



Pittsfield Charter
Township

SRF Project Plan



Agenda

1. Introduction
2. SRF Program Overview
3. Background
4. Project Summary

Safety Moment



SRF Program Summary

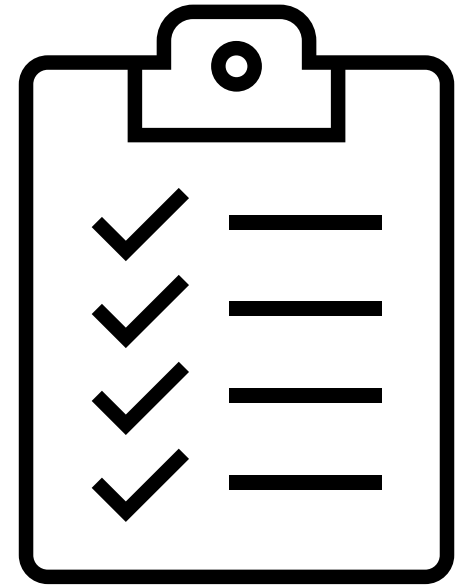
Funding Overview



- Low-interest loans for Planning, Design, and Construction.
- Current Interest Rate is 2.125% with a 30-yr term (1.875% - 20-yr)
- Projects funded based on
 - Project Priority Listing
 - Availability of funds

SRF Eligible Project Costs

- Planning
- Design and Construction Engineering
- Legal and Financial Services
- Preparation of Plans and Specs
- Construction Costs
- Administration Costs
- Land Acquisition/Easements
- Asset Management Planning



