

# MEA MEMBER SERVICES QUARTERLY UPDATE

MUNICIPAL  
ENGINEERS  
ASSOCIATION



## NEWS

### 2022 MEA Conference & AGM

The City of Toronto will be hosting the MEA's 2022 Conference in downtown Toronto at the Chelsea Hotel from November 15-18.

This year's conference theme is:

**Untapped | Re-engineering & Realizing  
Opportunities To Meet Future Demands**

The program includes 37 technical presentations and 5 tours with a total of 15 CPD hours. We've secured more than 40 exhibitors in our tradeshow.

To view the complete conference program and to register, please [CLICK HERE](#)

### Also in the October Issue:

Excess Soils - MEA Survey	p.2
PEO - CPD Requirement	p.3
Active Transportation Manual	p.8
Concrete EPD	p.10
Bridge Building Challenge	p.14
OPSD Watertight Systems	P.17

## Register Now!

Early Bird discount ends on Oct 21

Conference Program: [CLICK HERE](#)

To Register: [CLICK HERE](#)

Hotel Info: [CLICK HERE](#)



**2022 MEA Conference & AGM**  
November 15-18.

## Excess Soils Regulation

### Your Input is Needed

The MEA Excess Soils Monitoring Committee would like to understand more about how Municipalities are incorporating the On-Site and Excess Soil Regulation to their municipal operations and projects.

The survey will help the Committee achieve the following objectives:

- Assess the status quo with respect to the implementation of the On-Site and Excess Soil Regulation
- Assess MEA membership needs when it comes to information and resources on the Regulation

PLEASE TAKE THIS SURVEY TO HELP THE COMMITTEE ACHIVE THEIR GOALS

[CLICK HERE!](#)

## PEO – Continuing Professional Development Mandatory Requirement in Jan 2023



PEO will launch this version of the program in January 2023. Please monitor for the latest details about this. Under the new version of the program, practicing license holders will be marked as “permitted to practice” and must complete the full program every year. Their program-related requirements will be to:

- Complete an annual practicing declaration and PEO’s annual practice evaluation questionnaire,
- Complete PEO’s annual professional practice module, and
- Report to PEO the continuing professional development they completed during the year.

[CLICK HERE](#) for more info

MEA training/webinars /conference would qualify under the program

## Ontario Traffic Manual Book 7 MTO Releases Update to OTM Book 7

The Ministry of Transportation of Ontario (MTO) has released an update to the Ontario Traffic Manual (OTM) Book 7 Temporary Conditions.

For more information about the updated OTM Manual and how to obtain a copy, [CLICK HERE](#).

[CLICK HERE](#) for more details on the MTO provided transition period (to December 22, 2022) in order to allow service providers some time to train/educate staff on the updated Book 7 requirements.





# Climate Change

## Financial Impacts on Infrastructure

The Financial Accountability Office of Ontario (FAO) released its Costing Climate Change Impacts to Public Transportation Infrastructure report, the latest in a series of reports analyzing Climate Impacts on Public Infrastructure (CIPI).

This report examines how changes in extreme rainfall, extreme heat and freeze-thaw cycles will impact the long-term costs of maintaining public transportation infrastructure in a state of good repair. The roads, bridges, large structural culverts and rail tracks owned by Ontario's municipal and provincial governments are valued at \$330 billion (all costs are in 2020 real dollars). Ontario's 444 municipalities own 82 per cent of this portfolio while the remaining 18 per cent is owned by the province.

To read more, [CLICK HERE!](#)





# MTO Fuel Price Index

## Guides Your Contracts Through Inflation

MTO has a fuel price adjustment clause in our contracts to help alleviate the risk of a fluctuating fuel cost on contractors performing work for the ministry. The following is a brief outline of the key points in regards to our fuel price adjustment.

- MTO adjusts the payment to contractors working on Ministry construction and maintenance contracts based on changes to the fuel price index (FPI) to address the risk of fuel price increases/decreases throughout the life of a contract.
- Fuel price adjustment requirements are specified in all Ministry tenders for Design-Bid-Build contracts, in MTO's General Conditions of Contract (OPSS.PROV 100 – GCs).
- The ministry calculates and pays fuel cost adjustments on a monthly basis as a percentage adjustment on the applicable items.
- The inclusion of this clause in MTO contracts eliminates the need for

any change order during construction to account for the fluctuation in fuel pricing in regards to how it may affect tender prices of the bid items.

On MTO projects, there could be an effect on pricing for change order work in some cases. Fuel price fluctuations resulting from change orders tender item quantities are adjusted will be addressed by the clause in the MTO General Conditions of Contract (GCs). In the case where a change order value is being negotiated without the adjustment of tender item quantities, the cost of fuel at the time of negotiations is to be considered in the value of the work to be performed and no additional fuel price adjustment is to be made.



