

Business Item 2018-175: Inflow and Infiltration Demonstration Project Grant

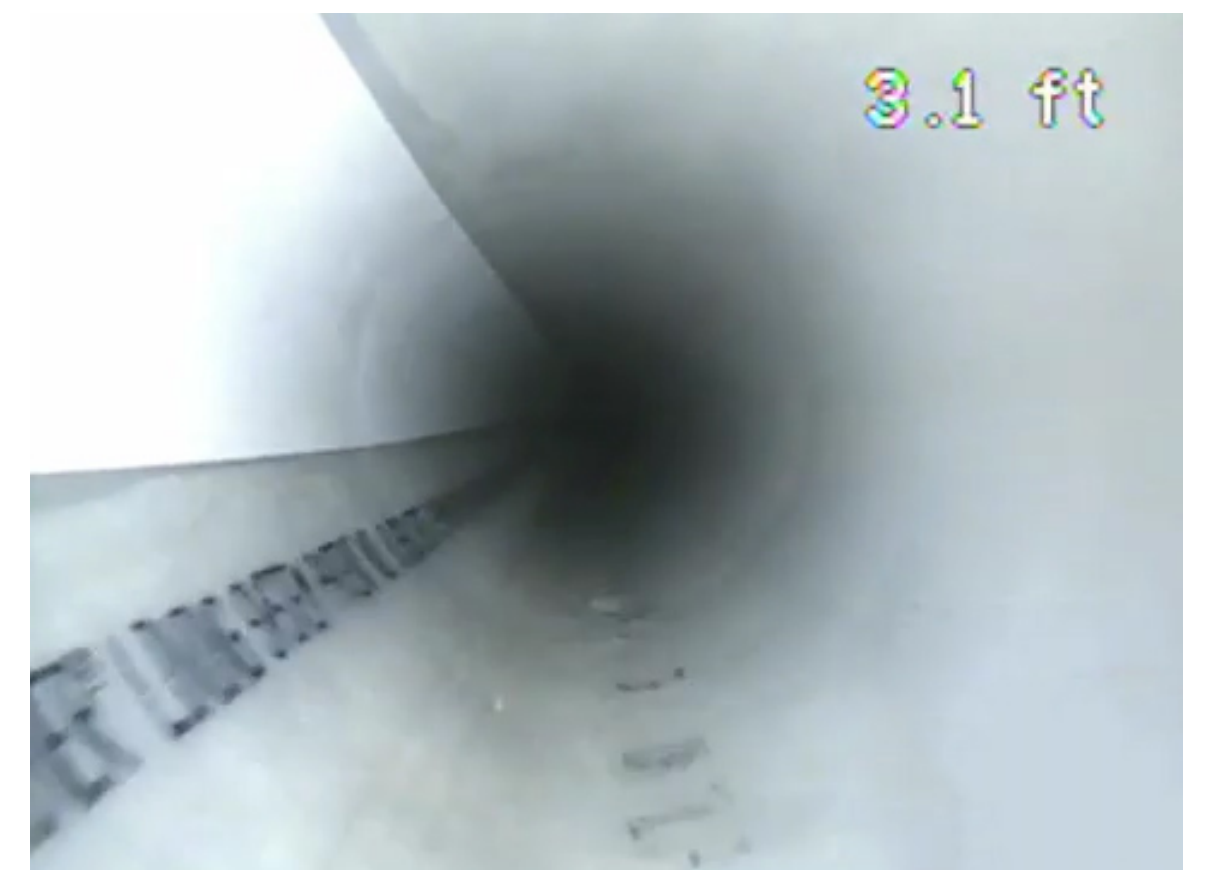