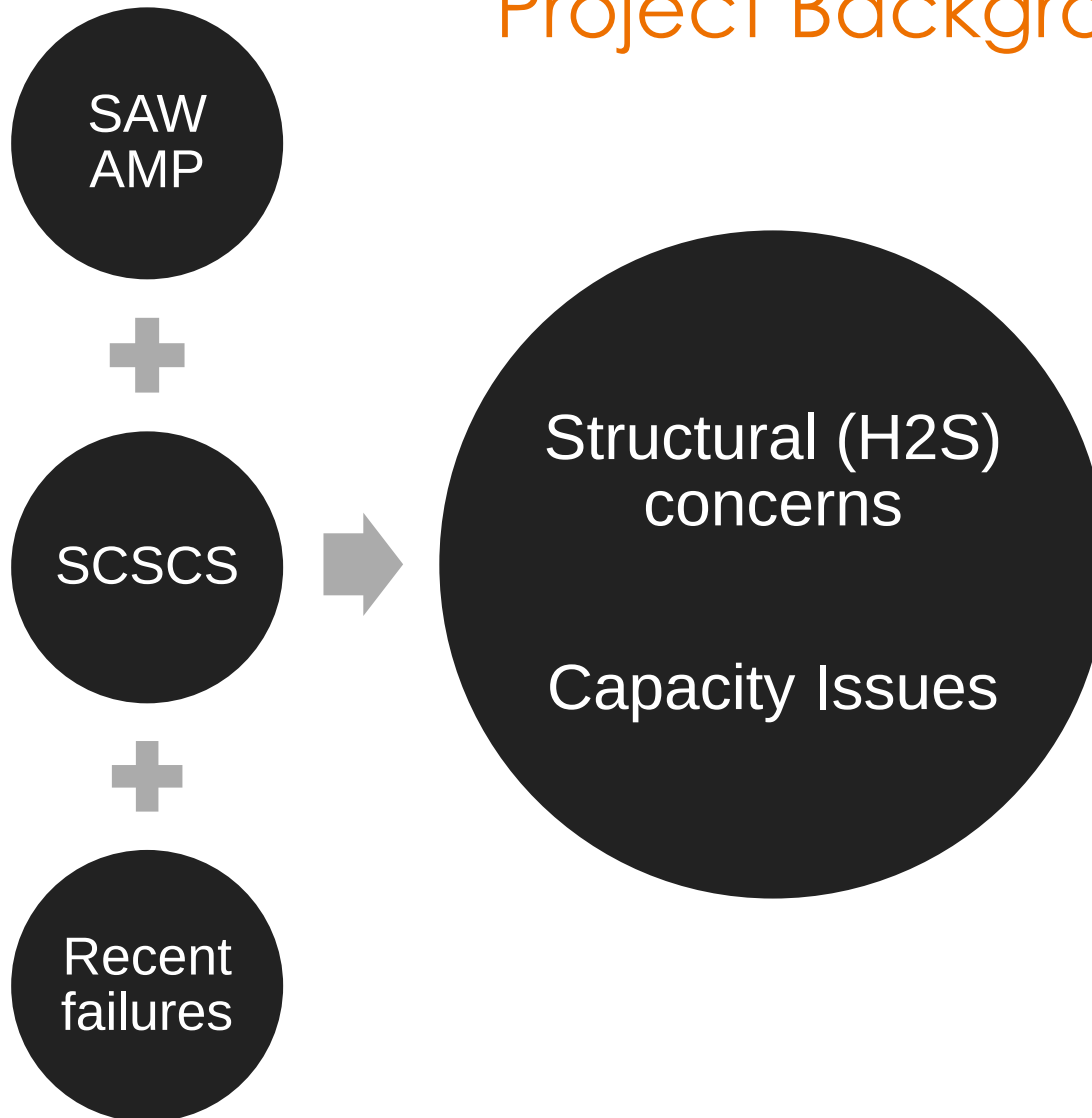
Background

System Overview

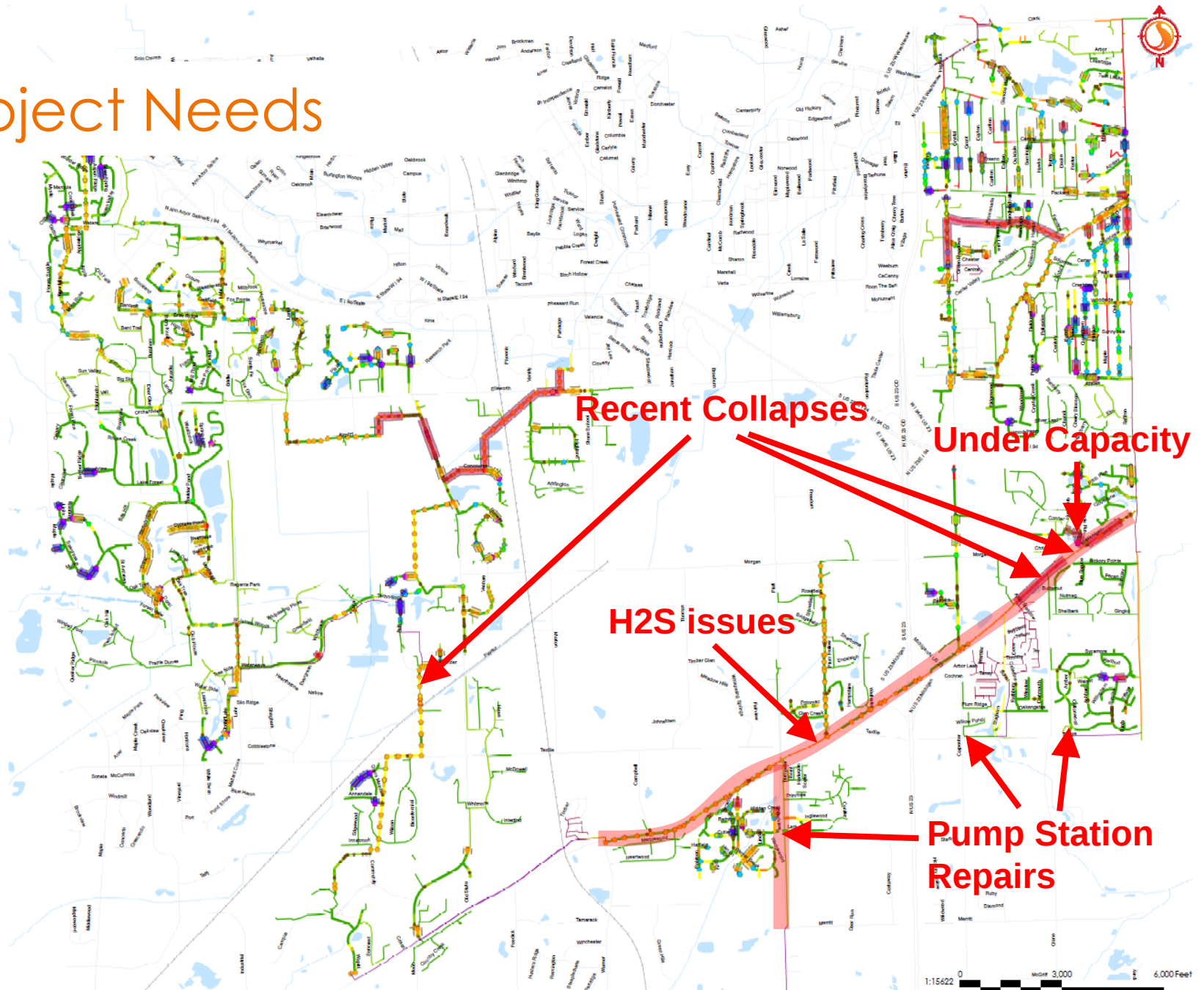
Decade Installed	Length (ft)	Length (%)
1950	36,247	5%
1960	16,376	2%
1970	98,675	14%
1980	107,602	15%
1990	335,179	47%
2000	101,940	15%
2010	9,418	2%
Total	705,437	100%

