



North American Society for Trenchless Technology  
2007 No-Dig Conference & Exhibition



San Diego, California  
April 15-20, 2007

Paper F-1-01

## INTERCEPTOR ASSESSMENT – TAKING THE FIRST LOOK

Gene Jones<sup>1</sup> and Mike Stram<sup>1</sup>

<sup>1</sup>City of Reno, 1 East 1<sup>st</sup> Street, Reno, NV 89501

**ABSTRACT:** The City of Reno has approximately 65 miles of interceptor pipe ranging from 18-inches to 72-inches. The majority of these pipes have never been examined until a condition assessment program was developed and initiated in 2002. The program was established using a systematic approach to examine every interceptor pipe segment and their associated structures. The data was compiled and a structural condition rating of each interceptor segment was established. This system would allow the City to compare and rate each segment against all other interceptor segments in the system. A criticality rating system was established for the interceptor system that would rate each interceptor segment on “risk” to the City if a catastrophic failure to the segment were to occur. The City proceeded to develop two other programs from the condition assessment program. An interceptor rehabilitation program was developed to address future priorities by utilizing the condition assessment and criticality ratings. The second program was developed to determine when the City would need to perform re-inspection of non-rehabilitated interceptor segments.

This paper identifies how the City developed these programs and how the large quantities of data was collected, compiled and analyzed. Based on our experience the primary issues will include:

- Determine how and what field data to collect.
- Compiling, organizing and performing QA/QC on large amounts of data.
- Visually tracking collected data with the GIS Mapping System.
- Developing condition assessment and criticality rating systems for individual interceptor pipe segments.
- How the City developed and initiated the interceptor rehabilitation and re-inspection programs.