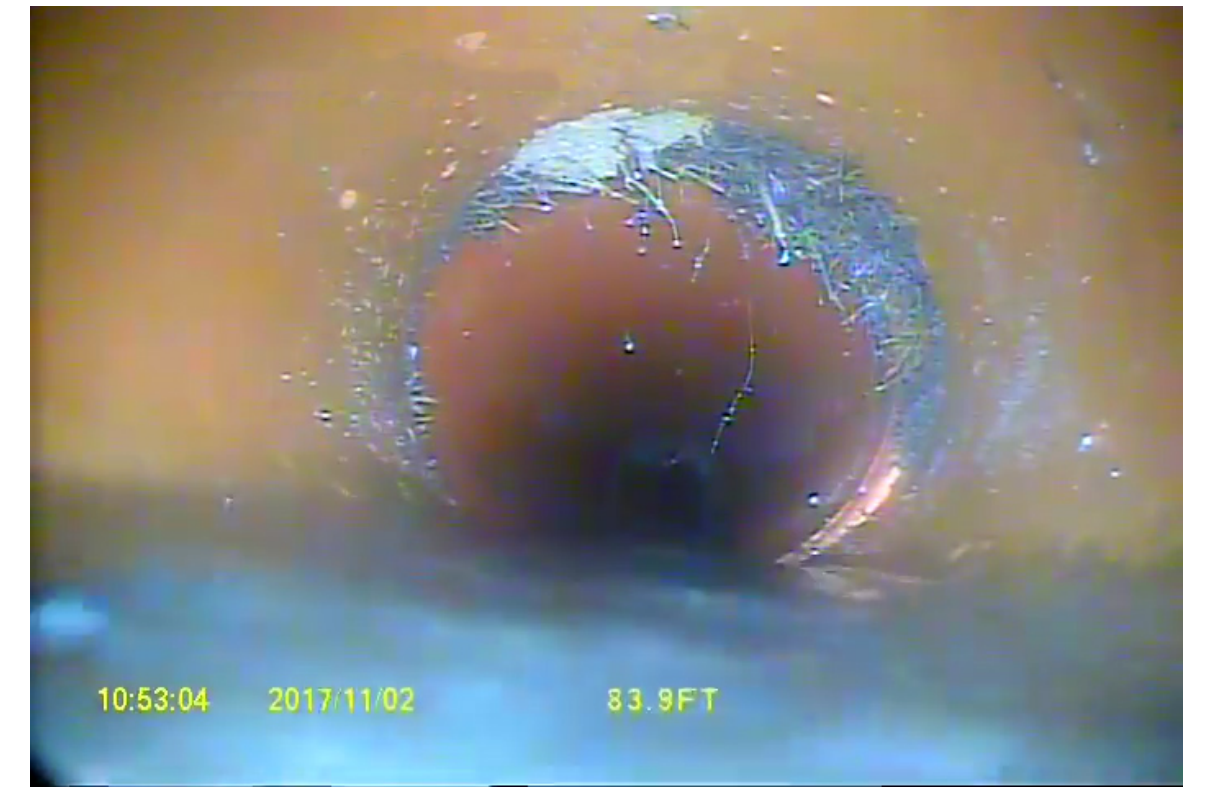
Kyle Colvin, Manager, Engineering Programs
Marcus Bush, Principal Engineer

