

January 2020

City of Peterborough

Unit Price Contract Supplemental General Conditions and
Standard Specifications Modification Summary



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Department: **Infrastructure and Planning Services**

January 2020 Edition

The following information is provided by the City of Peterborough to be considered part of Contracts where identified in the tender documents.

Unit Price Contract Supplemental General Conditions and Standard Specifications
Modification Summary

Please notify the contact listed below of any omissions or errors in these documents.

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Supplemental General Conditions

Added to and Amended: 6. Conflicts and Omissions

The Contractor shall do all work and furnish all materials in accordance with the best practice, and in the event of any inconsistency or conflict in the provisions of the plans or specifications, such provisions shall take precedence and govern in the following order:

- i) Agreement
- ii) Addenda
- iii) Information for Bidders
- iv) Special Provisions
- v) Tender
- vi) Contract Technical Specifications
- vii) Contract Plans and Detail Drawings
- viii) City of Peterborough Standard Specifications and Standard Drawings
- ix) Ontario Provincial Standard Specifications (**OPSS.MUNI - Municipal Version**) and **Ontario Provincial** Standard Drawings
- x) **Ontario Provincial Standard Specifications (OPSS.COMM - Common Version) when a Municipal Version is not available**
- xi) **Ontario Provincial Standard Specifications (OPSS.PROV – Provincial Version) when a Municipal and Common Version is not available**
- xii) City of Peterborough Supplemental General Conditions
- xiii) Ontario Provincial Standards General Conditions (**OPSS.MUNI 100-Municipal Version**)
- xiv) Ministry of Transportation of Ontario Standard Specifications and Supplemental Specifications

Neither party to the Contract shall take advantage of any apparent error or omission in the plans or specifications, but the Contract Administrator shall be permitted to make such corrections and interpretations as may be necessary for fulfillment of the intent of the plans and specifications. Any work or material not herein specified but which may be fairly implied as included in the Contract, of which the Contract Administrator shall be the judge, shall be done or furnished by the Contractor as if such work or material had been specified.

Added to: 19. Insurance – Insurance General

12) Additional Insured

The following shall be listed as additional insured on the contractor's insurance:

- a. The Corporation of the City of Peterborough
- b. Peterborough Utility Services Inc.
- c. Peterborough Utilities Commission
- d. Peterborough Distribution Inc. **(or Hydro One when requested)**
- e. Bell Canada
- f. Cogeco Cable Canada LP
- g. Rogers Communications Inc.
- h. Nexicom Telecommunications Inc.
- i. Enbridge Gas Distribution Inc.

Standard Specifications

New Specification: CP200.03	Supply/Install/Maintain 600mm X 1200mm Sidewalk Closed Signs Complete with Stand
New Specification: CP200.04	Supply/Install/Maintain/Relocate/Remove 1.8m High Protective Fencing
New Specification: CP201.02	Removal / Disposal of Existing Boulders
New Specification: CP206.04	Select Tree Trimming
Deleted Specification: CP311.02	Supply/Install HL 3 F Hot mix Asphalt (Including AC)
Deleted Specification: CP980.01	Supply/Install Pedestrian Barricade

Added to: CP200.00 Traffic Control

The lump sum price for this item shall be full compensation for the supply of all labour, equipment and materials necessary to meet the traffic management restrictions and requirements set forth in the Contract and in accordance with Section 27, 28, 29 & 30 of the Supplemental General Conditions.

The Contractor is responsible to submit an application for lane and road closures coinciding with all construction staging and contract requirements to the Contract Administrator for approval through the City of Peterborough's Traffic Department. Form 006 Traffic Control Application & Covering Letter for Engineering Projects shall be completed and appended to the front of **the Application for Temporary Road Occupancy form**.

The City reserves the right to replace the **Application for Temporary Road Occupancy** with a revised form at any point, at no additional costs to the City.

Added to: CP201.01 Clear and Grub

OPSS.MUNI 201, April 2019, shall apply except as amended and extended herein.

This item refers to all cut and fill areas within the limits of construction.

Added to: CP206.01 Earth Excavation and Grading (Cut/Fill)

OPSS.MUNI 206, April 2019, shall apply except as amended and extended herein.

All Fill shall be placed and compacted in accordance with CP501.01. **If constructing an embankment the bank shall be constructed as per OPSD 208.010.**

Added to: CP206.02 Imported Select Subgrade

OPSS.MUNI 206, April 2019, shall apply except as amended and extended herein.

Imported select subgrade shall be placed and compacted in accordance with CP501.01. **If constructing an embankment the bank shall be constructed as per OPSD 208.010.**

Added to: CP206.03 Topsoil Stripping

OPSS.MUNI 206, April 2019, shall apply except as amended and extended herein.

Added to: CP310.01 General Asphalt Requirements

Tolerances for Asphalt Cement Content (*)

Mix	Attribute	Job-Mix Formula	OPSS.MUNI 310 Acceptable	OPSS.MUNI 310 Borderline	OPSS.MUNI 310 Rejectable
HL1 & HL3	AC Content	5.2% Minimum	< 0.30	0.30 to 0.50	> 0.50
HDBC	AC Content	5.0% Minimum	< 0.30	0.30 to 0.50	> 0.50

Weigh tickets are to be provided in digital format (handwritten receipts will not be accepted) and must indicate the following minimum information to be accepted for payment. Tickets not meeting these requirements will be returned to the Contractor without payment:

- Supplier name
- Material type being supplied
- Hauler name
- Truck number
- Pit location
- Truck tare weight
- Gross weight

- Net material weight
- Date and time of delivery
- Total for the day
- Running total (for entire project)
- PGAC Grade
- **Mix Design Number**

Payment for this item may be paid for by the square metre (measured or plan quantity) or based on approved weigh tickets when paid for by the tonne as defined in the Schedule of Unit Prices.

