



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

Telephone: 1-844-718-1605
Fax: 905-704-2051

REVISION INFORMATION SHEET

ONTARIO PROVINCIAL STANDARDS FOR ROADS AND PUBLIC WORKS

VOLUME 1 MUNICIPAL AND PROVINCIAL COMMON GENERAL AND CONSTRUCTION SPECIFICATIONS

MANUAL REVISION #98

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for use of Ontario Provincial Standards; therefore, manual holders are cautioned about immediately discarding superseded and cancelled standards.

A NOTE TO DESIGNERS OF MUNICIPAL CONTRACTS REGARDING APPENDICES

There are a number of OPS specifications published with appendices containing supplemental requirements that modify the specification. These specifications contain information written for use in provincial contracts. The appendices contain supplemental requirements that modify the provincial requirements so the specifications can be used in municipal contracts. The specifications are easily identified, as the table of contents for each specification lists the appendix containing the supplemental requirements (e.g., Supplemental Requirements for Using OPSS XXX in Municipal Contracts).

Designers of municipal contracts should review each specification to determine if the supplemental requirements should be invoked in their contracts. To ensure completeness of municipal Contract Documents, designers should invoke the appendices by referencing them in the Contract Documents.

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 1

Please remove the entire index and replace with the attached revised index.

Standard Specifications Volume 1

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSS	Dated	OPSS	Dated	
180	Nov 2011	180	Nov 2016 Notice to Users of OPSS 180	“GENERAL SPECIFICATION FOR THE MANAGEMENT OF EXCESS MATERIALS” Superseded by OPSS.PROV 180 in OPS Volume 5 and OPSS.MUNI 180 in OPS Volume 7.
302	Nov 2007	302	Nov 2016 Notice to Users of OPSS 302	“CONSTRUCTION SPECIFICATION FOR PRIMING GRANULAR BASE” Superseded by OPSS.MUNI 302 in OPS Volume 7.
304	Nov 2006	304	Nov 2016 Notice to Users of OPSS 304	“CONSTRUCTION SPECIFICATION FOR SINGLE AND DOUBLE SURFACE TREATMENT” Superseded by OPSS.PROV 304 in OPS Volume 5 and OPSS.MUNI 304 in OPS Volume 7.
305	Nov 2008	305	Nov 2016 Notice to Users of OPSS 305	“CONSTRUCTION SPECIFICATION FOR GRANULAR SEALING” Superseded by OPSS.PROV 305 in OPS Volume 5 and OPSS.MUNI 305 in OPS Volume 7.
332	Apr 2004	332	Nov 2016 Notice to Users of OPSS 332	“CONSTRUCTION SPECIFICATION FOR HOT IN-PLACE AND HOT IN- PLACE RECYCLING WITH INTEGRAL OVERLAY” Superseded by OPSS.PROV 332 in OPS Volume 5 and OPSS.MUNI 332 in OPS Volume 7.
334	Nov 2007	334	Nov 2016 Notice to Users of OPSS 334	“CONSTRUCTION SPECIFICATION FOR COLD RECYCLED MIX” Superseded by OPSS.MUNI 334 in OPS Volume 7.

