

Calumet County Potential Mitigation Actions

STOCKBRIDGE
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Potential Mitigation Actions
Calumet County, WI

Flooding Stakeholders:

- Community / Landowner
 - Floodplain
 - Low land
 - High land
- Developers
- Government
 - Infrastructure
 - Regulatory compliance



Stakeholders Identify 'Acceptable Risk'



Backyards



Basements

Acceptable Risk?

- Flooding every 2 years
- Flooding every 10 years
- Flooding every 25 years
- Flooding every 100 years



Businesses

Stakeholders Identify 'Acceptable Cost'

- Loss of Life
- Property Damage
- Business Interruption
- Infrastructure Damage
- Quality of Life

Acceptable
Risk
vs.
Acceptable
Cost



Flood Mitigation Actions - Government

■ Adopt Development Standards & Ordinances

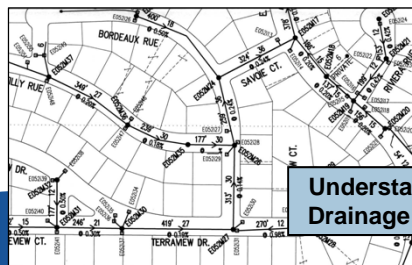
- Residential vs. Industrial Land Use
 - Local Street vs. Highway
 - Minor vs. Major Component
 - Local, County, State, Federal
- Protect Life, Health, Property
 - Emergency Vehicle Access
 - Business Interruption
 - Infrastructure Damage



Flood Mitigation Actions - Government

■ Inventory & Map Drainage System / Hazards

- Bridges, culverts, storm sewer
- Identify flood prone low areas
- 100-year floodplains, depressions



Understand Your
Drainage System



Flood Mitigation Actions - Government

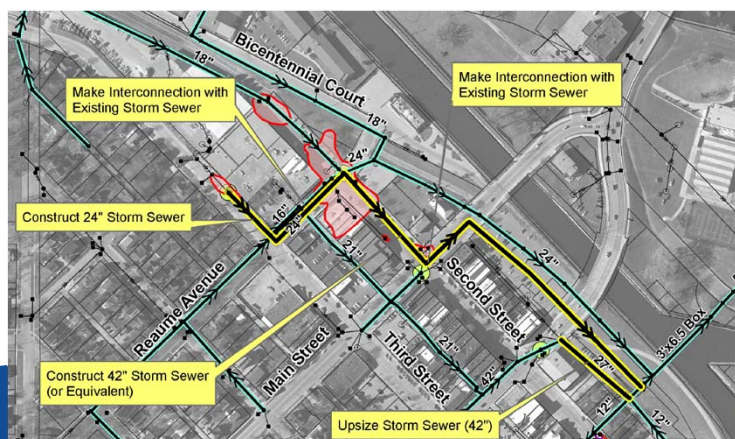
Evaluate Existing Drainage System Performance



- Big Picture
- Understand Interaction of System Components

Flood Mitigation Actions - Government

Develop Long-Term Capital Improvement Plan



Flood Mitigation Actions - Government

- Implement Long-Term Capital Improvement Plan



Flood Mitigation Actions - Government

- Operate & Maintain the Drainage System

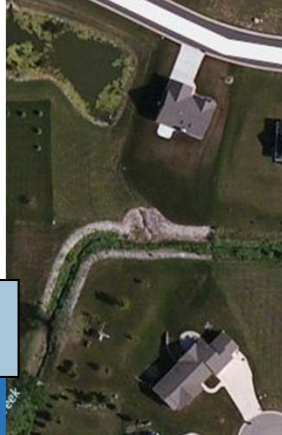


Flood Mitigation Actions - Government

■ Develop Public Education Strategies



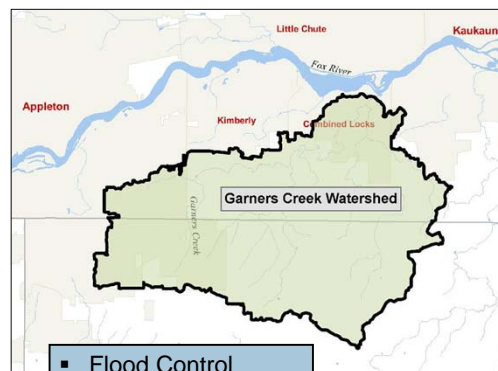
Unwary
Property
Owners



Flood Mitigation Actions - Government

■ Create Funding Mechanism, If Needed

- Property Tax
- Debt / Bonds
- Special Assessment
- Tax Incremental District
- Stormwater Utility
- Grant Funding



- Flood Control
- Stream Erosion
- Stormwater Quality

Flood Mitigation Actions - Landowner



Preserve:

- Woodlands
- Wetlands
- Depressions
- Natural Storage



Bare Soil = More Runoff

Flood Mitigation Actions - Landowner



Direct Driveway
Runoff to Grass Area

Flood Mitigation Actions - Landowner



Flood Mitigation Actions - Landowner



Flood Mitigation Actions - Landowner



Porous Pavers for
Parking Lot Runoff

Flood Mitigation Actions - Landowner



Surface Storage
for Parking Lot
Runoff

Flood Mitigation Actions - Landowner



High Wind / Tornado Hazard

Potential Mitigation Actions

- Community Tornado Shelters
- Notification Systems
- Mobile Trailer Tie Down Ordinances
- Safe Rooms in Buildings
- Increased standard of building code
- Window film to resist wind driven debris