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REVISION INFORMATION SHEET

ONTARIO PROVINCIAL STANDARDS FOR ROADS AND PUBLIC WORKS

VOLUME 2 MUNICIPAL AND PROVINCIAL COMMON MATERIAL SPECIFICATIONS

MANUAL REVISION #52

November 2016

UPDATING ONTARIO PROVINCIAL STANDARDS FOR YOUR USE

Each roads and public works owner (Owner) is responsible for determining implementation dates and directions for use of Ontario Provincial Standards; therefore, manual holders are cautioned about immediately discarding superseded and cancelled standards.

ACCESSING AND OBTAINING ONTARIO PROVINCIAL STANDARDS

The Ontario Provincial Standards for Roads and Public Works (OPS) manuals and the latest published updates for each of the eight OPS manuals are available as follows:

- Available electronically on the OPS/MTO website. Online access to the current, updated, and archived standards; indexes; OPS User Notes; and publication Revision Information Sheets are available free of charge at the site.
(<http://www.rags.mto.gov.on.ca/techpubs/ops.nsf/OPSHomepage>)
- Hard-copy format available from Publications Ontario by telephone at 1-800-668-9938 or online. Updates and OPS manuals are available for a cost-recovery fee.
(www.publications.serviceontario.ca)
- The eight OPS manuals of standards are available on one CD in PDF format. The OPS drawings published in Volumes 3 and 4 are available in AutoCAD format on a separate CD. These CDs are available from Publications Ontario or by telephone at 1-800-668-9938 or online for a cost-recovery fee. The updates are not available on CDs as an update package.
(www.publications.serviceontario.ca)

At the Publications Ontario web page, you can type "Ontario Provincial Standards," "OPS," "OPSS," or "OPSD" in the search box, and all related products for the Ontario Provincial Standards will be listed, click on the item you wish to purchase, add the item to your cart, then follow the instructions to complete your order. If trying to order an OPS product online from Publications Ontario and it is shown as Out of Stock, you can backorder the product by telephone at 1-800-668-9938.

In order to receive the Municipal Engineers Association (MEA) purchase price, MEA members should visit the MEA website (www.municipalengineers.on.ca) for the MEA Publications Ontario order form for hard-copy manuals and CDs.

MTO employees should contact Simon Leung, Account Representative at Publications Ontario, by email (simon.leung@ontario.ca) to set up an account in order to receive the MTO purchase price for technical publications, including the Ontario Provincial Standards.

Links to Publications Ontario and the Ontario Provincial Standards on the MTO Library website are available on the OPS website (www.ops.on.ca). Also on this site under News and Activities are notices for updates and changes in OPS.

Questions should be directed by email to Ontario.Prov.Standards@ontario.ca.

YOU SHOULD REGISTER YOUR OPS MANUALS AND CDs

Users of OPS do not receive notices of OPS updates as they had in the past. Methods of notification from Publications Ontario for the future are being investigated, and you will be informed of them as they become available. In the interim, an email will be sent to OPS users who have registered their OPS manuals and CDs with OPS.

Owners of OPS manuals, who have not yet done so, are requested to register their OPS hard-copy manuals and CDs with OPS by email at Ontario.Prov.Standards@ontario.ca. The registration form and submission instructions are available on the OPS website (www.ops.on.ca), Miscellaneous Info, OPS Forms.

WAITING TO HEAR FROM YOU

If you have a suggestion to revise a standard or you have a standard that works in your ministry, municipality, or area, send it to the Head, OPS Administration, for review and possible inclusion into the Ontario Provincial Standards.

THIS MANUAL IS REVISED AS FOLLOWS:

Index Pages Volume 2

Remove the entire index and replace with the attached revised index.