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSS	Dated	OPSS	Dated	
353	Nov 2015	353	Nov 2016 Notice to Users of OPSS 353	“CONSTRUCTION SPECIFICATION FOR CONCRETE CURB AND GUTTER SYSTEMS ” Superseded by OPSS.MUNI 353 in OPS Volume 7.
402	Nov 2013	402	Nov 2016 Notice to Users of OPSS 402	“CONSTRUCTION SPECIFICATION FOR EXCAVATING, BACKFILLING AND COMPACTING FOR MAINTENANCE HOLES, CATCH BASINS, DITCH INLETS AND VALVE CHAMBERS” Superseded by OPSS.PROV 402 in OPS Volume 5 and OPSS.MUNI 402 in OPS Volume 7.
403	Nov 2010	403	Nov 2016 Notice to Users of OPSS 403	“CONSTRUCTION SPECIFICATION FOR ROCK EXCAVATION FOR PIPELINES, UTILITIES AND ASSOCIATED STRUCTURES IN OPEN CUT” Superseded by OPSS.PROV 403 in OPS Volume 5 and OPSS.MUNI 403 in OPS Volume 7.
441	Nov 2014	441	Nov 2016 Notice to Users of OPSS 441	“CONSTRUCTION SPECIFICATION FOR WATERMAIN INSTALLATION IN OPEN CUT” Superseded by OPSS.PROV 441 in OPS Volume 5 and OPSS.MUNI 441 in OPS Volume 7.
442	Nov 2010	442	Nov 2016 Notice to Users of OPSS 442	“CONSTRUCTION SPECIFICATION FOR CORROSION PROTECTION OF NEW AND EXISTING WATERMAINS” Superseded by OPSS.MUNI 305 in OPS Volume 7.
517	Nov 2010	517	Nov 2016 Notice to Users of OPSS 517	“CONSTRUCTION SPECIFICATION FOR DEWATERING OF PIPELINE, UTILITY, AND ASSOCIATED STRUCTURE EXCAVATION” Superseded by OPSS.PROV 517 in OPS Volume 5 and OPSS.MUNI 517 in OPS Volume 7.

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSS	Dated	OPSS	Dated	
518	Nov 2011	518	Nov 2016 Notice to Users of OPSS 518	“CONSTRUCTION SPECIFICATION FOR CONTROL OF WATER FROM DEWATERING OPERATIONS” Superseded by OPSS.PROV 518 in OPS Volume 5 and OPSS.MUNI 518 in OPS Volume 7.
610	Nov 2008 (reissued Nov 2010)	610	Nov 2016 Notice to Users of OPSS 610	“CONSTRUCTION SPECIFICATION FOR REMOVAL OF ELECTRICAL EQUIPMENT AND MATERIALS” Superseded by OPSS.PROV 610 in OPS Volume 5 and OPSS.MUNI 610 in OPS Volume 7.
630	Nov 2012	630	Nov 2016 Notice to Users of OPSS 610	“CONSTRUCTION SPECIFICATION FOR INSTALLATION OF SECTIONAL STEEL HIGH MAST LIGHTING POLES” Superseded by OPSS.PROV 630 in OPS Volume 5 and OPSS.MUNI 630 in OPS Volume 7.
706	Nov 2010	706	Nov 2016 Notice to Users of OPSS 706	“CONSTRUCTION SPECIFICATION FOR TEMPORARY TRAFFIC CONTROL DEVICES” Superseded by OPSS.PROV 706 in OPS Volume 5 and as OPSS.MUNI 706 in OPS Volume 7.
909	Apr 2012	909	Nov 2016 Notice to Users of OPSS 909	“CONSTRUCTION SPECIFICATION FOR PRESTRESSED CONCRETE - PRECAST GIRDERS” Superseded by OPSS.PROV 909 in OPS Volume 5 and as OPSS.MUNI 909 in OPS Volume 7.
922	Nov 2009	922	Nov 2016 Notice to Users of OPSS 922	“CONSTRUCTION SPECIFICATION FOR INSTALLATION OF BEARINGS” Superseded by OPSS.PROV 922 in OPS Volume 5 and as OPSS.MUNI 922 in OPS Volume 7.

