



218 4th Ave SW URTE West Side Wolf Pack V LLC

November 1, 2016





- September 13, 2016 City Council approves a resolution of support authorizing City participation
- Project qualifies under the City's Brownfield/Grayfield Economic Development Program:
 - Dilapidated & underutilized former industrial property
 - Property value has declined by 68% since 2008

Village Lofts

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2nd Ave SW

151

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394

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City Beat Kingston ² Commons

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Project Location

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Metropolitan

Sth Ave SW

300 AV3 50







Project Overview

- Renovation of existing 12,500 sq. ft. former industrial facility to commercial use
- Letter of Interest from brewery
- Upgrade exterior to compliance with Kingston Village Overlay District standards
- \$750,000 capital investment











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- Today Public Hearing, 1st Ord & Resolution
- Nov. 15 2nd & Possible 3rd Ordinance reading
- Kingston Village Design Review Technical Advisory Committee



Economic Development Ve Seasons* Program Stats

	2014	2015	2016 (to date)	Totals
Approved Projects	15	21	16	52
Min. Private Investment	\$103M	\$143M	\$151M	\$397M
Est. City Incentive	\$18M	\$26M	\$8M	\$52M
Housing Units	113	281	417	811
Jobs Created/Retained	304	444	350	1,098



Stormwater & Sanitary Sewer Master Plans

Request for City Council Adoption

November 1, 2016



Objectives of Both Masterplans

The City's Planning & Capital Improvement guide for the next 10 to 20 years.

- 1. Aligns with EnvisionCR
- 2. A "living" document
- 3. System wide computer model for cost-effective solutions
- 4. Efficient asset management
- 5. Objectively prioritized CIP plan
- 6. A workable financial plan
- 7. Identify policy solutions
- 8. Annual updates





Stormwater Master Plan

November 1, 2016



The Stormwater Program

- Budgeted for:
 - Operations and Maintenance
 - Capital Improvements
 - State and Federal Permit Compliance
- How the program is funded today:
 - Stormwater Utility \$5m (under new fee structure)
 - O & M ~\$2.3M
 - CIP ~\$2.7M



Historic and Planned Improvements

- Past 20 Years:
 - CIP Investment: \$44M incl. E Avenue (\$10M)
 - Maintenance (repair, rehabilitation, replacement)
- Next 2 to 3 Years:
 - Interim Flood Protection Valves and Gates
 - Utility Improvements for Flood Control System
 - Major CIP Projects (prioritized under masterplan)
 - Minor CIP Projects (<\$75k)
 - BMP pilot projects (Grant Funded)
 - NPDES Compliance Improvements
 - Operations and Maintenance



Stormwater Master Plan 5-Year Glance

FY16 (Year 1 – complete):

- Document Existing Conditions
- System wide Model
 - 2 Detailed Basin Models (Kenwood & O Ave)
- Identify Program Needs
- Identify Policy and Other Considerations
- Identify Financial Needs

FY17 (Year 2 – underway):

- Service to growth areas (West, Southwest, North)
- E Ave and Indian Creek Detailed Basin Models
- Framework for Green Infrastructure Program

FY18 (Year 3):

- Service to growth areas (South, Northwest)
- Czech Village Detailed Basin Model
- Asset Management Incorporation
- Policy Initiative Support

FY19 and FY20 (Years 4 and 5):

