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## TESTING OF CIPP RESINS USED WITHIN THE CITY OF TORONTO SEWERS

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**ABSTRACT:** In October 2002 the City of Toronto's Works and Emergency Services sent a request for Proposal for *Professional Services for 10,000 hours Testing of CIPP Resins, within the City of Toronto Sewers*. The city required this information to develop a better understanding of CIPP resins short and long-term design strength properties, and the determination of CIPP 50 year creep retention factors. This paper describes the need for high quality independent obtained material properties for the development of a long-term capital works program and to justify the cities current rehabilitation programs. Results of the detailed test program completed by the Centre for the Advancement of Trenchless Technologies are presented. This includes over 20,000hours of creep testing data. It will also present lessons learned and the need for third party testing.