Standard Specifications Volume 2

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSS	Dated	OPSS	Dated	
1102	Nov 2007	1102	Nov 2016 Notice to Users of OPSS 1102	“MATERIAL SPECIFICATION FOR LIQUID ASPHALT USED IN SPRAYING, SEALING AND PRIMING APPLICATIONS ” Superseded by OPSS.PROV 1102 in OPS Volume 6 and OPSS.MUNI 1102 in OPS Volume 8.
1103	Nov 2012	1103	Nov 2016 Notice to Users of OPSS 1103	“MATERIAL SPECIFICATION FOR EMULSIFIED ASPHALT” Superseded by OPSS.PROV 1103 in OPS Volume 6 and OPSS.MUNI 1103 in OPS Volume 8.
1152	Nov 2007	1152	Nov 2016 Notice to Users of OPSS 1152	“MATERIAL SPECIFICATION FOR SC-800 PATCHING MATERIAL” Superseded by OPSS.PROV 1152 in OPS Volume 6 and OPSS.MUNI 1153 in OPS Volume 8.
1153	Nov 2007	1153	Nov 2016 Notice to Users of OPSS 1153	“MATERIAL SPECIFICATION FOR EMULSIFIED ASPHALT PATCHING MATERIAL” Superseded by OPSS.PROV 1152 in OPS Volume 6 and OPSS.MUNI 1153 in OPS Volume 8.
1202	Nov 2008	1202	Nov 2016 Notice to Users of OPSS 1202	“MATERIAL SPECIFICATION FOR BEARINGS - ELASTOMERIC PLAIN AND STEEL LAMINATED” Superseded by OPSS.PROV 1202 in OPS Volume 6 and OPSS.MUNI 1202 in OPS Volume 8.
1203	Nov 2008	1203	Nov 2016 Notice to Users of OPSS 1203	“MATERIAL SPECIFICATION FOR BEARINGS - ROTATIONAL AND SLIDING SURFACE” Superseded by OPSS.PROV 1203 in OPS Volume 6 and OPSS.MUNI 1203 in OPS Volume 8.

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSS	Dated	OPSS	Dated	
1359	Nov 2006	1359	Nov 2016 Notice to Users of OPSS 1359	“MATERIAL SPECIFICATION FOR UNSHRINKABLE FILL” Superseded by OPSS.PROV 1359 in OPS Volume 6 and OPSS.MUNI 1359 in OPS Volume 8.
1443	Nov 2007			“MATERIAL SPECIFICATION FOR ORGANIC COATINGS FOR REINFORCING STEEL BARS FOR CONCRETE” This specification is Cancelled as material is no longer used.
1504	Nov 2010	1504	Nov 2016 Notice to Users of OPSS 1504	“MATERIAL SPECIFICATION FOR STEEL BEAM GUIDE RAIL” Superseded by OPSS.PROV 1504 in OPS Volume 6 and OPSS.MUNI 1504 in OPS Volume 8.
1505	Nov 2010	1505	Nov 2016 Notice to Users of OPSS 1505	“MATERIAL SPECIFICATION FOR CHANNEL COMPONENTS FOR STEEL BEAM GUIDE RAIL” Superseded by OPSS.PROV 1505 in OPS Volume 6 and OPSS.MUNI 1505 in OPS Volume 8.
2422	Nov 2008	2422	Nov 2016 Notice to Users of OPSS 2422	“MATERIAL SPECIFICATION FOR HEAVY CLASS STEEL AND SECTIONAL STEEL POLES, BASE MOUNTED” Superseded by OPSS.PROV 2422 in OPS Volume 5 and as OPSS.MUNI 2422 in OPS Volume 7.
2434	Nov 2002	2434	Nov 2016 Notice to Users of OPSS 2434	“MATERIAL SPECIFICATION FOR HIGH PRESSURE SODIUM LUMINAIRES FOR UNDERPASS LIGHTING” Superseded by OPSS.PROV 2434 in OPS Volume 5 and as OPSS.MUNI 2434 in OPS Volume 7.
2453	Nov 2011	2453	Nov 2016 Notice to Users of OPSS 2453	“MATERIAL SPECIFICATION FOR SECTIONAL STEEL POLES” Superseded by OPSS.PROV 2453 in OPS Volume 5 and as OPSS.MUNI 2453 in OPS Volume 7.