- Collection system dates to 1950s but most was constructed after 1990.
- Approximately 133 miles of sewer
- 7 pump stations
- Regional treatment by City of Ann Arbor and YCUA
- Approximately 7,200 customers

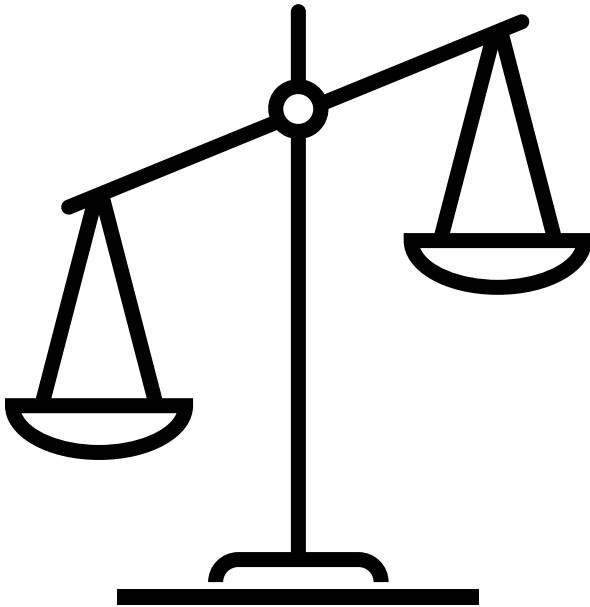
Project Background



Project Needs

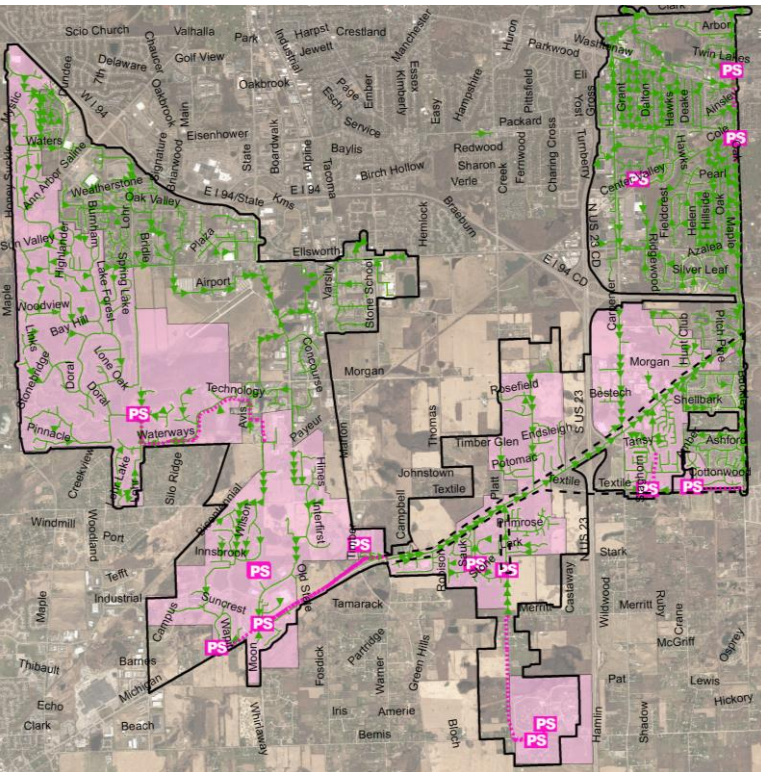


Evaluated Alternatives



- Alternative 1:
 - Reroute interceptor
 - Eliminate 3 existing pump stations
 - Abandon interceptor beneath US-23
 - Structural liner along US-12
- Alternative 2:
 - Rehabilitate existing interceptor
 - Rehabilitate 2 existing pump stations
 - Reroute flows and eliminate 1 existing pump station

