



2024 FALL ASPHALT SEMINAR **NOVEMBER 28 - 2024**

PATHWAYS TO A
SUSTAINABLE FUTURE
FOR ASPHALT TECHNOLOGY

2024 OAPC PRIORITIES IN REVIEW

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Broaden knowledge and understanding of specific Ontario asphalt industry challenges.

Diversify capabilities for solutions.

Improve member efficiencies and experiences.

2024 OAPC Strategic Priorities

OVERVIEW – 2024 Strategic Priorities

OUR VISION – Dedicated to Quality and Sustainable Asphalt Pavements

OUR MISSION – To promote quality and sustainable asphalt products and paving techniques in Ontario.



The pillar of communication remains over-arching across every strategic priority listed above.

These identified priorities are meant to inform and support the development and implementation of ORBA's master strategic imperatives of "Sustainability, Labour, Funding and Risk Management".

QUALITY – To deliver quality asphalt pavements and pavement solutions to all customers in Ontario.

TRANSITION THE CURRENT TRILLIUM AWARD PROGRAM INTO AN OFFICIAL CERTIFICATION PROGRAM, WITH EMPHASIS ON EXPANDING THE SCOPE TO INCLUDE QUALITY, AND PROMOTE INCREASED BUY-IN FROM CUSTOMERS, OWNERS AND ORBA/OAPC MEMBERS.



OAPC Program?



Certification Framework Completion – Anticipated, March 2025



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QUALITY – To deliver quality asphalt pavements and pavement solutions to all customers in Ontario.

WORK IN PROGRESS



REALIZE THE ASPHALT TECHNICAL SYMPOSIUM (ATS) MANDATE, AND OBJECTIVE OF ENHANCING MEMBER PROFICIENCIES IN BALANCED MIX DESIGN (BMD) IMPLEMENTATION IN 2024.



Get Ready for Summer 2025 in Michigan, USA. MATC Site Visit and Open House @ Michigan DOT

**An asphaltic exchange of knowledge, ideas and innovation
Details To Be Confirmed!**



PATHWAYS TO A SUSTAINABLE FUTURE FOR ASPHALT TECHNOLOGY

SUSTAINABILITY – To promote asphalt strategies, initiatives and processes that will benefit the environment, improve society, and provide an overall economic benefit.

Advancing Efforts to Decarbonize the Asphalt Industry



National Research Council Canada

Conseil national de recherches Canada



DEVELOP A SUSTAINABILITY PLAN TO MEET GOVERNMENT'S COMMITMENT TO NET-ZERO BY 2050.

Develop an Environmental Product Declaration (EPD) for asphalt mixes in Ontario.

ALL ONTARIO ASPHALT PRODUCTION FACILITIES ARE ENCOURAGED TO PARTICIPATE TOWARDS GENERATING AVERAGE EPD BENCHMARK.



PATHWAYS TO A **SUSTAINABLE FUTURE** FOR ASPHALT TECHNOLOGY

SUSTAINABILITY – To promote asphalt strategies, initiatives and processes that will benefit the environment, improve society, and provide an overall economic benefit.

STIMULATE THE PROVINCIAL AND MUNICIPAL SPECIFICATIONS TO OPTIMIZE THE USE OF RAP AND WARM-MIX ASPHALT.

Partnership Collaboration Towards a High-RAP Warm Mix Asphalt Demonstration Trial in 2025.

WORK IN PROGRESS



National Research Council Canada

Conseil national de recherches Canada




- Up to 50% RAP in Base
- Up to 25, 40 and 50% RAP in Surface
- Incorporating a Rejuvenator
- Balanced Mix Design Implementation + Performance Testing
- Production & Field Placement Demonstration
- Pavement Instrumentation & Monitoring
- LCA study