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSS	Dated	OPSS	Dated	
2471	Nov 2008	2471	Nov 2016 Notice to Users of OPSS 2471	“MATERIAL SPECIFICATION FOR SECTIONAL STEEL HIGH MAST LIGHTING POLES” Superseded by OPSS.PROV 2471 in OPS Volume 5 and as OPSS.MUNI 2471 in OPS Volume 7.
2474	Nov 2003	2474	Nov 2016 Notice to Users of OPSS 2474	“MATERIAL SPECIFICATION FOR ACHORAGE ASSEMBLY - HIGH MAST LIGHTING POLES” Superseded by OPSS.PROV 2474 in OPS Volume 5 and as OPSS.MUNI 2474 in OPS Volume 7.

MANUAL REVISION RECORD

Municipal and Provincial Common

Volume 2 – Material Specifications

This record should remain in the manual at all times. Revisions are numbered sequentially. This sheet should be filled in after each revision has been placed into the manual. It will quickly indicate to users whether the contents of the manual are up-to-date.

REVISION NUMBER	REVISION DATE	ENTERED BY	REVISION NUMBER	DATE	ENTERED BY
32	APRIL 2005	Included in new manuals	58		
33	NOV 2005	Included in new manuals	59		
34	APRIL 2006	Included in new manuals	60		
35	NOV 2006	Included in new manuals	61		
36	APRIL 2007	Included in new manuals	62		
37	NOV 2007	Included in new manuals	63		
38	NOV 2008	Included in new manuals	64		
39	NOV 2009	Included in new manuals	65		
40	APRIL 2010	Included in new manuals	66		
41	NOV 2010	Included in new manuals	67		
42	APRIL 2011	Included in new manuals	68		
43	NOV 2011	Included in new manuals	69		
44	APRIL 2012	Included in new manuals	70		
45	NOV 2012	Included in new manuals	71		
46	APRIL 2013	Included in new manuals	72		
47	NOV 2013	Included in new manuals	73		
48	APRIL 2014	Included in new manuals	74		
49	NOV 2014	Included in new manuals	75		
50	APRIL 2015	Included in new manuals	76		
51	NOV 2015	Included in new manuals	77		
52	NOV 2016	Included in new manuals	78		
53			79		
54			80		
55			81		
56			82		
57			83		



**ONTARIO
PROVINCIAL
STANDARD
SPECIFICATION**

**VOLUME 2 INDEX
MUNICIPAL AND PROVINCIAL COMMON
MATERIAL SPECIFICATIONS**

DATE	SPEC. NO. OPSS	TITLE
DIVISION 10 - AGGREGATES		
NOV 2013	1001	Aggregates - General
APR 2013	1002	Notice to Users of OPSS 1002 (Aggregates - Concrete)
APR 2013	1003	Notice to Users of OPSS 1003 (Aggregates - Hot Mix Asphalt)
NOV 2012	1004	Notice to Users of OPSS 1004 (Aggregates - Miscellaneous)
NOV 2014	1005	Aggregates - Streambed Material
APR 2013	1006	Notice to Users of 1006 (Aggregates - Surface Treatment)
APR 2013	1010	Notice to Users of OPSS 1010 (Aggregates - Base, Subbase, Select Subgrade, and Backfill Material)
DIVISION 11 - BITUMENS		
APR 2007	1101	Notice to Users of OPSS 1101 (Performance Graded Asphalt Cement)
NOV 2016	1102	Notice to Users of OPSS 1102 (Liquid Asphalt)
NOV 2016	1103	Notice to Users of OPSS 1103 (Emulsified Asphalt)
NOV 2010	1150	Hot Mix Asphalt
APR 2007	1151	Notice to Users of OPSS 1151 (Superpave and Stone Mastic Asphalt Mixtures)
NOV 2016	1152	Notice to Users of OPSS 1152 (SC-800 Patching Material)
NOV 2016	1153	Notice to Users of OPSS 1153 (Emulsified Asphalt Patching Material)
DIVISION 12 - SEALS, BEARINGS, WATERSTOPS		
NOV 2016	1202	Notice to Users of OPSS 1202 (Bearings - Elastomeric Plain and Steel Laminated)
NOV 2016	1203	Notice to Users of OPSS 1203 (Bearings - Rotational and Sliding Surface)



