



Case Study Category: MPWW

Case Study Title: Condition Rating and Rehabilitation Prioritization Approach for Unlined Concrete Sewer, Phoenix, Arizona

Utility Name: City of Phoenix Water Services Department

Case Study Abstract: This case study presents the approaches used to evaluate the condition of the sewers, the final condition rating of each segment, and the development of pipe criticality for prioritization of rehabilitation. In this case study, the failure mechanism of concrete pipe due to corrosion is introduced. The overall process of structural and operation condition grading is also presented. Once the pipe condition is rated, the prioritization of pipe can be made based on the condition rating and the consequence of failures.

Case Study Link: <http://waterid.org/content/condition-rating-and-rehabilitation-prioritization-approach-unlined-concrete-sewer-phoenix-a>