Ontario Provincial Standards for Roads and Public Works

- Volume 2 -

MUNICIPAL AND PROVINCIAL COMMON

MATERIAL SPECIFICATIONS

Ontario

OPS is co-owned by the
Ministry of Transportation, Ontario
and the
Municipal Engineers Association

Municipal
Engineers
Association

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	57	April 2019	Included in new manuals
33	Nov 2005	Included in new manuals	58	Nov 2019	Included in new manuals
34	April 2006	Included in new manuals	59	Apr 2021	Included in new manuals
35	Nov 2006	Included in new manuals	60	Nov 2021	Included in new manuals
36	April 2007	Included in new manuals	61		
37	Nov 2007	Included in new manuals	62		
38	Nov 2008	Included in new manuals	63		
39	Nov 2009	Included in new manuals	64		
40	April 2010	Included in new manuals	65		
41	Nov 2010	Included in new manuals	66		
42	April 2011	Included in new manuals	67		
43	Nov 2011	Included in new manuals	68		
44	April 2012	Included in new manuals	69		
45	Nov 2012	Included in new manuals	70		
46	April 2013	Included in new manuals	71		
47	Nov 2013	Included in new manuals	72		
48	April 2014	Included in new manuals	73		
49	Nov 2014	Included in new manuals	74		
50	April 2015	Included in new manuals	75		
51	Nov 2015	Included in new manuals	76		
52	Nov 2016	Included in new manuals	77		
53	April 2017	Included in new manuals	78		
54	Nov 2017	Included in new manuals	79		
55	April 2018	Included in new manuals	80		
56	Nov 2018	Included in new manuals	81		

DATE	OPSS	TITLE
DIVISION 10 - AGGREGATES		
Nov 2018	1001	Notice to Users of OPSS 1001 (Aggregates - General)
DIVISION 11 - BITUMENS		
Nov 2018	1150	Notice to Users of OPSS 1150 (Hot Mix Asphalt)
DIVISION 12 - SEALS, BEARINGS, WATERSTOPS		
Nov 2021	1204	Notice to Users of OPSS 1204 (Polyvinyl Chloride Waterstops)
Nov 2021	1212	Notice to Users of OPSS 1212 (Hot Poured Rubberized Asphalt Joint Sealing Compound)
Nov 2021	1213	Notice to Users of OPSS 1213 (Hot Applied Rubberized Asphalt Waterproofing Membrane)
Nov 2021	1215	Notice to Users of OPSS 1215 (Protection Board)
DIVISION 13 - CEMENT AND CONCRETE		
Nov 2018	1301	Notice to Users of OPSS 1301 (Cementing Materials)
Nov 2019	1302	Notice to Users of OPSS 1302 (Water)
Nov 2021	1304	Notice to Users of OPSS 1304 (Packaged Silica Fume Dry Grout Mixture for Post Tensioning)
Apr 2019	1305	Notice to Users of OPSS 1305 (Moisture Vapour Barriers)
Apr 2019	1306	Notice to Users of OPSS 1306 (Burlap)
Nov 2019	1308	Notice to Users of OPSS 1308 (Joint Filler in Concrete)
Nov 2021	1312	Notice to Users of OPSS 1312 (Latex Modifiers for Use in Concrete)
Nov 2021	1315	Notice to Users of OPSS 1315 (White Pigmented Curing Compounds for Concrete)
Nov 2019	1351	Notice to Users of OPSS 1351 (Precast Reinforced Concrete Components for Maintenance Holes, Catch Basins, Ditch Inlets, and Valve Chambers)
Nov 2021	1352	Notice to Users of OPSS 1352 (Precast Concrete Barriers)

