

City of Des Moines Storm Water Utility

Post-Flood
Recovery



NPDES



Mitigation



Citizen Service Requests



Stormwater Fund	Actual 2008	Revised 2009	Recommended 2010	Projected 2011	Projected 2012	Projected 2013
Revenues						
Customer Payments	\$ 12,334,000	\$ 13,273,000	\$ 14,377,000	\$ 15,512,000	\$ 16,206,000	\$ 16,206,000
Interest/Reimb/Other	2,196,000	430,000	538,000	582,000	685,000	682,000
Total Revenues	\$ 14,530,000	\$ 13,703,000	\$ 14,915,000	\$ 16,094,000	\$ 16,891,000	\$ 16,888,000
Expenses						
Employees	4,118,000	4,762,000	5,373,000	5,576,000	5,788,000	6,011,000
Equipment	724,000	1,682,000	734,000	774,000	574,000	730,000
Contracted Services	913,000	945,000	1,187,000	1,226,000	1,265,000	1,307,000
Commodities/Supplies	241,000	257,000	257,000	265,000	273,000	281,000
Other	237,000	158,000	279,000	164,000	169,000	174,000
Total Operating Expense	\$ 6,232,000	\$ 7,804,000	\$ 7,830,000	\$ 8,004,000	\$ 8,069,000	\$ 8,503,000
Non-Operating						
Transfers	\$ 5,583,000	\$ 8,758,000	\$ 5,814,000	\$ 8,444,000	\$ 6,469,000	\$ 6,675,000
Other	1,720,000	1,777,000	1,831,000	1,886,000	1,943,000	2,002,000
Total Non-Op Expense	\$ 7,302,000	\$ 10,535,000	\$ 7,645,000	\$ 10,329,000	\$ 8,413,000	\$ 8,677,000
Cashflow for the Fiscal Year	995,000	(4,637,000)	(559,000)	(2,239,000)	408,000	(292,000)
Ending Fund Balance	\$ 10,233,000	\$ 5,596,000	\$ 5,036,000	\$ 2,797,000	\$ 3,206,000	\$ 2,914,000

Des Moines Storm Water Utility

Billing Methodology

- Based on Impervious Area
 - Equivalent Residential Unit (ERU).
ERU=2,349 ft²

Jan. 1, 2009	Jan. 1, 2010	Jan. 1, 2011
\$7.29/ERU	\$7.87/ERU	\$8.50/ERU

- Applies to All Properties: Residential, Commercial, Industrial and “Not For Profit”
- Billing and Collection by Des Moines Water Works

Operating Budget (472 miles of Storm Sewer)

- 62 Full Time Equivalents (FTEs)
 - Storm Sewer Maintenance and Repair: 34 FTEs
 - Street Cleaning: 20 FTEs
 - Project Management/Engineering/Billing: 4 FTEs
 - Pump Station Operations: 4 FTEs
- Operations & Maintenance Expenditures:
 - Contractor Payments
 - Billing Agency Fees
 - Equipment & Other Charges

Capital Improvements:

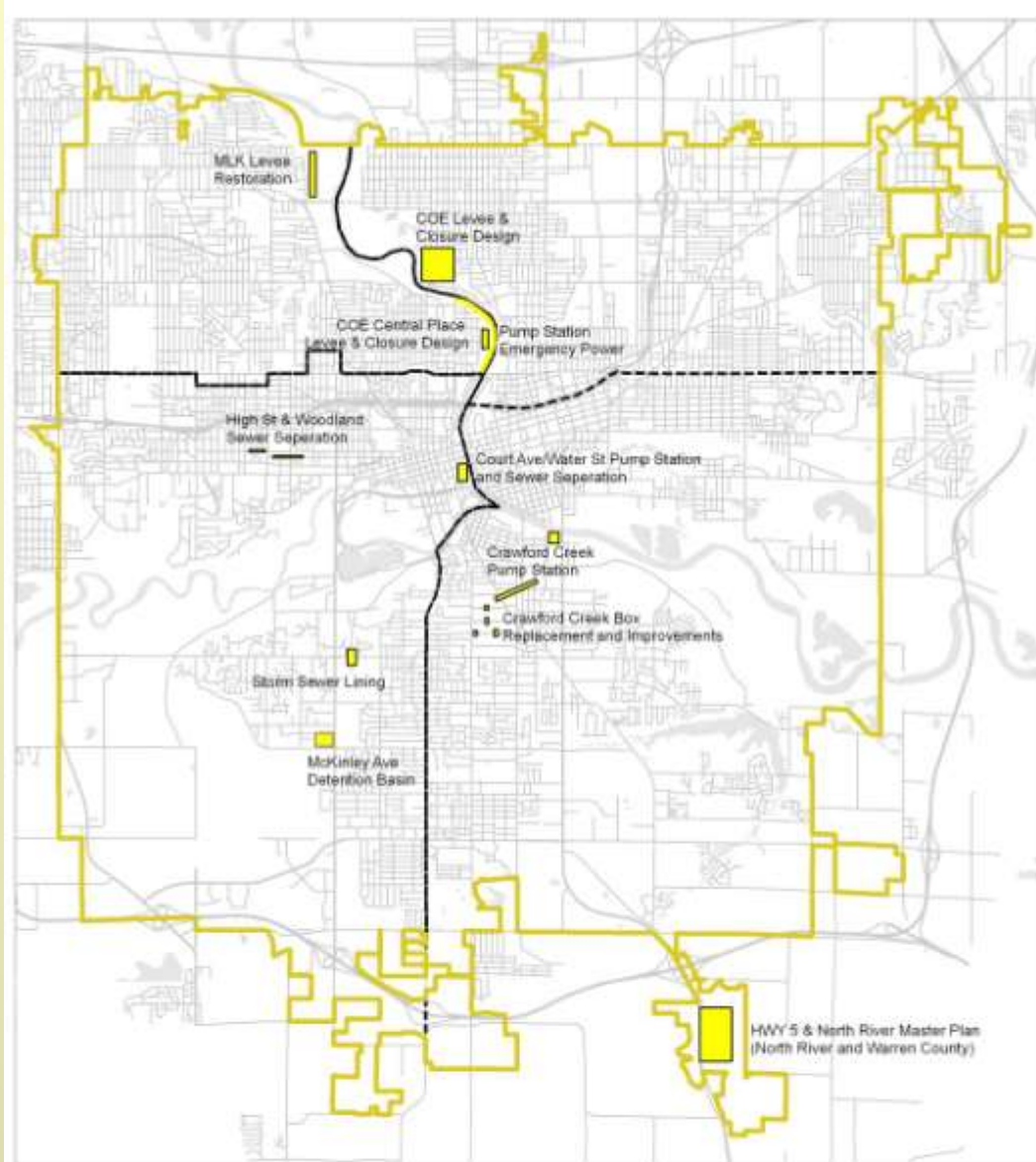
- Fiscal Year 2008-09
 - Corps of Engineer Levee & Closure Design (Birdland & Central Place)
 - Court Ave/ Water St Sewer Separation
 - Pump Station and Standby Power Upgrades
 - Martin Luther King Jr. Pkwy Levee Restoration
 - Storm Sewer Lining Program
 - High St. and Woodland Sewer Separation
 - McKinley Ave Detention Basin (Near Airport)
 - Crawford Creek Box Replacement (Jackson Basin across Indianola Ave)
 - Crawford Creek Pump Station and Storm Improvements (Jackson Basin)
 - Highway 5 & North River Master Plan

- Fiscal Years 2010 Through 2013
 - Pump Station and Standby Power Upgrades
 - Dean's Lake Pump Station Improvements Construction
 - Corps of Engineer Central Place and Birdland Levees & Closure Construction
 - Leetown Creekway Outlet Improvements
 - Easter Lake Storm Sewer Improvements
 - Hamilton Drain Improvements

