



**STORMWATER MANAGEMENT COMMISSION**

**Grant Application Executive Summary – August 2024**

**Illinois Department of Commerce and Economic Opportunity  
Lake County Regional Stormwater Management Projects 2.0**

Flooding is the most common natural hazard in Lake County, Illinois and results from a combination of factors. Riverine and depressional flooding occurs in and along lakes, rivers, streams and wetlands. Flooding in these locations may be exacerbated by historical changes in the landscape. Urban flooding affects developed areas of Lake County and is a consequence of aging or undersized infrastructure. In many locations affected by urban flooding, development occurred prior to the adoption of modern stormwater regulations. A documented increase in the frequency and intensity of rainfall events in the region has exacerbated all types of flooding affecting Lake County residents and businesses. Damages caused by flooding in Lake County include physical damage caused to buildings and infrastructure that must be repaired or restored and economic impact caused by the closure or disruption of businesses and transportation infrastructure. Flooding is also a public health and safety hazard and can limit access for emergency services.

The Lake County Stormwater Management Commission is a governmental entity providing services to Lake County in Lake County, Illinois. Grant funds will be used for costs associated with the implementation of 16 regional stormwater component projects in Lake County, Illinois. In addition to this scope description, see the attached project location map. Component projects entail engineering design and construction of stormwater capital improvements. These stormwater infrastructure projects are needed to: manage increased volumes of stormwater because of changes to the climate; incorporate necessary road repairs and upgrades for stormwater infrastructure projects; incorporate wetland restoration, sediment control, and water quality benefits; incorporate increased stormwater storage; and incorporate updated Bulletin 75 rainfall design standards and current best practices. Unless otherwise determined by the Department, this award is considered to be covered by Expenditure Category 5.6 (Clean Water- Stormwater) as identified within the associated federal guidance. The component projects and a description of each are as follows:

20th Street Stormwater Improvements Project Phase 1: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. This project is the first phase of a larger plan. Improvements will mitigate roadway and neighborhood flooding and is expected to consist of removal and replacement of storm sewers, related stormwater infrastructure, road surfaces and utility relocations to improve capacity of the storm sewer system. Project location is Gideon Avenue between 20th Street and Kellogg Creek in Zion, IL. The project will benefit approximately 45 properties and 11 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on June 6, 2024.

Bangs Lake Stormwater Improvements: Grant funds will be utilized for the design and construction of storm sewer upgrades, channel improvements and drainage system enhancements. Improvements will mitigate roadway and neighborhood flooding and is expected to consist of removal and replacement of storm sewer structures, lake control structures, roads, stabilization of creek and shorelines. Project location is along Slocum Creek between Bangs Lake and Illinois Route 176/Liberty Street in Wauconda, Illinois. The project will benefit approximately 73 properties and 8 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Buffalo Creek Watershed Stormwater Improvements Project: Grant funds will be utilized for the design and construction of culvert upgrades and drainage system enhancements. Improvements will lower the risk of flooding for the adjacent and downstream residential properties and roads and improve water quality in the watershed. Project is expected to consist of removal and replacement of a culvert system and removal and replacement/repair of failing streambank stabilization measures to restore flow capacity. Project location is the South Branch of Buffalo Creek at North Buffalo Run between W. Willow Dr, and W. Cliffside Dr. and the South Branch of Buffalo Creek crossing along West Cuba Road between Warwick Lane and W Chestnut Ridge Rd in Kildeer, IL. The project will benefit approximately 21 properties and 2 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Four Corners Drainage Improvements Project Phase 3: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. Improvements will lower the risk of flooding for the adjacent residential properties and roads and is expected to consist of removal and replacement of storm sewer structures and repair of failing drain tiles. Project location is along IL120 between Fairfield Rd and Wilson Rd in Avon Township and Grant Township in Unincorporated Round Lake, IL. The project will benefit approximately 10 properties and 3 roads. Property transfer was tabled by SMC on July 11, 2024 and discussions with potential project partners are ongoing.

Grassmere, Haverton, and Oaksbury Pond Drainage Improvements Project: Grant funds will be utilized for the design and construction of culvert upgrades, drainage system enhancements and wetland restoration. Improvements will lower the risk of flooding on local and major roads and re-establish stormwater conveyance and is expected to consist of removal and replacement culvert, road surfaces, new culverts, stabilization and restoration of existing drainage channels, and wetland restoration. Project location is along a tributary to Honey Lake between N. Bertha Lane to Carriage Road and between Scott Road to Signal Hill Road in North Barrington, IL. The project will benefit approximately 48 properties and 20 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Horatio Gardens Drainage Improvement Projects: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. Improvements will mitigate roadway and neighborhood flooding and is expected to consist of removal and replacement of storm sewers, related stormwater infrastructure, road surfaces, and utility relocations to improve capacity of the storm sewer system. Project location is an area bounded by Pauline Avenue, Canadian National Railway, Pope Boulevard, and Weiland Road in Vernon Township in Unincorporated Buffalo Grove, IL. The project will benefit approximately 117 properties and 10 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Lewis Avenue Detention Basin Project Phase 1: Grant funds will be utilized for the property acquisition and construction of a stormwater detention basin. Improvements will reduce the volume of storm water in the storm sewer system and a reduction of flooding to roadways and neighborhoods. Project is expected to consist of excavation for a new large detention basin, storm sewer system connections, and vegetation of the basin. Project location is located in the Pettibone Creek watershed between 20th Street and 21st Street and between Lewis Avenue and Kemble Avenue in North Chicago, IL. The project will benefit approximately 132 properties and 8 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on June 6, 2024.

