



DUPAGECOUNTY

STORMWATER MANAGEMENT

American Rescue Plan Act

Using COVID funds to address flooding in DuPage County

Jamie Lock, CFM, P.E., Chief Stormwater Engineer

Love Blue. Live Green.



Who Are We?



Stormwater Management in DuPage County

- Countywide program established in 1989
- Guided by the Stormwater Management Planning Committee & Plan
- Enforce the Countywide Stormwater Management & Floodplain Ordinance
- Flood Control Facilities have a floodwater capacity of nearly 6 billion gallons

Programs

- Watershed Management
- Water Quality
- Floodplain Mapping
- Regulatory Services
- Flood Control Operations & Maintenance
- Shared Services

American Rescue Plan Act (ARPA)



ARPA Overview

- DuPage County received \$179.3 million in ARPA funding
- Departments and Local Agencies received shares, including Stormwater Management Department
- Flood Control and Water Quality Projects both eligible expenses
- In total, Stormwater Management Department received **~\$22,000,000** in ARPA funds

Stormwater Management ARPA Spending

- Capital Projects: ~\$20,000,000
 - DuPage County Stormwater Management Projects
 - Municipal Projects (\$8M)
 - Township Drainage Projects (\$1M)
- Consulting Contracts: ~\$1,100,000
- Staff: ~\$900,000
- Guidelines: Must meet State Revolving Loan Fund criteria, must be OBLIGATED by Dec 2025 and SPENT by Dec 2026

ARPA Municipal Grant Program



Program Parameters

- Allocated \$8,000,000 to this program
- 50/50 cost share or up to \$500,000 per project
- All funds must be spent by December 2024 (Shovel-Ready)
- Must meet ARPA spending criteria
- Grant application period open from February 2022 until April 2022
- Available only to DuPage County Municipalities

ARPA Municipal Grant Program



Application Development

- Established a comprehensive Grant Funding Packet
 - Project Compliance Criteria
 - Project Prioritization Criteria & Grading Scale
 - Administrative Policies & Processes
- Created a Virtual Funding Application

Outreach

- Announced via DuPage Mayors & Managers Conference
- Sent a letter to all DuPage County municipalities
- Presented at monthly Municipal Engineers Group meeting
- Published weekly FAQs

The screenshot shows the official website for the DuPage County Stormwater Management ARPA Grant. The header includes the DuPage County logo, the text "THE COUNTY OF DUPAGE WHEATON, ILLINOIS", and navigation links for News, Meetings, Careers, Directory, and Contact Us. A search bar and a language selection dropdown are also present. The main navigation menu includes links for HOME, I WANT TO, COURTS, PROPERTY INFO, SERVICES, COUNTY BOARD, ELECTED OFFICIALS, and DEPARTMENTS. The page content is titled "Stormwater Management" and features a sidebar with links to Stormwater Home, Overview, About Us, ARPA Grant, Contact Information, Drainage Program, Floodplain Mapping, Natural Areas, News & Press Releases, and E-Newsletter Signup. The main content area includes a breadcrumb trail (Home > Departments > Stormwater Management), the title "DuPage County Stormwater Management ARPA Grant", a paragraph describing the grant's purpose, and several links: "View DuPage County Stormwater Management ARPA Grant Recipients", "Application Information", "DuPage County ARPA Grant Funding Packet", and "DuPage County ARPA Grant Frequently Asked Questions (FAQs)".



DuPage County American Rescue Plan Act Grant Proposal Application

[DuPage County American Rescue Plan Act Project Proposal Packet](#) (PDF)

*Please complete this form and attach applicable documents by the application deadline of Thursday, April 21, at 5 p.m. CST. Note that work not submitted will not be saved.

Name of Watershed *

Project Title *

Applicant Contact Information

Legal Organization Name *

Organization Contact Name *

Title *

Street Address *

City, State, Zip Code *

Phone Number *

Email Address *

Project Information

Project Description *

Please include project design specifications, information about who will implement the project, and how the project will be accomplished and who will be responsible for maintenance.

Project Construction Description *

Please include how and when the project will be constructed.

Estimated Project Start Date *

Estimated Project End Date: *

Note: Projects must be substantially complete and funds spent by December 31, 2024.

Summary of Benefits

Describe your Project Benefits. Please refer to the "Project Prioritization Criteria" for additional details.

