



Michael Dworczak, P.Eng.

PRINCIPAL, SENIOR TRANSPORTATION ENGINEER

With over 13 years of experience, Michael has had the opportunity to work on a variety of transportation related projects from traffic impact studies for developers to leading the traffic and utility scope for large-scale transit projects such as the Surrey-Langley SkyTrain Project in Vancouver and the Scarborough Subway Extension in Toronto. Through these roles Michael has provided hands-on leadership and has represented the project owner to resolve complex issues while maintaining alignment and communication with municipal stakeholders and transit authorities.

EDUCATION

Bachelor, Civil Engineering,
McMaster University, Hamilton,
ON, Canada, 2012

MEMBERSHIPS

Professional Engineers
Ontario (PEO), 100188927

Association of Professional
Engineers & Geoscientists
of British Columbia
(APEGBC), 48037 (*Expired
2024 [can renew]*)

Canadian Society of Civil
Engineers (CSCE)

CERTIFICATIONS

OTC - Work Zone Traffic
Control and Safety

As a transportation engineer, Michael has conducted numerous traffic impact studies and developed strong expertise in traffic data analysis, including data collection, traffic distribution, trip generation, traffic modeling, and traffic engineering design. Proficient in Synchro (network operations analysis) with working knowledge of VISSIM and ArcGIS (ArcMap), Michael is also certified in work zone traffic control and safety, with expertise in construction staging operations and comprehensive knowledge of roadway signage and traffic management plans. This experience encompasses a wide range of traffic expertise, contributing significantly to traffic components analyses for projects spanning Subway and SkyTrain construction to LRT/BRT implementation. Additional work includes Class EA studies, road reconstruction, needs and justification analyses, traffic operational analyses, travel demand forecasting, and construction staging analyses.

While working in BC, additional experience was gained in construction site supervision roles being involved with the completion of major rail yard expansion at the BCR Deltaport terminal, as well as producing and providing peer review of construction traffic management plans for a variety of heavy rail projects involving authorities such as the Vancouver Fraser Port Authority (VFPA), CP Rail and the BC Ministry of Transportation and Infrastructure (MOTI).

FEATURED PROJECT EXPERIENCE

Transportation Engineering & Planning

Role: Transportation Planner, Traffic Engineer, Project Manager

Services Provided: Traffic Impact Studies, Data Analysis, Traffic Forecasting, Traffic Operations Analysis, Safety Analysis, Technical Review, Conceptual Design, Stakeholder Consultation, Public Consultation, Council Presentations, Project Management, Evaluation of Alternatives, Guideline Development, Network Development, Environmental Assessments, Program Development, Policy Formulation

- 231 Bay Street North TIA, Hamilton, ON
- SkyTrain Operations and Maintenance Centre 4, TransLink, BC
- Canadian Pacific Rail: Cascadia West Expansion, VFPA, BC
- Centerm Rail Expansion Project, VFPA, BC
- Great Lakes Blvd/Timeless Dr Roundabout Analysis and Detailed Design, Oakville, ON
- Operational Review of Existing Traffic Calming, City of Vaughan, ON
- Sioux Lookout High School Traffic Impact Study, Sioux Lookout, ON
- Parkdale Development Traffic Impact Study, Thunder Bay, ON
- Superior Gas Limited Traffic Impact Study, Stevensville, ON
- Review of Proposed Access to 5002 King Street, Grimsby, ON
- Elmwood Drive Site Access Traffic Impact Study, Moncton, NB
- Technical review of access requirements for proposed commercial development at 388 Queen Street, Acton, ON
- VIVA Next Bus Rapid Transit Expansion Pursuit (Metrolinx and IO), York Region, ON
- Eglinton Crosstown Twin-Tunnel Project, Toronto, ON
- Ministry of Transportation Northwest Retainer, Thunder Bay, ON
- Waterloo Tri-City LRT Pursuit, Waterloo, ON
- The Rt. Hon. Herb Gray Parkway [Windsor-Essex Parkway], Windsor, ON
- Tote Road Mary River Mine Road Signage, Baffin Island, NU
- Highway 22 Access to Mosaic Esterhazy K3 Site, Saskatoon, SK
- Cliffs Chromite Mine Traffic Impact Study, Nakina, ON
- IKEA Access Peer Review, Burlington, ON
- Thompson Nickel Concentrate Load-Out Study, Sudbury, ON
- Ogilvy Avenue Rail Crossing Traffic Impact Study, Montreal, QC
- Winston Churchill Boulevard Widening Class EA Study, Mississauga, ON
- Elgin Mills Road Class EA from Bathurst Street to Yonge Street, York, ON
- Mayfield Road Widening Class EA Study, Brampton/Caledon, ON
- Kitney Drive Extension Class EA Study, Ajax, ON
- McVean Drive Class EA Study, Mississauga, ON