Lewis Avenue Detention Basin Project Phase 2: Grant funds will be utilized for the construction storm sewer upgrades and drainage system enhancements. Improvements will mitigate roadway and neighborhood flooding upstream and downstream of the Phase 1 stormwater detention basin and is expected to consist of removal and replacement of storm sewers, related stormwater infrastructure, road surfaces and utility relocations to improve capacity of the storm sewer system. Project location on Broadway Avenue between Martin Luther King Jr. Drive to Seymour Avenue, on Kemble between 20th Street and 21st Street, and on 20th Street between Lewis Avenue and Sherman Avenue in North Chicago, IL. The project will benefit approximately 742 properties and 8 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on June 6, 2024.

North Branch Buffalo Creek Improvements at Bristol Trails Park Project: Grant funds will be utilized for the construction of channel improvements, streambank and wetland restoration for Buffalo Creek. Improvements will lower the risk of flooding for the adjacent and downstream residential properties and improve water quality in the watershed and is expected to consist of streambank stabilization, vegetative restoration, and wetland enhancement. Project location is the North Branch of Buffalo Creek at Bristol Trails Park in Lake Zurich, IL between Bristol Trail and Stanton Roads, west of Quentin Road. The project will benefit approximately 16 properties. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Northwood Subdivision Stormwater Improvements -Phase 1: Grant funds will be utilized for the construction of detention basin's, storm sewer upgrades and drainage system enhancements. This project is the first phase of a larger plan. Improvements will mitigate roadway, neighborhood, residential, and commercial flooding and is expected to consist of excavation for detention basins, removal and replacement of storm sewers, related stormwater infrastructure, road surfaces and utility relocations to improve capacity of the storm sewer system. Project location is within an area bounded by Pauline Avenue, Canadian National Railway, Armstrong Drive, and Weiland Road in Buffalo Grove, IL. The project will benefit approximately 90 properties and 19 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Rose Tree Drainage Outfall Remediation Project: Grant funds will be utilized for the design and construction of storm sewer upgrades, drainage system enhancements, and ravine stabilization. Improvements will improve water quality in the watershed and mitigate safety concerns to the adjacent neighborhood impacted by erosion. Project is expected to consist of removal and replacement of storm sewers, ravine stabilization, and re-grading and restoration of banks and areas adjacent to the work. Project location is in McDonald's Woods Forest Preserve near South Beck Road and Rose Tree Lane in Lindenhurst, IL. The project will benefit approximately 13 properties and 1 road. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Round Lake Drain Master Plan Project Phase 1: Grant funds will be utilized for design and construction of culvert improvements, drainage system enhancements, and streambank stabilization. This project is a component of a larger master plan from N. Village Drive to Rollins Road. Improvements will restore flow capacity and lower the risk of flooding for the adjacent, upstream, and downstream properties and roadways and is expected to consist of removal and replacement of a culvert, streambank stabilization, vegetative restoration, flood storage and restoration. Project location west of N. Village Drive, north of Long Lake Drive, west of Meadowbrook Drive, and south of Rollins Road along and adjacent to the Round Lake Drain and its tributaries in Round Lake Beach, IL. The project will benefit approximately 281 properties and 6 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Seavey Master Plan Project Phase 3: Grant funds will be utilized for the design and construction of channel improvements, drainage system enhancements, and streambank stabilization. This project is a component of a larger master plan from IL-83 to Little Bear Lake. Improvements will restore flow capacity, lower the risk of flooding for the adjacent properties and roadways, improve water quality and is expected to consist of streambank, and shoreline stabilization, vegetative and wetland restoration. Project location is on the Seavey Ditch east of Hazeltine Drive downstream to Lake Charles inlet in Vernon Hills, IL. The project will benefit approximately 357 properties and 5 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on June 6, 2024.

Skokie River Channel Improvements Project Phase 3: Grant funds will be utilized for construction of channel improvements, drainage system enhancements, and streambank stabilization. This project is the third phase of a larger plan. Improvements will restore flow capacity and lower the risk of flooding for the adjacent, upstream, and downstream properties and is expected to consist of grading, streambank stabilization, vegetative removal and restoration, flood storage and restoration. Project location is on the Skokie River adjacent to Danny Cuniff Park in Highland Park, IL. The project will benefit approximately 40 properties and 2 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

West Scranton Avenue Viaduct Project Phase 1: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. This project is the first phase of a larger plan. Improvements will mitigate roadway and neighborhood flooding and are expected to consist of the removal and replacement of storm sewer, related stormwater infrastructure, and road surfaces, installation of a water quality structure, and ravine stabilization. Project location is located along North Avenue and in the vicinity of the eastern terminus of North Avenue in Lake Bluff, IL. The project will benefit an entire community, approximately 20 properties and 4 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on July 11, 2024.

Windsor Drive Drainage Improvements Project: Grant funds will be utilized for the construction of storm sewer upgrades and drainage system enhancements. Improvements will mitigate structure flooding and street flooding and is expected to include a new parallel storm sewer system, utility relocations, removal and replacement of storm sewers, related stormwater infrastructure and road surfaces. Project location includes portions of Windsor Drive, Canterbury Road, Anglican Lane, Brunswick Lane, Westminster Way and Balzer Park in Lincolnshire, IL. The project will benefit approximately 100 properties and 12 roads. Intergovernmental agreement with Local Project Sponsor approved by SMC on June 6, 2024.