Inter-Jurisdictional Benefits *

Flood Hazard Reduction Benefits *

Structural Damage *

Flood Protection or Mitigation of a critical facility? *

Yes No

(e.g., hospitals, fire stations, police stations, storage of critical records, etc.)

Name and Type of Facility

Recommended in a DuPage County-adopted Watershed Management Plan? *

Yes No

Recommended in a local planning document? *

Yes No

Name of Plan (Include page number)

Readiness to Proceed

For all properties where in-the-ground construction will occur, the Applicant shall obtain and provide copies of appropriate land rights (e.g. recorded permanent easement) and all applicable permits.

Do you or will you have prior to grant award necessary easement(s)? *

Yes No

Do you or will you have prior to grant award necessary permit(s)? *

Yes No

Statement of Local Commitment by Applicant

Has sufficient matching funds? *

Yes No

Has sufficient staff capacity? *

Yes No

Will comply with all applicable ordinances, laws, and policies? *

Yes No

Project Attachments

Please include the following attachments.

*Please note: The maximum file size for uploads is 25MB per form submission. If you need to submit more documents, please email them to: stormwatermgmt@dupagesco.org

File types that can be uploaded are: jpg,jpeg,png,pdf,doc,docx,csv,xls,xlsx,zip

Location Map & Project Site Photos

No File Chosen

Detailed Project Description

No File Chosen

ARPA Municipal Grant Program



Staff Review

- Review based on criteria published in the Grant Funding Packet
- Shovel-ready and/or resilient?
- Evenly distributed among DuPage County Board Districts
- Made recommendations to the Stormwater Management Planning Committee based on available funds

Bonus Considerations

- Resilient Projects
- Environmental Justice Areas
- Critical Infrastructure

Incremental bonus credit will be given for the following:

- Projects that reduce flooding to critical facilities.
- Projects that have a greater than 50% non-DuPage County ARPA cost-share.
- Projects within Environmental Justice Areas.
- Measure recommended in a DuPage County-adopted watershed plan and/or local planning document.

Project Prioritization Criteria			
Rank	Criteria	Maximum Possible Weight	Score (Weight x Rating)
1	Interjurisdictional benefits	25	
2	Flood hazard reduction benefits	20	
3	Structural damage reduction	20	
4	Water quality benefits	10	
5	Natural resource benefits	10	
6	Nuisance flood reduction	5	
7	Multiple use benefits	5	
8	Outside funding utilization	5	
9	Public education component	5	
Bonus Credit		Maximum Possible Points	Score
Critical facilities		5	
Greater than 50% non-DuPage County ARPA cost-share		5	
Projects within Environmental Justice Areas		5	
Measure Recommended in a DuPage-adopted watershed management plan and/or local planning document.		5	
Weighted Score Total			
Total project cost			
Applicant cost share			
Applicant's DuPage County ARPA funding request			
Staff recommendation for DuPage County ARPA funding			

Rating: 0=no effect, 1=minimal effect, 2=below average effect, 3=average effect, 4=above average effect, 5=maximum effect practicable

ADMINISTRATIVE POLICIES

Recommendations for DuPage County ARPA funding will be made by the DuPage County Stormwater Management Planning Committee during its regularly scheduled meetings. All recipients will enter into IGAs voted on by both the Stormwater Committee and DuPage County Board, as well as applicable municipal governing bodies.

