



Education

*B.A.Sc. (Honours)
Civil/Geotechnical
Engineering, University of
Toronto, 1976*

Recognitions

*Transportation Association
of Canada Distinguished
Service Award,
September 2010*

*Awarded title of "National
Associate" by the US
National Academies of
Science, Engineering and
Medicine, 2016*

*Emeritus Member TRB
Committee on Pavement
Rehabilitation,
January 2009*

*Charles R. Valentine Award
for Excellence in Cold
Recycling, Asphalt
Recycling and Reclaiming
Association (ARRA),
February 2008*

*Best Paper Award, 7th
International Conference on
Managing Pavement Assets
(ICMPA), Calgary Alberta,
July 2008*

*Canadian Summit Award for
Leadership in Green
Procurement,
October 2007*

*Best Paper Award, 5th
International Conference on
Managing Pavements
(ICMP), Seattle,
Washington,
August 2001*

*Gilchrist Medal for Best
Technical Paper, TAC
Annual Conference,
September 1995*

*CTAA Editors Award for
Best Written Paper,
November 1995*

Tom Kazmierowski is a Senior Consultant with Golder Associates Ltd. specializing in Pavement and Materials Engineering. Prior to December 31, 2012, he held the position of Manager of the Office responsible for Materials Engineering and Research (MERO) within the Ministry of Transportation of Ontario. He is an internationally recognized contributor in the fields of both rigid and flexible pavement design, rehabilitation and management.

Mr Kazmierowski has over 35 years of experience in pavement/material investigation, evaluation, design, construction, maintenance, and rehabilitation. He has guest lectured/presented at numerous universities/conferences/symposia and has authored/ co-authored in excess of 100 technical papers (available upon request), including 16 papers published in Transportation Research Records (TRR).

As MERO Manager, Tom oversaw a team of highly specialized engineers and technicians providing technical and laboratory services in all aspects of pavement and foundation design, bituminous, concrete, soils and aggregate materials engineering and research.

Mr. Kazmierowski is currently Chair of the Construction Section (AFH00) and past Chair of the Design and Construction Group (AF000) for the Transportation Research Board (TRB) in Washington DC. He is past Chair of the Pavement Management Section (AFD00), as well as a past member of Pavement Rehabilitation Committee (AFD70), and current member of the Pavement Maintenance Committee (AHD20). He is past Chair of the Pavement Management Systems Committee (AFD10) and the Task Force on Roadway Pavement Preservation (AFO20T). In addition, he was Chair of the Ontario Provincial Standards Specialty Committee on Pavements for 23 years; past chair of the Pavements Standing Committee for the Transportation Association of Canada (TAC); past-chair of the Pavement Management Guide Steering Committee of TAC; and Steering Committee member for the 3rd, 4th, 5th, 7th and 8th International Conferences on Managing Pavements Assets (ICMPA). Recently he was a member of FHWA's Sustainable Pavements Technical Working Group, the CPTP Task 65 Engineering ETG and the Blast Furnace Slag ETG, as well as member of AASHTO's DARWin-ME Product Task Force, AASHTO's Technology Implementation Group on Precast Pavements, as well as past member of the AASHTO Subcommittee on Materials and AASHTO's DARWin-ME Project Task Force. Tom was Co-chair for the 6th ICMP held in Brisbane, Australia, invited keynote speaker at the 7th ICMPA in Calgary, Alberta, and expert panel speaker at the 8th ICMPA in Santiago, Chile.

Currently, he is an Expert Task Group member on NCHRP Synthesis 20-05 Topic 48-10 on Aggregate Quality Requirements for Pavements and past member of Project 14-33 on Preservation Performance Measures, and NCHRP 20-07/Task 357 on Guidelines for Collecting, Processing, and Managing Roadway Asset Inventory Data. He is a past member of Project 20-07(277) to Update the AASHTO Pavement Management Guide and Topic 40-13 on Recycling of Asphalt Pavement Using In-place Methods. He has recently served on NCHRP Topic 20-5 Automated Distress Data Collection and Topic 39-01 on Quality Mgmt of Pavement Distress Data Collection.

Tom is presently co-chair of the Review Advisory Board of the Transportation Research Record whose role is to maintain and enhance the quality of the TRR as a peer reviewed journal.



Tom has been actively involved in numerous major transportation infrastructure projects in Ontario including Hwys 401, 427, 400, 410, 415, and the QEW, as well as direct technical oversight in major Public-Private-Partnership projects including Hwy 407 Central and 407 West.

Recent technical involvement on pavement/geotechnical projects/assignments include:

- Provided independent review of both the Technical & Non-Technical aspects of the City of Toronto draft "Pavement Design & Rehabilitation Guideline" (PDRG).
- Provision of expert pavement troubleshooting services for owner during construction of the \$1.2 billion DBFM Detroit to Windsor border crossing urban freeway on Canadian side
- Provision of expert pavement evaluation services on the Owner's Compliance Review team for the 22 kilometre Hwy 407 East Phase 2 DBFM toll road project.
- Specialized investigation, laboratory testing and reporting on premature pavement cracking, Hwy 12, E. and W. of Orillia, Assignment No. 2013-E-0025, #4
- Provision of pavement design expertise on innovative precast concrete slab inlay repairs for deeply rutted heavily trafficked freeway pavements
- Independent QC Reviewer and Auditor for numerous geotechnical/pavement projects (listing available on request)

As Materials and Research Office Manager for MTO and Chair of the OPS Pavements Committee, Tom has championed and provided leadership/oversight for the development and implementation of specifications, standards and drawings for both municipal and provincial use in Ontario.