MANUAL REVISION RECORD

Municipal and Provincial Common

Volume 1 – General and Construction 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
74	APRIL 2005	Included in new manuals	100		
75	NOV 2005	Included in new manuals	101		
76	APRIL 2006	Included in new manuals	102		
77	NOV 2006	Included in new manuals	103		
78	APRIL 2007	Included in new manuals	104		
79	NOV 2007	Included in new manuals	105		
80	APRIL 2008	Included in new manuals	106		
81	NOV 2008	Included in new manuals	107		
82	APRIL 2009	Included in new manuals	108		
83	NOV 2009	Included in new manuals	109		
84	APRIL 2010	Included in new manuals	110		
85	JULY 2010	Included in new manuals	111		
86	NOV 2010	Included in new manuals	112		
87	APRIL 2011	Included in new manuals	113		
88	NOV 2011	Included in new manuals	114		
89	APRIL 2012	Included in new manuals	115		
90	NOV 2012	Included in new manuals	116		
91	APRIL 2013	Included in new manuals	117		
92	NOV 2013	Included in new manuals	118		
93	APRIL 2014	Included in new manuals	119		
94	NOV 2014	Included in new manuals	120		
95	APRIL 2015	Included in new manuals	121		
96	NOV 2015	Included in new manuals	122		
97	APRIL 2016	Included in new manuals	123		
98	NOV 2016	Included in new manuals	124		
99			125		



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DATE	SPEC. NO. OPSS	TITLE
DIVISION 1 - GENERAL SPECIFICATIONS		
APR 2007	100	Notice to Users of OPSS 100 (General Conditions of Contract)
OCT 1992	102	Weighing of Materials
NOV 2012	106	Electrical Work
NOV 2014	120	Notice to Users of OPSS 120 (The Use of Explosives)
APR 2016	127	Schedule of Rental Rates for Construction Equipment, Including Model and Specification Reference
APR 2006	128	Supply of Pre-Qualified Material and Products
NOV 2016	180	Notice to Users of OPSS 180 (Management of Excess Materials)
NOV 2012	182	Notice to Users of OPSS 182 (Environmental Protection for Construction in Waterbodies and on Waterbody Banks - <i>Reissued 2010-11</i>)
DIVISION 2 - GENERAL GRADING		
NOV 2011	201	Clearing, Close Cut Clearing, Grubbing, and Removal of Surface and Piled Boulders
NOV 2013	206	Notice to Users of OPSS 206 (Grading)
NOV 2014	209	Notice to Users of OPSS 209 (Embankments Over Swamps and Compressible Soils)
NOV 2013	212	Notice to Users OPSS 212 (Earth Borrow)
NOV 2014	220	Notice to Users of OPSS 220 (Wick Drain Installation)
DIVISION 3 - PAVEMENT (FLEXIBLE AND RIGID)		
NOV 2009	301	Restoring Unpaved Roadway Surfaces



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DATE	SPEC. NO. OPSS	TITLE
NOV 2016	302	Notice to Users of OPSS 302 (Priming Granular Base)
NOV 2009	303	Double Chip Seal
NOV 2016	304	Notice to Users OPSS 304 (Single and Double Surface Treatment)
NOV 2016	305	Notice to Users of OPSS 305 (Granular Sealing)
APR 2012	307	Stockpiling of Patching Materials and Patching of Asphalt Pavement
NOV 2016	305	Notice to Users of OPSS 305 (Granular Sealing)
NOV 2013	309	Cold Mixed, Cold Laid, Open and Dense Graded Bituminous Mix
NOV 2012	310	Hot Mix Asphalt
NOV 2009	311	Asphalt Sidewalk, Driveway, and Boulevard and for Sidewalk Resurfacing
NOV 2009	312	Asphalt Curb and Gutter Systems
APR 2007	313	Notice to Users of OPSS 313 (Hot Mix Asphalt - End Result)
NOV 2015	314	Notice to Users of OPSS 314 (Untreated Subbase, Base, Surface, Shoulder, Selected Subgrade, And Stockpiling)
NOV 2010	316	Extruded Expanded Polystyrene Frost Heave Treatment
NOV 2014	320	Notice to Users of OPSS 320 (Open Graded Drainage Layer)
NOV 2014	330	Notice to Users of OPSS 330 (In-Place Full Depth Reclamation of Bituminous Pavement and Underlying Granular)
NOV 2015	331	Notice to Users of OPSS 331 (Full Depth Reclamation with Expanded Asphalt Stabilization)



