



Josée Dumont,
M.A.Sc., RSP2I, P.Eng.



Expert Summary

Josée is a transportation safety engineer with TNS and has over 13 years of experience specializing in the fields of traffic safety and transportation planning, including transportation policy development, traffic operational reviews, transportation master plans, environmental assessments, transportation demand management, and active transportation. Her traffic safety experience includes site safety assessments, policy review and development, review of speed limits, safety reviews, literature reviews, development of safety performance functions, network screening, neighbourhood traffic calming, review of road maintenance activities, and peer reviews. She has been involved in several one-of-a-kind projects for various clients, for which she has investigated innovative methodologies and provided recommendations to implement new practices.

Specialized Professional Competencies

- Road User and Pedestrian Safety
- Human Factors and Positive Guidance
- Winter Maintenance
- Transportation Engineering and Peer Reviews

Professional Experience

- True North Safety Group: 2020-present
- EXP: 2019-2020
- Paradigm Transportation Solutions: 2016-2019
- CIMA+: 2009-2015
- McCormick Rankin Corporation: 2009
- MMM Group: 2007-2008

Academic Background

- Master of Applied Science, Civil Engineering (Transportation), University of Toronto, 2009
- Bachelor of Engineering, Civil Engineering, École Polytechnique de Montréal 2006

Project Experience

Review of Intersection Countermeasures, York Region, 2020

Retained to review countermeasures at four intersections and analyze pedestrian/cyclist safety using conflict analysis, and before and after countermeasure implementation.

Review of Safety at Plaza Access, York Region, 2020

Reviewed safety and operational concerns at a commercial access along Highway 7 in Vaughan. Provided recommendations to modify the movements allowed at the access

to improve safety while minimizing impacts on traffic operations.

Traffic Study of Nelles Road South and Dorchester Drive, Town of Grimsby, 2020
Conducted a road safety review and sidewalk connectivity study along Nelles Road South and Dorchester Drive, in the Town of Grimsby. The project included the assessment of traffic calming measures, public engagement and education.

Yonge Street Corridor Review, York Region, 2020
Reviewed two intersections along Yonge Street in Richmond Hill. The review included the assessment and recommendation of alternatives to improve traffic safety and operations.

Plaza Access Safety Review, York Region, 2020
Reviewed safety and operations at the accesses to a private plaza located near the intersection of 16th Avenue and Woodbine Avenue in Markham. Provided recommendations to modify the accesses to increase traffic safety while minimizing impacts on traffic operations.

Melville Avenue Operational Safety Review, Vaughan, 2020
Retained to complete a safety review of Melville Avenue, including needs and opportunities for active transportation, traffic operations, traffic safety and heavy vehicles traffic.

Intersection Conflict Analysis, Cobourg, County of Northumberland, 2019
Reviewed traffic conflict analysis at the Elgin Street and Ontario Street intersection and impacts on past recommendations.

Speed Limit Review, County of Norfolk, 2019
Conducted a review of posted speed limits in two locations, including a horizontal curve

advisory speed, and development of a speed limit review policy.

Elgin Street and Ontario Street Implementation Plan, Cobourg, County of Northumberland, 2019
Prepared a signal timing changes plan for implementation at the intersection of Elgin Street and Ontario Street, and reviewed safety impacts.

St. Raphael Catholic Elementary School Traffic Study, Toronto Catholic District School Board, City of Toronto, 2019
Conducted a traffic safety and reviewed traffic operations around the school, and provided recommendations for improvements.

University Avenue Pedestrian Safety Review, McMaster University, City of Hamilton, 2019
Reviewed pedestrian safety and pedestrian crossover needs along University Avenue on the campus of McMaster University.

Traffic Safety and Conflict Review, Intersection of Bruce Road 19 and Bruce Road 4, Walkerton, Bruce County, 2019
Retained to review traffic conflict analysis and safety of the Bruce Road 4 and Bruce Road 19 intersection, and provide recommendations for improvements.

Muskoka Road 118 Detailed Engineering Analysis, Port Carling, District of Muskoka, 2019
Completed an operational and safety review of Muskoka Road 118 including pedestrian facilities, intersection traffic control, on-street angle parking and sight distances. Provided recommendations to improve interactions between through vehicles, parking maneuvers and pedestrians.