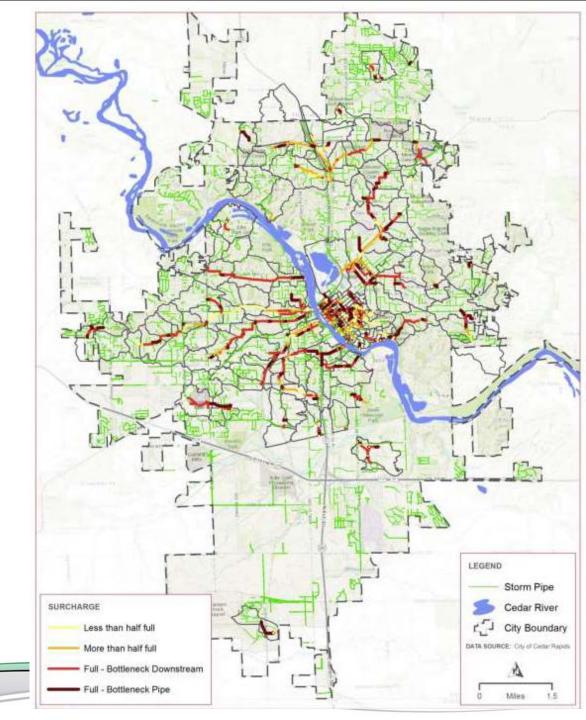
- Detailed Basin Models
 - Prairie Creek
 - Morgan Creek
 - Ushers Ferry
 - McLoud Run
 - Cedar River SE and NE

FY21 (Year 6):

• Comprehensive Update



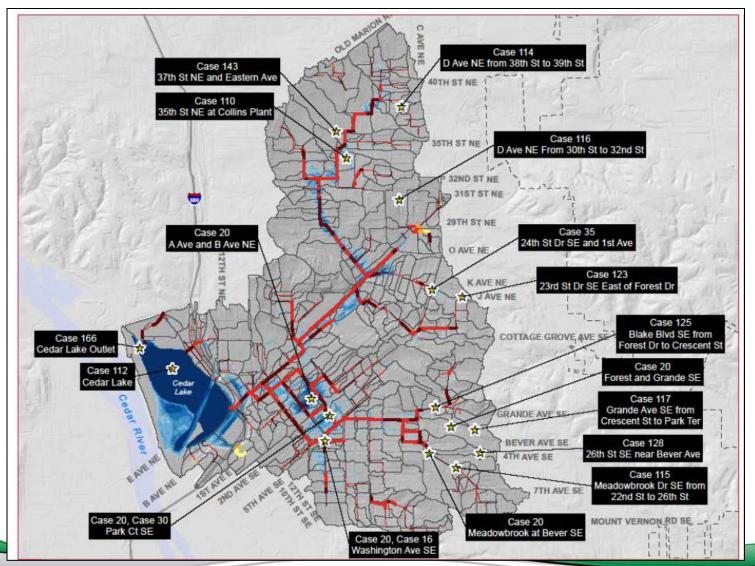
High Level Modeling (complete)





Detailed Level Modeling (ongoing)

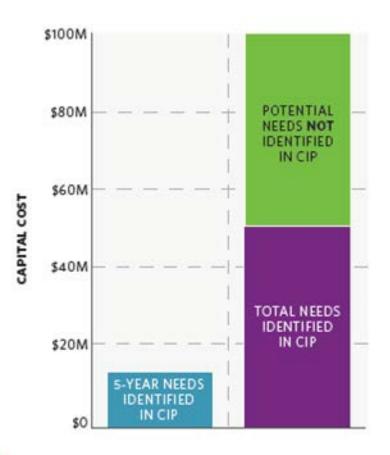
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Capital Improvements Plan

- Current known needs
 - 97 separate issues identified
 - Approximately \$50 million in project needs
- Modeling Implications
 - Potentially \$75 to \$100 million in project needs
- New System to Prioritize Issues
 - Ranks issues based on 8 weighted criteria
 - Focus on Health & Safety





Prioritization of Projects

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- Major and Minor Projects
- Major Project Scoring Criteria
 - Health & Safety
 - Cost-Benefit
 (Cost of Potential Damage / Cost of Project)
 - Current Capacity
 - Asset Functionality
 - Water Quality & Environmental
 - Associated / Other Considerations
 - Sanitary Sewer Inflow Conveyance
 - Future Growth & Sustainability

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Policy Considerations

Recent/Current Examples:

- Restructuring Stormwater Utility Rate (ERU System)
- Incentivizing Green Infrastructures
- Regional detention