ARPA Municipal Grant Program

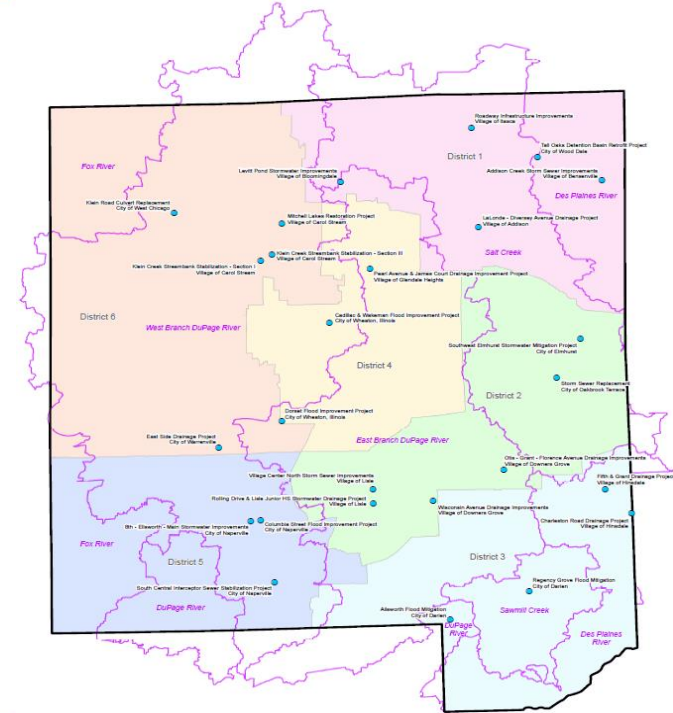


Selections

- Received 31 applications from 18 municipalities
- Funding requests totaled \$9.6 million for projects totaling \$48.5 million
- 26 projects selected from 17 municipalities
- Total allocation \$8,090,548
- Intergovernmental Agreements (IGA) with each selected project

Progress

- 16 projects completed - \$5M paid out
- 2 projects ongoing
- 8 projects scheduled for Spring 2024



ARPA Municipal Grant Program



***Carol Stream Project
Streambank Stabilization***

ARPA Township Grant Program



Township Grant Program Parameters

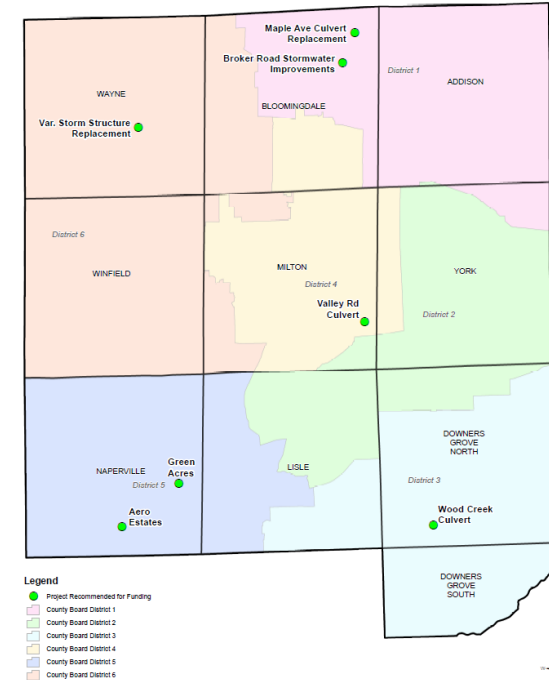
- Allocated \$1,000,000
- 100% funding opportunity for qualifying expenses, up to \$100,000 per project
- All funds must be spent by December 2024 (Shovel-Ready)
- Must meet ARPA spending criteria
- Grant application period open for 30 days (August 2022 – September 2022)

Application Process

- Request on Letterhead from Township
- Project Compliance Criteria

Outreach

- Announced at Township Highway Commissioners Meeting
- Letter to all DuPage County Highway Commissioners



ARPA Township Projects



*Valley Road, Unincorp. Lombard (left)
Maple Ave, Unincorp. Bloomingdale (below)*





DUPAGECOUNTY

STORMWATER MANAGEMENT

Love Blue. Live Green.



Country Club Highlands

Unincorporated Elmhurst, DuPage County



Country Club Highlands



Existing Conditions

- Longstanding drainage concerns in unincorporated Elmhurst
- Multiple homes and roadways flooded
- Existing failing & undersized infrastructure

Previous Studies

- July 2004 Wilson & Willow drainage report
- November 2005 Wilson & Willow plans
- 2005 Preliminary Engineering plans – Willow & Grand
- June 2014 Crown Estates Subdivision