As a Project Steering Committee member for the revision and update of the 2013 TAC National Pavement Asset Design and Management Guide he provided independent review/comments on the technical content of new Guide.

He has taken a leadership role in the development and implementation of performance specifications and their use in area term maintenance contracts and long-term warranty contracts using various alternate contract delivery methods including minor and major DB projects.

Tom has championed various R&D projects, particularly on advanced sustainable pavement materials and recycling. He has successfully led numerous forensic investigations into poorly performing pav'ts and materials.

He has been principle in the development and implementation of innovative LCCA procedures and Alternate Bid contracts incorporating a novel approach where bidders add an agency specified LCC to their bid.

In 2016, the US National Academies of Science, Engineering, and Medicine has awarded Tom the honorary title of "National Associate" of the National Research Council in recognition of his extraordinary service.

At the 2010 Annual Conference in Halifax, the Transportation Association of



Canada presented Tom with their Distinguished Service Award in recognition of his exceptional long-term contribution to the Association and Canadian Transportation.

In Jan 2009, Tom was selected for recognition as an Emeritus Member of the TRB Committee on Pavement Rehabilitation to recognize his significant long term contributions to the activities of the committee.

In Feb 2008, Tom was honoured as the recipient of the Asphalt Recycling and Reclaiming Association's Charles R. Valentine Award for Excellence in Cold Recycling in recognition of his outstanding contributions to pavement recycling.

In Oct 2007, he was co-recipient of the Canadian Summit Award for Leadership in Green Procurement. The reward recognizes his leadership role in "Constructing Green Pavements" utilizing in-situ pavement recycling technologies.

Employment History

Golder Associates Ltd. – Mississauga, Ontario

Senior Consultant, Pavement and Materials Engineering (March 2013 to Present)

Ministry of Transportation – Ontario

Manager, Materials Engineering and Research Office (March 2007 to December 2012)

Various progressively responsible positions within the pavements, engineering materials, design, and construction fields (May 1976 to April 2007)

PROFESSIONAL AFFILIATIONS

Registered Professional Engineer, Ontario, (PEO)

Member of International Society of Concrete Pavements (ISCP)

Member of International Society of Asphalt Pavements (ISAP)

Member of Canadian Technical Asphalt Association (CTAA)

Past Chair, Board of Advisors, Centre for Pavement and Transportation Technology (CPATT), University of Waterloo

**SELECTED PUBLICATIONS**

Use of Pavement Management System Data to Enhance Pavement Performance Specifications in Canada, Smith, D., Lee, S., Kazmierowski, T., Transportation Research Record: Journal of the Transportation Research Board, No. 2573, DOI: 10.3141/2573-08

Development of Performance Specifications for Flexible Pavements, Smith, D., Lee, S., Kazmierowski, T., Presentation and publication at the 60th Annual CTAA Conference, November 2015, Ottawa ON.

Warm Mix Asphalt - A Greener Alternative to Hot Mix Asphalt, Kazmierowski, T., Presentation at Environmental Achievement Award Session, Annual Conference of the Transportation Association of Canada, Fredericton, New Brunswick, October 2012.

Chan, S., B. Lane, T. Kazmierowski, and W. Lee. 2011. "Pavement Preservation: A Solution for Sustainability." Transportation Research Record 2235, National Academy of Sciences, Washington, DC.

Sustainability Metrics of Flexible Pavement Preservation and Rehabilitation in Canada, Chan, S., Lane, B., Kazmierowski, T., proceedings of 12th International Conference on Asphalt Pavements, June 2014, Raleigh, North Carolina

Comparative Metrics of Two Sustainability Rating Systems Developed in Canada, Navarra, M. and Kazmierowski, T., 2014 International Concrete Sustainability Conference, Cambridge, Mass., May 2014.

Sustainable Pavements - Environmental, Economic and Social Benefits of In-situ Pavement Recycling, Kazmierowski, T., Presentation at NY State Association of Transportation Engineers Conference, May, 2013, Rochester, NY.

Long Term Performance of FDR with Expanded Asphalt on the Trans-Canada Highway near Wawa, Ontario, Kazmierowski, T., Lane, B., Proceedings of the Annual Conference of the Transportation Association of Canada, Fredericton, New Brunswick, Oct. 2012.

Pavement ME Design - Ontario's Calibration and Implementation Process, Kazmierowski, T., Lee, W., Presentation at DARWin-ME Workshop, Annual Conference of the Transportation Association of Canada, Fredericton, New Brunswick, October 2012.

Ontario's Experience with Precast Concrete Pavement Repairs, Kazmierowski, T., Workshop Presentation, 10th International Conference on Concrete Pavements, Quebec City, Quebec, July 2012.

Performance Evaluation of Heavy Duty Canadian Highways - Ontario Experience, Ningyuan, L., Tighe, S., Kazmierowski, T., Proceedings of ISAP 2012 International Symposium on HD Asphalt Pavements and Bridge Deck Pavements, Nanjing, China, May 2012.