# THANK YOU!

## Diamond Sponsor 2022 MEA Conference & AGM



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**Advanced Drainage Systems designs, manufactures and delivers water management solutions for communities and companies.**

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# CONCRETE ONTARIO



NEW PRODUCTS



STORM & SANITARY



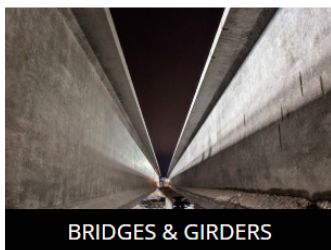
ENGINEERED PRECAST

## DECAST

Leading Infrastructure Solutions



CONCRETE PRESSURE PIPE



BRIDGES & GIRDERS

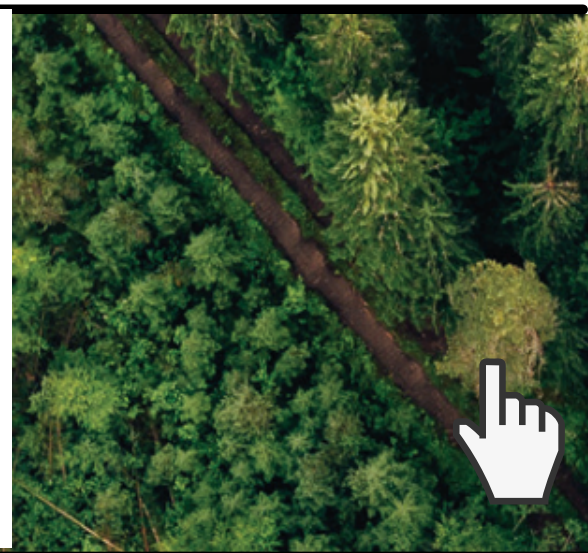


TUNNELING



# nwmo

## NUCLEAR WASTE MANAGEMENT ORGANIZATION



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### HIGH PERFORMANCE

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# CON CAST PIPE



# Active Transportation Implementation Manual

## MEA AT Committee

The MEA Active Transportation Committee was initiated in 2021. The MEA and the Active Transportation Committee are pleased to announce the release of the Active Transportation Implementation Manual: Getting Started with Active Transportation.

The intent of this manual is to provide initial guidance on challenges that come up when implementing active transportation infrastructure and possible mitigation strategies. Although a list of current design guidelines along with appropriate descriptions is included with this manual, it is not the main focus.

To view this manual, [CLICK HERE!](#)



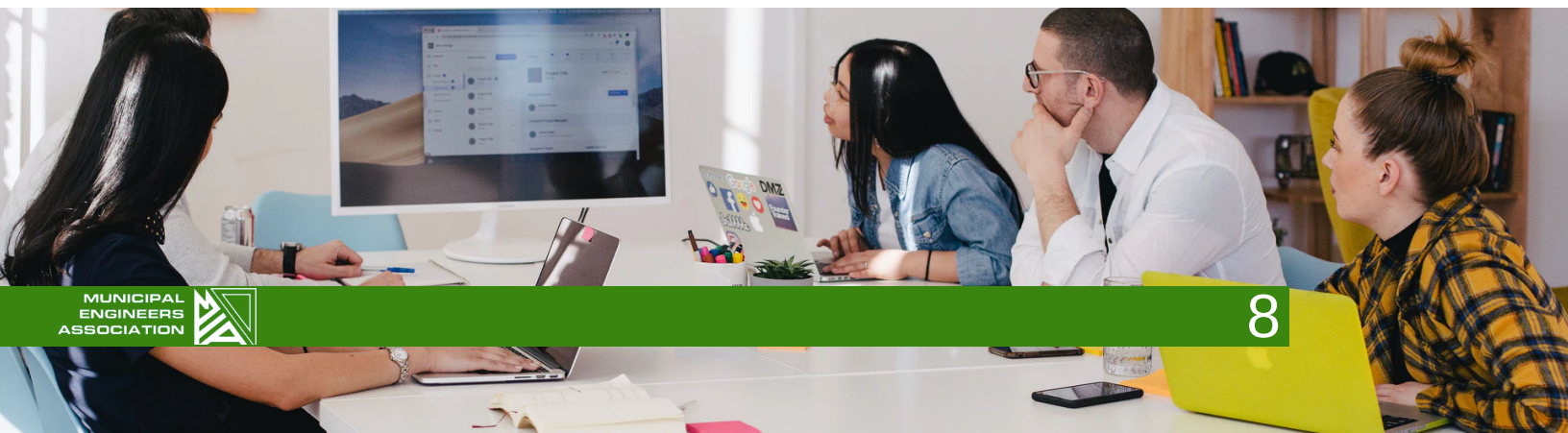
## MEA Committees | Volunteers Needed

The MEA is seeking volunteers for the following committees:

- OPS Structures Committee
- MEA Excess Soils Working Group

To submit an application to join one of our committees,

[CLICK HERE!](#)







## MEA FREE Webinars

### Stay Connected

More free webinars are in the works for 2023. Stay tuned!

