



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, Equipment Operations, and Minimum Maintenance Standards
- Salt Management Plans
- Snow and Ice Management Strategies
- Transportation Best Practice Protocol and Levels of Service
- Fleet Asset Management
- Maintenance Contracts
- Road Surface Treatment Inspections
- Accessibility
- Developing Performance Management Protocols
- Road, Sidewalk, and Bikeway Infrastructure and Maintenance
- Road Regulations
- Implementing Key Performance Indicators
- Road Allowance Mitigation Compliance
- Sustainable Standard Operating Procedures

- Municipal Lab Work with Soils, Asphalt and Concrete Testing

Professional Experience

- City of Toronto: March 2018-2019
- 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

- Ontario Good Roads Association, T.J. Mahony Road Construction, 2007-2008
- 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, Snow School, 2006
- Ontario Good Roads Association, Road Design Geometrics, 2001
- American Concrete Institute, Certification Program, Certification Level 1, 2002
- Ontario Good Roads Association, Public Administration, 1998

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
- Ontario Road Salts Management Group (ORSMG), Member and Co-Chair
- APWA, Instructor & Committee member
- AORS, Certified Member
- CPWA, APWA member
- OGRA, Snow and Ice Colloquium Committee member
- 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

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,