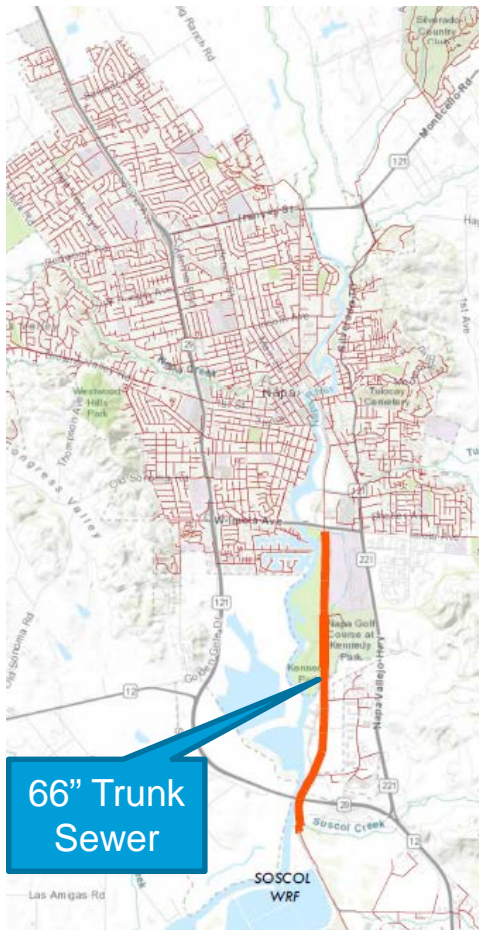




66-inch Trunk Sewer Rehabilitation Project (CIP 19701)

Napa Sanitation District
Board of Directors Meeting
January 15, 2020



Background

- 15,400 LF (~3mi length)
- 66" RCP - unlined
- Criticality
 - Conveys over 90% of flow to SWRF
 - Parallels the Napa River
 - No redundancy

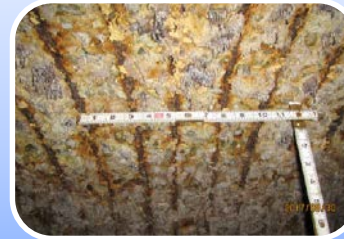
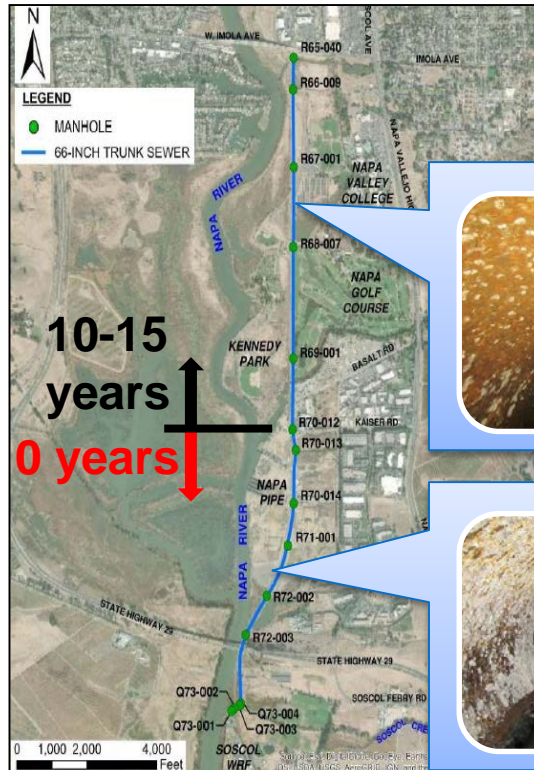
Condition Assessment Results



- Corrosion observed along entire alignment
- Structural deterioration along lower third
- Loss of concrete strength and wall thickness

