



Lake County

2022

Capital Priorities

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Linda Pedersen
District 01

Diane Hewitt
District 02

Dick Barr
District 03

Gina Roberts
District 04

J. Kevin Hunter
District 05

John Wasik
District 06

Carissa Casbon
District 07

Bill Durkin
District 08

Mary Ross-Cunningham
District 09 (Vice-Chair)

Jessica Vealitzek
District 10

Paul Frank
District 11

Paras Parekh
District 12

Sandy Hart
District 13 (Chair)

Angelo D. Kyle
District 14

Jennifer Clark
District 15

Terry Wilke
District 16

Michael Danforth
District 17

Julie Simpson
District 18

Catherine Sbarra
District 19

Marah Altenberg
District 20

Ann Maine
District 21

A letter from the Chair

Dear Federal Legislators,

Lake County appreciates your support of the Investment and Jobs Act that will bring much needed funding to modernize the country's aging infrastructure, stimulate our economy, and aid in the recovery from the COVID-19 pandemic.

Lake County is home to more than 700,000 residents and 30,000 businesses ranging from small family-owned shops and restaurants to big Fortune 500 corporate headquarters. Lake County is the gateway between the Chicago and Milwaukee metropolitan areas and serves as a key economical hub in the region.

The need for infrastructure investments in Lake County is greater than ever. The region saw massive growth and expansion in the 1940s, 1950s, and 1960s. To serve the growing population, Lake County built much of its infrastructure during this time to ensure people had roads to drive on, safe water to drink and access to essential services. Some of this infrastructure can still be found throughout Lake County through our emergency operations and 9-1-1 center, road designs and water and sewer lines.

Thank you for reviewing our list of Lake County capital projects. These investments in infrastructure will spur economic development, enhance public safety, improve traffic congestion, lead to better stormwater management and replace aging infrastructure that was built in the middle of the 20th century.

On behalf of the Lake County Board, we thank you for your support and advocacy for infrastructure investments at the local level, and appreciate your consideration of Lake County's capital projects.

Regards,

Sandy Hart
Lake County Board Chair



Stormwater Management

Over the last few years, Lake County has been experiencing more frequent and stronger rainfall events, which has resulted in increased flooding countywide. There has been an impact on storm sewer and detention design, floodplains, building protection, wetland requirements, and much more. With Lake County receiving between 20 and 45 percent more rain according to the Illinois State Water Survey, flood prevention measures, such as detention basins and storm sewers, will need expanded capacities, which leads to an increased cost of construction.

Lake County was devastated by flooding as recently as 2017. New investments would allow us to build new infrastructure to protect us from one of mother nature's greatest threats.

Priority Flood Mitigation Project:

Legislative District: Congressman Brad Schneider

US 41 & Skokie River Regional Flood Mitigation

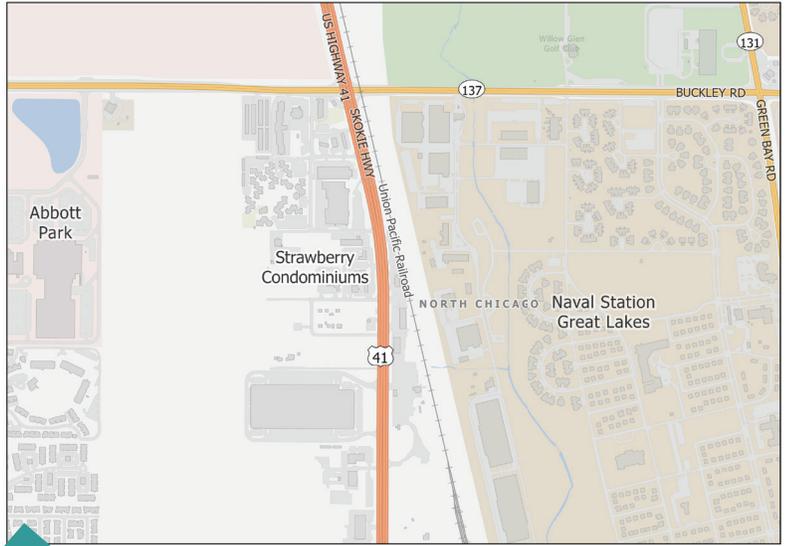
Project Summary:

This flood mitigation project will alleviate wide-spread flooding and drainage problems in North Chicago. This includes the installation of a 3,225-foot upsized storm sewer from Strawberry Condos & Bittersweet Ave to the Skokie River and replacement of box culverts with pipe. The project also includes replacing an outlet control structure with a new structure and 40 acre-feet of compensatory storage.