Environment Committee: June 26, 2018



“Unquantified and unresolved”

- “Design and implement a private property I&I mitigation demonstration project that would provide additional opportunity for measurement of impact on wastewater base and peak flows.”
 - 2016 I&I Task Force Report
- Business Item 2016-221
 - Implement Task Force recommendations
 - Approved November 9, 2016

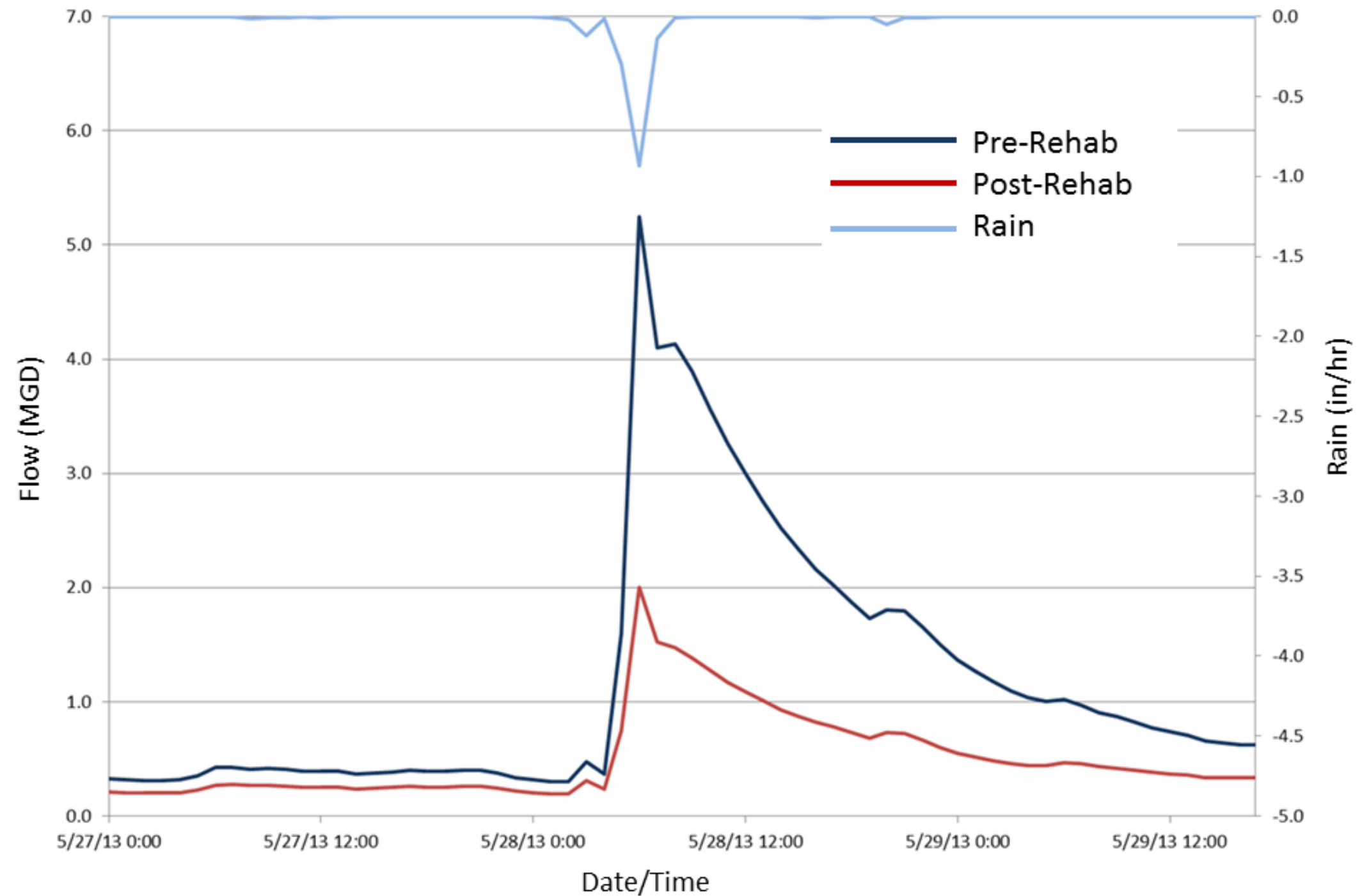


Project Goals

- Demonstrate effective techniques for I&I mitigation
- Provide measurement of impact of I&I mitigation
- Detail the cost-effectiveness of the mitigation strategy
- Provide technical assistance to communities

Flow reduction

- Identify sources of I&I
- Repair sewer to remove I&I
- Monitor flow before and after repairs
- Evaluate the flow reduction
- Report findings for other communities to use



Selection criteria

- Quality and Value – 65%
 - How the project will benefit other regional communities
- Ability to complete on schedule – 15%
- Effectiveness – 10%
 - Age of housing is a key indicator of potential for I&I
- Financial Need – 10%

Expected budget

- Flow monitoring, sewer repairs, evaluation, and reporting
- At least 50 percent of the project cost by community
- Grant is for \$500,000 to one community

Proposed schedule

- July 11, 2018 Approval by Council
- July 2018 Distribute RFP
- **August 2018 Proposals Due to the Council**
- September 2018 Selection by Committee
- **December 2018 Award and Notice to Proceed**
- October 2019 1st Annual Report
- October 2020 2nd Annual Report
- October 2021 3rd Annual Report
- **December 2021 Final Report**

Thrive Lens Analysis

- Sustainability
 - A sustainable and reliable regional wastewater system can be achieved with investments to the local, municipal sewer systems to reduce excessive flows from I&I
- Stewardship
 - The information and knowledge gained can be shared with many communities, making this a strategic investment of regional funds

Proposed Action

- That the Metropolitan Council authorizes the Regional Administrator to approve the guidelines for an inflow and infiltration demonstration project grant, as described in Attachment A of the business item, for up to \$500,000.

Questions