The MEA collaborates with partners to deliver informative training webinars on key topics for municipal engineering. To view recordings of past webinars or to stay updated on upcoming ones, [CLICK HERE!](#)

## LiveRoads Analytics

### Free Pilot Program

LiveRoad Analytics is a technology company that combines sensor data, such as connected vehicles, with weather data for improved weather forecasting. They gained the attention of the MEA Smart Cities Technologies Committee.

Currently they are looking for municipalities for a free 6 month – 1 year pilot program

**CLICK HERE!** to learn more about the Pilot Program.

Contact: Harriet Chen ([harriet@liveroadanalytics.com](mailto:harriet@liveroadanalytics.com))

## Environmental Products Declaration

### For Ready Mixed Concrete

As the industry continues to evolve and try to address carbon reductions, more and more tools are becoming available to quantify the impact individual mix designs are having on structures. The primary tool that is currently available is the CRMCA Member Industry-Wide EPD for Canadian Ready-Mixed Concrete report which is valid for 5 years and will be expiring in January 2022.

Products covered by this EPD satisfy general purpose concrete as used in residential, commercial and public works applications in Canada.

The modeled concrete mixes included benchmarks for each strength class.

To access the report and learn how to use it, **[CLICK HERE!](#)**

To view the recorded webinar from Concrete Ontario, **[CLICK HERE!](#)**



## Ontario's First Diverging Diamond Interchange

### Glendale Avenue and the Queen Elizabeth Highway (QEW) in Niagara.

The interchange is installed to improve traffic flow for motorists getting on and off the QEW at Glendale Avenue. It accomplishes this by reconfiguring traffic lanes to allow for direct access to all four directional highway ramps.

The diverging diamond interchange eliminates the need for motorists to make any left-hand turns when entering or exiting the highway by using a series of interconnected crossover lanes controlled by traffic lights and highway signage.



## Climate Risk Institute

### professional development training programs

The Climate Risk Institute has been working over the summer with the learning experts at Royal Roads university to bring you updated training programs. Here are the upcoming courses:

- Climate Change and Infrastructure Risk Assessment – the PIEVC Protocol
- Climate Law for Infrastructure Practitioners
- Climate Smart Policy and Procurement

[CLICK HERE!](#) to read more

# MEA TRAINING & EVENTS

## OPS "101" Online Course Fall 2022 (October 25-26, 2022)



The MEA is offering the OPS-101 training course on Ontario Provincial Standards. The course is designed to help your staff apply OPS to:

- Improve contract preparation and management
- Build efficient and industry standard specifications
- Mitigate financial and legal risks for your Organization

[CLICK HERE](#) for more info

## Introduction to MCEA Workshop Webinar SPRING & FALL 2023 (TBD)

The MEA will be offering the MCEA Workshop in the Spring and Fall of 2023. The workshop will be held virtually through ZOOM platform.

Registered attendees will receive a complimentary one year subscription to the online MCEA Manual.

[CLICK HERE!](#) For more info

## Municipal Infrastructure Training

The MUNICIPAL INFRASTRUCTURE TRAINING program is a series of courses on the design, construction, maintenance, and inspection of a wide range of infrastructure assets.

MIT program formally recognizes the amalgamated training efforts of individuals in a number of categories which are highly valued by municipal infrastructure professionals. Certifications are offered for the following specializations:

- Construction Materials
- Inspection
- Road Design
- Buried Infrastructure
- Generalist

For more information  
[CLICK HERE!](#)

**Municipal  
Infrastructure Training**  
PROGRAM

# MEA TRAINING & EVENTS

REGISTER NOW!!

## 2022 MEA Conference & AGM

Hosted by  
the City of Toronto



NOVEMBER 15 - 18, 2022

TECHNICAL SESSIONS, TOURS,  
TRADESHOW, AND MORE!

Conference Program: [CLICK HERE](#)

To Register: [CLICK HERE](#)

Hotel Info: [CLICK HERE](#)

]The Conference theme is:

**Untapped | Re-engineering & Realizing Opportunities To Meet Future Demands**

For more information about the event, [CLICK HERE!](#)





# ARE YOU UP FOR A CHALLENGE?

## PROVE YOUR SKILLS IN THE **Bridge Building Challenge**

The annual Bridge Building Challenge is held each year during the Conference. Submitted bridges get tested to failure.

### REGISTRATION

Registration in advance is required for participation. please advise at least one week before the event. All entries accepted up to the start of the event.