Future?:

- Topsoil Rule
- Private cross connections
- Post development grading
- Require final spot grades on single lots
- Drainage easement encroachment
- Educational program enhancements
- Integration with Flood Control System
- Public/Private basin ownership



Sanitary Sewer Master Plan

November 1, 2016



The Sanitary Sewer Program

Budgeted for:

- Operations and Maintenance (O&M)
- Capital Improvements

How the program is funded today:

- User rates, grants, contributions, Tax Incremental Financing (TIF)
- FY17 User Fee Revenues: \$9.7M
 - O & M: \$5.0M
 - Debt Service: \$2.5M
 - CIP: \$2.2M



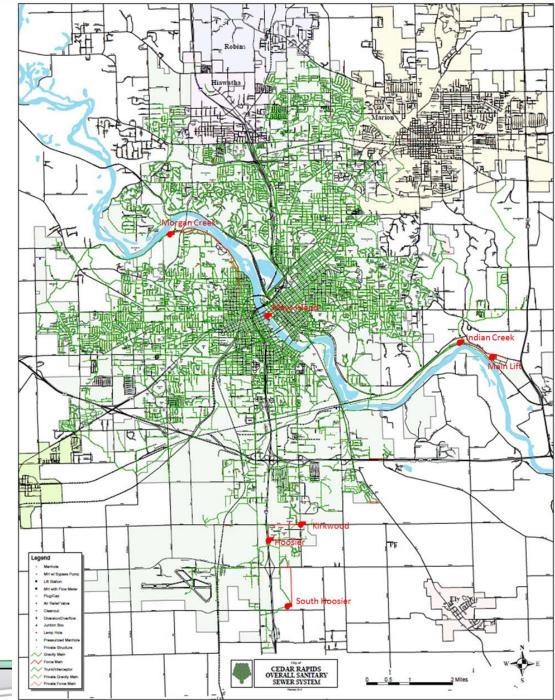
Our Sanitary Sewer At a Glance

Intended to:

- Convey residential, commercial, and industrial wastewater without overflows or backups
- Serves Robins, Hiawatha, Marion, Palo

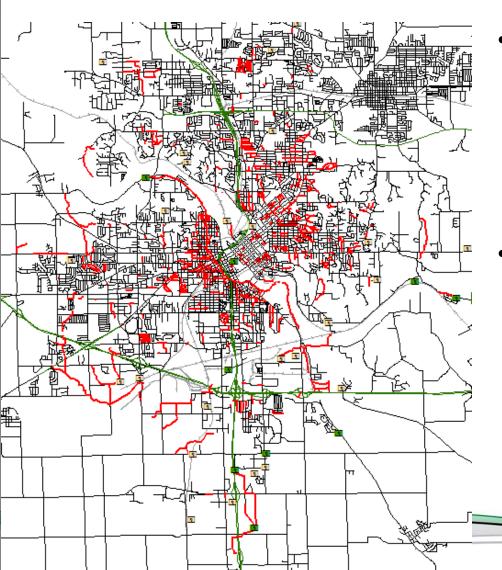
Multiple Assets:

- 660 miles of public sewer
- 7 public lift stations
- 50 miles private sewer
- Private service lines
- Multiple private lift stations





City of Five Seasons^{*} Historic and Planned Improvements



- Past 20 Years:
 - CIP Investment: \$90M
 - Maintenance
 - (repair, rehabilitation, replacement)
 - Growth:
 - Trunk sewer replacement
 - Extensions to growth areas
- Next 2 to 3 Years:
 - Prairie Creek, Indian Creek trunk sewers
 - Infiltration/Inflow reduction
 - Private lift stations upgrades
 - Maintenance



Sanitary Sewer Master Plan 5-Year Glance

FY16 (Year 1 – complete):

- Document Existing Conditions
- Hydraulic Modeling (Macro level)
- Identify Program Needs
- Identify Policy and Other Considerations
- Identify Financial Needs