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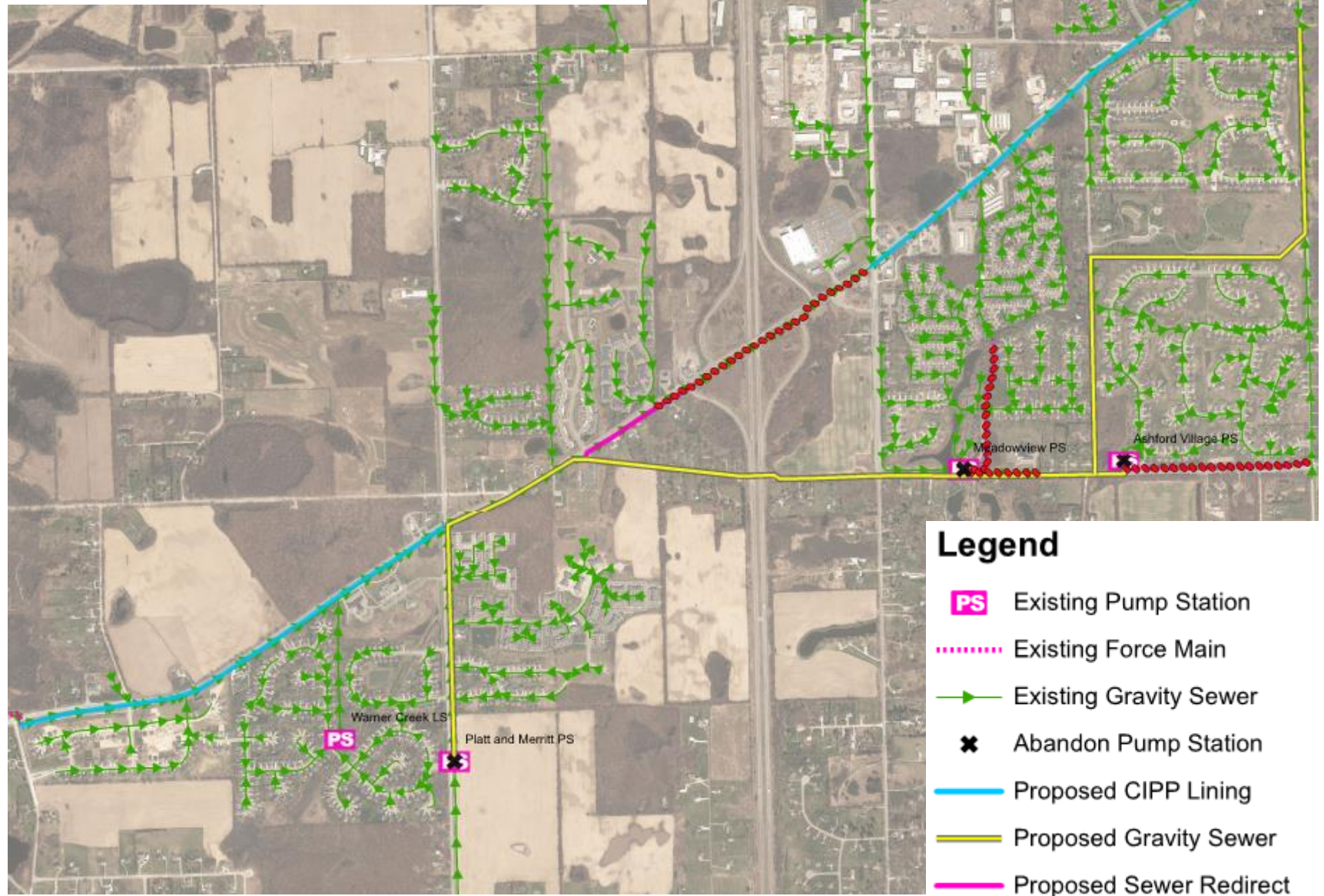
Evaluated Alternatives

