



Warren D. Nicholishen

CRS, CST, CIG



## Expert Summary

Warren is a transportation operations and roadway management expert and a Senior Roadway Management Consultant with True North Safety Group. He has over 32 years of public sector experience in the areas of winter maintenance, roadway management, transportation operations, sidewalk/bikeway infrastructure, road regulations (Highway Traffic Act, Municipal Act, Drainage Act, etc.), and transportation policy development. For the past 15 years, he has been an instructor for the Ontario Good Roads Association (OGRA) Winter Maintenance Snow School, and has delivered research papers and presentations across Ontario and the United States with the OGRA, the Association of Ontario Road Supervisors (AORS), and the American Public Works Association (APWA). Warren has had two papers nationally published in Roads and Bridges magazine related to the maintenance of low volume and rural roads.

At TNS, Warren provides expert advice in relation to transportation facility operations and maintenance. In addition, Warren provides consulting services and training related to maintenance best practice, winter maintenance, transportation operations and works procedures/policies, asset/fleet management and inventory, maintenance contracts, road and winter maintenance equipment operations, maintenance facility and route optimization studies, snow and ice control strategies and salt management plans. Warren is an expert at preparing standard operating procedures, salt management plans and levels of service documents.

## Specialized Professional Competencies

- Winter Maintenance and Minimum Maintenance Standards
- Salt Management Plans
- Snow and Ice Management Strategies
- Transportation Best Practices Protocol and Levels of Service
- Maintenance Contracts
- Road Design Geometrics
- Road Surface Treatment Inspections
- Accessibility
- Developing Performance Management Protocols
- Road, Sidewalk, and Bikeway Design, Maintenance and Infrastructure
- Road Regulations
- Road User and Pedestrian Safety
- Transportation Planning
- Conflict/Issue Resolution and Mitigation
- Implementing Key Performance Indicators
- Road Allowance Mitigation Compliance

- Sustainable Standard Operating Procedures
- Winter Equipment Instruction
- Municipal Lab Work with Soils, Asphalt and Concrete Testing
- Fleet Asset Management

## Professional Experience

- City of Toronto: March 2018-present
- Municipality of Port Hope: 2016-2018
- City of Kawartha Lakes: 2013-2016
- Town of Richmond Hill: 2011-2013
- Durham Region: 2004-2011
- City of Oshawa: 1989-2004

## Academic Background

- Diploma in Land Surveying-Civil-Construction Technology, Loyalist College, 1987
- Certified Road Superintendent, Association of Ontario Road Supervisors
- Certified Survey Technologist, Ontario Association of Certified Engineering Technicians and Technologists
- American Concrete Institute, Certified

## Additional Courses

- Ministry of Labor, Mediation and Negotiation, 2015
- Public Service Health and Safety Association, Competent Supervisor Negotiations, 2014
- Transportation Dangerous Goods, 2014
- Supervisor Health and Safety Awareness, 2014
- Accessibility for Ontarians with Disabilities Act, Accessibility, 2014 and 2015
- EAP training for Managers, 2012

- Emergency Management Ontario, Basic Emergency Management, 2010
- Stanton Associates Communications, Media Spokesperson course, 2009
- Ontario Good Roads Association, T.J. Mahony Road Construction, 2008
- Ontario Good Roads Association, T.J. Mahony Road Maintenance, 2007
- Ontario Good Roads Association, Snow School, 2006
- Ontario Good Roads Association, Road Design Geometrics, 2001
- Province of Ontario Weed Inspectors Conference, Noxious Weeds Act, 2006-2011
- American Concrete Institute, Certification Program, Certification Level 1, 2002
- Ontario Good Roads Association, Public Administration, 1998
- Durham College, Ontario Development Management Program Effective Supervision: Administration, Human Relations, and Supervision, 1998 - 1999
- Canadian Union of Public Employees, Labour Law Course, 1995

## Teaching & Advising Experience

**Winter Maintenance Instructor, Ontario Good Roads Association (OGRA), 2004 - present** – Instructor for the OGRA Winter Maintenance School teaching Minimum Maintenance Standards, snow and ice management strategies, interpreting weather forecasts, etc. to engineers, equipment operators, patrollers, supervisors and winter maintenance professionals.

**Road School Instructor, Ontario Good Roads Association (OGRA), 2016 -present** – Instructor of the Roadway Management course for the OGRA Road School.

**Learning Modules Development, American Public Works Association (APWA), 2011** – Developed three learning modules as part of

the Winter Maintenance Certificate program offered by the APWA.

**Instructor & Committee Member, American Public Works Association (APWA), 2011-present**

## Professional Societies and Associations

- OGRA, Road School Course Director
- OGRA, Winter Maintenance Course Instructor
- OGRA, Roadway Management Course Instructor
- ORSMG, Chair, 2-year term, OGRA
- APWA (American Public Works Association), Winter Conference Selection Committee Chairperson
- ORSMG, Co-Chair
- APWA, Instructor & Committee member
- AORS, Certified Member
- CPWA, APWA member
- OGRA, Training Committee Instructor Winter Maintenance
- OGRA, Snow and Ice Colloquium Committee member
- ORSMG, Ontario Road Salts Management Group Member
- Appointed Regional Weeds Inspector
- Region of Durham Regional Health Department, Larvicide Committee
- Provincial Work Group Panel, Ministry of Colleges/Universities, for Land Surveying
- Canadian Institute of Geomatics, Member

## Publications/Presentations

- *MMS Discussions: Part I | Bikeways and Sidewalks (How to Prepare)* presentation, Ontario Good Roads Association Managing Winter Operations: Challenge of Change – Winter Edition Seminar, October 2018
- *Gravel Road Winter Maintenance* presentation, American Public Works Association, Michigan State DOT and LTAP Winter Conference, 2018
- *Winter Maintenance of Gravel and Rural Roads* article, Roads and Bridges magazine, 2017
- *Maintaining Gravel and Surface Treated Roads* presentation, American Public Works Association, 2017
- *Handling A Low Volume*, article, Roads and Bridges magazine, August 2016
- *Innovative Snow Storage and Mitigating Environmental Impacts* presentation, American Public Works Association Conference in Toronto, Ontario and Grand Rapids, Michigan, 2015
- *Design and Sustainability for Long Term Maintenance Operations* presentation, American Public Works Association Conference in Milwaukee, Wisconsin, 2012
- *How to Prepare a Winter Operations Plan*, American Public Works Association Conference in Spokane, Washington, 2011
- *How to Outsource Your Winter Maintenance Activities* presentation, American Public Works Association Conference in Omaha, Nebraska, 2010