

Informational Item: Construction Update for Lift Station L32 69U2 River Crossing Improvements

Scott Dentz, Interceptor Engineering Manager
Jim Sailer, Assistant Construction Services Manager

Environment Committee: August 12, 2014



Emergency Repairs

- Forcemain was originally constructed in 1971
- Leak on east bank reported by Fridley staff on 6/21/2012
- Repair applied to both forcemain barrels - a carbon fiber patch applied to the pipe where it ascends the east bank
- Repairs completed September 2012



Permanent Improvements

- Constructed approximately 800 feet of two pipe forcemain across the Mississippi River
- Meter vault for two additional magnetic flow meters (west bank)
- Valve vault (east bank) as an interconnect between the new and original crossing pipe
- Configured to allow isolation and inspection of each forcemain barrel
- Used corrosion resistant materials (high density polyethylene) in the river
- Two original pipes retained for standby use during inspection of new pipes

Construction

- Work completed July 2014
- Completion was delayed due to high river levels this spring/summer – when levels dropped the tie-in work on the west bank was completed
- Photos
 - Causeway into the river
 - Working from a barge
 - Subaqueous trenching
 - Meter vaults
 - Valve vaults
 - Pipe welding



















