

D.M. WILLS ASSOCIATES LIMITED

Traffic Studies

Traffic Impact Studies

Highway 35, Minden, Commercial Development

A Traffic Impact Study for the expansion of a commercial development in the Township of Minden Hills along Highway 35. Work included study of two Ministry of Transportation (MTO) signalized intersections in close proximity to the subject site and related liaison with MTO officials. Recommendations of the study included provision for left turn lanes on Highway 35 and revised entrance geometry and location.

County Road 49 – Quarry Development

A Traffic Impact Analysis to evaluate the potential impact of quarry expansion on the adjacent road network. The quarry was located adjacent to the County Road 49 in the Township of Galway, County of Peterborough.

Traffic Signals

Highway 7 / Lily Lake Road

Detail design of the Highway 7/ Lily Lake Road intersection including signalization and the addition of left turn lanes and a dedicated right turn lane for the northbound traffic on Highway 7. Wills prepared the traffic signal timing and phasing to maintain an acceptable level of service at the intersection. Traffic simulation software was used as a tool to observe the intersection operations and to identify if any operational problem may exist with the proposed signal timing.

Traffic Staging / Operations

The Parkway/Highway 7/115/ Sir Sandford Fleming Drive -Peterborough

The above project included intersection improvements and expansion of a six-legged intersection. The project required multiple staging and temporary signal configurations to facilitate traffic during construction. Wills developed an intricate staging plan to accommodate construction activities while maintaining a level of service through the intersection.

Highway 7, “Springville” Structural Culvert Replacement Staging

The above project included review and analysis of traffic operations and lane-closure timing to facilitate replacement of a structural culvert beneath high-volume Highway 7. Through Wills' review and recommendations work was successfully completed with the use of 24-hr per day single-lane closures