
Administration and Inspection Activities for Removal

(As specified in OPSS 510)

510.01 SCOPE

This CAIS covers the construction administration and inspection requirements for Removal as specified in OPSS 510, November 2014.

510.02 REFERENCES

The references listed in OPSS 510 shall apply to this CAIS, in addition to the following standards, specifications, forms, or publications.

Ontario Provincial Standard Specifications, Construction:

OPSS 510 Removal

Construction Administration and Inspection Specifications (CAIS):

CAIS 301	Restoring Unpaved Roadway Surfaces
CAIS 410	Pipe Sewer Installation in Open Cut
CAIS 421	Pipe Culvert Installation in Open Cut
CAIS 422	Precast Reinforced Concrete Box Culverts and Box Sewers in Open Cut
CAIS 501	Compacting
CAIS 1004	Aggregates – Miscellaneous
CAIS 1150	Hot Mix Asphalt
CAIS 1151	Superpave and Stone Mastic Asphalt Mixtures
CAIS 1301	Cementing Materials
CAIS 1302	Water
CAIS 1350	Concrete - Materials and Production

510.03 DEFINITIONS

For the purpose of this CAIS, the definitions shall be as specified in OPSS 510.

510.04 DESIGN AND SUBMISSION REQUIREMENTS

510.04.02 Submission Requirements

510.04.02.01 Digital Road Surface and Design Models

Administrative Activities:

1	M	Receive Digital Road surface model (DRSM) and digital design model (DDM) from the Contractor	-
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510.05 MATERIAL

As specified in CAIS 1301, 1004, 1302, 1350.

510.06 EQUIPMENT – Not Used

510.07 CONSTRUCTION

510.07.01 General

510.07.01.01 Excavation

1	M	Check that the excavation is performed as specified	100%
2	-	When required, Check that there is no disturbance to portions not designated for removal	100%

510.07.01.02 Removal

Inspection Activities:

1	M	Check that the removal is performed as specified	100%
2	-	When required, Check that damaged or disturbed portions are corrected and repaired as specified	100%

510.07.01.03 Salvage

Inspection Activities:

1	-	Check that salvaged material is stored, stockpiled, and maintained as specified	25%
2	-	Check that any salvaged material damaged by the Contractor’s operations or lost by the Contractor prior to re-use or stockpiling is replaced by new material	100%

510.07.01.04 Backfilling, Compacting, and Trimming

As specified in CAIS 501

510.07.02 Bridge Work

510.07.02.02 Removal of Modular Bridges

510.07.02.02.01 Operational Constraints

Administration Activities:

1	-	Receive and Review the qualification information as specified.	-
2	-	Receive modular bridge removal notification as specified.	-
3	-	Notify the Contractor when the launching nose is available as specified.	-

510.07.03 Drainage Work

Inspection Activities:

1	-	Check that the removal is performed as specified	25%
2	-	Check that sediment or deposited material required to be removed does not enter any waterbody	100%

510.07.04 Fence and Noise Barrier Work

Inspection Activities:

1	-	Check that the removal is performed as specified	25%
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510.07.05 Delineators, Traffic Barriers, and Energy Attenuator Work

Inspection Activities:

1	-	Check that the removal is performed as specified	25%
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510.07.06 Pavement Work

Inspection Activities

1	-	Check that the removal is performed as specified	25%
2	-	Check that contamination from granular and other foreign materials does not occur	100%
3	-	Check the depth and width of the section to be removed.	25%

510.07.06.04 Removal of Asphalt Pavement, Partial-Depth

Inspection Activities:

1	-	Prior to removal, Review and conduct field verification of the crossfall/superelevation or maximum depth as specified in the Contract Documents.	25%
2	-	Verify the locations where the design crossfall/superelevation correction is completed by Hot Mix Padding	25%
3	-	Check for correct crossfall and surface texture during milling.	25%
4	-	Check that the milled surface is broomed and inspected, and that areas of asphalt rich dust are removed.	25%

510.07.07 Concrete Work

Inspection Activities:

1	-	Check that the removal is performed as specified	25%
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510.07.08 Right-of-Way Work

Inspection Activities:

1	-	Check that the removal is performed as specified	25%
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510.07.09 Overhead Signs and Sign Support Structure Work

Inspection Activities:

1	-	Check that the removal is performed as specified	25%
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510.07.10 Management of Excess Material

Inspection Activities:

1	-	Check that the removal is performed as specified	25%
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510.08 QUALITY ASSURANCE – Not Used

510.09 MEASUREMENT FOR PAYMENT

Administrative Activities:

1	-	Measurement for payment shall be as specified.	-
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510.10 BASIS OF PAYMENT

Administrative Activities:

1	-	Basis of payment shall be as specified.	-
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WARRANT: Always with OPSS 510, Construction Specification for Administration and Inspection Activities for Removal