



Northfield Cannon River Flooding 2024

City Council
November 19, 2024



Northfield Cannon River Flooding 2024

- Downtown flooding recap
- Flood prediction
- Communication/Feedback
- Federal grants for flood wall
- Damages
- Future Flooding/Preparation

Historic Flood levels



- 901.52 ft on 06-23-2024
- 901.50 ft on 09-24-2010
- 901.30 ft on 09-24-2016
- 899.70 ft on 06-20-2014
- 899.45 ft on 07-13-2013
- 899.10 ft on 03-22-2019

Downtown flooding recap

901.52ft – Sunday 6/23/24



Downtown flooding recap

901.52ft – Sunday 6/23/24



City Emergency Plan



- Prioritizes city efforts to protect public infrastructure
 - Waste water treatment plant
 - Lift station
 - Wellhouses
 - Roads and bridges
- Prioritizes city staff on safety efforts and mitigation efforts for public infrastructure
- Makes efforts to coordinate communication to the public



Flood Prediction



- National Weather Prediction Service
- NOAA and NWS
- Uses historical rain event data and river gauge levels as predictor for current and future events.



Communication/Feedback



- Are the emails helpful, or do you monitor the current conditions on your own?
- Do you monitor city facebook, website?
- Are you signed up for alerts, from city news, or everbridge?



City of Northfield, Minnesota

June 23 · 🌐

The National Weather Service (NWS) has issued a Flood Warning for our area through the end of the week. The rain has stopped for the most part. There may be additional quarter inch of rain and possible thunderstorms Monday night. City staff have been working with the National Weather Service (NWS) to evaluate the effect the past rainfall has had on river levels in the area as well as forecasting additional rain potential. Please stay weather aware.

Follow the NWS for weathe... [See more](#)



City of Northfield Downtown Flood Study Grants



- Flood Mitigation Assistance & Building Resilient Infrastructures & Communities
- Presented to the City Council February 20, 2024

West Bank Floodwall



Imagery Source: Nearmap 09/15/2023

Alt 1-2 Floodwall Extension

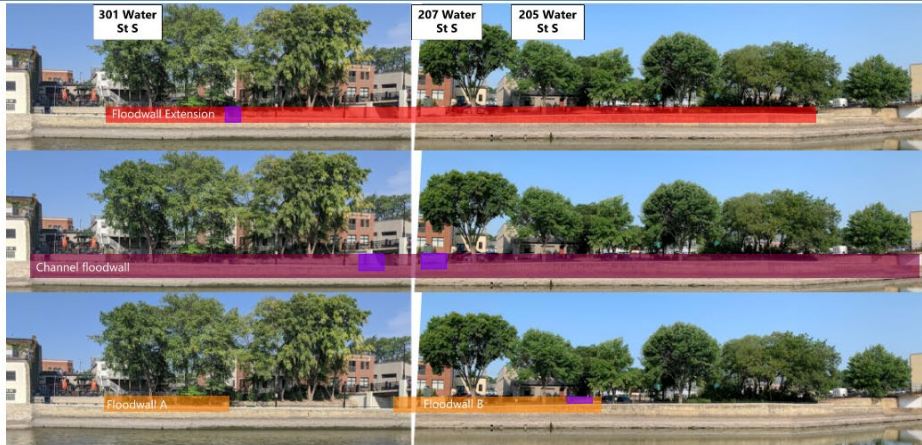
- Top of Wall = 904
- Length = 415 feet
- Temporary Closures = 1

Alt 1-3 Channel Floodwall

- Elevate Riverwalk = 901.5
- Top of Wall = 904
- Length = 500 feet
- Temporary Closures = 2

Alt 1-4 Two Floodwalls

- Top of Wall = 904
- Length A = 135 feet
- Length B = 230 feet
- Temporary Closures = 1



Survey Contours

- Index (10-Foot Interval)
- Intermediate (1-Foot Interval)

LIDAR Contours

- Index (10-Foot Interval)
- Intermediate (1-Foot Interval)



Note: Legend, Scale, and North Arrow reference the plan view only.

**NORTHFIELD DOWNTOWN
FLOOD STUDY**
Area 1 Alternatives
205-301 Water St.

FIGURE A-1

Stadium Floodwall & Dry Floodproofing (Area CC2)



West Gym Closure (Area CC3)



City Damages/Cleanup



- Debris/Sandbag Removal
- Babcock Park Softball Field
- Babcock Park Electrical
(Rodeo Grounds)
- Ames Park Electrical

Future Flooding Steps



- Site visits with Elected Officials
- Revisit Private Property assistance
- Applied for Hazard Mitigation Assistance Grants
 - West Bank Floodwall
 - Carleton Stadium/West Gym
 - Additional Pump/Sandbag Machine

Question

Thank you