FY17 (Year 2 – underway):

- Service to growth areas (West, Southwest, North)
- Refine CIP ranking and prioritization criteria

FY18 (Year 3):

- Service to growth areas (South, Northwest)
- Detailed (micro level) modelling
- Asset management

FY19 and FY20 (Years 4 and 5):

- Additional detailed modeling
- Asset management

FY21 (Year 6):

• Comprehensive Update



High Level Hydraulic Modeling (complete)

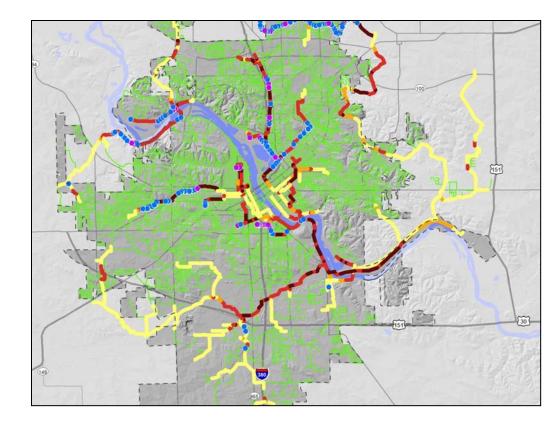
Purpose:

- Identify/confirm problem areas
- Obtain data for cost effective solutions

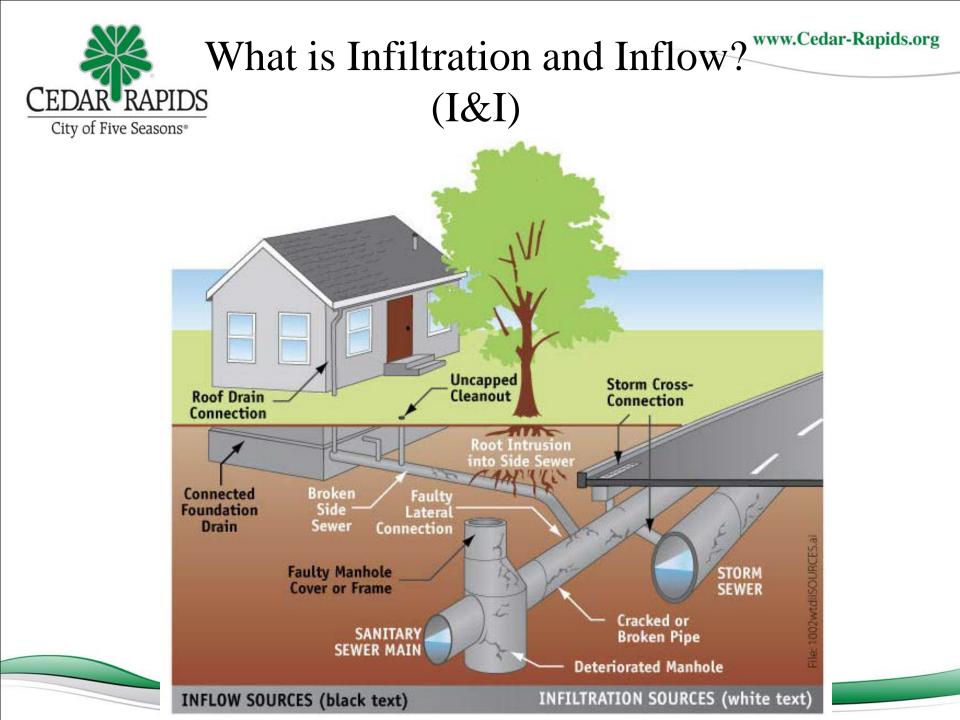
Conclusions:

Reduce infiltration and inflow (otherwise significant capital expenditures):