DATE	OPSS	TITLE
DIVISION 14 - METAL		
Apr 2021	1442	Notice to Users of OPSS 1442 (Epoxy Coated Reinforcing Steel Bars for Concrete)
DIVISION 15 - SAFETY RELATED		
Nov 2021	1503	Notice to Users of OPSS 1503 (Cable Guide Rail)
DIVISION 16 - WOOD AND PLASTICS		
Nov 2018	1605	Notice to Users of OPSS 1605 (Extruded Expanded Polystyrene Pavement Insulation)
DIVISION 17 - COATINGS		
Nov 2021	1712	Notice to Users of OPSS 1712 (Organic Solvent Based Traffic Paint)
Nov 2021	1713	Notice to Users of OPSS 1713 (Thermoplastic Pavement Marking Materials)
Nov 2021	1714	Notice to Users of OPSS 1714 (Field Reacted Polymeric Pavement Marking Materials)
Nov 2021	1715	Notice to Users of OPSS 1715 (Preformed Plastic Pavement Marking Tape)
Nov 2021	1716	Notice to Users of OPSS 1716 (Water-Borne Traffic Paint)
Nov 2021	1750	Notice to Users of OPSS 1750 (Traffic Paint Reflectorizing Glass Beads)
DIVISION 18 - PIPES AND ASSOCIATED DRAINAGE ITEMS		
Apr 2018	1801	Notice to Users of OPSS 1801 (Corrugated Steel Pipe (CSP) Products)
Apr 2018	1802	Notice to Users of OPSS 1802 (Smooth Walled Steel Pipe)
Nov 2021	1821	Notice to Users of OPSS 1821 (Precast Reinforced Concrete Box Culverts)
Nov 2018	1840	Notice to Users of OPSS 1840 (Non-Pressure Polyethylene Plastic Pipe Products)
Nov 2018	1841	Notice to Users of OPSS 1841 (Non-Pressure Polyvinyl Chloride Pipe Products)
Nov 2018	1842	Notice to Users of OPSS 1820 (Pressure Polyethylene Pipe Products)

DATE	OPSS	TITLE
Apr 2018	1843	Notice to Users of OPSS 1843 (Non-Pressure Polypropylene (PP) Plastic Pipe Products)
Apr 2018	1850	Notice to Users of OPSS 1850 (Frames, Grates, Covers, and Gratings)
Nov 2018	1853	Notice to Users of OPSS 1853 (Rubber Adjustment Units for Maintenance Holes, Catch Basins, and Valve Chambers)
Apr 2018	1854	Notice to Users of OPSS 1854 (High Density Polyethylene (HDPE) and Expanded Polystyrene (EPS) Adjustment Units for Maintenance Holes, Catch Basins, and Valve Chambers)
Apr 2018	1860	Notice to Users of OPSS 1860 (Geotextiles)

DIVISION 20 - SIGNS AND SIGN SUPPORTS

Apr 2021	2001	Notice to Users of OPSS 2001 (Signs)

DIVISION 24 - ELECTRICAL

Nov 2018	2401	OPSS 2401 Notice to Users (Electrical Handholes)
Nov 2018	2409	OPSS 2409 Notice to Users (Traffic Signal Cable)
Nov 2019	2414	OPSS 2414 Notice to Users (Power Supply Equipment)
Nov 2018	2420	OPSS 2420 Notice to Users (Wooden Poles)
Nov 2018	2452	Notice to Users of OPSS 2452 (Aluminum Poles, Base Mounted)
Nov 2018	2460	Notice to Users of OPSS 2460 (Traffic Signal Arms, Brackets, Hangers, Fittings and Hardware)
Apr 2019	2476	OPSS 2476 Notice to Users (Raising and Lowering Equipment for High Mast Lighting Poles)

NOTICE TO USERS OF OPSS 1001

MATERIAL SPECIFICATION FOR AGGREGATES - GENERAL

OPSS 1001 has been removed from this OPS volume

The provincial version of OPSS 1001 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1001

The municipal version of OPSS 1001 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1001

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

NOTICE TO USERS OF OPSS 1150

MATERIAL SPECIFICATION FOR HOT MIX ASPHALT

OPSS 1150 has been removed from this OPS volume

The municipal version of OPSS 1150 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1150

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1204

MATERIAL SPECIFICATION FOR POLYVINYL CHLORIDE WATERSTOPS

OPSS 1204 has been removed from this OPS volume

The municipal version of OPSS 1204 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1204

