



UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE



UAA Professional Development Seminar Series

Anchorage Storm Drain Pipes: Inspection Results and Findings

Presented by Matt Stephi, PE

The storm drain system in Anchorage contains approximately 525 miles of pipes that are owned by the Municipality of Anchorage (MOA) and the State of Alaska Department of Transportation and Public Facilities

(DOT&PF). Many of the storm pipes are in poor condition and numerous failures have been observed and repaired. The MOA is planning to form a new Storm Water Utility to manage and operate the storm system in Anchorage. In a study completed in January 2019, MOA staff estimated that roughly \$1.0 billion is needed to bring the existing MOA-owned portion of the storm system to acceptable condition.

Since 2007, Stephi Engineering has completed inspection and condition assessment projects on 150,000 feet of storm pipe within the Anchorage area. The work has been done on pipes and manholes that are owned by both the MOA and the DOT&PF. This presentation will summarize the results of the various inspection projects and describe the defects and failures observed, and the findings from the condition assessment projects. Recommended estimated costs to upgrade or repair the defective pipes that were inspected will also be discussed.

Matt Stephi, P.E. graduated as a civil engineer from UAA. He has inspected, evaluated, provided QA/QC and designed repairs on 500,000 feet of pipe, and has engineered over 100 pipe repair projects in Alaska. His firm, Stephi Engineering LLC, specializes in pipe condition assessment and trenchless technology engineering.

Friday, October 18, 2019

11:45 am-12:45 pm

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