

## **The Melbourne Project: How to Make Better Decisions Using Pipe Penetrating Radar**

Pipe penetrating radar (PPR) is a condition assessment technology that uses high-frequency GPR from inside non-ferrous pipes. PPR sees past the inner surface of the pipe and measures the wall's thickness and deterioration; being able to detect voids that may be occurring outside the pipe. With millimeter accuracy, PPR can detect voids in the first stages of development before they turn into sinkholes. This technology is a non-destructive testing method and is a very useful tool to predict the need of rehabilitation or the timing of replacement. This paper will look at how PPR is used as part of effective asset management plans through a recent case study.