# **STORMWATER UTILITIES**

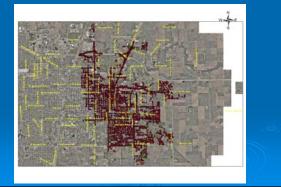


William R. Gray, Public Works Director Gale L. Jamison, Assistant City Engineer Bradley M. Bennett, Civil Engineer

# **URBANA'S SEWER SYSTEMS**

STORM SEWER SYSTEM	SANITARY SEWER SYSTEM
129 MILES OF PIPE	101 MILES OF PIPE
7,763 INLETS AND MANHOLES	2,216 MANHOLES
PIPE SIZE 6-INCHES TO 120-INCHES	PIPE SIZE 5-INCHES TO 15-INCHES
FUNDING SOURCE – GENERAL REVENUES	FUNDING SOURCE – SEWER BENEFIT FEE
2009-2010 BUDGET \$371,360	2009-2010 BUDGET \$1,454,150

**URBANA'S STORM SEWER SYSTEM** 



# **URBANA'S STORMWATER** PROGRAM

#### > QUANTITY RELATED ACTIVITIES

- Storm sewer pipe, manhole, and inlet repair or replacement
- Ditch grading and mowing

- Boneyard Creek inspection and maintenance
  Regional detention facility maintenance
- Hazardous sump pump discharge elimination program
- Responding to citizen drainage concerns and property flooding issues

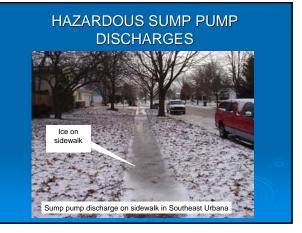


# VINE STREET VIADUCT PUMP STATION Flooding at discharge of Vine Street Pump Station









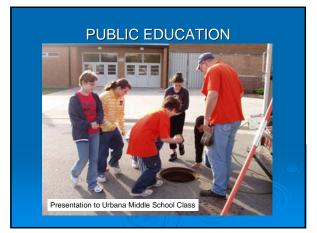


# URBANA'S STORMWATER PROGRAM

> QUALITY RELATED ACTIVITIES (NPDES PHASE II)

- New stormwater regulations (federal mandate)
- New required activities (Best Management Practices):
  - Public education / publi
  - Erosion control
  - Policiton inspection and prevention
  - Post-development stormwater management
     Changes in operations at municipal facilities
  - New enforcement requirements
- Recordkeeping and annual reporting

NO ADDITIONAL STAFF OR FUNDING PROVIDED TO IMPLEMENT NPDES PHASE II REQUIREMENTS









# WHAT IS A STORMWATER UTILITY?

- A plan to accomplish long-term stormwater management
- A funding mechanism to implement and support the plan

# WHY CONSIDER A STORMWATER UTILITY?

- Allows for implementation of an effective stormwater program
- > Provides a dedicated funding source
- Funds mandated state and federal programs
- Provide an equitable fee schedule to implement programs
- > Frees up general fund for other services

### OTHER COMMUNITIES WITH STORMWATER UTILITIES

- > Rantoul, IL
- > Bloomington, IL
- > Normal, IL
- > Morton, IL
- > Rock Island, IL
- > Moline, IL

### STORMWATER UTILITY KEY ISSUES

- > How much will it cost?
- > How will it be paid for?
- > How will you gain acceptance?

Feasibility Study and Stakeholder Groups will provide answers to these questions!

### STORMWATER UTILITY FUNDING SOURCES

- > General fund
- > Sales tax City of Champaign
- > Real estate tax
- > Stormwater utility fee
- Special service area tax
- > Federal and state grants

### STORMWATER UTILITY IMPLEMENTATION STAGES

- > Stormwater Utility Program Development
  - Feasibility Study
  - Develop program with Stakeholder Groups
    - Neighborhood Associations
    - Businesses, Organizations
       Churches
    - Churches
    - University Representatives
    - School District Representatives
  - Meet with key potential ratepayers
  - Finalize program goals and financing methods
  - Develop and pass Stormwater Utility Ordinance

### CONSEQUENCES OF INADEQUATE FUNDING FOR STORMWATER PROGRAM

- > Broken and collapsed pipes, manhole, and inlets
- > Increased flooding of streets and private property
- > Diverts resources from sanitary sewer program
- > Decreased water quality in local streams, creeks, and lakes
- Difficult to comply with State and Federal Regulations regarding storm water discharges
- Lack of additional storm water infrastructure being constructed to address problem areas