**ONTARIO
PROVINCIAL
STANDARD
SPECIFICATION**

**VOLUME 2 INDEX
MUNICIPAL AND PROVINCIAL COMMON
MATERIAL SPECIFICATIONS**

DATE	SPEC. NO. OPSS	TITLE
NOV 2003	1204	Polyvinyl Chloride Waterstops
APR 2015	1205	Notice to Users of OPSS 1205 (Clay Seal)
NOV 2014	1210	Notice to Users of OPSS 1210 (Deck Joint Assemblies)
NOV 2003	1212	Hot Poured Rubberized Asphalt Joint Sealing Compound
MAR 1998	1213	Hot Applied Rubberized Asphalt Waterproofing Membrane
MAR 1998	1215	Protection Board

DIVISION 13 - CEMENT AND CONCRETE

NOV 2007	1301	Cementing Materials
SEPT 1996	1302	Water
NOV 2014	1303	Notice to Users of OPSS 1303 (Admixtures for Concrete)
NOV 2005	1304	Packaged Silica Fume Dry Grout Mixture for Post Tensioning
NOV 2008	1305	Moisture Vapour Barriers
NOV 2011	1306	Burlap
NOV 2003	1308	Joint Filler in Concrete
NOV 2008	1312	Latex Modifiers for Use in Concrete
NOV 2008	1315	White Pigmented Curing Compounds for Concrete
APR 2007	1350	Notice to Users of OPSS 1350 (Concrete - Materials and Production)
NOV 2014	1351	Precast Reinforced Concrete Components for Maintenance Holes, Catch Basins, Ditch Inlets, and Valve Chambers
NOV 1989	1352	Precast Concrete Barriers
NOV 2016	1359	Notice to Users of OPSS 1359 (Unshrinkable Backfill)

DIVISION 14 - METAL

NOV 2012	1430	Gabion Baskets and Mats
NOV 2014	1440	Notice to Users of OPSS 1440 (Steel Reinforcement for Concrete)
NOV 2008	1441	Load Transfer Assemblies



**ONTARIO
PROVINCIAL
STANDARD
SPECIFICATION**

**VOLUME 2 INDEX
MUNICIPAL AND PROVINCIAL COMMON
MATERIAL SPECIFICATIONS**

DATE	SPEC. NO. OPSS	TITLE
NOV 2007	1442	Epoxy Coated Reinforcing Steel Bars for Concrete

DIVISION 15 - SAFETY RELATED

NOV 2010	1503	Cable Guide Rail
NOV 2016	1504	Notice to Users of OPSS 1504 (Steel Beam Guide Rail)
NOV 2016	1505	Notice to Users of OPSS 1505 (Channel Components for Steel Beam Guide Rail)
NOV 2014	1540	Notice to Users of OPSS 1540 (Standard Highway Fence Components)
NOV 2012	1541	Chain-Link Fence Components

DIVISION 16 - WOOD AND PLASTICS

NOV 2014	1601	Notice to Users of OPSS 1601 (Wood, Preservative Treatment, and Shop Fabrication)
NOV 2010	1605	Extruded Expanded Polystyrene Pavement Insulation

DIVISION 17 - COATINGS

NOV 2014	1704	Notice to Users of OPSS 1704 (Paint Coating Systems for Structural Steel)
FEB 1991	1712	Organic Solvent Based Traffic Paint
FEB 1991	1713	Thermoplastic Pavement Marking Materials
FEB 1991	1714	Field Reacted Polymeric Pavement Marking Materials
FEB 1991	1715	Preformed Plastic Pavement Marking Tape
FEB 1991	1716	Water-Borne Traffic Paint
DEC 1983	1750	Traffic Paint ReflectORIZING Glass Beads

DIVISION 18 - PIPES AND ASSOCIATED DRAINAGE ITEMS

NOV 2014	1801	Corrugated Steel Pipe (CSP) Products
NOV 2015	1802	Smooth Walled Steel Pipe
NOV 2014	1820	Notice to Users of OPSS 1820 (Circular and Elliptical Concrete Pipe)
NOV 2015	1821	Precast Reinforced Concrete Box Culverts