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DATE	SPEC. NO. OPSS	TITLE
NOV 2016	332	Notice to Users of OPSS 332 (Hot In-Place Recycling and Hot In-Place Recycling with Integral Overlay)
NOV 2015	333	Notice to Users of OPSS 333 (Cold In-Place Recycling)
NOV 2016	334	Notice to Users of OPSS 334 (Cold Recycled Mix)
NOV 2015	335	Notice to Users of OPSS 335 (Cold In-Place Recycling with Expanded Asphalt)
NOV 2009	336	Micro-Surfacing (<i>Reissued 2010-11</i>)
NOV 2008	337	Slurry Seal
NOV 2015	341	Routing and Sealing Cracks in Hot Mix Asphalt Pavement
MAR 1998	350	Concrete Pavement and Concrete Base
NOV 2015	351	Concrete Sidewalk
NOV 2016	353	Notice to Users of OPSS 353 (Concrete Curb and Gutter Systems)
NOV 2014	355	Notice to Users of OPSS 355 (Installation of Interlocking Concrete Pavers)
NOV 2010	356	Pervious Concrete Pavement for Low-Volume Traffic Applications
NOV 2015	360	Full Depth Repair of Concrete Pavement or Concrete Base
NOV 2011	361	Rubblizing Concrete Pavement and Concrete Base
NOV 2015	362	Fast Track Full Depth Repairs to Concrete Pavement
NOV 2014	363	Notice to Users of OPSS 363 (Repairing Rigid Pavement with Precast Concrete Slabs)
NOV 2015	364	Partial Depth Repairs in Concrete Pavement



DATE	SPEC. NO. OPSS	TITLE
NOV 2014	365	Notice to Users of OPSS 365 (Cross-Stitching Longitudinal Cracks in Concrete Pavement and Concrete Base)
NOV 2008	369	Sealing or Resealing of Joints and Cracks in Concrete Pavement and Concrete Base
DIVISION 4 - DRAINAGE, WATERMAINS, AND UTILITY		
NOV 2015	401	Notice to Users of OPSS 401 (Trenching, Backfilling, And Compacting)
NOV 2016	402	Notice to Users of OPSS 402 (Excavating, Backfilling, and Compacting for Maintenance Holes, Catch Basins, Ditch Inlets, and Valve Chambers) (Formerly OPSS 516)
NOV 2016	403	Notice to Users of OPSS 403 (Rock Excavation for Pipelines, Utilities, and Associated Structures in Open Cut) (Formerly OPSS 515)
NOV 2010	404	Support Systems (Formerly OPSS 538)
NOV 2008	405	Pipe Subdrains
NOV 2015	407	Maintenance Hole, Catch Basin, Ditch Inlet, and Valve Chamber Installation
NOV 2015	408	Adjusting or Rebuilding Maintenance Holes, Catch Basins, Ditch Inlets, and Valve Chambers
NOV 2013	409	Closed-Circuit Television (CCTV) Inspection of Pipelines
NOV 2015	410	Notice to Users of OPSS 410 (Pipe Sewer Installation In Open Cut)
NOV 2015	411	Cleaning and Flushing of Pipe Sewers, Catch Basins, Maintenance Holes, Ditch Inlets, and Oil-Grit Separators
NOV 2012	412	Sewage Forcemain Installation in Open Cut
NOV 2014	413	Manure Pipeline Installation in Open Cut