Implemented Solutions Fall Short

- Storm Sewer Installation wasn't enough
- Easements could not be obtained



Country Club Highlands



2019 Drainage Study

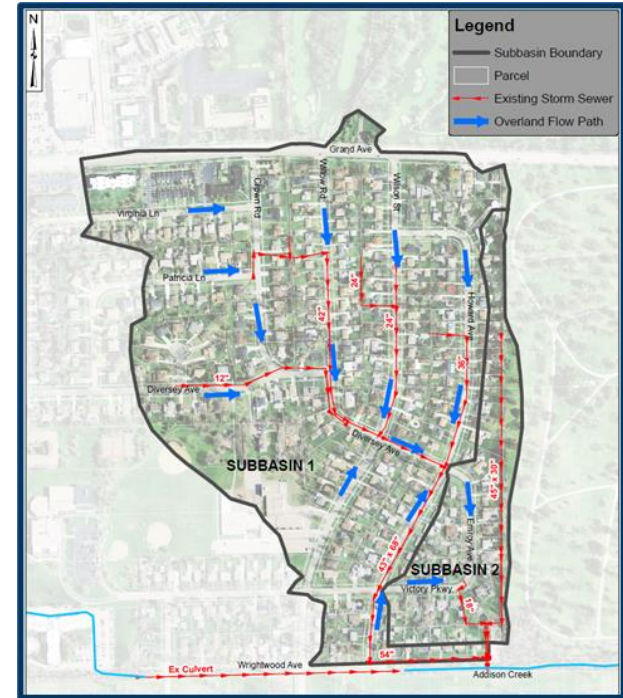
- Restudied entire subdivision
- Existing Level of Service = 5 year event
- 6 Alternatives Evaluated, focusing on SE portion of subdivision
- Replace and enhance existing failing infrastructure
- Improvements protect up to 100 year event
- No downstream impacts to Addison Creek

Public/Private Partnership

- Addison Township Highway Department
- Illinois American Water
- 3 private properties

Funding

- Applied for Federal DCEO funds in 2020 – DENIED



Country Club Highlands Ph I

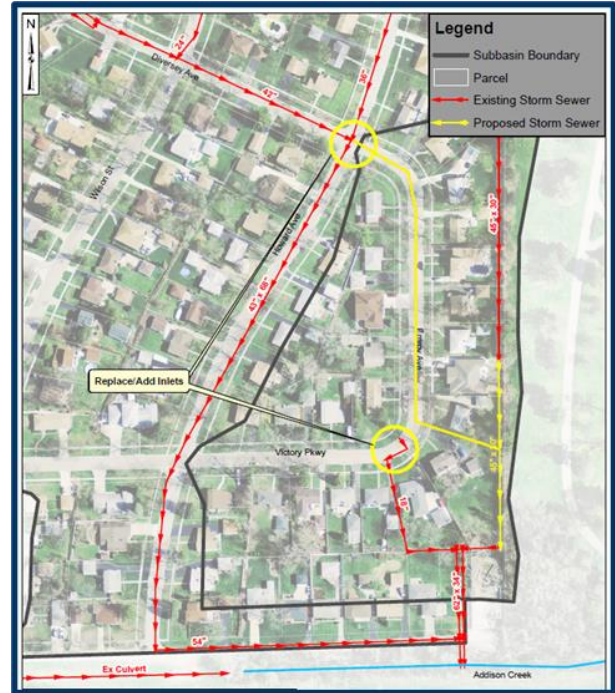


Final Plan

- New storm sewer on Emroy/Victory
- High Capacity Inlets at intersections (3 total)
- New 42" storm sewer connection through two side yards
- Replace 48" storm sewer
- New outlet into Addison Creek

Budget

- Estimate to Construct: ~\$1.3M
- Bid came in at \$654,000!



Country Club Highlands Ph I



***Country Club Highlands,
Unincorporated Elmhurst***

Substantially Completed 2022



Country Club Highlands Ph II



Enhanced Drainage Study

- Focus on Willow Ave & Crown Ave
- Existing Level of Service = 5 year event
- Flooding homes at 25 year event
- Enhance existing infrastructure
- Improvements protect up to 100 year event
- No impacts to downstream existing storm sewer

Public/Private Partnership

- Addison Township Highway Department
- Illinois American Water
- All improvements in Road Right of Way



