Green Alleys, Clean Water
The Dubuque Project
2013 NE Post-Construction
Stormwater Workshop
March 21, 2013
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Agenda
• Why are we doing this?
• Existing conditions
• Examples we looked at
• Recent projects completed
• Our SRF sponsored project
• The grand plan

Why Are We Doing This?
• We need to reduce runoff in the City
• Sustainable Dubuque Initiative
• It's the right thing to do

Why Are We Doing This?
• We need to reduce runoff in the City

Bird's eye view from 1874

Presidential Disaster Declarations
1999
2002
2004
Why Are We Doing This?

- Sustainable Dubuque Initiative
  - Council Priority Since 2006
  - It’s the right thing to do

Presidential Disaster Declarations

- 2006
- 2008
- 2010
- 2011

Existing Conditions

- We are a river town
Recent Projects Completed in Dubuque

Typical Section – HMA and PCC

Watermain

Sanitary Sewer

Pervious Asphalt Specifics

- The asphalt mix can be complex. It may include cellulose fibers to reduce drawdown
- Installing the pavement is similar to what is always done
- The cost is slightly higher than normal asphalt mix
Pervious Concrete Specifics

- The concrete mix has fines removed. Relatively easy to produce.
- Installing the pavement is different than most contractors are used to. Labor intensive. Curing procedure is vital.
- The cost is higher than normal concrete. Mainly due to labor involved.
Recent Projects Completed in Dubuque

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Recent Projects Completed in Dubuque
Maintenance Issues

DURING THE WINTER...
Recent Projects Completed in Dubuque

Maintenance Issues

DURING THE WINTER...

Our SRF Sponsored Project

The Grand Plan...

Our SRF Sponsored Project

Our SRF Sponsored Project
Permeable Pavements in General

Why Pervious Alleys?
- Improved the appearance of the neighborhood
- Cleans the water
- Solves drainage issues
- Allows for a different funding sources
  - CDBG
  - Storm Water Utility
  - SRF

For more information, visit www.cityofdubuque.org

THANK YOU!