



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

REVISION INFORMATION SHEET

ONTARIO PROVINCIAL STANDARDS FOR ROADS AND PUBLIC WORKS

VOLUME 4 MUNICIPAL AND PROVINCIAL COMMON DRAWINGS FOR ELECTRICAL WORK

MANUAL REVISION #36

NOVEMBER 2017

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for use of Ontario Provincial Standards; therefore, manual holders are cautioned about immediately discarding superseded and cancelled standards.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>)
- The eight OPS manuals of standards are also available for free as well in a single PDF format on the website.

A link to the Ontario Provincial Standards on the MTO Library website is 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

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 4

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

Standard Drawings Volume 4

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSD	Revision	OPSD	Revision	
2112.01	2	2112.010	0	“ELECTRICAL HANDHOLE, PRECAST CONCRETE WITH COVER, 300mm DIAMETER” Drawing renumbered to OPSD 2112.010.
2112.02	2	2112.020	0	“ELECTRICAL HANDHOLE, PRECAST CONCRETE WITH COVER, 460mm DIAMETER” Drawing renumbered to OPSD 2112.020.
2112.030	0	2112.030	1	“ELECTRICAL HANDHOLE, PRECAST CONCRETE, 675mm DIAMETER” Standard Reaffirmed.
2112.040	0	2112.040	1	“ELECTRICAL HANDHOLE, PRECAST CONCRETE, 600 x 600mm” Standard Reaffirmed.
2112.05	1	2112.050	0	“ELECTRICAL HANDHOLE, PRECAST CONCRETE WITH COVER, 300 x 500mm” Drawing renumbered to OPSD 2112.050.
2113.010	0	2113.010	1	“ELECTRICAL HANDHOLE, NON AND SEMI-CONCRETE, GENERAL REQUIREMENTS” Standard Reaffirmed.
2117.01	2	2117.010	0	“ELECTRICAL MAINTENANCE HOLES, GENERAL INSTALLATION REQUIREMENTS” See Summary of Revisions.
2117.02	3	2117.020	0	“ELECTRICAL HANDHOLES, GENERAL INSTALLATION REQUIREMENTS” See Summary of Revisions.

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSD	Revision	OPSD	Revision	
2118.010	0	2118.010	1	“ELECTRICAL CHAMBER INSTALLATION IN MEDIAN” Standard Reaffirmed.
2118.020	0	2118.020	1	“ELECTRICAL CHAMBER INSTALLATION IN SLOPE” Standard Reaffirmed.
2123.03	2	2123.030	0	“ELECTRICAL HANDHOLES, ENTRY OF DIRECT BURIED AND ENCASED DUCTS” Drawing renumbered to OPSD 2123.030.
2240.01	2	2240.010	0	“WOODEN POLE WITH ELLIPTICAL BRACKET, OVERHEAD AND UNDERGROUND CIRCUITS” See Summary of Revisions.
2245.010	2	2245.010	0	“INSTALLATION OF AERIAL CABLE SYSTEMS” See Summary of Revisions.
2245.020	1	2245.020	2	“MINIMUM VERTICAL CLEARANCES FOR AERIAL CABLE SYSTEMS” See Summary of Revisions.
2420.01	4	2420.010	0	“ALUMINUM TAPERED ELLIPTICAL BRACKET” See Summary of Revisions.
2500.010	1	2500.010	2	“600mm SIGNAL ARM AND SIGNAL HEAD” Standard Reaffirmed.
2500.020	1	2500.020	2	“600mm SIGNAL ARM ATTACHMENT TO POLES” Standard Reaffirmed.
2501.01	2	2501.010	0	“SINGLE MEMBER ARM AND SIGNAL HEAD” Standard Reaffirmed.

Superseded/Cancelled (Remove)		Revised/New (Insert)		Remarks
OPSD	Revision	OPSD	Revision	
2501.02	2	2501.020	0	“ALUMINUM SINGLE MEMBER ARM ATTACHMENT DETAILS” Standard Reaffirmed.
2502.010	0	2502.010	1	“TRAFFIC SIGNAL, ADJUSTABLE MID-SECTION HANGER” Standard Reaffirmed.
2502.011	0	2502.011	1	“TRAFFIC SIGNAL, DUAL-END HANGER” Standard Reaffirmed.
2522.010	0	2522.010	1	“TRAFFIC SIGNAL, CUSHION HANGER” Standard Reaffirmed.
2528.01	2	2528.010	0	“TRAFFIC SIGNAL EQUIPMENT, POLE WIRING DIAGRAM” Standard Reaffirmed.

SUMMARY OF REVISIONS TO OPSD 2117.010

ELECTRICAL MAINTENANCE HOLES, GENERAL INSTALLATION REQUIREMENTS

- Drawing renumbered to OPSD 2117.010.
- Frame and cover label revised.
- New Notes 4 and 5 added.

SUMMARY OF REVISIONS TO OPSD 2117.020

ELECTRICAL HANDHOLES, GENERAL INSTALLATION REQUIREMENTS

- Drawing renumbered to OPSD 2117.020.
- Ground lug and stranded ground wire attached to handhole cover deleted.
- Notes 3 and 6 revised.

SUMMARY OF REVISIONS TO OPSD 2240.010

WOODEN POLE WITH ELLIPTICAL BRACKET, OVERHEAD AND UNDERGROUND CIRCUITS

- Drawing renumbered to OPSD 2240.010.
- Overhead Circuit and Underground Circuit views, distance from top to pole to through bolt revised to 300 mm min.
- Material item 3, 10A fuse added to insulating boots.
- New Note 1 added.

SUMMARY OF REVISIONS TO OPSD 2245.010

INSTALLATION OF AERIAL CABLE SYSTEMS

- Drawing renumbered to OPSD 2245.010.
- Notes 3 and 4, CSA C22.3 No. 1 updated.
- New Note 6 added.

SUMMARY OF REVISIONS TO OPSD 2245.020

MINIMUM VERTICAL CLEARANCES FOR AERIAL CABLE SYSTEMS

- Note A, CSA C22.3 No. 1 updated.

SUMMARY OF REVISIONS TO OPSD 2420.010

ALUMINUM TAPERED ELLIPTICAL BRACKET

- Drawing renumbered to OPSD 2420.010.
- Title, bracket lengths deleted.
- Table, 3.0m brackets added.