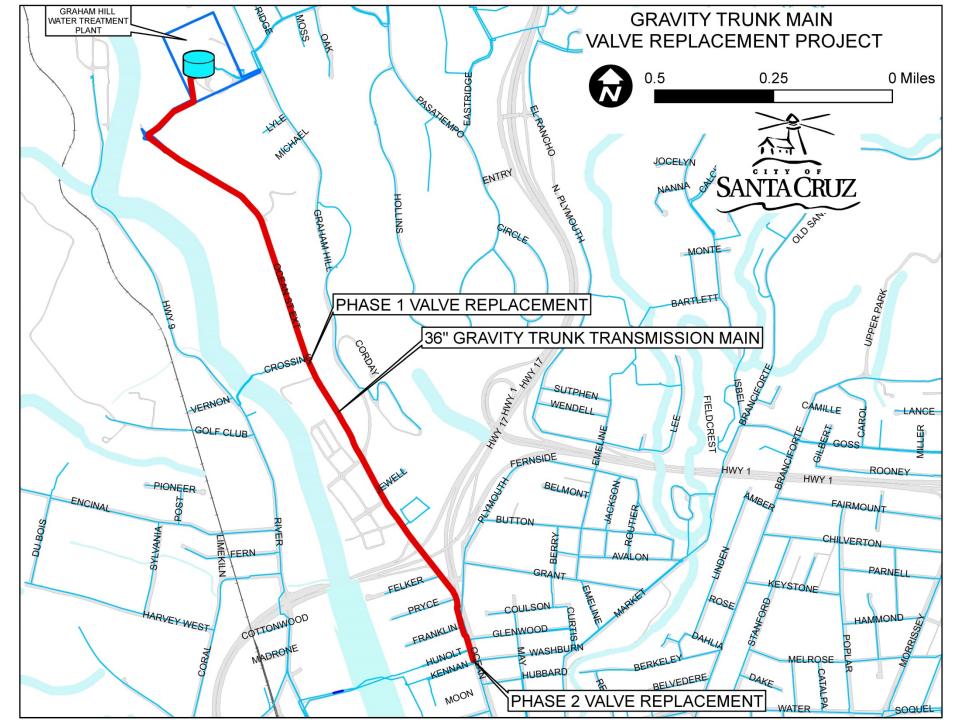
Gravity Trunk Main Project

Doug Valby, P.E.



Gravity Trunk Main Project

PROJECT PURPOSE:

- Part of our on-going efforts to maintain and rehabilitate aging infrastructure where possible.
- Re-establish ability to isolate critical sections of the trunk transmission main system
- Inspect, assess, and proactively repair any deteriorated segments of the transmission main
- Estimate the remaining useful life so we can plan for rehabilitation or replacement.

Out with the old...



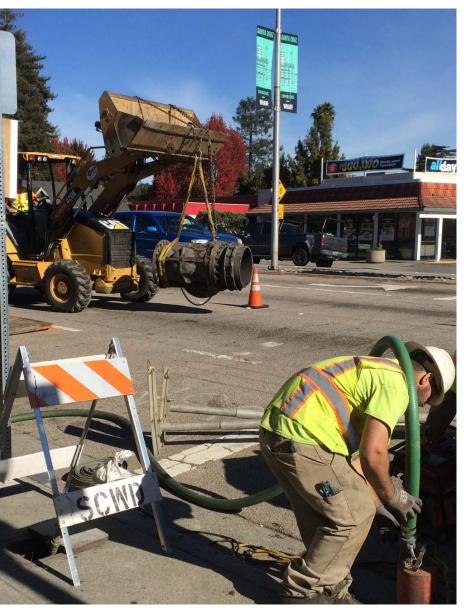




September 22nd, 2015

Old valve...