Email: [Melanie.Knowles@uclg.on.ca](mailto:Melanie.Knowles@uclg.on.ca)

CC: [Amin.Mneina@municipalengineers.on.ca](mailto:Amin.Mneina@municipalengineers.on.ca)

**WHAT:** Bridge Building Challenge

**WHEN:** Nov 17th

**WHERE:** MEA Conference (Chelsea Hotel, Toronto)

**HOW:** [CLICK HERE!](#) for rules

PRIZES  
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# Municipal Class EA

## MCEA Amendment Update

The MEA continues to work with MECP to finalize the MCEA amendment. The MEA was hopeful that the amendment would have been approved by this time ; however, the amendment wording the MECP provided to MEA was not satisfactory. The MEA continues to work with MECP staff and is communicating regularly with the Minister's Office.

Once the amendment is finalized and approved by the Minister, the MEA's MCEA manual will republished and released. The MEA also has a series of webinars ready to provide training and information in regards to all the changes related to the amendment. More information on these webinars will be provided as soon as the amendment is finalized.

## MCEA Process

### MCEA Planning & Design Process Flow Chart

To access a high resolution version of the updated MCEA process flowchart, [CLICK HERE!](#)

This chart will be useful to members as a PIC display panel regarding the MCEA process



# OPS.MUNI Specifications Update

## OPS.PROV.127

MTO has republished the OPS.127 Rates rates as of April 29 2022. The rates contained in OPSS 127 now include an updated calculation formula. Moving forward, OPSS 127 will again be updated annually.

## OPS.MUNI.353 (353.05.01)

Concrete shall be according to OPSS 1350, with a minimum specified 28-Day compressive strength of 32 MPa, Class C-2 Exposure

## **Submission Requirements (351.04.02) & (353.04.02)**

Prior to starting the work, documentation shall be submitted verifying that the contractor's representative of the placing crew shall be on the site and shall have the ACI Flatwork Certification or approved equivalent



### **Municipal Flatworks Certification Course**

Given the significant amount of municipal concrete flatwork that is placed every year, this new certification program concentrates specifically on identifying the proper construction practices associated with Ontario municipal concrete sidewalks, curbs, gutters and pavements. The course is fully recognized in OPSS.MUNI 350, 351 and 353 as of November 2021.

To learn more or to register: [CLICK HERE!](#)



# OPS.MUNI Specifications Update

## OPSD - 1000 Series (Draft)

The OPS Drainage Committee is currently in process of creating new standard drawings for maintenance hole watertight system.

[CLICK HERE](#) to view draft OPS drawings.

If you have feedback regarding the draft OPS drawings for maintenance hole watertight system, please send comments to:

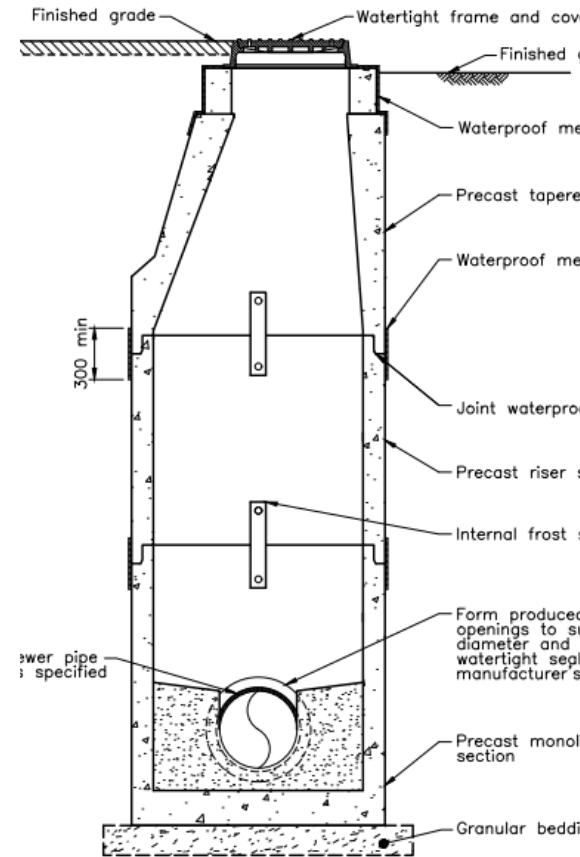
Eva Pulnicki - Chair of OPS Drainage Committee,  
[eva.pulnicki@york.ca](mailto:eva.pulnicki@york.ca)

## OPS.MUNI.909

Precast Prestressed Concrete Girders

The Structures Committee is conducting a full technical review of OPSS.MUNI 909, and would like to request the help of MEA members.

[CLICK HERE!](#) for more info





**IF YOU HAVE IDEAS OR  
CONTENT** OR WOULD LIKE TO ADVERTISE

**CONTACT US @**

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[Amin.mneina@MunicipalEngineers.on.ca](mailto:Amin.mneina@MunicipalEngineers.on.ca)