Construction Staging & Safety

Role: Transportation Planner, Traffic Engineer

Services Provided: Traffic Forecasting, Traffic Operations Analysis, Safety Analysis, Program Development, Policy Formulation, Public and Stakeholder Consultation, Council Presentations, Project Management

- Pattullo Bridge Rehabilitation Project, MOTI, BC
- Roberts Bank Intermodal Yard Expansion, BCR, Delta, BC
- Hwy 50 Trunk Sanitary Sewer Construction Traffic Management Plan, Brampton, ON
- Central Avenue Construction Staging and Traffic Control Plan, Fort Erie, ON
- Burbrook Trunk Sanitary Sewer Traffic Control Plan, London, ON
- Alloa Feedermain Consolidated Traffic Management Plan, Brampton, ON

Transit & Sustainable Mobility

Role: Project Manager, Project Manager, Utility Lead, Transportation Engineer, Transportation Planner

- Corridor Incident Management/Emergency Detour Routeing Plan Development and Implementation, Halton, ON
- Niagara-on-the-Lake Speed Limits Review, Niagara-on-the-Lake, ON

Services Provided: Technical Review, Compliance, Traffic & Transit Management Planning, Utility Coordination, Stakeholder Consultation, Council/Community Presentations, Project Management, Technical Review, Conceptual Design, Research, Travel Demand Forecasting, Network Analysis, Traffic Operations Analysis, Safety Analysis, Preliminary and Detailed Design

- Scarborough Subway Extension (SSE) PDB, Metrolinx, Toronto, ON
- Surrey–Langley SkyTrain Extension, TransLink, Surrey–Langley, BC
- Scarborough Subway Extension (SSE) P3, TTC, Toronto, ON
- Honolulu Rail Transit Project, HART, Honolulu, HI
- Eglinton Crosstown LRT Twin-Tunnel Project, Toronto, ON
- Infill Sidewalk and Multi-Use Trail Program, Town of Ajax, ON
- VIVA Next Bus Rapid Transit Expansion Pursuit (Metrolinx and IO), York Region, ON
- Eglinton Crosstown Twin-Tunnel Project, Toronto, ON
- GO Transit Planning Studies on Confederation GO Station, Hamilton, ON
- Waterloo Tri-City LRT Pursuit, Waterloo, ON

Road/Highway Design and Construction

Role: Transportation Planner, Traffic Engineer, Quality Control Auditor

Services Provided: Traffic Operations Analysis, Safety Analysis, Technical Review, Conceptual Design, Need and Justification, Tender Document Preparation, Contract Administration, Stakeholder Consultation

- Highway 61 Rehabilitation Detail Design, MTO Northwestern, Thunder Bay, ON
- Pattullo Bridge Rehabilitation Project, MOTI, BC
- Highway 61/Chippewa Road Preliminary Design Review, MTO Northwestern, Thunder Bay, ON
- Leslie Street and 19th Avenue Intersection Reconstruction, York, ON
- Regional Road 13 Road Reconstruction, Durham, ON
- Convair Drive Road Reconstruction, GTAA, Toronto, ON
- Town of Ajax Infill Sidewalk and Multi-Use Trail Program, Ajax, ON
- Rt. Hon. Herb Gray Parkway (Windsor-Essex Parkway), Infrastructure Ontario, Windsor, ON