- West Side Interceptor
- East Side Interceptor
- Main Interceptor
- WPC



CITYWIDE MODEL RESULTS FUTURE, 5-YEAR DESIGN STORM

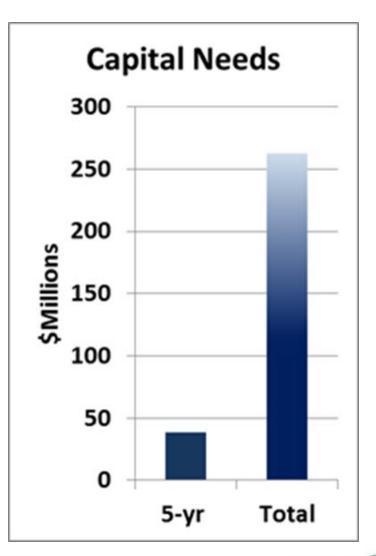




Capital Improvements Plan

• Current known needs:

- Approximately \$40 million in current CIP
 - Trunk sewer capacity
 - Maintenance
 - I&I Reductions
 - Service Extensions
- Modeling Implications
 - Potentially over \$250 million in project needs
 - I&I reduction key to reducing project needs





Policy Considerations

- Past and Recent Policy Examples:
 - Backwater valve reimbursement program
 - Foundation drain disconnection program
 - Replacement of Orangeburg services
 - Private to public lift stations
- Future Policy Considerations:
 - Private source I&I reduction
 - Serviceability to future growth areas and funding mechanism
 - Appropriate sanitary sewer design storm
 - Rate structure and revenue allocation



The purpose of a masterplan is to identify the current and future needs for effective long term planning.

In Summary

- Request for City Council to adopt
 - Stormwater Masterplan (FY16 work)

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- Sanitary Sewer Masterplan (FY16 work)
- FY16 Masterplans identifies:
 - Existing Conditions
 - Citywide System Modeling
 - One Detailed Basin Model (storm)
 - Program Needs
 - Policy and Other Considerations
 - Financial Considerations





Stormwater Funding

Revenue Bond Scenario

Issue \$5M revenue bonds per year for 20 years will require operating revenue to have an average increase of 7.1% each year for the next 20 years. Operating revenue will increase from \$4.8M to \$17.5M over the 20 year period. (This scenario assumes 3% interest rate for revenue bonds, operating expenses increasing no more than 5% per year, and bond covenant of 1.75).



Stormwater Funding

Revenue Bond Scenario

Issue \$10M revenue bonds per year for 10 years will require operating revenue to have an average increase of 20% each year for the next 10 years. Operating revenue will increase from \$4.8M to \$23.9M over the 10 year period. (This scenario assumes 3% interest rate for revenue bonds, operating expenses increasing no more than 5% per year, and bond covenant of 1.75).



Stormwater Funding

- Considerations:
 - Impact of rate increases to large ERU customers (5 year phase-in schedule now)
 - Limited financial history for rating and selling revenue bonds
 - Effect of credit program and cost share/topsoil policy initiatives
 - Rate affordability when considering needs of other utilities



Stormwater and Sanitary Sewer Funding

- Recommendations
 - Stormwater: "Wait and See" approach to rate increases and/or utilization of revenue bonds
 - Sanitary Sewer: Consider above average rate increases
 - All Utilities: Comprehensive/integrated review of needs and rate scenario impacts on customer utility bill



Sanitary Sewer Funding - Rates

CEDAR RAPIDS City of Five Seasons*	Fiscal Year	Amount/Month	% Increase						
	FY 16	\$25.92	2.7						
Typical Monthly Residential Sanitary Sewer Bill	FY 15	25.24	2.3						
7460 gallons/month	FY 14	24.68	3.0						
90	FY 13	23.96	4.4						
	FY 12	22.95	0.7						
Ames 2015 Sewer Rate Report	FY 11	22.80	3.5						
for Iowa Cities 10,000 Population	FY 10	22.03	11.2						
or Higher	FY 09	19.81	12.2						
60	FY 08	17.65	8.5						
	FY 07	16.27	7.0						
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