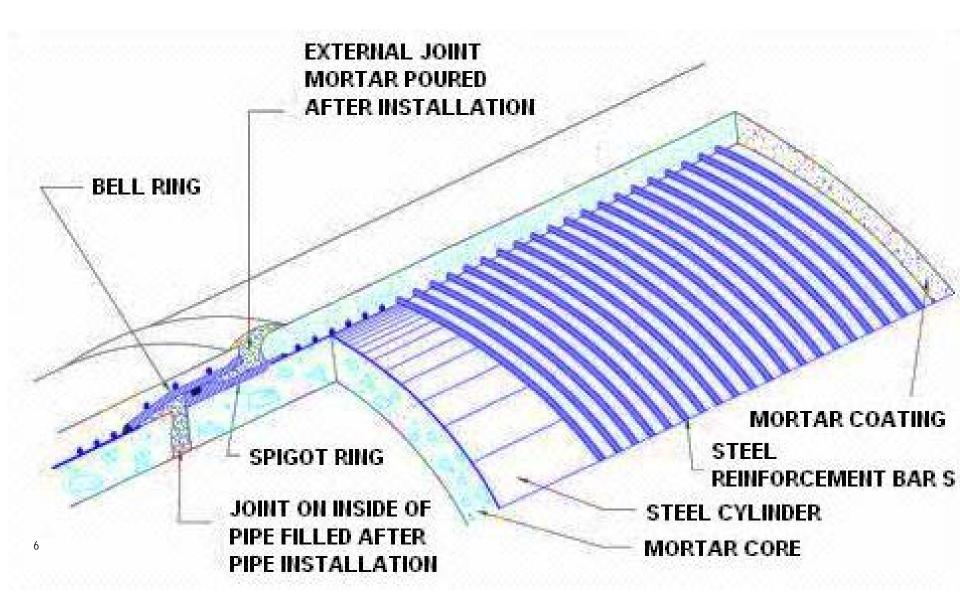






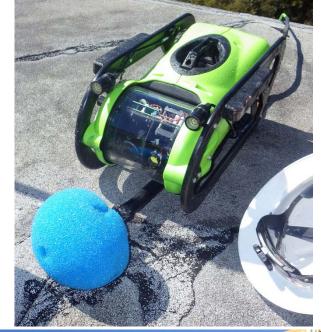
November 18th & 19th, 2015

Bar Wrapped Concrete Cylinder Pipe

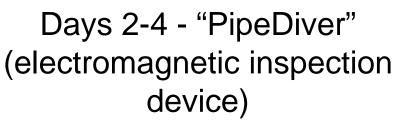


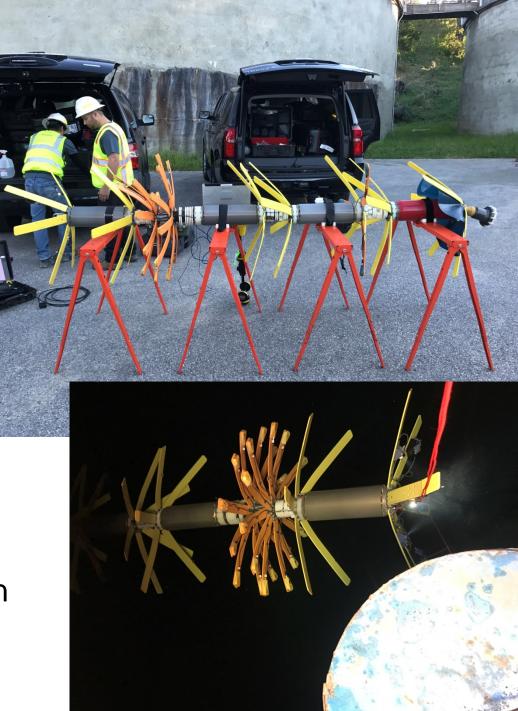


Inspection Day 1 – "SmartBall" (acoustic listening device) Monday, March 13th 2017









Monitoring & Retrieval



Broken Wire Wraps

NOT our Pipe!

Questions?

PROJECT PHASE OVERVIEW

Phase 1	Replace existing, inoperable valve at Intx. Ocean St. Ext. and Crossing St. And two 18" valves at Ocean, Kennan, and Washburn intersection	\$103,000 Parts and Labor	Sept 2015
Phase 2	Replace existing, inoperable valve at Intx. Ocean St. and Kennan St.	\$155,000 Parts and Labor	Nov 2015
Phase 3	Inspect trunk main and assess condition	\$253,000	Spring 2017

Total = \$511,000

