

Position Statement #7

Ontario-Wide Municipal Concrete Mix Designs

Concrete Ontario members (legally Ready Mixed Concrete Association of Ontario) will no longer issue concrete mix design submissions which are non-compliant to OPSS.MUNI 1350 (Nov. '17) and CSA A23.1-19. This change will take effect for tenders closing on or after February 1, 2020.

The concrete industry fully supports the Performance Alternative as is outlined in CSA A23.1-19 Table 5. Like any other industry, it is important that the concrete industry conducts product research and innovation and is aligned with all current CSA requirements and standards which reflect the latest material performance characteristics and limitations.

Concrete Ontario recognizes that this means a change in some Municipal concrete specifications currently used. On behalf of our entire membership who supply quality concrete, we would like to provide the following tools to Municipalities:

- 1. *Municipal Concrete Technical Specification***
– This document summarizes municipal concrete (Sidewalks, Curbs and Gutters) specifications from CSA A23.1 and OPSS.MUNI 1350.
- 2. *Ontario-Wide Municipal Concrete Mix Design Submission Form*** – This form is designed to standardize municipal concrete mix submissions throughout the province. It addresses all the performance aspects of CSA A23.1 providing a clear description of mix specification, requirements, and improves the uniformity and level of communication between suppliers, contractors and owners.
- 3. *Municipal Outreach Program*** – This program offers informational and educational presentations and seminars to Municipalities on concrete related topics at no cost.
- 4. *Fast Act Program*** – In order to facilitate the move to Ontario-Wide Municipal Concrete Mix Design, Concrete Ontario offers to review and comment on Municipal and/or Owner's Concrete Specifications at no cost.

In order for a concrete supplier to be a member of Concrete Ontario, all of their facilities must continuously meet the ***Approved Quality Program for Ready Mixed Concrete Production Facilities Audit and Check List*** requirements (OPSS.PROV 1350 and OPSS.MUNI 1350). This third-party Engineer certified program is the most stringent in North America and offers the greatest assurance of quality concrete materials, manufacturing, delivery and product performance.

If they wish, Owners may still order concrete to a *Prescriptive Specification* as outlined in CSA A23.1 Table 5. If this option is selected, the Owner shall identify the following:

- 1. The mix proportions, including the quantities of any or all materials (i.e., admixtures, aggregates, cementitious materials, and water) by mass per m³ of concrete**
- 2. The range of air content**
- 3. The slump range**
- 4. Any other requirements**

Concrete Ontario members will be sending along the **Prescriptive Mix Design Acknowledgement Letter** to all Owners not willing to comply with the Ontario-Wide Municipal Concrete Mix Design initiative.

Concrete Ontario is fully committed to this initiative and would be pleased to answer any questions. To access the available tools, please visit:

<https://www.rmcao.org/publications/standards-best-practices/>



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