**ONTARIO
PROVINCIAL
STANDARD
SPECIFICATION**

**VOLUME 2 INDEX
MUNICIPAL AND PROVINCIAL COMMON
MATERIAL SPECIFICATIONS**

DATE	SPEC. NO. OPSS	TITLE
NOV 2015	1840	Non-Pressure Polyethylene Plastic Pipe Products
NOV 2015	1841	Non-Pressure Polyvinyl Chloride Pipe Products
NOV 2015	1842	Pressure Polyethylene Pipe Products
NOV 2013	1843	Non-Pressure Polypropylene (PP) Plastic Pipe Products
APR 2013	1850	Frames, Grates, Covers, and Gratings
NOV 2007	1853	Rubber Adjustment Units for Maintenance Holes, Catch Basins, and Valve Chambers
NOV 2014	1854	High Density Polyethylene (HDPE) and Expanded Polystyrene (EPS) Adjustment Units for Maintenance Holes, Catch Basins, and Valve Chambers
APR 2012	1860	Geotextiles

DIVISION 19 - ENVIRONMENTAL

CURRENTLY NO SPECIFICATIONS

DIVISION 20 - SIGNS AND SIGN SUPPORTS

NOV 2014	2001	Signs
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DIVISION 21 - CLOTHING, CLOTH AND THE LIKE

CURRENTLY NO SPECIFICATIONS

DIVISION 22 - UNASSIGNED

CURRENTLY NO SPECIFICATIONS

DIVISION 23 - MISCELLANEOUS

CURRENTLY NO SPECIFICATIONS

DIVISION 24 - ELECTRICAL

NOV 2010	2401	Electrical Handholes
NOV 2014	2409	Traffic Signal Cable
NOV 2015	2410	Extra Low-Voltage Cable
NOV 2014	2414	Power Supply Equipment
NOV 2010	2420	Wooden Poles



**ONTARIO
PROVINCIAL
STANDARD
SPECIFICATION**

**VOLUME 2 INDEX
MUNICIPAL AND PROVINCIAL COMMON
MATERIAL SPECIFICATIONS**

DATE	SPEC. NO. OPSS	TITLE
NOV 2012	2421	Spun Concrete Poles
NOV 2016	2422	OPSS 2422 Notice to Users (Heavy Class Steel and Sectional Steel Poles, Base Mounted)
NOV 2010	2423	Steel Poles, Base Mounted
NOV 2007	2426	Steel Truss Brackets
NOV 2007	2428	Aluminum Tapered Elliptical Brackets
NOV 2015	2432	High Pressure Sodium Luminaires for Highway Lighting
NOV 2016	2434	OPSS 2434 Notice to Users (Underpass Luminaires)
NOV 2010	2452	Aluminum Poles, Base Mounted
NOV 2016	2453	Notice to Users of OPSS 2453 (Sectional Steel Poles)
NOV 2009	2460	Traffic Signal Arms, Brackets, Hangers, Fittings and Hardware
NOV 2007	2461	Signal Heads
NOV 2016	2471	OPSS 2471 Notice to Users (Sectional Steel High Mast Lighting Poles)
NOV 2016	2474	OPSS 2474 Notice to Users (Anchorage Assembly - High Mast Lighting Pole)
NOV 2010	2476	Raising and Lowering Equipment for High Mast Lighting Poles
NOV 2015	2479	Floodlight Luminaires Used in High Mast Lighting
NOV 2015	2485	Photoelectric Controllers
DIVISION 25 - CHEMICALS		
APR 2015	2501	Calcium Chloride
NOV 2010	2502	Sodium Chloride Solid and Sodium Chloride Solution
NOV 2011	2503	Magnesium Chloride Solid and Magnesium Chloride Solution
NOV 2015	2510	Tall Oil Pitch Emulsion



**ONTARIO
PROVINCIAL
STANDARD
SPECIFICATION**

**VOLUME 2 INDEX
MUNICIPAL AND PROVINCIAL COMMON
MATERIAL SPECIFICATIONS**



NOTICE TO USERS OF OPSS 1102

MATERIAL SPECIFICATION FOR LIQUID ASPHALT USED IN SPRAYING, SEALING AND PRIMING APPLICATIONS

OPSS 1102 has been removed from this
OPS volume

The provincial version of OPSS 1102 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1102

The municipal version of OPSS 1102 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1102