Current Storm Sewer CIP Projects

**Fiscal Year 2008 – 2009
CIP Expenditures =
\$15,300,000**

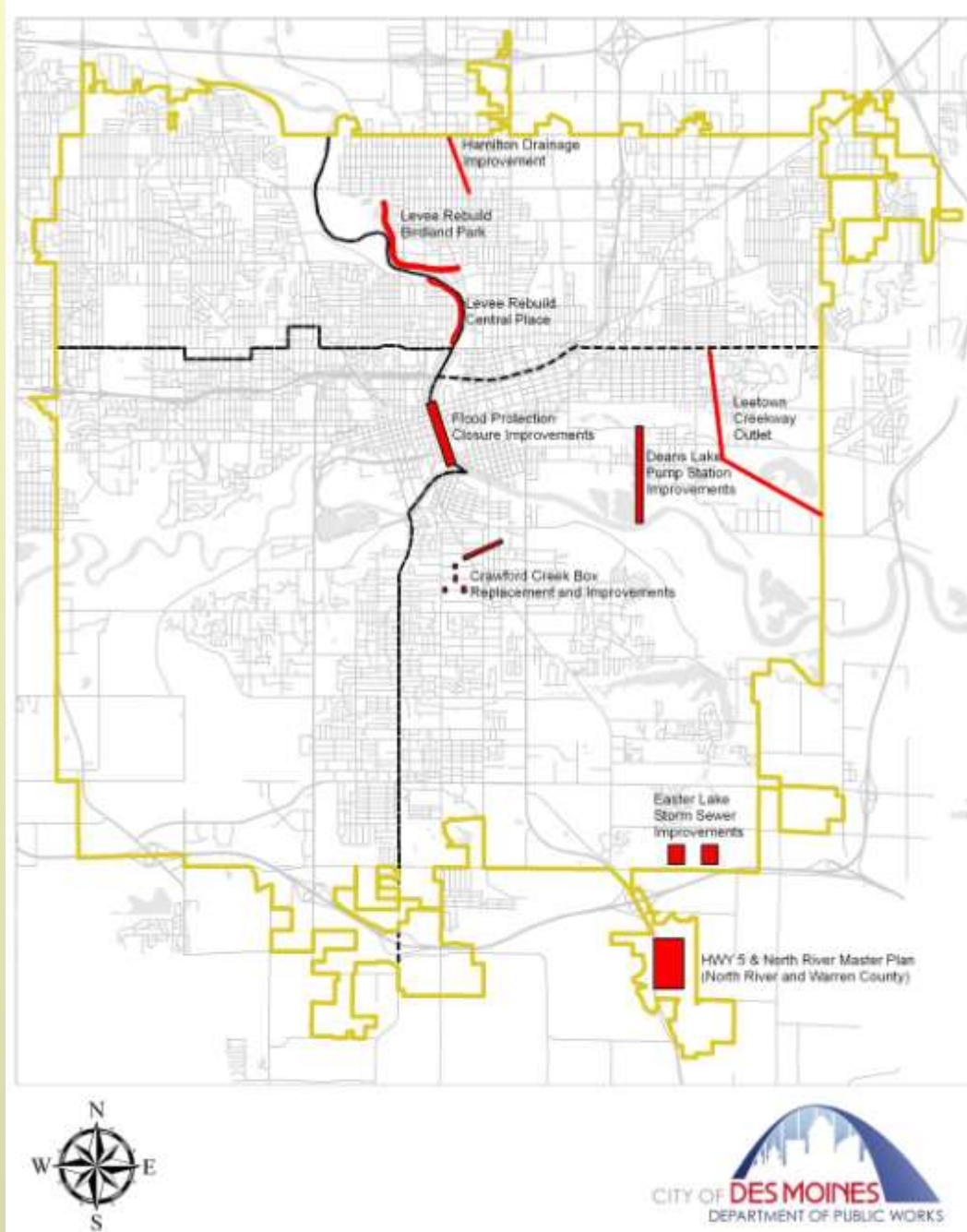
 Project Locations



Future Storm Sewer CIP Projects

Fiscal Year 2010 – 2013
CIP Expenditures =
\$17,095,000

 Project Locations



COE Flood Levee Rebuild & Closure Improvements



Major Initiatives:

- Post Flood Improvements
 - MLK Levee
 - Court Ave/Water St. Pump Station and Sewer Separation
 - Pump Station Standby Power
- Storm Water Quality Mandates (NPDES MS4 Permit):
 - Intensified Construction Site Runoff and Post Construction Inspection/Enforcement
 - Storm Sewer Outfall Inventory, Inspection & Dry Weather Sampling (Summer Interns)
 - Watershed Assessment Program Development
 - Post-Construction Site Runoff Control Requirements (Conservation Design)
- Metro Area Flood Response Master Planning
 - ALERT (Automated Local Evaluation in Real Time) Rain & Flood Detection System Upgrade & Expansion
 - Identify Flood Response Needs of Communities, Implementation Strategies, Phasing & Funding
- Major Flood Protection Improvements:
 - Partnership with Corps of Engineers to Leverage Federal Funding for Levee Reconstruction & Levee Closure Improvements
 - Corps of Engineers Partnership Study Results Used for FEMA Flood Insurance Map Revisions and County-Wide Map Modernization



QUESTIONS ?