Country Club Highlands Ph II

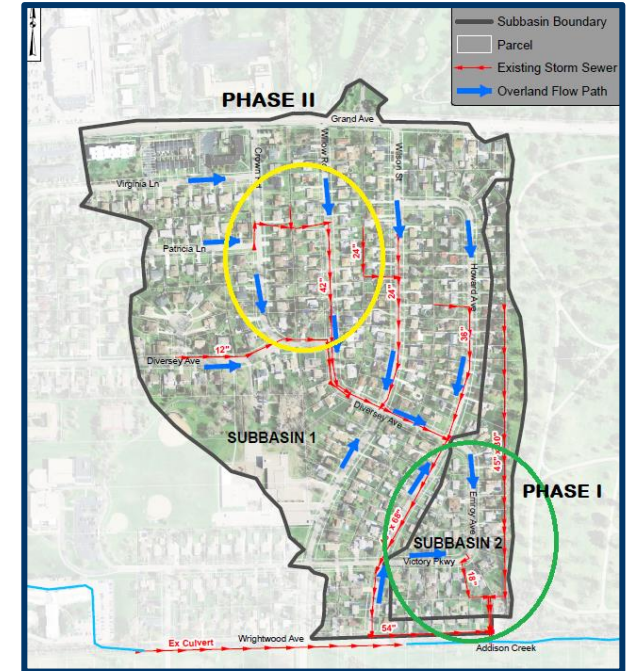


Final Plan

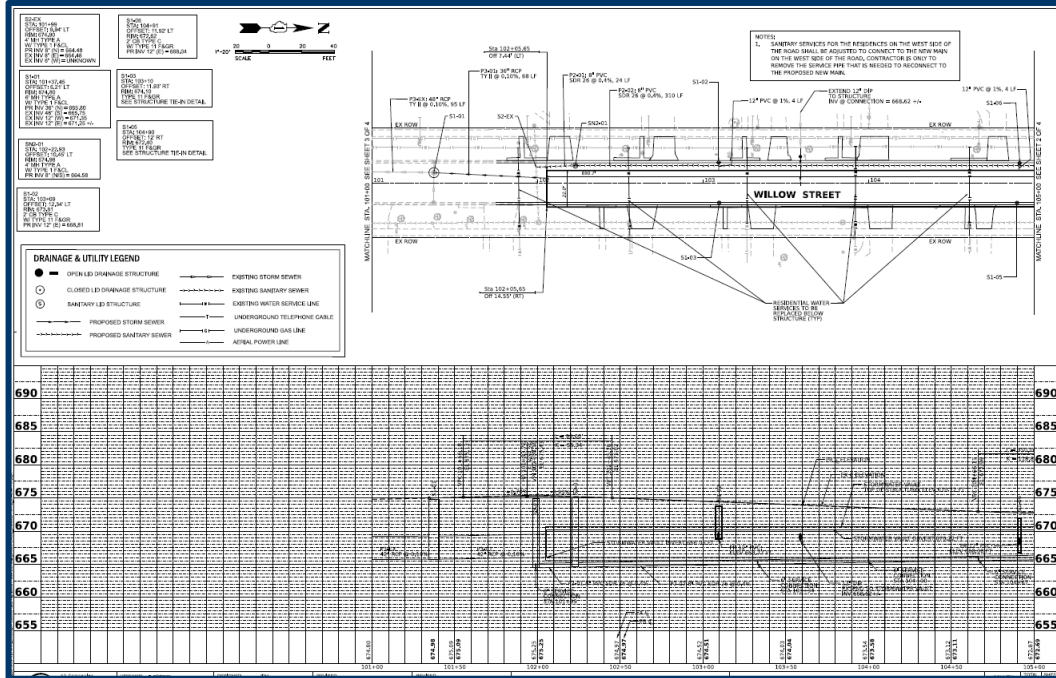
- Construct new storm sewer on Crown Ave
- Replace existing Willow Storm Sewer w/ Underground Storage
- Install new water main
- Modify sanitary services
- Tie improvements into existing downstream infrastructure

Funding

- Bid: ~\$2,700,000 - Fully funded by ARPA



Country Club Highlands Ph II



Construction Starts Next Week!

- ✓ Preconstruction Meeting
- ✓ Materials Procured
- ✓ Residents Notified

Key Takeaways



Grant Tips

- Transparency is so important
- Stick to the published Grant Funding Packet
- Assemble a review team with diverse backgrounds
- Designate a leader to answer all questions, update FAQs, etc. – everything grant-related goes through them
- Use existing resources (thanks Lake County SMC!)

Project Tips

- No project is too large, but have a Plan B
- Listen to/ trust the public
- Continue fostering relationships. The most gets accomplished when you are working together!

And don't forget...

- You will have to defend your grant program and project selections, so make sure you can back up your work

Questions?



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