

Administration and Inspection Activities for Precast Concrete – Materials and Production

(As Specified in OPSS 1355)

1355.01 SCOPE

This CAIS covers the construction administration and inspection requirements for precast concrete as specified in OPSS 1355, November 2025.

1355.02 REFERENCES

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

Ontario Provincial Standard Specifications, Construction

OPSS 363	Repairing Concrete Pavement and Concrete Base with Precast Concrete Slabs
OPSS 904	Concrete Structures
OPSS 905	Steel Reinforcement for Concrete
OPSS 906	Structural Steel for Bridges
OPSS 909	Prestressed Concrete – Precast Girders
OPSS 910	Stressing Systems for Post Tensioning
OPSS 912	Precast Concrete Culverts with Spans Greater Than 3.0 m
OPSS 916	Precast Concrete Bridge Elements
OPSS 919	Formwork and Falsework
OPSS 929	Abrasive Blast Cleaning – Concrete Construction
OPSS 930	Structure Rehabilitation – Concrete Patches, Refacing, and Overlays
OPSS 932	Crack Repair – Concrete
OPSS 941	Mechanically Stabilized Earth Systems
OPSS 950	Glass Fibre Reinforced Polymer (GFRP) Reinforcement for Concrete

Ontario Provincial Standard Specifications, Material

OPSS 1213	Hot Applied Rubberized Asphalt Waterproofing Membrane
OPSS 1302	Water
OPSS 1306	Burlap
OPSS 1350	Concrete - Materials and Production
OPSS 1355	Precast Concrete – Materials and Production
OPSS 1440	Steel Reinforcement for Concrete
OPSS 1640	Glass Fibre Reinforced Polymer (GFRP) Reinforcement for Concrete

Construction Administration and Inspection Specifications (CAIS):

CAIS 905	Concrete Reinforcement
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CAIS 1002 Aggregates - Concrete
CAIS 1350 Concrete – Materials and Production

MTO Forms:

PH-CC-117 Concrete Temperature Record
PH-CC-322 Concrete Construction Report
PH-CC-340 Field Sample Data Sheet – Concrete Section
PH-CC-440 Engineering Materials Office Sample Transmittal Form
PH-CC-433A Concrete Mix Design Form A
PH-CC-701 Request to Proceed
PH-CC-702 Notice to Proceed
PH-CC-821 Manufacturer's Certificate of Conformance
PH-CC-885 Concrete Referee Testing Request

1355.03 DEFINITIONS

For the purposes of this CAIS, the definitions shall be as specified in OPSS 1355.

1355.04 DESIGN AND SUBMISSION REQUIREMENTS

1355.04.01 Design Requirements

Administrative Activities:

1	-	Check that the design is as specified in OPSS 1355.	-
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1355.04.02 Submission Requirements

1355.04.02.01 Mix Design

Administrative Activities:

1	M	Check that the concrete mix design submission is as specified in OPSS 1350 and CAIS 1350.	-
2	-	If self-consolidating concrete (SCC) is proposed to be used, Notify MTO's Quality Assurance Section for Review of acceptability.	-
3	-	Check that MTO form PH-CC-433-B has been received by the Head of Quality Assurance Section.	-

1355.04.02.02 Certification of Precast Plant

Administrative Activities:

1	M	Receive the precast plant's certificate with the concrete mix design submission. Check that the certificate is as specified in OPSS 1355. For multi-year Contracts, Check annually.	-
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2	-	Check with MTO's Quality Assurance Section, to Determine if copies of the precast plant certification audit reports should be requested. If applicable, Review the reports and Notify MTO's Quality Assurance Section regarding and issues or concerns.	-
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1355.04.02.03 Certification of Ready Mixed Concrete Production Facilities

Administrative Activities:

1	M	Check that the ready-mixed concrete production certification submission is as specified in OPSS 1350 and CAIS 1350.	-
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1355.04.02.04 Temperature Control Plan