Needs Environmental Assessment Update for County Road 25, Bruce County, 2019

Conducted an operational, safety and needs assessment for County Road 25, between County Road 33 and Highway 21. Provided client with identification and assessment of opportunities and recommendations.

Travel Time Study, Town of Halton Hills, 2019

Data collection and analysis review of 7_-corridors within the Town. Analysis included comparison with previous years.

Lane Reconfiguration Feasibility Study, Town of Caledon, 2019

Retained to conduct a feasibility study of adding active transportation facilities to two existing roadways, Kennedy Road and Queensgate Boulevard, as part of the Revitalizing Caledon Streets Program.

Pedestrian Crossing Warrant Analysis, Town of Tillsonburg, 2018

Retained to complete a warrant analysis for a pedestrian crossing facility at the Trans Canada Trail and Broadway crossing, including data collection, analysis and recommendations.

Speed Limit Review, Waste Management Centre, Region of Waterloo, 2018

Reviewed the posted speed limit within the waste management centre, including the review of a horizontal curve advisory speed.

St. Eugene Catholic Elementary School Traffic Study, Toronto Catholic District School Board, City of Toronto, 2018

Completed a traffic safety and traffic operations review around the elementary school. Provided recommendations for improvements.

Kennedy Road Environmental Assessment, Town of Caledon, 2018

Conducted an operational, safety and needs

assessment of Kennedy Road, between Old School Road and Bonnieglan Farm Boulevard. The study area included a new school. Identification and assessment of opportunities and recommendations were provided to the client.

Pedestrian Safety Program, Town of Oakville, 2017

Participated in the review of existing policies and practices, recommendations for use of pedestrian crossovers, identification of potential locations for implementation of pedestrian crossing treatments, development of a prioritization methodology and tool to rank potential pedestrian crossing locations. Presented the findings at the 2019 CITE Conference.

Posted Speed Limit Reviews, Township of Centre Wellington, 2017

Reviewed posted speed limits on various roadways within the Township.

Leaside Traffic Calming Study, Leaside Property Owners' Association, City of Toronto, 2017

Retained to complete a neighbourhood-wide traffic study, including the identification of issues, preparation of a traffic calming plan and public consultations.

Environmental Assessment of Main Street and Queen Street, City of Brampton, 2017

Retained to complete a safety assessment as part of a Class Environmental Assessment.

Speed and Delay Study, Region of Halton, 2017

Completed data collection and analysis along 12 corridors within the Region. The analysis included comparison with previous studies.

Traffic Impact and Parking Study, Diamond Schmitt Architects, Trafalgar Park Revitalization Project, Town of Oakville, 2017

Retained to complete a traffic impact study and parking study for the Trafalgar Park Revitalization project. The revitalization included: new fire hall, indoor arena extension, community centre, and improvements to outdoor equipment and sport fields.

Cork Drive Traffic Operational Review, Town of Whitby, 2016

Technical review of operational and safety issues along a residential roadway. Recommendations for traffic calming strategies were provided, and public information meetings were held.

Operational Safety Review of the Intersection of County Road 30 and Old Wooler Road, Brighton, County of Northumberland, 2016

Completed technical review of operational and safety issues at the rural three-leg intersection, including traffic impacts of an adjacent quarry. Recommendation of improvement strategies were provided.

Operational and Safety Review of the Intersection of Elgin Street and Ontario Street, Cobourg, County of Northumberland, 2016

Retained to conduct a technical review of operational and safety issues at the four-leg signalized intersection, including improvement strategy recommendations.

Mississauga Road Widening Class Environmental Assessment and Road Safety Analysis, Region of Peel, 2016

Completed a safety assessment as part of the Class Environmental Assessment. Study areas ranged from Financial Drive to Bovaird Drive West. Identification of safety issues and

provision of safety-related recommendations were provided to the client.

Professional Societies and Associations

- Member, Professional Engineers of Ontario (PEO)
- Member, Ordre des ingénieurs du Québec
- Member, Institute of Transportation Engineers (ITE)
- Road Safety Professional Level 1 (RSP₁), Transportation Professional Certification Board
- Member, Canadian Association of Road Safety Professionals (CARSP)

Additional Training

- Project Management Fundamentals, University of Waterloo, 2018
- Bicycle Safety and Risk Management, Ontario Traffic Council, 2018
- Pedestrian Safety & Risk Management Workshop, Ontario Traffic Council, 2018