



Case Study Category: CAWW

Case Study Title: Renewal Options for Large Diameter Stormwater Outfall in Aurora, Colorado

Utility Name: Aurora Water

Case Study Abstract: The Center City Outfall is a large diameter pipeline that transports stormwater through a central part of Aurora, Colorado. In 2007, the City initiated a project to assess the condition of the pipeline and discovered several locations where the corrugated metal pipe (CMP) material was severely deteriorated. The two main issues were crown deflections and rust resulting from constant exposure to water, both of which were likely to cause structural issues and eventually failure. Several alternatives were considered for renewal of the pipeline, each of which are discussed in this case study. A background of the utility, technologies, and project are provided as well as the general advantages, limitations and cost considerations for each technology alternative.

Case Study Link: <http://www.waterid.org/content/renewal-options-large-diameter-stormwater-outfall-aurora-colorado>