

D.M. WILLS ASSOCIATES LIMITED

Two Lane Highways

Highway 11 – Trans-Canada, Englehart - MTO Northeastern Region

This highway expansion and rehabilitation project included implementation of two pavement rehabilitation strategies, in-place full depth reclamation and pave and CIREAM. Two new passing lanes were constructed as part of the work. Work included replacement of 10 centreline culverts, one of which was considered a deep fill culvert and illumination at four highway to highway intersections, property acquisitions and relocation of a major hydro transmission line.

Highway 522 –Trout Creek - MTO Northeastern Region

This highway rehabilitation project included pulverizing and paving of approximately 20 km of King's highway and replacement of more than 50 centreline culverts, 12 of which were considered deep fills. Wills developed a strategy to replace nine of the deep fill culverts with the use of grade lowering/widening and 24-hr operations. Wills also recommended and implemented the use of pipe ramming technologies to replace three of the deep fill culverts which were located in areas with very poor highway geometrics and posed risks to driver safety if using staged construction. These projects were undertaken as Group B assignments under the MTO Class EA.

Realignment of Highway 7 and Replacement of CNR Structure – Peterborough - MTO Eastern Region

This project includes the realignment of Highway 7 for 2.4 km, intersection improvements and signalization at Lily Lake Road and a new structure to facilitate the existing recreational trail beneath Highway 7. Replacement of twin arch culvert approximately 500 m south of Parkhill Road was also included in the work. This project is being conducted as a Group B Class EA under the MTO Class EA.

Highway 17 – Major Reconstruction and Widening - MTO Northeastern Region

Detail Design for the rehabilitation of Highway 17 including the construction of an eastbound passing lane (2.4 km), rehabilitation of two CSP structural culverts, (Bastien and Resmer Creek Culverts), and replacement of a number of centerline culverts, some of which were considered deep fill culverts. The project also included the integration of a bridge rehabilitation design.

Project Profiles