Project cost: \$10.4 million

Target construction year: 2025

Current status: Phase I Preliminary Engineering



project location

Key Benefits

- Alleviates wide-spread flooding in this area of North Chicago.
- Benefits the following local, county and state jurisdictions; the City of North Chicago (including private landowners), Illinois Department of Transportation (Route 41), Naval Station Great Lakes property, and company properties (Naval housing area).
- Addresses tributary drainage problems greater than 100 acres, flood protection for the Strawberry Condominiums from a major storm event or more and addresses known/reported flood problem areas in the watershed.
- Provides much needed flow capacity to the existing undersized storm sewer system that currently exists.
- Both culvert crossings to be removed/replaced are restrictors in the Skokie River, are in poor condition, and are subject to frequent debris-jams that exacerbate flooding in this area.
- The new outlet control structure and upsized storm sewer will alleviate overbank flooding on the north end of the pond which floods the Strawberry Condominium homeowners.
- Compensatory storage allows for the upstream improvements proposed upstream of the Skokie River and within the Skokie River without adversely impacting downstream communities.



STORMWATER MANAGEMENT COMMISSION



Priority Flood Mitigation Project:

Lake Bluff Viaduct at Scranton Avenue

Legislative District: Congressman Brad Schneider

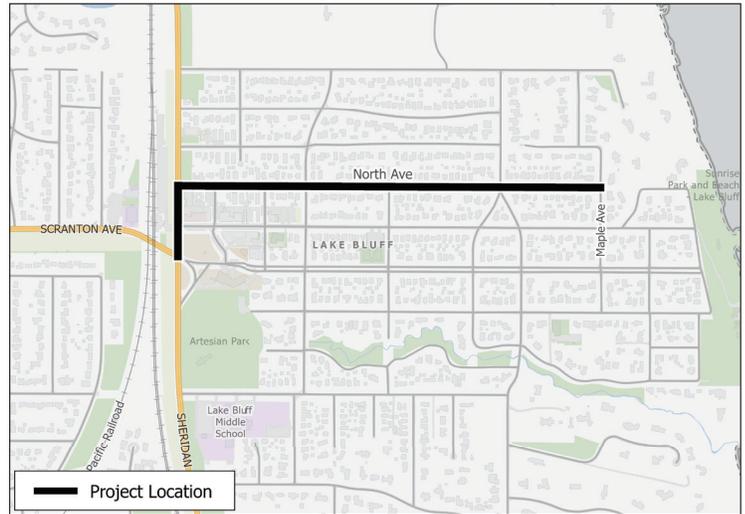
Project Summary:

New upsized storm sewer to drain the viaduct area and realign the new storm sewer north along Sheridan Road and east within the North Ave right-of-way toward Lake Michigan. Construction of a new 60-inch trunk storm sewer along North Ave (Scranton Avenue to Maple Avenue), a new 72-inch storm sewer outlet within the adjacent ravine, and an overflow structure and stabilized channel at the Lake Michigan outlet. Abandon the existing downstream IDOT storm sewer and upsize the upstream storm sewer on Scranton Avenue.

Project cost: \$16 million

Target construction year(s): 2022-2024

Current status: Phase I Preliminary Engineering.



project location

Key Benefits

- Allows for increased flow capacity and a stabilized flow route to Lake Michigan without eroding and overwhelming the existing adjacent ravine system.
- Stabilizes the storm sewer outlet leading to Lake Michigan with riprap and reduces flow velocity from the system, mitigating erosion and sedimentation along the shoreline.
- Keeps the viaduct open during flood and storm events. This viaduct is the only permanent access road for emergency vehicles to cross the Union Pacific Railroad tracks, vital for the health and safety of local residents, employment and commerce.
- Provides much needed flow capacity to the existing undersized storm sewer system that is currently in place.
- Allows for future drainage improvements to be tied into the new system.
- Identified in the village-wide Stormwater Master Plan as a priority drainage improvement.



