

Administration and Inspection Activities for Steel Reinforcement for Concrete

(As Specified in OPSS 1440)

1440.01 SCOPE

This CAIS covers the construction administration and inspection requirements for all steel reinforcement used in concrete work as specified in OPSS 1440, ~~April~~ October ~~November~~ -202~~14~~14.

1440.02 REFERENCES

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

Ontario Provincial Standard Specifications, Construction:

OPSS 905 Steel Reinforcement for Concrete

Ontario Provincial Standard Specifications, Material:

OPSS 1440 Steel Reinforcement for Concrete

Construction Administration and Inspection Specifications (CAIS):

CAIS 905 Steel Reinforcement for Concrete

Ontario Ministry of Transportation Publications:

Designated Sources for Materials

Structural Manual

Laboratory Testing Manual

LS-448 Method of Test for Determination of Tensile Properties of Welded Wire Reinforcement

Others:

Reinforcing Steel Institute of Canada -Reinforcing Steel Manual of Standard Practice -2008

1440.03 DEFINITIONS

For the purpose of this CAIS, the definitions shall be as specified in OPSS 1440 and OPSS 905.

1440.04 DESIGN AND SUBMISSION REQUIREMENTS

1440.04.01 Submission Requirements

1440.04.01.01 Mill Certificates for ~~Steel Reinforcement Reinforcing Steel Bars, Stainless Steel Reinforcing Bars, Steel Welded Wire Reinforcement, Splice Bars, and Stainless Steel Splice Bars~~

Administrative Activities:

1	M	Prior to the shipment of steel reinforcement, receive from the Contractor one <u>two</u> electronic copyies of the mill certificates for each lot of <u>cast-in-place concrete applications and precast elements. uncoated steel reinforcement, stainless steel reinforcement, welded wire reinforcement, splice bars and stainless steel splice bars.</u>	-
	M	<u>Check that for any prestressing mill test certificates originating from a mill outside Canada or the United States of America, the Contractor has the information on the mill test certificate verified by testing by a Canadian laboratory.</u>	
	M	Check that the material in the certificates is as specified in the Contract Documents and applicable DSM Lists.	-

1440.04.02 ~~Mill Certificates and~~ Stress -Strain Curves for Prestressing Steel

Administrative Activities:

1	M	Prior to the shipment of prestressing reinforcement, receive from the Contractor two <u>one</u> electronic copyies in PDF format of the mill certificates and stress -strain curves for each lot of prestressing steel.	-
	M	Check that for any prestressing mill test certificates originating from a mill outside Canada or the United States of America, the Contractor has the information on the mill test certificate verified by testing by a Canadian laboratory.	-
	M	Check the material in the certificates is as specified in the Contract Documents.	-

1440.07 Production

Administrative Activities:

1	-	Check that the manufacturer of reinforcing steel and stainless-steel- reinforcement is listed under “Mill” on the Designated Sources for Materials list and as specified in the Contract Documents.	-
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WARRANT: Always with OPSS 1440, Material Specification for Steel Reinforcement for Concrete.