Utilizing Evolving Technologies for Inspection and Assessment of Large Pipeline Assets

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ABSTRACT

Large-diameter buried pipelines, particularly those that convey wastewater, represent more than $500 billion in asset investment for cities, municipalities and wastewater agencies. They are failing at an alarming rate due to age, adverse environmental conditions, and operational neglect. In 2013, the ASCE Report Card on America’s Infrastructure assigned a score of “D” to these wastewater systems. However, there are a number of important and technology developments and breakthroughs to inspect, assess, and rehabilitate these critical “hidden” assets. This presentation is a two-part lecture series that will highlight the newest technologies, resources, and trenchless solutions that are being used successfully to extend their service life, reduce the risk of pipeline failure, and mitigate the consequences of such failures.

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