

# Water and Sewer CCTV Inspection Methods & Techniques

Presented by Brian Gastrock



**Abstract:** The need to inspect and determine the condition of existing buried pipelines has existed since the very first water, sewer, and storm pipes were installed. The expansion of existing infrastructure around the globe has required municipal, state, and governmental agencies to determine the condition of the existing infrastructure before the pipelines fail, because failures of pipelines are costly both in construction costs and public perception. Technological improvements along with the need to have more detailed information, have changed with technology, cameras, and methods. This presentation will cover the history and some of the technologies available in Alaska for public utility pipelines.

**Biography:** Brian Gastrock was born and raised in Anchorage. He graduated from the University of Wyoming in 2001. He paid his way through college working as a construction laborer installing private water and sewer systems for a local residential development contractor. His experiences in the field helped him apply the practical knowledge of buried pipeline systems to both his civil engineering degree and his career. He has worked for Steph Engineering for 10 years and enjoys working in the Trenchless industry - both in condition assessment and design. He has been actively involved in ASCE and NASTT, both as an officer of the Anchorage Branch of ASCE and as a Director of the Pacific Northwest Chapter of NASTT.

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