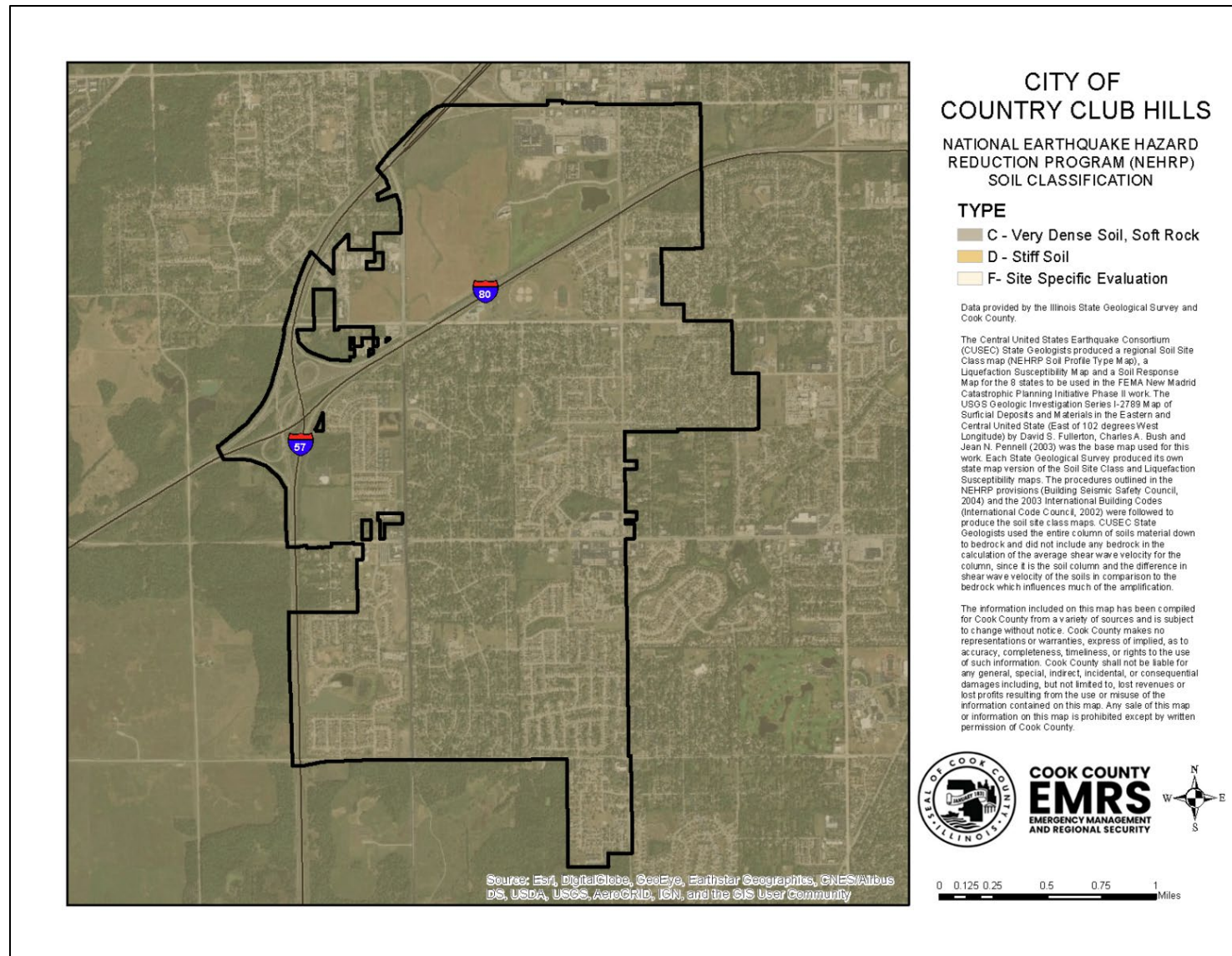
Additional Comments

No additional comments at this time.

