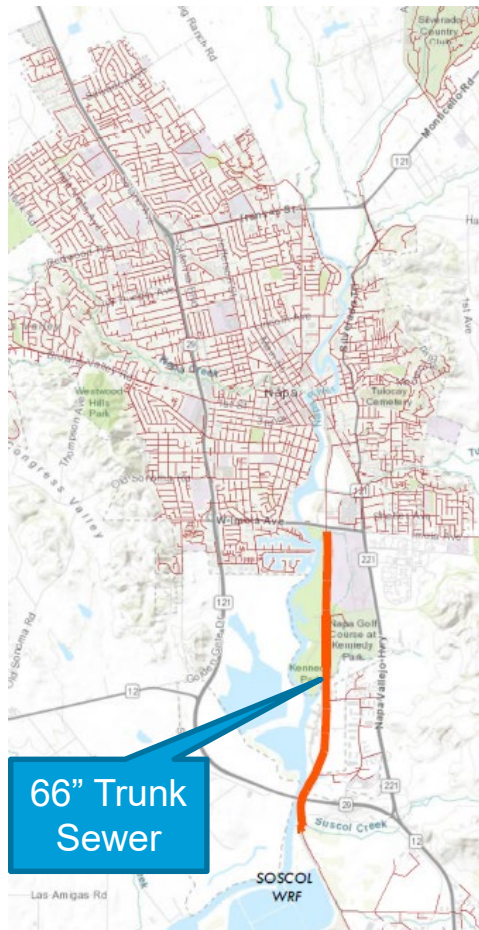




66-inch Trunk Sewer Rehabilitation Project (CIP 19701)

Napa Sanitation District
Board of Directors Meeting
February 3, 2021

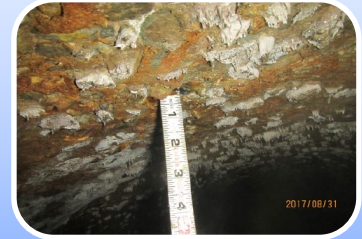
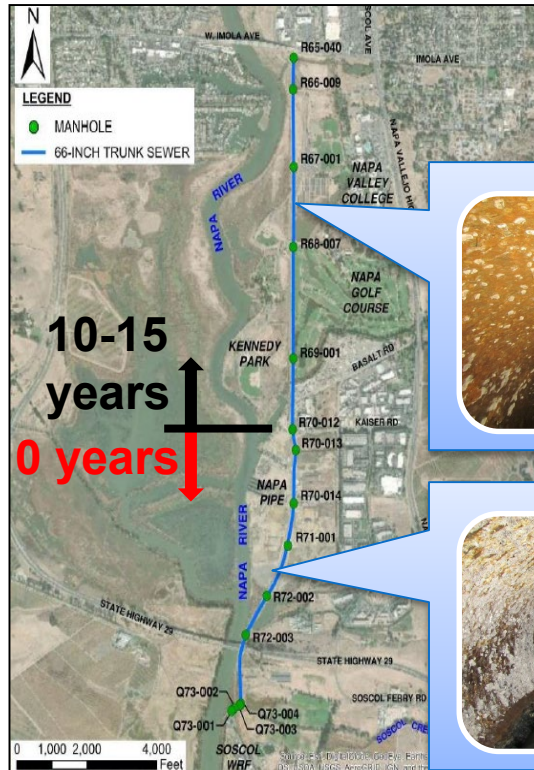


Background

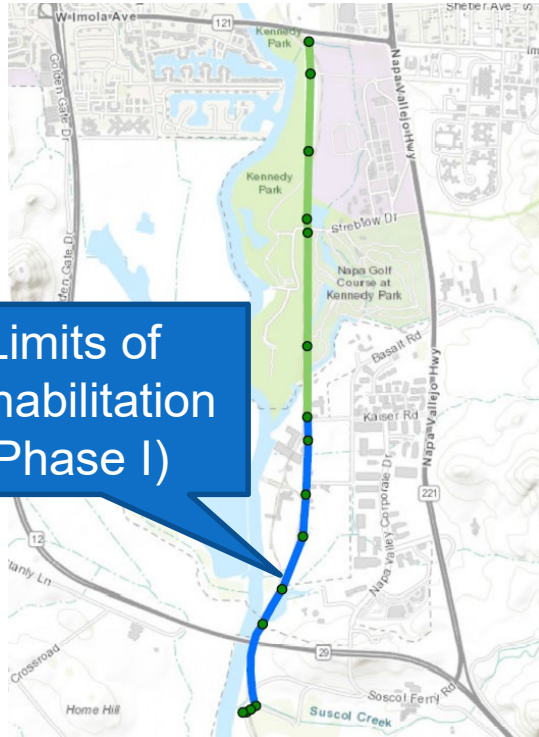
- 15,400 LF (~3 mi. length)
- 66" RCP - unlined
- Criticality
 - Conveys over 90% of flow to SWRF
 - Parallels the Napa River
 - No redundancy