Administrative Activities:

1	-	Receive the temperature control plan a minimum of 7 Days prior to commencement of fabrication of the elements. Review the temperature control plan.	-
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1355.04.02.05 Notification of Placement

Administrative Activities:

1	-	Receive written notification of placement and the fabrication schedule a minimum of 14 Days prior to commencement of fabrication of the elements. Review the submissions.	-
2	-	Submit the fabrication schedule to MTO's Quality Assurance Section.	-
3	-	Notify MTO's Quality Assurance Section if the precast facility is in a different region than the contract.	-

1355.04.02.06 Welding

Administrative Activities:

1	-	When resistance welding is used for fabrication of steel reinforcement cages, receive a proposal a minimum of 14 Days prior to commencement of fabrication. Notify MTO's Quality Assurance Section for review and determination of acceptance of the proposal.	-
2	-	Check that submissions for welding are as specified in CAIS 905.	-

1355.05**MATERIALS**

Administrative Activities:

1	-	Check that concrete and all other materials are as specified in OPSS 1350, OPSS 1355 and the Contract Documents.	-
2	-	Check that aggregates for concrete are according to OPSS 1002 in its entirety and OPSS 1355. Check CAIS 1002 for additional administrative and inspection activities for aggregates.	-
3	-	Check whether self-consolidating concrete is proposed to be used and Notify MTO's Quality Assurance Section for acceptance.	-
4	-	If concrete sealers are used, obtain the current Ministry's List of Acceptable Sealers from MTO's Quality Assurance Section and provide to the Contractor. Verify that concrete sealers used are from the Ministry's List of Acceptable Sealers.	-
5	-	Obtain the current Ministry's List of Concrete Patching Materials from MTO's Quality Assurance Section and provide to the Contractor. Verify that proprietary patching materials used are from the Ministry's List of Concrete Patching Materials.	-

1355.06**EQUIPMENT**

Administrative Activities:

1	-	Check that equipment is as specified in OPSS 1355.	-
2	-	Verify that the temperature monitoring equipment and recording system is as specified in OPSS 1355. Provide written notification to the Contractor of whether the temperature monitoring and recording system is acceptable.	-

1355.07**PRODUCTION****1355.07.01****General**

Administrative Activities:

1	-	Receive Contractor's written notification a minimum of 14 Days prior to commencement of fabrication of precast elements.	-
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2	-	Check whether the precast concrete is wet cast or dry cast. Check MTO form PH-CC-433-A to Determine if dry cast concrete is indicated or if the slump is near-zero. Check that dry cast concrete is used only for MSE unless otherwise specified in the Contract Documents. If dry cast concrete is used for MSE, Check that the DSM list for the MSE indicates use of dry cast concrete. For MSE, if the type of concrete used, dry cast or wet cast, is not as specified on the DSM for the MSE, Notify MTO's Quality Assurance Section.	-
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Inspection Activities:

1	-	Check that production is as specified in OPSS 1355.	100%
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1355.07.02 Precast Plant Certification

Administrative Activities:

1	-	Check that the elements are produced at a precast plant certified as specified in OPSS 1355.	-
2	-	If concrete is supplied by a ready-mix concrete plant, Check that the plant is certified as specified in OPSS 1355.	-

1355.07.03 Formwork and Falsework

Inspection Activities:

1	-	Check that formwork and falsework are as specified in OPSS 1355.	100%
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1355.07.04 Prestressed Elements

Inspection Activities:

1	-	Check that hold down devices are as specified in OPSS 1355.	100%
2	-	Check that strands are not spliced.	100%

1355.07.05 Reinforcement, Mechanical Connectors, and Associated Hardware

Inspection Activities:

1	-	Check that placement and welding are as specified in OPSS 1355.	100%
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1355.07.06 Placing of Sheaths and Anchorages for Prestressed Elements

Inspection Activities:

1	-	When elements are to be post-tensioned, Check that sheaths and anchorages are as specified in OPSS 1355.	100%
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1355.07.07 Markings - Embossed

Inspection Activities:

1	-	For culverts, Check that embossed markings are as specified in OPSS 1355.	100%
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1355.07.08 Production of Concrete

Inspection Activities:

1	-	Check that production of concrete is as specified in OPSS 1355. Check CAIS 1350 for applicable administration and inspection requirements.	100%
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1355.07.09 Materials Sampling and Testing – Plastic Concrete

Inspection Activities:

1	-	Check that materials sampling and testing of the plastic concrete is as specified in OPSS 1355. Check CAIS 1350 for applicable administration and inspection requirements.	100%
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1355.07.10 Placing of Concrete

Inspection Activities:

1	-	Check that placing of concrete is as specified in OPSS 1355.	100%
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1355.07.11 Curing

Inspection Activities:

1	-	Check that curing of concrete is as specified in OPSS 1355.	100%
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1355.07.12 Cold Weather Protection Period

Inspection Activities:

1	-	If cold weather conditions are present at the end of the curing period, Check that cold weather protection is as specified in OPSS 1355.	100%
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1355.07.13 Control of Temperature and Temperature Difference

Inspection Activities:

1	-	Check that the requirements for maximum and minimum temperature, maximum allowable temperature difference, and maximum cooling rate, have been met, as specified in OPSS 1355.	100%
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1355.07.14 Exposure

Inspection Activities:

1	-	Check that exposure of elements is as specified in OPSS 1355.	100%
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1355.07.15 Stripping Strength

Inspection Activities:

1	-	Check that stripping strength is as specified in OPSS 1355.	100%
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1355.07.16 Prestressed Elements

Inspection Activities:

1	-	Check that transfer of prestressing force and treatment of ends of prestressed elements is as specified in OPSS 1355.	100%
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1355.07.17 Markings - Stencilled

Inspection Activities:

1	-	Check that elements are marked as specified in OPSS 1355.	100%
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1355.07.18 Surface Finish

Inspection Activities:

1	-	Check that surface finish is as specified in OPSS 1355.	100%
2	-	Randomly select elements and Check that the surface tolerance, when tested with a 3 m long straight edge, are as specified in OPSS 1355. Write a report summarizing the measurements. Notify MTO's Quality Assurance Section if any elements fail to meet the specified requirements.	25%

1355.07.19 Defects, Deficiencies and Repairs

Inspection Activities:

1	-	Inspect all elements for any defects and deficiencies specified in OPSS 1355. Document any defects or deficiencies that the Contractor has not included in the precast report, and Notify the Contractor. Notify MTO's Quality Assurance Section for any defects and deficiencies that were not included in the precast report.	100%
2	-	Carry out a visual inspection of any repairs and write an inspection report detailing observations. Check with MTO's Quality Assurance Section whether any other investigative measures of the repairs or removal of cores for testing is required.	100%

Administrative Activities:

1	-	Receive repair proposal from the Contractor for any repairs, except those meeting the conditions identified in Table 4 of OPSS 1355. Check that the repair proposal is as specified in OPSS 1355.	-
2	-	Notify MTO's Quality Assurance Section to Determine the acceptability of the repair proposal.	-
3	-	For all repair proposals, provide a written response to the Contractor indicating the acceptability of the proposal. If the repair proposal is deemed unacceptable, the precast elements shall be rejected and replaced by the Contractor.	-
4	-	Check that documentation of inspection and repairs and the repair proposal, as specified in OPSS 1355, is submitted in the precast report.	-

1355.07.20 Concrete Cover

Administrative Activities:

1	-	Check that the Contractor's covermeter survey is as specified in OPSS 1355 and is submitted in the precast report. Review the Contractor's covermeter survey to Determine if the concrete cover requirements specified in OPSS 1355 have been met. Notify MTO's Quality Assurance Section of any elements with unacceptable concrete cover.	-
2	-	Receive notification in writing from the Contractor that the elements are ready for the quality assurance concrete covermeter verification.	-