STAY TUNED FOR 2025 OAPC PAVE-IN DETAILS



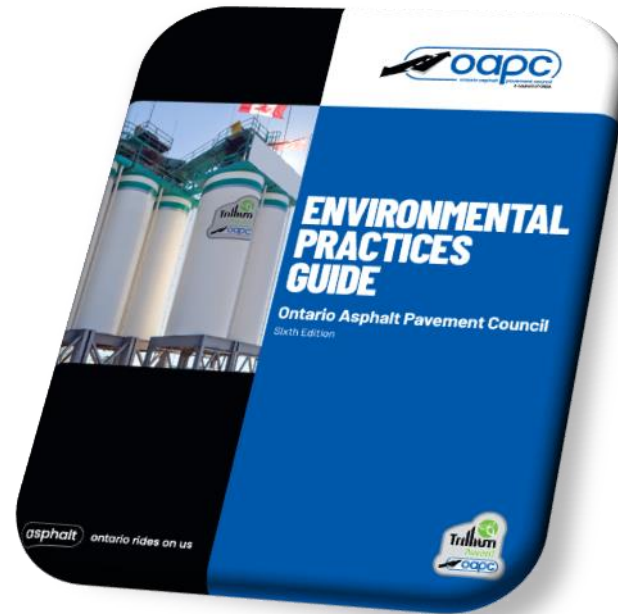
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**UPDATE THE
OAPC
ENVIRONMENT
PRACTICES
GUIDE (EPG)**

**Officially
Unveiled in March
@ SOPs 2.0**



It is intended to assist plant operators in operating and maintaining their facilities in a manner that minimizes potential environmental impact.

It attempts to outline a “**best available practices**” approach to environmental management **but** *does not claim to be all-inclusive or to cover all possible options*

USERS ARE ADVISED TO SEEK MANUFACTURER AND/OR CONSULTANT ADVICE WHERE MORE EXTENSIVE PROCESS AND EQUIPMENT CONTROLS ARE NECESSARY.

EPG is a Critical Component of the Trillium Award Program.

CODES, STANDARDS, SPECIFICATIONS AND REGULATIONS – *To proactively participate in the development, review and harmonization of achievable specifications and regulations industry-wide.*

ACTIVELY ENGAGE AND PROVIDE OVERSIGHT OF OPSS COMMITTEE.

- Several provincial and municipal specification issues being address – OPSS 310, 1101, 1010, 313 etc.

ACTIVELY REVIEW AND OVERSEE NEW SPECIFICATIONS AND SPECIFICATIONS CHANGES.

- Reawakened need to harmonize municipal HMA specifications.

IMPROVE THE ENVIRONMENTAL COMPLIANCE APPROVAL (ECA) PROCESS FOR ASPHALT PLANTS SO THAT ECA REQUIREMENTS ARE CONSISTENTLY APPLIED.

- Advancing conversations around HMA optimization, mix performance testing, continuous grade span (CGS) limitations, BMD, Grit Sand in SMA Applications, EPDs in MTO's Green Pave Rating System, and more.

- Collaborating with MECP to release a Technical Bulletin on silica data sampling.



RESEARCH & EDUCATION – *To support industry-focused research and provide adequate educational resources to members.*



ACTIVELY PARTICIPATE AND COLLABORATE WITH THE ONTARIO ASPHALT EXPERT TASK GROUP (OAETG).



CTAA 2023

After a day of insightful presentations at CTAA in Charlottetown, PEI on November 20, 2023., members and council had a fun night at OAPC's traditional dinner.

- **O-MAP Round 3 (Continuing Phase to Evaluate RAP up to 30%)**

- **Donating to the Asphalt Research & Advocacy Fund is Encouraged.**



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FURTHER DEVELOP EDUCATION PROGRAMS AND COORDINATE NEW RESEARCH IN PURSUIT OF COUNCIL'S VISION AND MISSION.

- 2024 Webinar(s) & Upcoming Educational Programs:
 - May 29: The Importance of Borderline Specifications for Asphalt Production (Domenic Passalacqua)
 - July 17: Municipal Paving Inspector Checklist (Scott Robinson)
 - September 25: International Experiences with High-RAP Content Mixtures (Mike Aurilio)



- Fundamentals of Asphalt Plant Operations
- Practical Solutions in Hot Mix Technology 2.0
- Pavement Inspector Course
- Mastering Pavement Preservation Techniques and Best Practices (NEW)



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RESEARCH & EDUCATION – *To support industry-focused research and provide adequate educational resources to members.*



Further develop education programs and coordinate new research in pursuit of Council's vision and mission.



- 4/6 College Presentations Completed in 2024.
- Approximately \$90,000.00 in Scholarship Investments since 2002 to Six (6) participating Colleges.

ADVOCACY & STAKEHOLDER RELATIONS – *To be the leading voice of asphalt pavements across Ontario.*



Continue to engage the Ministry of Transportation Ontario (MTO) on End Result Specification (ERS) reviews, and other bituminous and/or pavement specification implementation plans.

Engage and grow relationships with municipalities in Ontario, their engineers, and improve our partnerships with Good Roads.