Condition Assessment Results

Varies along alignment



Project Scope



Limits of
Rehabilitation
(Phase I)

- Structural rehabilitation (CIPP) of downstream 1.3 miles of trunk main (south of Kaiser Road)
- Manhole construction / reconstruction / replacement to facilitate liner installation



CEQA

IS/MND adopted on 5/20/2020

Mitigation Monitoring and Reporting Program

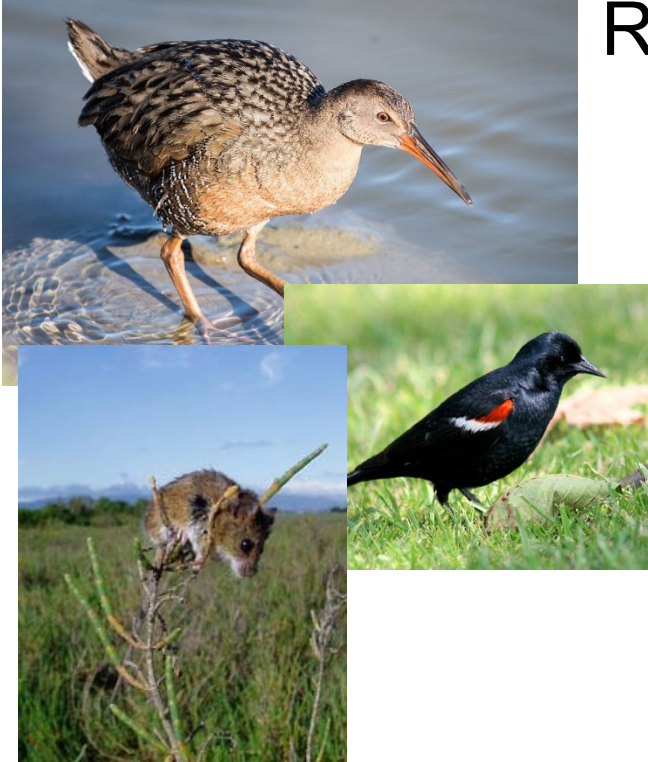
Highlights:

- Biological resources
 - 19 mitigation measures (federal and state endangered/protected species, sensitive wetland habitats)
 - Pre-construction biological surveys
- Wetland/riparian avoidance and permits
- Tier 4 equipment (air quality)
- Cultural resources

Permitting

Resource Agencies

- Department of Fish and Wildlife
- Regional Water Quality Control Board
- US Army Corps of Engineers





Project Financials

Bid Date/Time:

1/14/2021, 2:00 PM

Engineer's Estimate:

\$11,600,000

Bidder		Total Bid
1	SAK Construction, LLC	\$5,621,944
2	Insituform Technologies, LLC	\$7,348,663
3	Michels Corporation	\$7,659,399



Discrepancy Between Bids and Engineer's Estimate

- Estimate based on unit pricing for similar projects in northern California over past 5 years.
 - Average lining costs - \$12.10/inch dia.
 - Bid average - \$7.85/inch dia.
- Bypass costs 34% lower than estimated
- 10% contingency included in estimate
- Typically only 1-2 bidders for this type of work.
3 bidders indicates aggressive bidding climate.



Project Financials

Project Budget (current):

\$15,086,550

Item	Estimated Cost
Design/Engineering/Planning	\$750,000
Construction Contract	\$5,621,944
Construction Contingency	\$560,000
Construction Management & Inspection	\$571,063
Engineering Services During Construction	\$429,845
Post-Construction Environmental Services (estimate, to be awarded by separate contract)	\$200,000
Other Costs (tribal monitoring, staff time)	\$100,000
Total	\$8,232,852

Project financing will be discussed under agenda item 8d

NapaSan Board of Directors Meeting – February 3, 2021



Anticipated Schedule

Milestone	Date
Notice to Proceed	February 2021
Begin Construction	April 2021
Complete Construction	October 2021
Accept Completion / Presentation to Board	December 2021



Questions?



Recommendation (Item 8a)

Award the construction contract for the 66-inch Trunk Sewer Rehabilitation Project (CIP 19701) to SAK Construction, LLC. for the bid amount of \$5,621,944 and authorize the General Manager to execute the Agreement with the Contractor and issue the Notice to Proceed, when appropriate.