

**OPSS 912 – Construction Specification for Precast Concrete Culverts  
with Spans Greater Than 3.0 m**

**Date:** April 2026

**Comments received by TCP:**

Comment ID	Organization	TCP Comment	MTO Response
481	Fraser Mitchell of Geoquest Canada	<p><b>OPSS 912.01 – Scope</b> This specification covers the construction requirements of single and adjacent side-by-side (multi-cell) precast concrete <del>box</del> culverts with spans greater than 3.0 m, and associated concrete appurtenances, in open cut, for both new culverts and replacement of existing culverts.</p> <p><b>Comment:</b> We would propose to remove the word "box" culvert and apply the specification also to "arch" (or others) culverts.</p>	OPSS 912 is for box culverts-only. When precast arch culverts are specified, an NSSP is used.
487-1	OCPA – Ontario Concrete Pipe Association	Show your additions and Show your deletions.	A compare document showing changes, was posted on TCP.
487-2	OCPA – Ontario Concrete Pipe Association	<p><b>912.03</b></p> <p><b>Proposed revision:</b></p>	OPSS 912 is for box culverts-only, not 3-sided culverts. Culvert unit means only one element, not the whole culvert. No change will be made to the specification.

		<p>Element means an individual precast concrete <b>box or 3-sided culvert</b> unit.</p> <p><b>Comment:</b> "culvert unit" suggests the full length of box units, versus "box unit" suggests one element of box.</p>	
487-3	OCPA – Ontario Concrete Pipe Association	<p><b>912.03</b></p> <p><b>Proposed revision:</b> Protection Layer means the <b>backfill</b> material placed around the culvert to provide protection from damage.</p> <p><b>Comment:</b> "material" type is unclear</p>	<p>Protection layer, where required, will be shown on the contract drawings, including material to be used.</p>
487-4	OCPA – Ontario Concrete Pipe Association	<p><b>912.04.02</b></p> <p><b>Proposed revision:</b> Inclusion of reference to document CAIS 0000-30 (Template for Pre-Fab Precast Concrete).</p> <p><b>Comment:</b> Various potential reference point locations available, and will leave to MTO to determine most appropriate.</p>	<p>OPSS specifications do not reference CAIS specifications.</p> <p>However, based on this comment, a requirement that the Contractor attend the pre-fabrication meeting has been added to OPSS 1355.</p> <p>A reference and requirement to use CAIS 0000-30 (Template for Pre-Fabrication Meeting for Precast Concrete Elements) already exists in the CAIS 100 (included in all contracts). Please see Section CAGC 2.04.03 Meeting Topics and</p>

		The Prefabrication Template was proposed by OCPA and was developed & published with the assistance of Bo Ni, Senior Concrete Engineer - Standards and Contracts Branch, MTO.	Templates (as part of the Section 2: Project Management) of CAIS 100. It is a mandatory requirement for the Contract Administrator to use the pre-fabrication meeting template.
487-5	OCPA – Ontario Concrete Pipe Association	<p>912.07.04.02</p> <p><b>Proposed revision:</b> All elements shall be provided with preformed bell and spigot ends.</p> <p><b>Comment:</b> "Bell and spigot ends" can be restrictive to products like 3-sided culverts where flush ends are typical.</p> <p>Do we assume this specification applies to 4-sided boxes only?</p>	Yes, OPSS 912 applies to 4-sided boxes only.

**Comments received by email:**

Date	Organization	Email Comment	MTO Response
		No comments received by email.	