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DATE	SPEC. NO. OPSS	TITLE
NOV 2013	415	Pipeline and Utility Installation by Tunnelling
NOV 2013	416	Pipeline and Utility Installation by Jacking and Boring
NOV 2015	421	Notice to Users of OPSS 421 (Pipe Culvert Installation In Open Cut)
NOV 2015	422	Precast Reinforced Concrete Box Culverts in Open Cut
NOV 2016	441	Notice to Users of OPSS 441 (Watermain Installation in Open Cut) (Formerly OPSS 701)
NOV 2016	442	Notice to Users of OPSS 442 (Corrosion Protection of New and Existing Watermains)
NOV 2012	450	Pipeline and Utility Installation in Soil by Horizontal Directional Drilling
NOV 2009	460	Pipeline Rehabilitation by Cured-in-Place Pipe (Reissued 2010-11)
NOV 2014	462	Cement Mortar Lining of Watermains
NOV 2015	463	Pipeline and Conduit Installation by Pipe Bursting
APR 2016	490	Site Preparation for Pipelines, Utilities, and Associated Structures (Formerly OPSS 503)



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NOV 2010	491	Preservation, Protection, and Reconstruction of Existing Facilities (Formerly OPSS 504)
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NOV 2015	493	Temporary Potable Water Supply Services (Reissued 2010-11)
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DIVISION 5 - MISCELLANEOUS

NOV 2014	501	Notice to Users of OPSS 501 (Compacting)
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NOV 2009	503	Site Preparation for Pipelines, Utilities, and Associated Structures (Relocated: Now OPSS 490)
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NOV 2009	504	Preservation, Protection, and Reconstruction of Existing Facilities (Relocated: Now OPSS 491)
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NOV 2013	506	Dust Suppressants
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NOV 2005	507	Site Restoration Following Installation of Pipelines, Utilities, and Associated Structures (Relocated: Now OPSS 492)
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NOV 2014	510	Notice to Users of OPSS 510 (Removal)
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NOV 2013	511	Rip-Rap, Rock Protection, and Granular Sheeting
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NOV 2014	512	Notice to Users of OPSS 512 (Installation of Gabions)
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NOV 2009	514	Trenching, Backfilling, and Compacting (Relocated: Now OPSS 401)
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NOV 2005	515	Rock Excavation for Pipelines, Utilities, and Associated Structures in Open Cut (Relocated: Now OPSS 403)
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NOV 2005	516	Excavating, Backfilling, and Compacting for Maintenance Holes, Catch Basins, Ditch Inlets, and Valve Chambers (Relocated: Now OPSS 402)
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NOV 2010	517	Dewatering of Pipeline, Utility, and Associated Structure Excavation
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NOV 2016	518	Notice to Users of OPSS 518 (Control of Water from Dewatering Operations)
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JUNE 1991	532	Pavement Marking (Relocated: Now OPSS 710)
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NOV 2005	538	Support Systems (Relocated: Now OPSS 404)
NOV 2014	539	Notice to Users of OPSS 539 (Temporary Protection Systems)
APR 2007	540	Standard Highway Fence (Relocated: Now OPSS 771)
NOV 2005	541	Chain-Link Fence (Relocated: Now OPSS 772)
NOV 2006	542	Expanded Metal Anti-Glare Screen (Relocated: Now OPSS 791)
DEC 1990	543	Traffic Control Signing (Relocated: Now OPSS 706)
NOV 2008	552	Steel Beam Guide Rail and Cable Guide Rail (Relocated: Now OPSS 721)
FEB 1991	553	Concrete Barriers (Relocated: Now OPSS 740)
NOV 2008	555	Guide Rail End Treatment - Eccentric Loader Terminal System (Relocated: Now OPSS 730)
NOV 2008	556	Connecticut Impact Attenuation System (Relocated: Now OPSS 753)
NOV 2008	558	Guide Rail End Treatment - Crash-Cushion Attenuating Terminal System (Relocated: Now OPSS 731)
APR 2008	559	Guide Rail End Treatment - Steel Beam Energy Attenuating Terminal Systems (Relocated: Now OPSS 732)
NOV 2007	565	The Protection of Trees (Relocated: Now OPSS 801)
NOV 2007	570	Topsoil (Relocated: Now OPSS 802)
NOV 2007	571	Sodding (Relocated: Now OPSS 803)
NOV 2003	572	Seed and Cover (Relocated: Now OPSS 804)
NOV 2006	577	Temporary Erosion and Sediment Control Measures (Relocated: Now OPSS 805)



