
Administration and Inspection Activities for Temporary Concrete Barriers

(As Specified in OPSS 741)

741.01 SCOPE

This CAIS covers the construction administration and inspection requirements for Temporary Concrete Barriers as specified in OPSS 741, July 2024.

741.02 REFERENCES

This CAIS refers to the following standards, specifications, or publications:

Ontario Provincial Standard Specifications, Construction:

OPSS 741 Temporary Concrete Barriers

Construction Administration and Inspection Specifications (CAIS):

CAIS 1350 Concrete - Materials and Production
CAIS 1440 Steel Reinforcement for Concrete
CAIS 1504 Steel Beam Guide Rail
CAIS 1601 Wood, Preservative Treatment, and Shop Fabrication

MTO Forms:

PH-CC-876 Certification of Temporary Concrete Barrier Installations

741.03 DEFINITIONS

For the purpose of this CAIS, the definitions shall be as specified in OPSS 741.

741.04 DESIGN AND SUBMISSION REQUIREMENTS - Not Used

741.05 MATERIALS

741.05.02 Reinforcing Steel Bars

Reinforcing steel bars shall be inspected according to CAIS 1440.

741.05.05 Thrie Beam Guide Rails, Bolts, and Nuts

Thrie beam guide rails, bolts and nuts shall be inspected according to CAIS 1504.

741.05.07 Wooden Block

Wooden blocks shall be inspected according to CAIS 1601.

Inspection Activities:

1	-	Check that temporary concrete barriers are identified as required with a date of manufacture and plant code listed on the current DSM 5.80.25.	50%
2	-	Check that the supplied temporary construction barrier is permitted for the required deflection category for that location and construction stage.	100%
3	-	Check that the temporary concrete, steel or composite barrier meets the applicable acceptance criteria.	25%

741.06 EQUIPMENT - Not Used**741.07 CONSTRUCTION**

Inspection Activities:

1	M	Check that barrier placement, offset and end treatments are according to the Contract Documents.	100%
2	-	Check that the barriers are positively connected according the relevant standard drawing and manufacturer's specification if applicable.	25%
3	-	Check that barriers are placed on a level, paved surface with adequate width of paved surface on the non-traffic side of the barrier as required by the standard drawings for the barrier system.	100%
4	-	Check that construction markers are properly affixed, oriented and spaced.	25%
5	M	Verify transitions between temporary concrete barrier types are done using the three-beam detail and a minimum of 100 m of a particular type of barrier is provided.	100%
7	M	Verify transitions between restrained and non-restrained barrier are according to the applicable details.	100%
8	-	During construction, periodically check for any misaligned or damaged barriers. Check that replacement or repair is carried out as required.	25%
9	M	Check that removal or relocation of temporary construction barrier is carried out as specified in the Contract Documents.	100%

Administrative Activities:

1	M	Check that the Contractor has provided notification in writing of the type of barrier installed a minimum of one week prior to placement.	100%
2	M	Check that the Contractor has submitted manufacturer's specifications and installation instructions for Movable Temporary Concrete Barrier.	100%
3	M	Check that the Contractor has submitted manufacturer's specifications and installation instructions, and working drawings for temporary steel or composite barrier systems.	100%
4	M	Check that the supplied barrier transfer machine is supplied by a supplier of movable temporary concrete barrier listed on the current DSM 5.80.25.	100%
5	M	Check that MTO PH-CC-876 is submitted within 24 hours of initial placement and relocation of TCB units.	100%

741.08 QUALITY ASSURANCE

741.09 MEASUREMENT FOR PAYMENT

Administrative Activities:

1	-	Measurement for payment shall be as specified. Installed barrier lengths may exceed those specified in the Contract Documents as barrier unit lengths are different for different systems and the Contractor may select from multiple systems. PQP adjustments according to GC 8.01.02.03 shall be made where required to account for any discrepancy between specified and installed lengths.	-
---	---	--	---

741.10 BASIS OF PAYMENT

Administrative Activities:

1	-	Basis of payment shall be as specified.	-
---	---	---	---

WARRANT: Always with OPSS 741, Construction Specification for Temporary Concrete Barriers.