Maintain alignment and coordination with ORBA's master strategic plan on Advocacy and Stakeholder Relations.

Everything made from 100% Recycled Rubber

Municipal Paving Inspector Checklist

Good Roads

Prepared by:

2024 Ontario Paving Report
Published April-2024

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GR/OAPC Municipal Paving Awards

2024 Applications
Closing, December 27

in association with

Good Roads



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2025 ORBA/OAPC EVENTS CALENDAR – SAVE-THE-DATE(S)



READY to Build
Ontario's Future
TOGETHER

98th Annual Ontario Road Builders' Association Convention

February 2-4, 2025
Fairmont Royal York, Toronto

PRESENTING SPONSOR 

OAPC @ Good Roads Conference: March 30 – April 2 (TBC)

**OAPC Spring Operations Seminar 2.0: APRIL 10
(Location & Details Coming Soon)**

**OAPC Asphalt Technical Symposium: JUNE 10
(Location & Details Coming Soon)**



ORBA ROAD BUILDING ACADEMY 2025
MARCH 3-7

WORLD-CLASS INSTRUCTION
LEARN FROM THE BEST



**SUBSCRIBE TO ORBA'S
COMMUNICATION
CHANNELS TO STAY
INFORMED**



Ontario Road Builders' Association
(ORBA)
Construction
Mississauga, Ontario
7K followers



INFORMATION HIGHWAY MEDIA KIT



PATHWAYS TO A
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UW – CPATT Graduate Poster Symposium

The Centre for Pavement and Transportation Technology (CPATT) and
The Norman W. McLeod Chair in Sustainable Pavement Engineering
GRADUATE POSTER SYMPOSIUM

SPONSORED BY



Friday, December 6th, 2024, 11:00 AM to 2:00 PM
Location: E2-2351 (CEE Faculty Lounge).



Please register by Monday, Dec. 2nd 2024.

Join our faculty and industry partners for the CPATT Graduate Student Poster Symposium, where graduate students will present their latest research. This event provides an excellent opportunity to network and share insights on advancements in pavement engineering, transportation engineering, and infrastructure materials.

For more information, please contact one of the organizers:

- Prof. Hassan Baaj – CPATT Director
- Prof. Pejoohan Tavassoti – CPATT Associate Director
- Dr. Rob Aurilio – Research Associate

<https://uwaterloo.ca/centre-pavement-transportation-technology/>



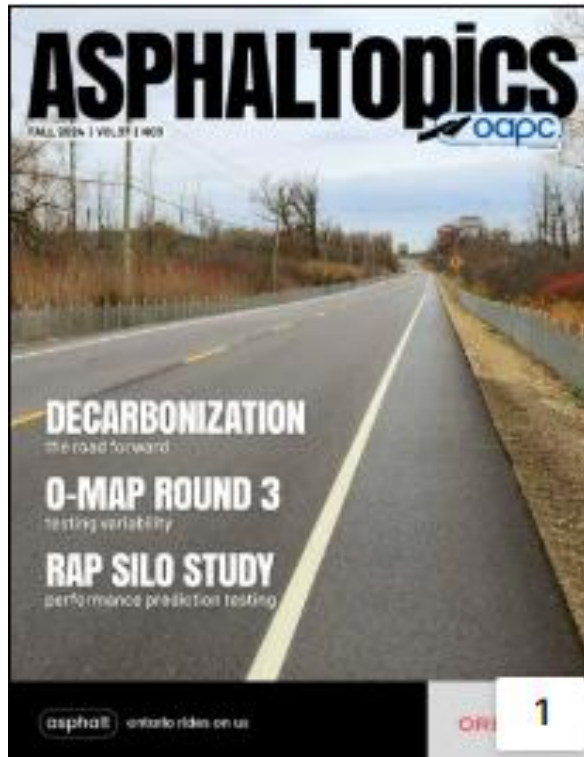
Please join us in two weeks to meet our students and learn more about their research. The CPATT Graduate Student Poster Symposium is back this year! Join our faculty, industry, and public-sector partners as graduate students showcase their latest research. This symposium is a fantastic opportunity to connect, exchange ideas, and explore new developments in pavement engineering, transportation engineering, and infrastructure materials.

This symposium is kindly sponsored by two of our major partners: [Ontario Asphalt Pavement Council](#) and [Concrete Ontario](#).

To register, please follow this link:
<https://lnkd.in/eusHWv6s>.



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