DIVISION 6 - ELECTRICAL

NOV 2012	602	Installation of Electrical Chambers
NOV 2015	603	Installation of Ducts
NOV 2013	604	Installation of Cable
NOV 2012	609	Grounding
NOV 2016	610	Notice to Users of OPSS 610 (Removal of Electrical Equipment and Materials) (Reissued 2010-11)
NOV 2013	611	Installation of Underpass Luminaires
NOV 2012	614	Installation of Power Supply Equipment
NOV 2008	615	Erection of Poles (Reissued 2010-11)
NOV 2012	616	Footings and Pads for Electrical Equipment
NOV 2013	617	Installation of Roadway Luminaires
NOV 2014	620	Traffic Signal Equipment and Electrical Traffic Control Devices
NOV 2007	624	Traffic Signal Interconnection Equipment
NOV 2016	630	Notice to Users of OPSS 630 (Installation of Sectional Steel High Mast Lighting Poles)
NOV 2015	631	Concrete Footings and Maintenance Platforms for High Mast Lighting Poles

DIVISION 7 - TRAFFIC SAFETY

NOV 2009	701	Watermain Installation in Open Cut (Relocated: Now OPSS 441)
NOV 2008	702	Cathodic Protection of New and Existing Watermains (Relocated: Now OPSS 442)
NOV 2014	703	Permanent Small Signs and Support Systems
NOV 2014	704	Post Mounted Delineators
NOV 2014	705	Flexible Delineator Posts
NOV 2016	706	Notice to Users of OPSS 706 Traffic Control Signing (Formerly OPSS 543)



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NOV 2015	707	Modified Overhead Signboards
NOV 2010	710	Pavement Marking (Formerly OPSS 532)
NOV 2014	721	Notice to Users of OPSS 721 (Steel Beam Guide Rail and Cable Guide Rail)
APR 2015	723	Notice to Users of OPSS 723 (Energy Attenuators)
NOV 2014	730	Guide Rail End Treatment - Eccentric Loader Terminal System
NOV 2013	731	Guide Rail End Treatment - Crash-Cushion Attenuating Terminal System
NOV 2014	732	Notice to Users of OPSS 732 (Guide Rail End Treatment - Steel Beam Energy Attenuating Terminal Systems)
NOV 2010	740	Concrete Barriers (Formerly OPSS 553)
NOV 2014	741	Temporary Concrete Barriers
NOV 2013	753	Connecticut Impact Attenuation System
NOV 2014	760	Noise Barrier Systems
NOV 2014	771	Notice to Users of OPSS 771 (Standard Highway Fence) (Formerly OPSS 540)
NOV 2012	772	Chain-Link Fence
NOV 2014	791	Expanded Metal Anti-Glare Screen

DIVISION 8 - ENVIRONMENTAL AND LANDSCAPE

NOV 2010	801	The Protection of Trees (Formerly OPSS 565)
NOV 2010	802	Topsoil (Formerly OPSS 570)
NOV 2015	803	Sodding (Formerly OPSS 571)
NOV 2014	804	Notice to Users of OPSS 804 (Seed and Cover)



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NOV 2015	805	Temporary Erosion and Sediment Control Measures (Formerly OPSS 577)
NOV 2013	810	Rootwad Structures for Waterbody Banks
NOV 2013	811	Large Woody Debris for Waterbody Banks
NOV 2013	812	Lunkers
NOV 2014	820	Riffles of Streambeds
NOV 2014	821	Pools in Streambeds
NOV 2014	822	Rocky Ramps on Streambeds
NOV 2014	823	Low Flow Channels
NOV 2014	824	Baffles in a Culvert
Nov 2015	830	Local Seed Bank

