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**Abstract Title:** Evolution of Culvert Inspection Program Techniques

**Abstract Theme:** Advances in Buried Infrastructure Asset Management

**Abstract:**

Culvert management is a frequently neglected component of the roads and drainage system. Although there are some established programs for data collection, improved techniques are needed to develop a thorough understanding of the rate of deterioration of culverts of varying material types. Many culverts are located under arterial roads or highways. Culvert failure can have a significant impact on social and economic costs.

This presentation will review some standard data collection methods and the challenges encountered during the inspection process. We will also introduce some innovative techniques to measure pipe deformation in corrugated metal pipe for predicting safe loads.

Selection of various trenchless rehabilitation methods to address pipe geometry and a variety of deterioration parameters will also be presented.