	Alternative 1	Alternative 2
Capital Cost	\$31.0M	\$23.3M
Annual OM&R Cost	\$36,000	\$48,000
Total Present Worth	\$25.2M	\$20.2M

Impacts/Risk	Alt. 1		Alt. 2
Bypass Pumping	Low	<	High
Traffic Impacts	Med.	<	High
Pipe Failure During Construction	Low	<	High
Operation and Maintenance	Low	<	Med.
Environmental	Med.	<	High
Public Health	Low	<	High
Emergency Response	Low	<	High
Single Point of Failure	Med.	<	High
Major Highway Crossing	Med.	<	High
Overall Uncertainty/Unknowns	Low	<	High
Overall Sociological/Environmental	Low	<	High
Overall Risk	Low	<	High

Proposed Project

Selected Alternative

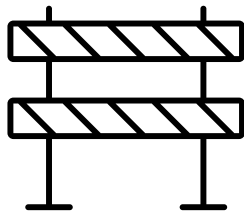
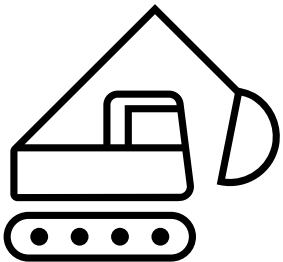


Selected Alternative

Est. Total Cost
\$31.0M

\$24.7M – Phase 1
\$6.3M – Phase 2

Includes design,
admin., legal,
contingencies, etc.



Phase 1 -

New Construction

- 16,500 feet of 36-inch sewer
- 2,950 feet of 18-inch sewer
- 1,750 feet of 10-inch sewer
- 650 feet of 12-inch sewer

Abandonment

- 11,450 feet of sewers and force main (var. sizes)
- 3 existing pump stations

Selected Alternative

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\$31.0M

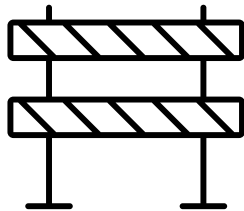
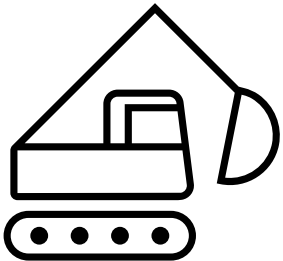
\$24.7M – Phase 1
\$6.3M – Phase 2

Includes design,
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contingencies, etc.

Phase 2 -

Rehabilitation

- 3,500 feet of 36-inch sewer
- 2,700 feet of 27-inch sewer
- 3,300 feet of 24-inch sewer
- 9,000 feet of 18-inch sewer



User Costs

Estimated based on 2017 Water Reliability Study data:

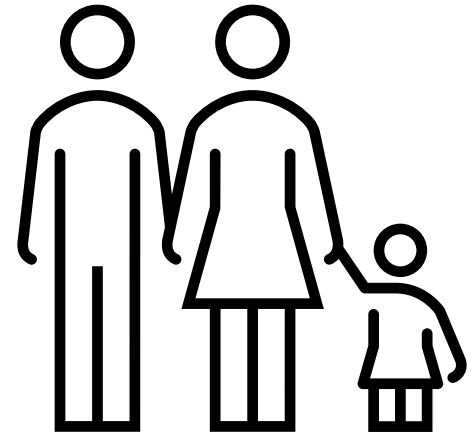
7,183 customers used 1.26B gallons



Rate increase of **\$7.43/mo.** for
average residential customer

(Phase 1 - \$5.92/mo.)

(Phase 2 - \$1.51/mo.)



Schedule

June 1, 2021 – deadline for Project Plan Submittal

	ACTIVITY	NO LATER THAN
1	Advertise Notice of Public Hearing for Project Plan	April 26, 2021
2	Public Hearing	May 26, 2021
3	Township Approval and Project Plan Resolution of Adoption	May 26, 2021
4	Final Project Plan Submittal to EGLE	June 1, 2021
5	Initiate Phase 1 Design	Currently underway
6	Begin Phase 1 Construction (1st Quarter Closing)	Winter 2021/22
7	Begin Phase 2 Design	Fall 2021
8	Complete Phase 1 Construction	Spring, 2023
9	Begin Phase 2 Construction	Summer, 2023
10	Complete Phase 2 Construction	Fall/Winter 2023



Without change there is no innovation, **creativity**, or incentive for improvement. Those who initiate change will have a better opportunity to manage the change that is inevitable.

William Pollard