DIVISION 9 - STRUCTURAL

NOV 2010	902	Excavating and Backfilling - Structures
APR 2016	903	Notice to Users of OPSS 903 (Deep Foundations)
APR 2010	904	Notice to Users of OPSS 904 (Concrete Structures)
NOV 2014	905	Notice to Users of OPSS 905 (Steel Reinforcement for Concrete)
NOV 2012	906	Structural Steel for Bridges
APR 2011	907	Structural Wood Systems
NOV 2014	908	Notice to Users of OPSS 908 (Metal Traffic Barriers and Metal Railings for Structures)
NOV 2016	909	Notice to Users of OPSS 909 (Prestressed Concrete - Precast Members)
APR 2008	910	Notice to Users of OPSS 910 (Stressing Systems for Post-Tensioning)
NOV 2014	911	Notice to Users of OPSS 911 (Coating Structural Steel Systems)
NOV 2014	913	Embedded Work in Structures for Electrical Systems



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NOV 2014	914	Notice to Users of OPSS 914 (Waterproofing Bridge Decks with Hot Applied Asphalt Membrane)
NOV 2014	915	Notice to Users of OPSS 915 (Sign Support Structures)
MAR 1998	918	Modular Bridge Structures for Temporary Installations
NOV 2011	919	Formwork and Falsework
NOV 2008	920	Notice to Users of OPSS 920 (Deck Joint Assemblies, Preformed Seals, Joint Fillers, Joint Seals, Joint Sealing Compounds, and Waterstops - Structures)
NOV 2016	922	Notice to Users of OPSS 922 (Installation of Bearings)
APR 2012	928	Notice to Users of OPSS 928 (Structure Rehabilitation - Concrete Removal)
APR 2012	929	Abrasive Blast Cleaning - Concrete Construction
NOV 2014	930	Notice to Users of OPSS 930 (Structure Rehabilitation - Concrete Patches and Overlays)
NOV 2013	931	Structure Rehabilitation - Shotcrete
NOV 2009	932	Crack Repair - Concrete
NOV 2009	942	Prestressed Soil and Rock Anchors



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NOTICE TO USERS OF OPSS 180

GENERAL SPECIFICATION FOR THE MANAGEMENT OF EXCESS MATERIALS

OPSS 180 has been removed from this
OPS volume

The provincial version of OPSS 180 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 180

The municipal version of OPSS 180 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 180

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



NOTICE TO USERS OF OPSS 302

CONSTRUCTION SPECIFICATION FOR PRIMING GRANULAR BASE

OPSS 302 has been removed from this
OPS volume

The municipal version of OPSS 302 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 302

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



NOTICE TO USERS OF OPSS 304

CONSTRUCTION SPECIFICATION FOR SINGLE AND DOUBLE SURFACE TREATMENT

OPSS 304 has been removed from this
OPS volume

The provincial version of OPSS 304 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 304

The municipal version of OPSS 304 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 304

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



NOTICE TO USERS OF OPSS 305

CONSTRUCTION SPECIFICATION FOR GRANULAR SEALING

OPSS 305 has been removed from this
OPS volume

The provincial version of OPSS 305 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 305

The municipal version of OPSS 305 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 305

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



NOTICE TO USERS OF OPSS 332

CONSTRUCTION SPECIFICATION FOR HOT IN-PLACE AND HOT IN-PLACE RECYCLING WITH INTEGRAL OVERLAY

OPSS 332 has been removed from this
OPS volume

The provincial version of OPSS 332 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 332

The municipal version of OPSS 332 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 332

USE OF EITHER OF THE SPECIFICATIONS IS AS SPECIFIED
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NOTICE TO USERS OF OPSS 334

CONSTRUCTION SPECIFICATION FOR COLD RECYCLED MIX

OPSS 334 has been removed from this
OPS volume

The municipal version of OPSS 334 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 334

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



NOTICE TO USERS OF OPSS 353

CONSTRUCTION SPECIFICATION FOR CONCRETE CURB AND GUTTER SYSTEMS

OPSS 353 has been removed from this
OPS volume

The municipal version of OPSS 353 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 353