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1212

MATERIAL SPECIFICATION FOR
HOT POURED RUBBERIZED ASPHALT JOINT SEALING COMPOUND

OPSS 1212 has been removed from this
OPS volume

The municipal version of OPSS 1212 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1212

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1213

MATERIAL SPECIFICATION FOR
HOT APPLIED RUBBERIZED ASPHALT WATERPROOFING MEMBRANE

OPSS 1213 has been removed from this
OPS volume

The municipal version of OPSS 1213 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1213

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1215

MATERIAL SPECIFICATION FOR PROTECTION BOARD

OPSS 1215 has been removed from this OPS volume

The municipal version of OPSS 1215 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1215

There is no PROV version.

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NOTICE TO USERS OF OPSS 1301

MATERIAL SPECIFICATION FOR CEMENTING MATERIALS

OPSS 1301 has been removed from this OPS volume

The municipal version of OPSS 1301 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1301

There is no PROV version.

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NOTICE TO USERS OF OPSS 1302

MATERIAL SPECIFICATION FOR WATER

OPSS 1302 has been removed from this
OPS volume

The municipal version of OPSS 1302 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1302

There is no PROV version.

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IN THE CONTRACT DOCUMENTS

NOTICE TO USERS OF OPSS 1304

MATERIAL SPECIFICATION FOR PACKAGED SILICA FUME DRY GROUT MIXTURE FOR POST TENSIONING

OPSS 1304 has been removed from this
OPS volume

The municipal version of OPSS 1304 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1304

There is no PROV version.

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IN THE CONTRACT DOCUMENTS

NOTICE TO USERS OF OPSS 1305

MATERIAL SPECIFICATION FOR MOISTURE VAPOUR BARRIERS

OPSS 1305 has been removed from this
OPS volume

The provincial version of OPSS 1305 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1305

The municipal version of OPSS 1305 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1305

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IN THE CONTRACT DOCUMENTS

NOTICE TO USERS OF OPSS 1306

MATERIAL SPECIFICATION FOR BURLAP

OPSS 1306 has been removed from this
OPS volume

The provincial version of OPSS 1306 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1306

The municipal version of OPSS 1306 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1306

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IN THE CONTRACT DOCUMENTS

NOTICE TO USERS OF OPSS 1308

MATERIAL SPECIFICATION
FOR JOINT FILLER IN CONCRETE

OPSS 1308 has been removed from this
OPS volume

The municipal version of OPSS 1308 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1308

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1312

MATERIAL SPECIFICATION FOR LATEX MODIFIERS FOR USE IN CONCRETE

OPSS 1312 has been removed from this OPS volume

The municipal version of OPSS 1312 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1312

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1315

MATERIAL SPECIFICATION FOR
WHITE PIGMENTED CURING COMPOUNDS FOR CONCRETE

OPSS 1315 has been removed from this
OPS volume

The municipal version of OPSS 1315 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1315

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1351

MATERIAL SPECIFICATION
FOR PRECAST REINFORCED CONCRETE COMPONENTS
FOR MAINTENANCE HOLES, CATCH BASINS,
DITCH INLETS, AND VALVE CHAMBERS

OPSS 1351 has been removed from this
OPS volume

The municipal version of OPSS 1351 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1351

There is no PROV version.

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IN THE CONTRACT DOCUMENTS

NOTICE TO USERS OF OPSS 1352

MATERIAL SPECIFICATION FOR PRECAST CONCRETE BARRIERS

OPSS 1352 has been removed from this OPS volume

The municipal version of OPSS 1352 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1352

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1442

MATERIAL SPECIFICATION FOR
EPOXY COATED REINFORCING STEEL BARS FOR CONCRETE

OPSS 1442 has been removed from this
OPS volume

The municipal version of OPSS 1442 is now in:

OPS Volume 8,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 1442

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1503

MATERIAL SPECIFICATION FOR CABLE GUIDE RAIL

OPSS 1503 has been removed from this OPS volume

The municipal version of OPSS 1503 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1503

