

Muskoka Road 6 & 13 Culvert Relinings

Client: District Municipality of Muskoka

Year: 2016



SERVICES PROVIDED

CCTA was retained by The District Municipality of Muskoka to provide engineering design, construction inspection, and contract administration for the rehabilitation of culverts in 2016. The existing twin culverts on MR 6 were corroded and each had one displaced joint. It was determined that relining with polymer coated galvanized CSP would effectively extend the life of the culverts. The CSPA culvert on MR 13 was severely corroded at the water line, and required a reinforced concrete invert liner. By relining the culverts, the roads were able to remain open at all times during construction. Other restoration works included minor improvements to the structure guiderail and removal of upstream beaver dams. The design of both projects considered the reduced hydraulic capacity of the relined culverts, staging to minimize disruption of stream flow during construction and provision of baffles to promote fish passage.

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