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



NOTICE TO USERS OF OPSS 402

CONSTRUCTION SPECIFICATION FOR EXCAVATING, BACKFILING AND COMPACTING FOR MAINTENANCE HOLES, CATCH BASINS, DITCH INLETS AND VALVE CHAMBERS

OPSS 402 has been removed from this
OPS volume

The provincial version of OPSS 402 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 402

The municipal version of OPSS 402 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 402

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



NOTICE TO USERS OF OPSS 403

CONSTRUCTION SPECIFICATION FOR ROCK EXCAVATION FOR PIPELINES, UTILITIES AND ASSOCIATED STRUCTURES IN OPEN CUT

OPSS 403 has been removed from this
OPS volume

The provincial version of OPSS 403 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 403

The municipal version of OPSS 403 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 403

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



NOTICE TO USERS OF OPSS 441

CONSTRUCTION SPECIFICATION FOR WATERMAIN INSTALLATION IN OPEN CUT

OPSS 441 has been removed from this
OPS volume

The provincial version of OPSS 441 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 441

The municipal version of OPSS 441 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 441

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



NOTICE TO USERS OF OPSS 442

CONSTRUCTION SPECIFICATION FOR CORROSION PROTECTION OF NEW AND EXISTING WATERMAINS

OPSS 442 has been removed from this
OPS volume

The provincial version of OPSS 442 has not been implemented by the
MTO:

The municipal version of OPSS 442 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 442

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



NOTICE TO USERS OF OPSS 517

CONSTRUCTION SPECIFICATION FOR DEWATERING OF PIPELINE, UTILITY, AND ASSOCIATED STRUCTURE EXCAVATION

OPSS 517 has been removed from this
OPS volume

The provincial version of OPSS 517 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 517

The municipal version of OPSS 517 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 517

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



NOTICE TO USERS OF OPSS 518

CONSTRUCTION SPECIFICATION FOR CONTROL OF WATER FROM DEWATERING OPERATIONS

OPSS 518 has been removed from this
OPS volume

The provincial version of OPSS 518 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 518

The municipal version of OPSS 518 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 518

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



NOTICE TO USERS OF OPSS 610

CONSTRUCTION SPECIFICATION FOR REMOVAL OF ELECTRICAL EQUIPMENT AND MATERIALS

OPSS 610 has been removed from this
OPS volume

The provincial version of OPSS 610 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 610

The municipal version of OPSS 610 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 610

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



NOTICE TO USERS OF OPSS 630

CONSTRUCTION SPECIFICATION FOR INSTALLATION OF SECTIONAL STEEL HIGH MAST LIGHTING POLES

OPSS 630 has been removed from this
OPS volume

The provincial version of OPSS 630 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 630

The municipal version of OPSS 630 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 630

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



NOTICE TO USERS OF OPSS 706

CONSTRUCTION SPECIFICATION FOR TEMPORARY TRAFFIC CONTROL DEVICES

OPSS 706 has been removed from this
OPS volume

The provincial version of OPSS 706 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 706

The municipal version of OPSS 706 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 706

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IN THE CONTRACT DOCUMENTS



NOTICE TO USERS OF OPSS 909

CONSTRUCTION SPECIFICATION FOR PRESTRESSED CONCRETE – PRECAST GIRDERS

OPSS 909 has been removed from this
OPS volume

The provincial version of OPSS 909 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 909

The municipal version of OPSS 909 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 909

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



NOTICE TO USERS OF OPSS 922

CONSTRUCTION SPECIFICATION FOR INSTALLATION OF BEARINGS

OPSS 922 has been removed from this
OPS volume

The provincial version of OPSS 922 is now in:

OPS Volume 5,
Provincial-Oriented
General and Construction Specifications
and designated as OPSS.PROV 922

The municipal version of OPSS 922 is now in:

OPS Volume 7,
Municipal-Oriented
General and Construction Specifications
and designated as OPSS.MUNI 922

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