Condition Assessment Results

Varies along alignment





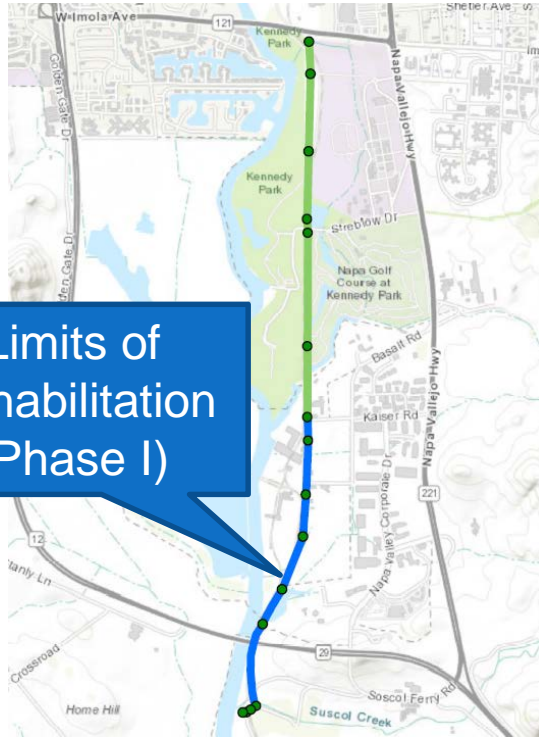
Rehabilitation Alternatives

Considerations

- Constructability
- Project duration
- Hydraulic impacts
- Bypass needs
- Regulatory/permitting requirements
- Cost

**Cured-in-place pipe (CIPP) rehabilitation
selected as preferred alternative**

Project Scope



- Structural rehabilitation (CIPP) of downstream ~6500' of trunk main (south of Kaiser Road)
- Manhole construction / reconstruction / replacement to facilitate liner installation

Project Challenges



- Work in sensitive areas
- Channel crossings
- Railroad crossing



Current Status & Anticipated Schedule

Milestone	Date
Conduct CCTV Inspection	Complete
Condition and Prioritization Reports	Complete
Preliminary Design Report	Complete
Design	60% Complete
CEQA/Permitting	In Progress
Bidding	Fall/Winter 2020
Construction	Summer 2021



NapaSan

**Draft Initial Study and Mitigated
Negative Declaration**

66-inch Trunk Sewer Rehabilitation:
Kaiser Road to SWRF (CIP 19701)

Prepared for:

Napa Sanitation District
1515 Soscol Ferry Road
Napa, CA 94558

Prepared by:


**WOODWARD
CURRAN**
9665 Chesapeake Drive, Suite 320
San Diego, CA 92123
858.875.7405

woodardcurran.com

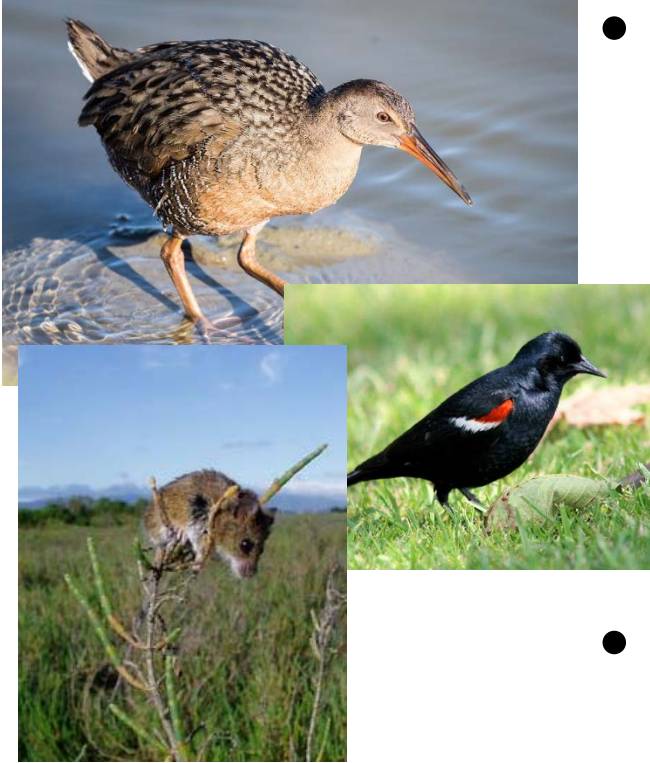
COMMITMENT & INTEGRITY DRIVE RESULTS

**Napa
Sanitation
District**
November 2019

CEQA

- **Draft IS/MND**
 - Project description
 - Environmental checklist
 - Biological resources
 - Historical survey
 - Proposed mitigation
- **Public review and circulation
(beginning this week)**

Permitting



- Resource Agencies
 - Department of Fish and Wildlife
 - Regional Water Quality Control Board
 - US Army Corps of Engineers
- Applications submitted 1/3/2020



Project Financials

Current Project Budget: \$8,000,000

Total Cost (estimated): \$15,000,000

Project Costs will be discussed during the upcoming FY 20/21 Capital Project Planning



Questions/Discussion?