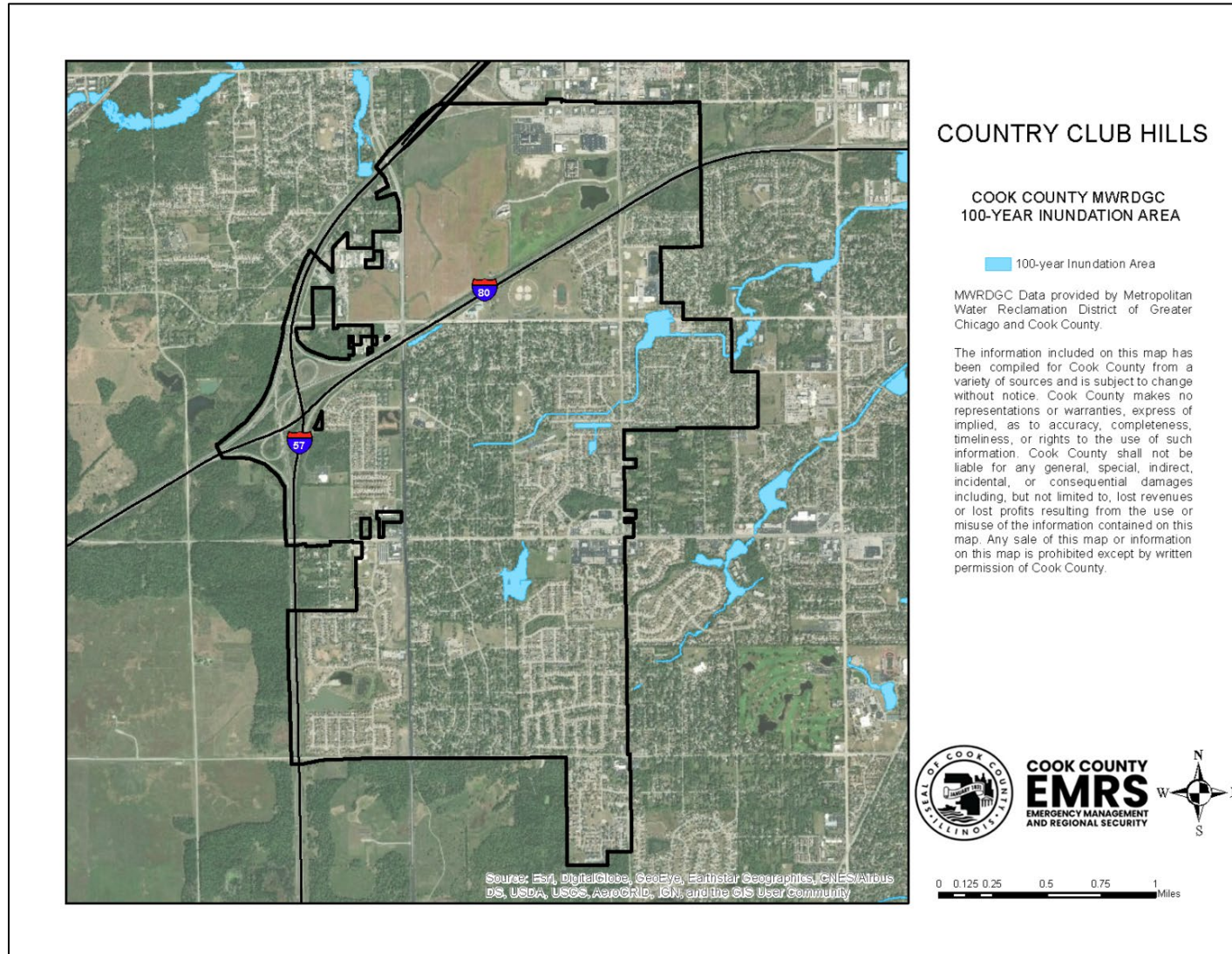
Hazard Mapping

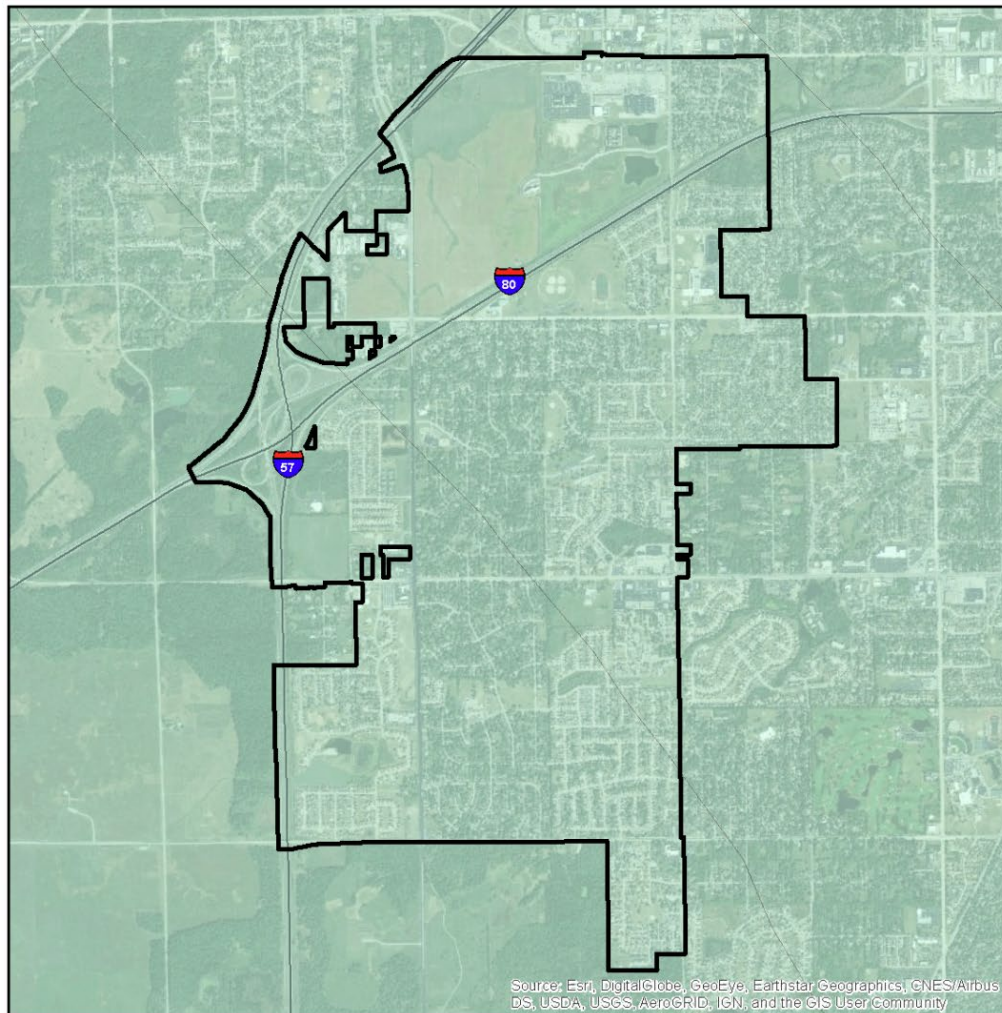






DISCLAIMER: The Cook County MWRDGC 100-year Inundation Map is provided to show general flood risk information regarding floodplains and inundation areas. This map is not regulatory. Official FEMA Flood Insurance Study information and regulatory maps can be obtained from <http://www.fema.gov>.





CITY OF COUNTRY CLUB HILLS

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.

The information included on this map has been compiled for Cook County from a variety of sources and is subject to change without notice. Cook County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. Cook County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of Cook County.



COOK COUNTY
EMRS
EMERGENCY MANAGEMENT
AND REGIONAL SECURITY



0 0.125 0.25 0.5 0.75 1 Miles

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

