

Community/Agency: City of St. Charles\_\_\_\_\_

Reporting Year: 2021

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## Kane County Natural Hazards Mitigation

### Action Item Progress

<b>1.</b>	<b>Building Code Improvements</b>
<i>Adopt the latest International series of codes to improve the hazard protection standards for new construction and ensure a consistent set of building standards.</i>	
The City has adopted the 2015 International Building Code (Multi Family/Commercial) and the 2015 International Residential Code (Single Family)	
<b>2.</b>	<b>Improved Code Enforcement</b>
<i>Develop and conduct training for building department staff on the natural hazards aspects of the International Codes, regulation of mobile home installation, and the County stormwater ordinance and its flood protection, wetland protection, erosion and sediment control and best management practices.</i>	
The City currently has three Certified Floodplain Managers on staff. At a minimum the CRS Coordinator attends the annual IAFSM conference.	
<b>3.</b>	<b>Review of Plans and Development Regulations</b>
<i>Incorporate mitigation provisions into comprehensive plans, land use plans, and zoning and subdivision ordinances.</i>	
The City has adopted the 2019 update of the Kane County Stormwater Management Ordinance.	
<b>4.</b>	<b>Retrofitting Incentives</b>
<i>Establish a program of technical assistance and financial incentives to encourage property protection measure on private property.</i>	
The City of St. Charles continued to offer residents a program to reimburse them up to 50% of the cost, up to \$2,500 total, to install backflow prevention on their sewer service. This program is meant to help residents that have experienced past problems with sewerage backups.	
<b>5.</b>	<b>Repetitive Loss Projects</b>
<i>Protect the buildings in repetitive loss areas through acquisition or elevation.</i>	
The City sends out direct mailings to properties in repetitive loss areas annually.	

<b>6.</b>	<b>Drainage Maintenance</b>
<i>Implement a formal and regular drainage system maintenance program.</i>	
<p>Open channel inspections, both public and private, were conducted through the Public Works Department.</p> <p>Detention basin inspections, both public and private, were conducted through the Community Development Department.</p> <p>“No Dumping in Stream” signs are maintained at various waterway locations within the City.</p>	
<b>7.</b>	<b>Urban Forestry</b>
<i>Implement an urban forestry program that qualifies the municipality to become a Tree City, USA.</i>	
<p>The City of St. Charles has been and continues to be a Tree City, USA recipient. The City has an ongoing program to remove trees on public property that are dead or diseased.</p>	
<b>8.</b>	<b>Flood Threat Recognition</b>
<i>Continue current funding of rain and stream gages throughout the county.</i>	
<p>Continuing in 2021 a link has been made available on the City’s Floodplain Page to the Fox River gauge in Algonquin, IL. During periods of high water the City monitors river elevations in the downtown area.</p> <p>Continuing in 2021 a link has been made available on the City’s Floodplain Page to USGS Gauge No. 05551200 on Ferson Creek.</p>	
<b>9.</b>	<b>Improved Emergency Response</b>
<i>Conduct a review of emergency response plans and programs.</i>	
<p>The City has developed and implemented a policy to monitor flood levels on the Fox River to assess when closing of the Illinois Street Bridge is warranted.</p>	
<b>10.</b>	<b>Flood Control Projects</b>
<i>Implement flood control projects, including farm drainage improvements and projects to improve bridges and culverts, where they prove to be the most appropriate approach to reduce flood damage.</i>	
<p>A failing railroad culvert was removed from 7<sup>th</sup> Avenue Creek behind commercial property along East Main Street.</p> <p>7<sup>th</sup> Avenue Creek Phase One improvements were constructed in 2021. The project will reduce the effect of flooding on properties along the creek and tributary, minimize stream erosion, improve stream ecology, and revitalize the neighborhood along the project corridor.</p> <p>A failing box culvert end was repaired on State Street Creek in the 1000 block of Dean Street.</p>	

<b>11.</b>	<b>Hazard Mitigation Materials</b>
<i>Prepare background information, articles, and other explanations of hazard mitigation topics.</i>	
Continuing in 2021 hazard mitigation brochures were made available to the public through the Public Works Division, the Building and Code Enforcement Office and the City website. Topics from the information brochures are regularly published in the City's newsletter.	
<b>12.</b>	<b>Outreach Projects</b>
<i>Prepare and disseminate mitigation information based on the materials provided under action item 11.</i>	
The City sends out direct mailings to floodplain properties.	
The City sends out floodplain information mailings to lenders, real estate and insurance offices.	
The City maintains a "Floodplain Page" on its website. Elevation certificates on file are available, as well as FEMA Letters of Map change. There are numerous links to resources to assist residents with drainage concerns.	
<b>13.</b>	<b>Plan Adoption</b>
<i>Adopt the Natural Hazards Mitigation Plan by passing a resolution.</i>	
The City has adopted the most current Natural Hazard Mitigation plan from Kane County.	
<b>14.</b>	<b>Mitigation Committee</b>
<i>The Natural Hazards Planning Committee has been converted to a permanent advisory body.</i>	
<b>15.</b>	<b>Community Rating System</b>
<i>Determine whether to apply for a Community Rating System flood insurance premium rate discount.</i>	
The City of St. Charles has maintained its CRS Class 5 rating.	