

Innovative Approaches to Stormwater Management in Milwaukee

30th Street Corridor Wet Weather Relief Project

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30th Street Industrial Corridor



Integrated Regional Stormwater Management Program

Mission:

Recommend improvements in areas that are prone to chronic stormwater flooding upstream of the regulatory floodplain due to disruption of overland flow paths through land development and/or constrained storm/combined sewer capacity.

Consider:

- Redevelopment
- Environmental remediation
- Job creation/retention
- Restored economic vitality
- Safe neighborhoods
- Water quality
- Green infrastructure initiatives



Modeling

- Simulate various storm events
- Characterize the capacity of the existing drainage system
- Develop concepts for flood management improvements





Recommended Plan



East Basin



East Basin



North Basin



North Basin



Sustainability

- ISI Envision Checklist updated throughout design
- Reduction in flood risk
- Reduction in impervious area
- Enhancements to public space
- Removal of contaminated soil
- Beneficial reuse of excavated material
- Native plantings
- LED lighting
- Crime Prevention Through Environmental Design
- Meaningful public outreach



Transferability to the Calumet

- Similarities between The Corridor and the Calumet
 - Dense urbanized area, limited green space
 - Strained by frequent flooding
 - Limited downstream drainage capacity
 - Limited resources to address the problem
- Lessons learned that can be applied to projects in the Calumet
 - Projects like these take time
 - Multi-benefit solutions are preferred
 - Outreach to the community is critical
 - Partnerships between agencies are key to success



THANK YOU

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