1355.07.21 Dimensional Tolerances

Administrative Activities:

1	-	Check that the Contractor's dimensional measurement frequency is as specified in OPSS 1355, and is submitted in the precast report. Review the Contractor's dimensional measurements to Determine if the dimensional tolerance requirements specified in OPSS 1355 have been met. Notify MTO's Quality Assurance Section of any elements with unacceptable dimensional tolerances.	-
2	-	Receive notification in writing from the Contractor that the elements are ready for the quality assurance dimensional measurement verification.	-

1355.07.22 Material Sampling and Testing

Inspection Activities:

1	-	Check that sampling of aggregates is as specified in OPSS 1002. Additional inspection and administration activities shall be as specified in CAIS 1002.	100%
2	-	Witness sampling of steel reinforcement according to OPSS 905 and CAIS 905.	100%
3	-	Witness sampling of water, admixtures and cementing materials according to OPSS 1350 and CAIS 1350.	100%
4	M	For MSE elements less than 2 m in vertical height, Check that the Contractor supplies one additional element of the most common size for the lot for sampling of cores and sawn samples. Randomly select one element per lot and location within the element for sample removal for acceptance testing of the lot. Ensure the Contractor labels the element used for sampling and record the location where the element is stored until Contract Completion.	100%
5	M	For MSE elements with any dimension greater than 2 m, randomly select one element from each lot for acceptance testing, and randomly select a location for core removal within that element. Check that cores and slabs are removed from portions of the concrete elements to be installed below grade.	100%
6	M	Check that removal of cores for acceptance testing is according to OPSS 1355. Randomly select the element within each lot from which the cores are taken. Direct the Contractor where the cores should be taken within the selected element. Witness or have an Owner's representative witness coring. Provide the Contractor with MTO security tags. Verify that cores are properly labelled, packaged with a fitted security tag as specified in OPSS 1355. Immediately take possession of the cores and deliver them to the designated laboratory.	100%

7	M	If referee testing is invoked by the Contractor, Check that coring for referee testing is done within 3 Business Days as specified in OPSS 1355. Direct the Contractor to take the referee cores from the same element from which the acceptance test specimens were taken. For girders, direct the Contractor to take the referee cores for compressive strength referee testing from the girder which the acceptance cylinders represent. Direct the Contractor where the cores should be taken within the element. Witness or have an Owner's representative witness coring. Provide the Contractor with MTO security tags. Verify that cores are properly labelled, packaged with a fitted security tag as specified in OPSS 1355. Immediately take possession of the cores and deliver them to the designated referee laboratory.	100%
8	M	Check that removal of sawn samples for evaluation of salt scaling resistance for MSE and concrete barrier is according to OPSS 1355. Randomly select the element within each lot from which the sawn samples are taken. Direct the Contractor where the sawn samples should be taken within the selected element. Witness or have an Owner's representative witness removal of the sawn samples. Provide the Contractor with MTO security tags. Verify that sawn samples are properly labelled, packaged with a fitted security tag as specified in OPSS 1355. Immediately take possession of the sawn samples and deliver them to the designated laboratory. Direct the designated laboratory to test two of the four samples for acceptance testing, and to retain the remaining two samples as specified in LS-412. Direct the designated laboratory on which face of the element the salt scaling test shall be conducted as specified in OPSS 1355.	100%
9	M	Check that core holes and sawn sample holes are filled as specified in OPSS 1355.	100%

Administrative Activities:

1	M	Receive written notification from the Contractor; a list of elements within a lot and the element identification numbers within 24 hours of completion of a lot.	-
2	M	Obtain from the Contractor the planned time and site of coring and removal of sawn samples (job site or precast plant) for each lot.	-
3	-	Receive and Check cylinder curing records.	-

1355.07.23 Access for Quality Assurance

Administrative Activities:

1	-	Notify MTO's Quality Assurance Section if access for quality assurance is not as specified.	-
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1355.07.24 Manufacturer's Certificate of Conformance

Administrative Activities:

1	-	Receive, from the Contractor, MTO form PH-CC-821, Manufacturer's Certificate of Conformance for each individual shipment of elements prior to shipping. Review the completed form.	-
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1355.07.25 Manufacturer's Precast Report

Administrative Activities:

1	M	Receive, from the Contractor, the precast report for each shipment of elements at least 5 Business Days prior to shipping from the precast plant.	-
2	M	Check that the precast report meets the requirements specified in OPSS 1355.	-
3	M	Review the precast report and Check that each item in the precast report meets the requirements specified in OPSS 1355.	-

1355.07.26 Storage

Inspection Activities:

1	-	Check that storage of elements is as specified in OPSS 1355.	100%
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1355.07.27 Delivery

Inspection Activities:

1	-	Check that delivery of elements is as specified in OPSS 1355.	100%
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Administrative Activities:

1	M	Receive, from the Contractor, MTO form PH-CC-701, Request to Proceed a minimum of 3 Business Days prior to delivery of each shipment of elements to the Working Area.	-
2	M	Check that the Manufacturer's Certificate of Conformance and the precast report for the shipment of elements has been received, as specified in OPSS 1355. Issue a MTO form PH-CC-702, Notice to Proceed, in a timely manner, to the Contractor for the shipment of elements to the Working Area.	-

1355.07.28 Activities Related to MTO's Centralized Precast Retainer

Administrative Activities:

1	-	Complete Regional Inspection Request for MTO's Centralized Precast Retainer. Submit the form to MTO's Quality Assurance Section.	-
2	M	Provide the following information to MTO's Centralized Precast Retainer	-

		inspector: <ul style="list-style-type: none"> • Precast concrete plant's contact information to coordinate inspection. • Working drawings for elements. • Contract specific specifications. • Any change orders relating to manufacturing process, drawing, etc. • Production schedule of the elements. • Any approved repair proposals. 	
3	-	Upload the inspection report from the MTO's Centralized Precast Retainer to CMS.	-
4	M	Review inspection reports and issue emails from MTO's Centralized Precast Retainer and act on any non-conformances identified. Notify MTO's Quality Assurance Section for any non-conformances.	-

1355.08 QUALITY ASSURANCE

1355.08.01 General

Administrative Activities:

1	-	Check that the test results for lots meet all requirements specified in OPSS 1355. For lots that fail to meet any requirement, Notify MTO's Quality Assurance Section.	-
2	-	Check that aggregates meet the requirements specified in OPSS 1002. Additional inspection and administrative activities for quality assurance shall be as specified in CAIS 1002.	-

1355.08.02 Lot Size

Administrative Activities:

1	-	Determine the limits of each lot prior to commencement of production of precast elements, as specified in OPSS 1355.	-
2	-	If the standard lot size is to be modified based on the notes in Table 8 of OPSS 1355, Check with MTO's Quality Assurance Section.	-
3	-	Confirm in writing to the Contractor the specific elements to be included in each lot prior to commencement of production of that lot.	-

1355.08.03 Acceptance of Compressive Strength of Concrete

Administrative Activities:

1	-	Check that acceptance of compressive strength of concrete is as specified in OPSS 1355.	-
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2	-	Forward acceptance test results to the Contractor as they become available.	-
3	-	If referee testing is invoked by the Contractor, Check that it is invoked within 3 Business Days of receipt of the acceptance test result. If it is not within the specified time frame, Notify the Contractor in writing that the referee request is rejected.	-
4	-	Review the Contractor's request to invoke referee testing (including the original test results to verify they do not meet the specified quality assurance acceptance requirements) within 3 Business Days of receiving the results of that lot.	-
5	-	Complete MTO form PH-CC-885 Concrete Referee Testing Request and submit it to the MTO Quality Assurance Officer (QAO).	-
6	-	If the laboratory cannot complete referee testing in a reasonable timeframe, inform the QAO, who will provide another referee laboratory from the Engineering Materials Office (EMO) referee roster.	-
7	-	Submit a copy of the completed Referee Request Form provided by EMO to the referee laboratory by email.	-
8	-	Contract Administrator or QAO to contact the Area Quality Assurance laboratory and Notify them to ship the referee samples immediately to the referee laboratory.	-
9	-	Check that notification is received for samples arriving at the referee laboratory.	-
10	-	Once the schedule for referee testing has been finalized, provide the Contractor and QAO with the details of the referee laboratory, date and time of testing a minimum of 3 Business Days in advance of the date of referee testing.	-
11	-	Confirm that the Contractor will be witnessing the referee test (maximum of 2 people). The date is non-negotiable by the Contractor unless a change is formally requested by the MTO.	-
12	-	Once testing is complete, receive and Review the test results from the referee laboratory.	-
13	-	For referee testing, calculate the confirmation value and Determine whether the Contractor or the Owner bears the cost of referee testing, as specified in OPSS 1355.	-
14	-	Forward referee test results to the Contractor as they become available.	-
15	-	Submit the referee test results together with a cover letter to the QAO.	-
16	-	Notify MTO's Quality Assurance Section for lots not meeting the specified requirements for compressive strength to confirm whether the lot should be rejected and replaced. Provide written notification to the Contractor, after consultation with MTO, for rejectable lots.	-

1355.08.04

Acceptance of Air Void System in Hardened Concrete

Administrative Activities:

1	-	Check that acceptance of air void system of hardened concrete is as specified in OPSS 1355.	-
2	-	Forward acceptance test results to the Contractor as they become available.	-
3	-	If referee testing is invoked by the Contractor, follow administrative activities number 3 to 15 above for Acceptance of Compressive Strength of Concrete.	-
4	-	For referee testing of AVS, Check that referee testing is carried out on the same half of the core sample that was tested for acceptance.	-
5	-	Notify MTO's Quality Assurance Section for lots not meeting the specified requirements for air void system to confirm whether the lot should be rejected and replaced.	-
6	-	If an unacceptable lot is permitted by the Owner to remain in the work and is in the range for a standard payment reduction, Calculate and apply the payment adjustment for the lot, as specified in OPSS 1355.	-
7	-	Provide written notification to the Contractor after consultation with MTO for rejectable lots.	-

1355.08.05 Acceptance of Rapid Chloride Permeability

Administrative Activities:

1	-	Check that acceptance of rapid chloride permeability is as specified in OPSS 1355.	-
2	-	Forward acceptance test results to the Contractor as they become available.	-
3	-	If referee testing is invoked by the Contractor, follow administrative activities number 3 to 15 above for Acceptance of Compressive Strength of Concrete.	-
4	-	Notify MTO's Quality Assurance Section for lots with rapid chloride permeability greater than 2,500 coulombs to confirm whether the lot should be rejected and replaced.	-
5	-	If an unacceptable lot is permitted by the Owner to remain in the work and is in the range for a standard payment adjustment, Calculate and apply the payment reduction for the lot, as specified in OPSS 1355.	-
6	-	Provide written notification to the Contractor after consultation with MTO for rejectable lots.	-

1355.08.06 Acceptance of Salt Scaling Resistance

Administrative Activities:

1	-	Check that acceptance of salt scaling resistance is as specified in OPSS 1355.	-
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2	-	Forward acceptance test results to the Contractor as they become available.	-
3	-	If referee testing is invoked by the Contractor, follow administrative activities number 3 to 12 above for Acceptance of Compressive Strength of Concrete.	-
4	-	Forward referee test results to the Contractor as they become available.	-
5	-	If referee testing is invoked, Determine whether the Contractor or the Owner bears the cost of referee testing, as specified in OPSS 1355.	-
6	-	Submit the referee test results together with a cover letter to the QAO.	-
7	-	Notify MTO's Quality Assurance Section for lots not meeting the specified requirements for salt scaling resistance to confirm whether the lot should be rejected and replaced.	-
8	-	If an unacceptable lot is permitted by the Owner to remain in the work and is in the range for a standard payment adjustment, Calculate and apply the payment reduction for the lot, as specified in OPSS 1355.	-
9	-	Provide written notification to the Contractor after consultation with MTO for rejectable lots.	-

1355.08.07 Acceptance of Water, Admixtures, and Cementing Materials

Administrative Activities:

1	-	Check that acceptance of water, admixtures and cementing is as specified in OPSS 1355. Additional administrative activities shall be as specified in CAIS 1350.	-
2	-	Notify MTO's Quality Assurance Section for lots not meeting the specified requirements to confirm whether the lot should be rejected and replaced. Provide written notification to the Contractor after consultation with MTO for rejectable lots.	-

1355.08.08 Acceptance of Concrete Temperature

Administrative Activities:

1	-	Check that acceptance of concrete temperature is as specified in OPSS 1355.	-
2	-	For girders, Determine if a bonus is merited.	-
3	-	Notify MTO's Quality Assurance Section for lots not meeting the specified requirements to confirm whether the lot should be rejected and replaced. Provide written notification to the Contractor after consultation with MTO for rejectable lots.	-

1355.08.09 Acceptance of Surface Finish

Administrative Activities:

1	-	Check that acceptance of surface finish is as specified in OPSS 1355.	-
2	-	Notify MTO's Quality Assurance Section for lots not meeting the specified requirements to confirm whether the lot should be rejected and replaced. Provide written notification to the Contractor after consultation with MTO for rejectable lots.	-

Inspection Activities:

1	-	Conduct an inspection using a 3 m straight edge to measure the acceptability of the surface finish as specified in OPSS 1355. Record the results of the inspection in a report. Select a reasonable number of elements within each lot for measurement.	100%
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1355.08.10 Dimensional Verification and Concrete Cover Measurements

Inspection Activities:

1	-	Carry out measurement of dimensions and concrete cover as specified in OPSS 1355. Write a report detailing the results of the measurements.	100%
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Administrative Activities:

1	-	Forward the results of the dimensional verification and concrete cover measurements to the Contractor as they become available.	-
2	-	If an element fails to meet the dimensions and concrete cover within the specified tolerances, hire a consultant, at the Contractor's expense to verify that all the other elements in the lot are within the specified tolerances.	-
3	-	Forward the consultant's report for dimensional verification or concrete cover measurements to the Contractor.	-
4	-	Reject any element that does not meet the specified dimensional tolerances or concrete cover. Notify MTO's Quality Assurance Section for elements not meeting the specified requirements. Provide written notification to the Contractor after consultation with MTO for rejectable elements.	-

1355.08.11 Defects and Deficiencies

Inspection Activities:

1	M	Check all elements for any defects and deficiencies specified in OPSS 1355. Check that all defects and deficiencies are documented and repaired as specified in OPSS 1355 or rejected.	100%
2	M	Conduct a visual inspection and/or other measures as required, including requesting additional coring, covermeter surveys or any other testing deemed	100%

		necessary to assess the effectiveness and acceptability of the repairs.	
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Administrative Activities:

1	-	Check that defects and deficiencies meet the requirements specified in OPSS 1355.	-
2	-	Check that defects and deficiencies repairable by standard methods are repaired according to the Contract Documents.	-
3	-	Check that precast elements with defects and deficiencies causing rejection according to the Contract Documents, are not included in the Work.	-
4	-	Reject any elements or lots that are rejectable as specified in OPSS 1355. Notify MTO's Quality Assurance Section.	-
5	-	Receive and Review any repair proposals. Notify MTO's Quality Assurance Section to Determine the acceptability of the proposal.	-