



Ontario Provincial Standards Course Update



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MEA/MTO Objectives

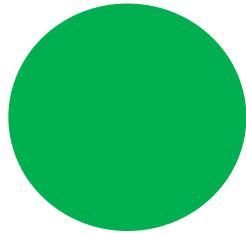


- Inform stakeholders of joint ownership
- Inform stakeholder about the background and depth of information in OPS
- Promote the use of OPS
- Show the benefits of using OPS
- Encourage input on Committees for OPS



OPS 101 Course Content

Intro



Background

Structure /
Maintenance

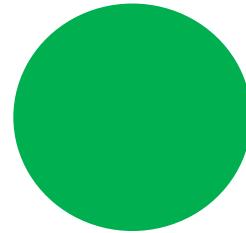
How to get involved

Claims Management

london.ca

Dispute Resolution

How to Use



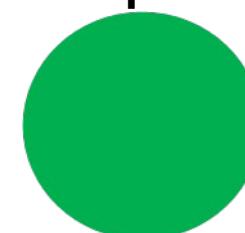
Fundamental
Elements of
Contract

Specification
Writing

Navigating
Through OPS

Case Studies

Other Contract Components



Amending OPS Documents

Tender and Contract
Awarding

Administration

Change Orders

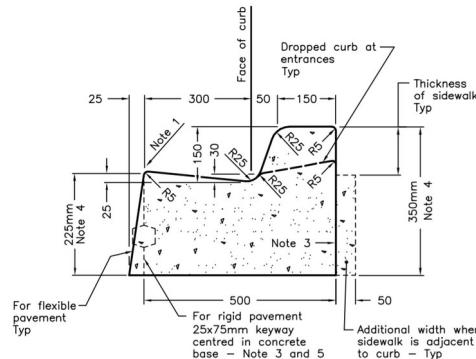
OPS Updates



Sample Quiz

Now that you know how to navigate in OPS, this exercise will test your ability to find some typical information using specs and drawings

What is the width of the gutter of concrete barrier curb with standard gutter?



Answer: 300mm
OPSD.600.040



Sample OPSS



ONTARIO
PROVINCIAL
STANDARD
SPECIFICATION

OPSS.MUNI 353
NOVEMBER 2019

CONSTRUCTION SPECIFICATION FOR CONCRETE CURB AND GUTTER SYSTEMS

TABLE OF CONTENTS

353.01	SCOPE
353.02	REFERENCES
353.03	DEFINITIONS
353.04	DESIGN AND SUBMISSIONS REQUIREMENTS
353.05	MATERIALS
353.06	EQUIPMENT - Not Used
353.07	CONSTRUCTION
353.08	QUALITY ASSURANCE - Not Used
353.09	MEASUREMENT FOR PAYMENT
353.10	BASIS OF PAYMENT



Sample OPSS

353.07 CONSTRUCTION

353.07.01 General

The Construction section applies equally to concrete curb and gutter, concrete spillways, and concrete gutter outlets.

353.07.02 Foundation and Backfill

Excavation and embankment construction shall be according to OPSS 206.

Granular base and granular backfill construction shall be according to OPSS 314.

353.07.03 Compaction

Compaction shall be according to OPSS 501.

353.07.04 Steel Reinforcement

Placement of steel reinforcement shall be according to OPSS 905.

353.07.05 Formwork

Formwork shall be according to OPSS 919 and shall be set true to the lines and grades specified in the Contract Documents and in direct contact with the subgrade or granular course.

353.07.06 Slipform

Slipform paving equipment is acceptable for use provided the slipform product meets the specified cross-sectional requirements.

353.07.07 Joints

When concrete curb and gutter is constructed adjacent to concrete pavement, the transverse joint spacing of the curb and gutter shall coincide with that of the concrete pavement. When concrete curb and gutter is



Case Studies

#1 - Watermain project that had a major issue that was resolved with the use of OPS

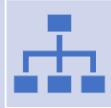


#2 - How various concrete products (pipes, box culverts, beams, maintenance chambers) are constructed using OPS specifications





101 Course Take Aways



Background of OPS Structure



Exercises to find specifications
and drawings



Outline how to read
specifications and extract key
information

ONTARIO PROVINCIAL STANDARDS
FOR
ROADS AND PUBLIC WORKS



OPS USER GUIDE

June 28, 2016



201 Course Outline

Project Planning – Day 1

- Refresher on OPS Specs
- Project Selection
- Identifying the Scope of Work
- Project Budget

Project Delivery – Day 2

- Building the tender
- Inspection
- Technology
- Managing Progress Payments
- Document Management
- Effective Communication (Tone / Attitude / Working together)
- Dispute Resolution (Preventing / Mitigating)
- Time & Material
- Contract Closeout

201 Course Case Studies

3 case Studies

- Construction Management Software
- Contract Administration/Inspection
- Time and Material





201 Course Take Aways



Planning/Budget



Manage
Contract

Change Orders
Claims
Time and
Material



Contract Close Out

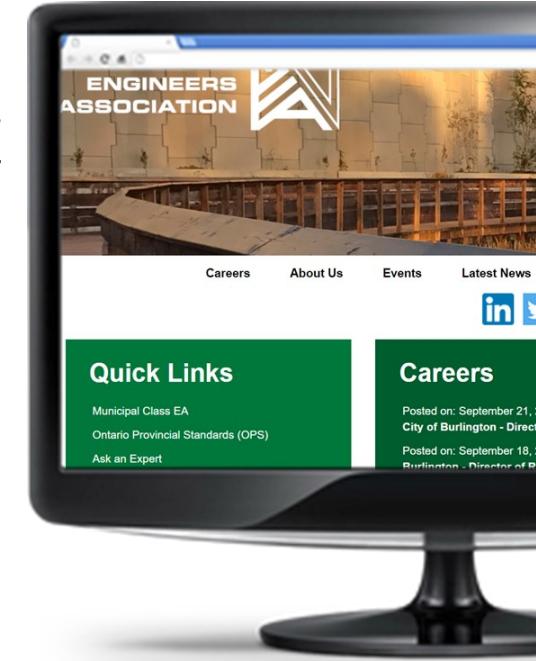


OPS and Contract Delivery (101+201)

OPS and Contract Delivery -April 2026 Guelph Road School

<https://goodroads.ca/education/program-areas/>

- OPS background and structure
- How to find OPS and interpret them
- Current updates on OPS
- Integrating and using OPS in contracts
- Contract preparation – scope, cost estimate, schedule
- Contract execution – inspection, documentation, claims, time and material, payment
- Contract Close out – substantial performance, warranty, hold backs





OPS AND CONTRACT DELIVERY

GUELPH ROAD SCHOOL
(IN PERSON WITH FORMAL
EXAM)



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Quick Links

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Careers

- Posted on: February 14, 2020
Project Manager - Development
- Posted on: February 14, 2020
Project Manager - Environmental
- Posted on: February 12, 2020

Latest News

- Municipal Drinking Water
- OPS Drainage Committee (Vacancy)
- Erosion & Sediment Control Guide

Why take these course?

- OPS is the industry standard for specs/drawings
- Risk management by using established documents
- Learn the basic elements for municipal contracts
- Get practical knowledge of how OPS is used
- Lessons learned from experienced professionals





Questions?

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