



Highway 400 runs through the centre of Barrie.

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Highway 400 Storm Sewer Repairs - MTO

This project entailed the rehabilitation of approximately 5,000 metres of CSP and concrete storm-drainage piping on of Canada's busiest highways, Highway 400. The project included 380 metres of joint sealing, 186 metres of point repair and 770 metres of pipe lining utilizing cured-in-place pipe (CIPP). The rehabilitated pipes are situated at 115 different locations over a 28 kilometre section of Highway 400 between Highway 89, through the City of Barrie, to Highway 93. The primary access to the storm-sewer pipes was from the inside lanes of the six-lane highway.

Heavy weekday commuter traffic (60,000 vehicles/day) southward to the Greater Toronto Area (GTA) and heavier weekend traffic (90,000 vehicles/day) northward to 'cottage country' meant severe time restrictions on lane closures. In addition, 'no construction' stipulations by the Ministry of Transportation (MTO) during wet or winter conditions further restricted the on-site construction time. Construction began September 20, 1999 and had to be completed during MTO's 1999 budget year (ending March 30, 2000). Trenchless technology was the only viable construction option that would allow for the 'replacement' of the degrading storm-sewer pipes within the required time frame and budget.

Project Facts

Client: Ontario Ministry of Transportation (MTO)

Scope of Work:

- Rehabilitation of 5,000 metres of CSP and concrete piping
- 380 metres of joint sealing
- 186 metres of point repair
- 115 different locations
- Severe time-frame and access restrictions
- Utilization of trenchless technology.

Project Cost: \$2,580,000 (2000)