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1605

MATERIAL SPECIFICATION
FOR EXTRUDED EXPANDED POLYSTYRENE PAVEMENT INSULATION

OPSS 1605 has been removed from this
OPS volume

The provincial version of OPSS 1605 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1605

The municipal version of OPSS 1605 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1605

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

NOTICE TO USERS OF OPSS 1712

MATERIAL SPECIFICATION FOR ORGANIC SOLVENT BASED TRAFFIC PAINT

OPSS 1712 has been removed from this OPS volume

The municipal version of OPSS 1712 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1712

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1713

MATERIAL SPECIFICATION FOR THERMOPLASTIC PAVEMENT MARKING MATERIALS

OPSS 1713 has been removed from this OPS volume

The municipal version of OPSS 1713 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1713

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1714

MATERIAL SPECIFICATION FOR POLYMERIC PAVEMENT MARKING MATERIALS

OPSS 1714 has been removed from this OPS volume

The municipal version of OPSS 1714 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1714

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1715

MATERIAL SPECIFICATION FOR PREFORMED PLASTIC PAVEMENT MARKING TAPE

OPSS 1715 has been removed from this OPS volume

The municipal version of OPSS 1715 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1715

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1716

MATERIAL SPECIFICATION FOR WATER-BORNE TRAFFIC PAINT

OPSS 1716 has been removed from this OPS volume

The municipal version of OPSS 1716 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1716

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1750

MATERIAL SPECIFICATION FOR TRAFFIC PAINT REFLECTORIZING GLASS BEADS

OPSS 1750 has been removed from this OPS volume

The municipal version of OPSS 1750 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1750

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1801

MATERIAL SPECIFICATION
FOR CORRUGATED STEEL PIPE (CSP) PRODUCTS

OPSS 1801 has been removed from this
OPS volume

The provincial version of OPSS 1801 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1801

The municipal version of OPSS 1801 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1801

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

NOTICE TO USERS OF OPSS 1802

MATERIAL SPECIFICATION FOR SMOOTH WALLED STEEL PIPE

OPSS 1802 has been removed from this OPS volume

The provincial version of OPSS 1802 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1801

The municipal version of OPSS 1802 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1802

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

NOTICE TO USERS OF OPSS 1821

MATERIAL SPECIFICATION FOR PRECAST REINFORCED CONCRETE BOX CULVERTS

OPSS 1821 has been removed from this OPS volume

The municipal version of OPSS 1821 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1821

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1840

MATERIAL SPECIFICATION
FOR NON-PRESSURE POLYETHYLENE PLASTIC PIPE PRODUCTS

OPSS 1840 has been removed from this
OPS volume

The provincial version of OPSS 1840 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1840

The municipal version of OPSS 1840 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1840

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

NOTICE TO USERS OF OPSS 1841

MATERIAL SPECIFICATION
FOR NON-PRESSURE POLYVINYL CHLORIDE PIPE PRODUCTS

OPSS 1841 has been removed from this
OPS volume

The provincial version of OPSS 1841 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1841

The municipal version of OPSS 1841 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1841

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

NOTICE TO USERS OF OPSS 1842

MATERIAL SPECIFICATION
FOR PRESSURE POLYETHYLENE PIPE PRODUCTS

OPSS 1842 has been removed from this
OPS volume

The provincial version of OPSS 1842 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1842

The municipal version of OPSS 1842 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1842

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

NOTICE TO USERS OF OPSS 1843

MATERIAL SPECIFICATION
FOR NON-PRESSURE POLYPROPYLENE (PP) PLASTIC PIPE PRODUCTS

OPSS 1843 has been removed from this
OPS volume

The provincial version of OPSS 1843 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1843

The municipal version of OPSS 1843 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1843

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

NOTICE TO USERS OF OPSS 1850

MATERIAL SPECIFICATION
FOR FRAMES, GRATES, COVERS, AND GRATINGS

OPSS 1850 has been removed from this
OPS volume

The provincial version of OPSS 1850 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1850

The municipal version of OPSS 1850 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1850

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

NOTICE TO USERS OF OPSS 1853

MATERIAL SPECIFICATION
FOR RUBBER ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCH BASINS, AND VALVE CHAMBERS

OPSS 1853 has been removed from this
OPS volume

The municipal version of OPSS 1853 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1853

There is no PROV version.