**USE OF EITHER OF THE SPECIFICATIONS IS AS SPECIFIED
IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 1103

MATERIAL SPECIFICATION FOR EMULSIFIED ASPHALT

OPSS 1103 has been removed from this
OPS volume

The provincial version of OPSS 1103 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1103

The municipal version of OPSS 1103 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1103

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NOTICE TO USERS OF OPSS 1152

MATERIAL SPECIFICATION FOR SC-800 PATCHING MATERIAL

OPSS 1152 has been removed from this
OPS volume

The provincial version of OPSS 1152 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1152

The municipal version of OPSS 1152 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1152

**USE OF EITHER OF THE SPECIFICATIONS IS AS SPECIFIED
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NOTICE TO USERS OF OPSS 1153

MATERIAL SPECIFICATION FOR EMULSIFIED ASPHALT PATCHING MATERIAL

OPSS 1153 has been removed from this
OPS volume

The provincial version of OPSS 1153 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1153

The municipal version of OPSS 1153 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1153

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IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 1202

MATERIAL SPECIFICATION FOR BEARINGS – ELASTOMERIC PLAIN AND STEEL LAMINATED

OPSS 1202 has been removed from this
OPS volume

The provincial version of OPSS 1202 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1202

The municipal version of OPSS 1202 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1202

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IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 1203

MATERIAL SPECIFICATION FOR BEARINGS – ROTATIONAL AND SLIDING SURFACE

OPSS 1203 has been removed from this
OPS volume

The provincial version of OPSS 1203 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1203

The municipal version of OPSS 1203 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1203

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NOTICE TO USERS OF OPSS 1359

MATERIAL SPECIFICATION FOR UNSHRINKABLE FILL

OPSS 1359 has been removed from this
OPS volume

The provincial version of OPSS 1359 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1359

The municipal version of OPSS 1359 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1359

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NOTICE TO USERS OF OPSS 1504

MATERIAL SPECIFICATION FOR STEEL BEAM GUIDE RAIL

OPSS 1504 has been removed from this
OPS volume

The provincial version of OPSS 1504 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1504

The municipal version of OPSS 1504 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1504

**USE OF EITHER OF THE SPECIFICATIONS IS AS SPECIFIED
IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 1505

MATERIAL SPECIFICATION FOR CHANNEL COMPONENTS FOR STEEL BEAM GUIDE RAIL

OPSS 1505 has been removed from this
OPS volume

The provincial version of OPSS 1505 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1505

The municipal version of OPSS 1505 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1505

USE OF EITHER OF THE SPECIFICATIONS IS AS SPECIFIED
IN THE CONTRACT DOCUMENTS



NOTICE TO USERS OF OPSS 2422

MATERIAL SPECIFICATION FOR HEAVY CLASS STEEL AND SECTIONAL STEEL POLES, BASE MOUNTED

OPSS 2422 has been removed from this
OPS volume

The provincial version of OPSS 2422 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2422

The municipal version of OPSS 2422 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2422

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IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 2434

MATERIAL SPECIFICATION FOR HIGH PRESSURE SODIUM LUMINAIRES FOR UNDERPASS LIGHTING

OPSS 2434 has been removed from this
OPS volume

The provincial version of OPSS 2434 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2434

The municipal version of OPSS 2434 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2434

**USE OF EITHER OF THE SPECIFICATIONS IS AS SPECIFIED
IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 2453

MATERIAL SPECIFICATION FOR SECTIONAL STEEL POLES

OPSS 2453 has been removed from this
OPS volume

The provincial version of OPSS 2453 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2453

The municipal version of OPSS 2453 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2453

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IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 2471

MATERIAL SPECIFICATION FOR SECTIONAL STEEL HIGH MAST LIGHTING POLES

OPSS 2471 has been removed from this
OPS volume

The provincial version of OPSS 2471 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2471

The municipal version of OPSS 2471 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2471

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IN THE CONTRACT DOCUMENTS**



NOTICE TO USERS OF OPSS 2474

MATERIAL SPECIFICATION FOR ANCHORAGE ASSEMBLY – HIGH MAST LIGHTING POLE

OPSS 2474 has been removed from this
OPS volume

The provincial version of OPSS 2474 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2474

The municipal version of OPSS 2474 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2474

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