STORMWATER MANAGEMENT COMMISSION



Priority Flood Mitigation Project:

Sylvan Lake Dam Modifications

Legislative District: Congresswoman Lauren Underwood

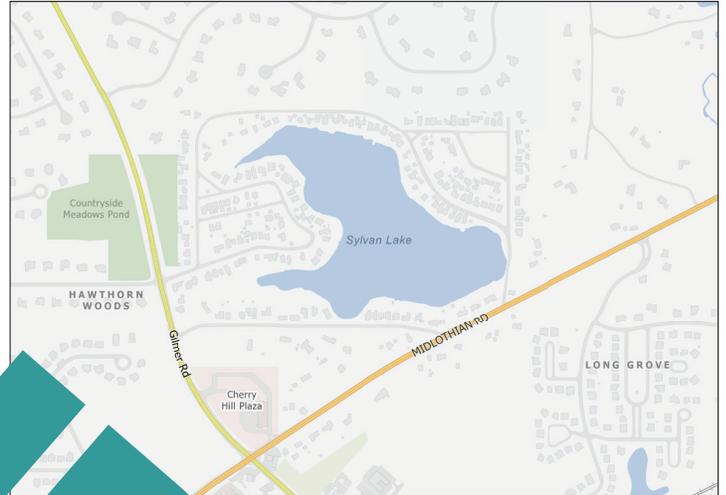
Project Summary:

Stabilizes the upstream face of the dam to a minimum of 2-feet above the water line with riprap and sheet piling. A steel sheet pile cutoff wall extends across the face of the dam structure and a compacted clay liner that will be used in all hydrologically sensitive areas and trenches, along with replacement outlet structures for the dam with a more modern design. Shows for dewatering as needed.

Project cost: \$1.4 million

Target construction year(s): 2022

Current status: Phase I Preliminary Engineering 95% complete, IDNR and US Army Corps of Engineers permits obtained.



project location

Key Benefits

- Prevents impending failure of the existing dam, which is approaching 100 years old. The dam structure is in poor condition and are heavily fractured. The dam was constructed of earth fill with little reinforcement. Comp
- Protects 137 homes downstream in the Indian Creek Club subdivision.
- Protects 289 homes near Sylvan Lake serviced by the above ground sanitary sewer.
- Prevents further flooding and erosion along the Sylvan Lake Drain and at Highland and Midlothian roads.



STORMWATER MANAGEMENT COMMISSION



Priority Flood Mitigation Project:

Dady Slough Flood Storage & Wetland Enhancement

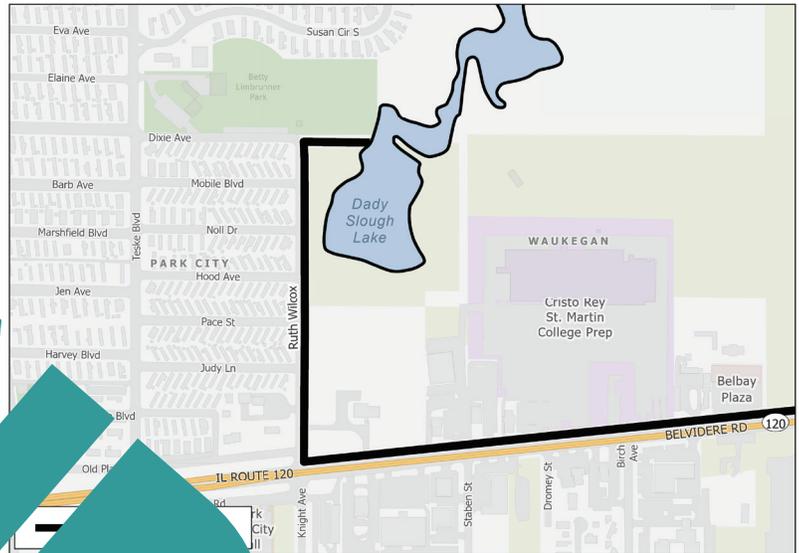
Legislative District: Congressman Brad Schneider

Project Summary: Property acquisition, excavation for flood storage, restoration of wetlands, and construction of levees in and around the lake, along the boundary between Park City and Waukegan provides regional flood reduction and reduces flood-related damage to transportation infrastructure, homes, and businesses.

Project cost: \$4 million

Target construction year(s): 2022

Current status: Phase I Preliminary Engineering completed in 2020, final scoping and design to be completed in 2022.



project location

Key Benefits

- Increased flood storage capacity and detention in the Skokie River headwaters area.
- Reduces flooding impacting transportation, health, and safety during minor and moderate events.
- Reduces flood-related damages to public infrastructure (primary (2) and secondary (3)), residential properties (863), and business disruptions (25), which create financial and economic hardship.
- Wetland enhancements improve water quality, food, and habitat for fish and wildlife.
- Provides greater public access and opportunities for recreation, education, and research for residents and students of nearby Cristo Rey Magnet School.
- Lake County All-Natural Hazard Mitigation Plan identifies flood storage and detention as a priority action for the North Branch of the Chicago River Watershed.



STORMWATER MANAGEMENT COMMISSION





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