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

NOTICE TO USERS OF OPSS 1854

MATERIAL SPECIFICATION FOR HIGH DENSITY POLYETHYLENE (HDPE) AND EXPANDED POLYSTYRENE (EPS) ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCHBASINS, AND VALVE CHAMBERS

OPSS 1854 has been removed from this
OPS volume

The provincial version of OPSS 1854 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1854

The municipal version of OPSS 1854 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1854

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

NOTICE TO USERS OF OPSS 1860

MATERIAL SPECIFICATION FOR GEOTEXTILES

OPSS 1860 has been removed from this OPS volume

The provincial version of OPSS 1860 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 1860

The municipal version of OPSS 1860 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 1860

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

NOTICE TO USERS OF OPSS 2001

CONSTRUCTION SPECIFICATION FOR SIGNS

OPSS 2001 has been removed from this OPS volume

The provincial version of OPSS 2001 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 2001

The municipal version of OPSS 2001 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 2001

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

NOTICE TO USERS OF OPSS 2401

MATERIAL SPECIFICATION FOR ELECTRICAL HANDHOLES

OPSS 2401 has been removed from this OPS volume

The provincial version of OPSS 2401 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2401

The municipal version of OPSS 2401 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2401

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

NOTICE TO USERS OF OPSS 2409

MATERIAL SPECIFICATION FOR TRAFFIC SIGNAL CABLE

OPSS 2409 has been removed from this OPS volume

The provincial version of OPSS 2409 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2409

The municipal version of OPSS 2409 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2409

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

NOTICE TO USERS OF OPSS 2414

MATERIAL SPECIFICATION FOR POWER SUPPLY EQUIPMENT

OPSS 2414 has been removed from this OPS volume

The provincial version of OPSS 2414 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2414

The municipal version of OPSS 2414 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2414

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

NOTICE TO USERS OF OPSS 2420

MATERIAL SPECIFICATION FOR WOODEN POLES

OPSS 2420 has been removed from this OPS volume

The provincial version of OPSS 2420 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2420

The municipal version of OPSS 2420 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2420

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

NOTICE TO USERS OF OPSS 2452

MATERIAL SPECIFICATION
FOR ALUMINUM POLES, BASE MOUNTED

OPSS 2452 has been removed from this
OPS volume

The provincial version of OPSS 2452 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2452

The municipal version of OPSS 2452 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2452

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

NOTICE TO USERS OF OPSS 2460

MATERIAL SPECIFICATION FOR TRAFFIC SIGNAL ARMS, BRACKETS, HANGERS, FITTINGS, AND HARDWARE

OPSS 2460 has been removed from this OPS volume

The provincial version of OPSS 2460 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2460

The municipal version of OPSS 2460 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2460

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

NOTICE TO USERS OF OPSS 2476

MATERIAL SPECIFICATION FOR RAISING AND LOWERING EQUIPMENT FOR HIGH MAST LIGHTING POLES

OPSS 2476 has been removed from this OPS volume

The provincial version of OPSS 2476 is now in:

OPS Volume 6,
Provincial-Oriented
Material Specifications
and designated as OPSS.PROV 2476

The municipal version of OPSS 2476 is now in:

OPS Volume 8,
Municipal-Oriented
Material Specifications
and designated as OPSS.MUNI 2476

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

Ontario Provincial Standards Unit
301 St. Paul St., 2nd Floor North
St. Catharines, ON L2R 7R4

REVISION INFORMATION SHEET

ONTARIO PROVINCIAL STANDARDS FOR ROADS AND PUBLIC WORKS

VOLUME 2
MUNICIPAL AND PROVINCIAL COMMON MATERIAL SPECIFICATIONS

MANUAL REVISION #60 **NOVEMBER 2021**

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

Individual OPS standards, revision packages, and complete manuals are available for download, free of charge, in PDF format, from the MTO Technical Publications website.

