



**DUPAGE
COUNTY**

Watershed
Management

Water
Quality

Floodplain
Mapping

Regulatory
Services

Flood Operations
& Maintenance

Shared
Services



STORMWATER MANAGEMENT

MEMORANDUM

TO: Stormwater Management Planning Committee

FROM: Sarah Hunn, P.E., Director- DuPage County Stormwater Management

SUBJECT: Stormwater Program Update August 2024

DATE: August 6, 2024

Watershed Planning

Lacey Creek Watershed Plan:

The county consultant working on this plan has completed an analysis of 10 different projects and alternatives to address flooding concerns within the watershed. Discussions regarding potential projects at Highland Avenue have occurred with DuDOT staff. A revised draft watershed plan has been reviewed by staff, and comments from other stakeholders are expected by the end of July.

Facilities/Operations/ Shared Services Projects

Shared Services/Drainage Projects:

Under the drainage program, the department's in-house crew completed improvements in unincorporated Glen Ellyn to compliment a project recently completed by the on-call contractor.

The Stormwater Maintenance Crew continues to work on stream blockages as they are reported, along with property maintenance of more than 100 properties managed by the department countywide.

Facilities/Operations:

Many of the County's flood control facilities operated due to very intense rainfall that occurred during three separate events beginning late Saturday night July 13th through Monday night July 15th. Rain gages in and around DuPage County recorded rainfall amounts ranging from 2.5 to 6.3 inches over the course of three days. This triggered the operation of our Elmhurst Quarry, Wood Dale – Itasca Reservoir, Spring Creek Reservoir, and Armstrong Park flood control facilities, as well as many smaller gravity-operated systems. Currently, stream elevations have receded and pump back operations from our larger facilities are underway.

Staff is working with two design firms on upgrades to the Armstrong Park Flood Control facility, where an emergency generator will be installed. The generator was bid as a standalone item, while the civil engineering plans and permitting associated with the installation is underway.

Water Quality

Staff continue working with our consultant on the design of the Winfield Creek/Campus Stream Stabilization Project. This project is funded by the IL EPA and is anticipated to be constructed in 2024.

Work continues on the IL EPA funded Watershed-Based Plan for the north half of the West Branch DuPage River, which includes working with a consultant on an HSPF water quality model. The plan is scheduled to be completed by the end of 2025.

Regulatory

The Regulatory Group is currently facing a significantly higher pre-application workload compared to previous years, indicating an exceptionally busy period for our team. Our staff is diligently processing permit submissions, ensuring that all reviews stay on track.

ARPA Projects

The St. Joseph Creek Condominiums flood gate and flood wall project is expected to be awarded at the August Stormwater Committee and County Board meetings. The project is located within the Village of Lisle and will provide flood protection to three condominium buildings through a series of flood walls, gates, and associated pump stations and storm sewer. The project has been split into two due to multiple funding sources (FEMA and ARPA). An agreement for the project has been approved and signed by the HOA Board, and is being presented at the August 6 Stormwater Committee for approval. Once awarded, staff will begin to work with the contractor(s) on construction schedules so the projects can commence as soon as possible.

Located in unincorporated Lombard, the Luther - High Ridge Stormwater project was awarded to the lowest responsible bidder (Martam Construction, Inc.) in July by Stormwater Committee and County Board. Staff is currently working with the contractor to schedule a preconstruction meeting in anticipation for breaking ground as soon as possible. The project includes extensive storm sewer installation and associated clearing and restoration. Due to an endangered species in the area (Northern Long Eared Bat), clearing activities will not begin until November 1, 2024 at the earliest. Once complete, the project will reduce flooding along Luther Avenue south of Roosevelt Road and alleviate ponding from several areas north of Roosevelt Road.

The Main Street Storage Basin project in Lisle has met substantial completion. Remaining work includes addressing all punch list items and planting of more than 130 native trees and shrubs.

Additional ARPA projects being overseen by in-house staff are still making progress. Country Club Highlands Phase II in unincorporated Elmhurst and is expected to be complete in the Summer of 2024.