WAITING TO HEAR FROM YOU

Further news and information about the Ontario Provincial Standards organization can be obtained from the OPS website at www.ops.on.ca.

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

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	
1204	Nov 2003	Notice to Users of OPSS 1204	Nov 2021	**Material Specification For Polyvinyl Chloride Waterstops** • Superseded by OPSS.MUNI 1204 in Volume 8 and there is no PROV.
1212	Nov 2003	Notice to Users of OPSS 1212	Nov 2021	**Material Specification for Hot Poured Rubberized Asphalt Joint Sealing Compound** • Superseded by OPSS.MUNI 1212 in Volume 8 and there is no PROV.
1213	Mar 1998	Notice to Users of OPSS 1213	Nov 2021	**Material Specification for Hot Applied Rubberized Asphalt Waterproofing Membrane** • Superseded by OPSS.MUNI 1213 in Volume 8 and there is no PROV.
1215	Mar 1998	Notice to Users of OPSS 1215	Nov 2021	**Material Specification for Protection Board** • Superseded by OPSS.MUNI 1215 in Volume 8 and there is no PROV.
1304	Nov 2005	Notice to Users of OPSS 1304	Nov 2021	**Material Specification for Packaged Silica Fume Dry Grout Mixture For Post Tensioning** • Superseded by OPSS.MUNI 1304 in Volume 8. There is no PROV.
1312	Nov 2008	Notice to Users of OPSS 1312	Nov 2021	**Material Specification for Latex Modifiers for Use in Concrete** • Superseded by OPSS.MUNI 1312 in Volume 8. There is no PROV.
1315	Nov 2008	Notice to Users of OPSS 1315	Nov 2021	**Material Specification for White Pigmented Curing Compounds for Concrete** • Superseded by OPSS.MUNI 1315 in Volume 8 and there is no PROV.
1352	Nov 1989	Notice to Users of OPSS 1352	Nov 2021	**Material Specification for Precast Concrete Barriers** • Superseded by OPSS.MUNI 1352 in Volume 8 and there is no PROV.

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSS	Dated	OPSS	Dated	
1503	Nov 2010	Notice to Users of OPSS 1503	Nov 2021	**Material Specification for Cable Guide Rail** • Superseded by OPSS.MUNI 1503 in Volume 8 and there is no PROV.
1712	Feb 1991	Notice to Users of OPSS 1712	Nov 2021	**Material Specification for Organic Solvent Based Traffic Paint** • Superseded by OPSS.MUNI 1712 in Volume 8 and there is no PROV.
1713	Feb 1991	Notice to Users of OPSS 1713	Nov 2021	**Material Specification for Thermoplastic Pavement Marking Materials** • Superseded by OPSS.MUNI 1713 in Volume 8 and there is no PROV.
1714	Feb 1991	Notice to Users of OPSS 1714	Nov 2021	**Material Specification for Field Reacted Polymeric Pavement Marking Materials** • Superseded by OPSS.MUNI 1714 in Volume 8 and there is no PROV.
1715	Feb 1991	Notice to Users of OPSS 1715	Nov 2021	**Material Specification for Preformed Plastic Pavement Marking Tape** • Superseded by OPSS.MUNI 1715 in Volume 8 and there is no PROV.
1716	Feb 1991	Notice to Users of OPSS 1716	Nov 2021	**Material Specification for Water-Borne Traffic Paint** • Superseded by OPSS.MUNI 1716 in Volume 8 and there is no PROV.
1750	Dec 1983	Notice to Users of OPSS 1750	Nov 2021	**Material Specification for Traffic Paint Reflectorizing Glass Beads** • Superseded by OPSS.MUNI 1750 in Volume 8 and there is no PROV.
1821	Nov 2015	Notice to Users of OPSS 1821	Nov 2021	**Material Specification For Precast Reinforced Concrete Box Culverts** • Superseded by OPSS.MUNI 1821 in Volume 8 and there is no PROV.