Longitudinal Joint Performance (For Information Purposes Only)

Intent: The collection of compaction data will be performed at all longitudinal joints on the premise that the City will be looking to include one of or a combination of the following criteria within the 2021 specification updates for the purpose of defining acceptable/rejectable contract requirements:

- **Alternate construction methods**
- **Equipment requirements**
- **Refined longitudinal joint performance**

Longitudinal Joint Performance Requirements

Failure to achieve acceptable longitudinal joint performance for 2020 executed contracts will require the Contractor to schedule and attend a pre-pave meeting with the Contract Administrator prior to conducting the next paving operation. Paving will not be permitted until the pre-pave meeting has been held. The Contractor will be required to provide modifications to at least one of the following; placement operations, supply transportation, existing construction equipment, additional construction equipment, etc. The provided modification must be approved by the Contract Administrator and the Contractor will be required to conduct future operations with such modifications. If failure occurs again, pre-pave meetings will be required on a continuous basis until acceptable longitudinal joint performance has been achieved.

Longitudinal joint testing shall be performed at intervals of +/- 50 metres located within 300mm of each side of the joint, in a staggered pattern and commencing at approximately 1 metre into the paving limits. Longitudinal joint performance shall apply to full width road paving only, unless otherwise noted in the contract documents.

A longitudinal joint compaction result shall under no circumstance be less than 90% for base asphalt and 91% for surface asphalt. In addition to this requirement, the average of the compaction results for a longitudinal joint shall meet OPSS.MUNI 310 – Table 10 (91% and 92% for base and surface asphalt, respectively). Longitudinal joint compaction averages shall be determined for

individual joints only, when more than one is present. The above longitudinal joint performance specifications may be excluded within intersections and turning tapers when live traffic is required to be maintained.

Quality Assurance

Quality assurance testing protocols as referred to in CP200.01 shall apply.

Added to: CP314.01 Granular 'B' Type 1 Modified

OPSS.MUNI 314, November 2019, shall apply except as amended and extended herein.

Added to: CP314.02 Granular 'A'

OPSS.MUNI 314, November 2019, shall apply except as amended and extended herein.

Added to: CP351.01 General Concrete Requirements

OPSS.MUNI 351, November 2019, shall apply except as amended and extended herein.

OPSS.MUNI 351.05 is amended by the addition of the following:

The materials for the production of concrete sidewalks, medians, bus pads, curb and curb and gutter shall meet the requirements of OPSS.MUNI 1350 and the following:

- 1) Cement type: Normal Portland GU
- 2) Minimum 28-day compressive strength: 32 MPa
- 3) Class of exposure: C-2

OPSS.MUNI 351.08 is amended by the addition of the following:

Where deficiencies have been identified, the Contractor shall provide additional testing of the hardened concrete **without the use of destructive testing methods (ie. Coring will not be permitted)** to verify that the concrete meets the contract requirements. Acceptance of concrete shall be in accordance with OPSS.MUNI 1350.08 and the quality assurance testing as referred to in CP200.01 shall apply. All concrete placed that does not meet the contract requirements will require removal and replacement at the discretion of the Contract Administrator.

Added to: CP351.02 Construct Concrete Sidewalks, Ramps, Driveways and Medians

OPSS.MUNI 351, November 2019, shall apply except as amended and extended herein.

Concrete thickness is to match that of the sidewalk as mentioned above. Sidewalk and driveways are to be separated by an expansion joint comprised of asphalt-impregnated fiberboard having a nominal thickness of 12 mm and shall be according to **OPSS.MUNI 1308**, Type A. Fiberboard shall be placed every 4m to 5m of sidewalk and will be full thickness of Sidewalk slab.

Added to: CP351.03 Supply/Install of Tactile Walking Surface Indicators

OPSS.MUNI 351, November 2019, shall apply except as amended and extended herein.

Added to: CP353.01 Construct Concrete Curb and Curb and Gutter

OPSS.MUNI 353, November 2019, shall apply except as amended and extended herein.

Added to: CP407.01 Supply/Install 600mm X 600mm Concrete Catch Basins

In addition, this item shall include but not necessarily be limited to all sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required to perform the work.

Added to: CP407.02 Supply/Install 1450mm X 600mm Concrete Twin Inlet Catch Basins

In addition, this item shall include but not necessarily be limited to all sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required to perform the work.

Added to: CP407.03 Supply/Install Concrete Storm Structure

The unit price bid identified in the schedule of unit prices shall include full compensation for all labor, equipment, and materials to do all earth excavation, to remove asphalt pavement, except where this is a separate item, for providing openings and breaking into the storm sewers, to carry out all pipe installations, connections, benching and grouting, to place and compact all bedding, bypass pumping to keep system operational at all times, backfill and cover materials, to dispose surplus excavated materials to carry

out all sheathing, shoring and **dewatering as per OPSS.MUNI 517 and 518** as may be required and for all other items incidental to this operation.

Added to: CP407.04 Supply/Install Concrete Sanitary Structures

The unit price bid identified in the schedule of unit prices shall include full compensation for all labour, equipment and materials to do all earth excavation, to remove the asphalt pavement, except where such pavement removal is a separate item for providing openings and breaking into the sewers to carry out all pipe installations, connections, benching and grouting, to place and compact all bedding, backfill and cover materials, to dispose of surplus excavated materials, to carry out all sheathing, shoring and **dewatering as per OPSS.MUNI 517 and 518** as may be required and for all other items incidental to this operation.

Added to: CP408.01 Supply / Set Catch Basin, Catch Basin Manhole, Water Valve Chambers, Bell Chambers and Manhole Frames, Covers and Grates

High density polyethylene (HDPE) adjustment units shall conform to OPSS.MUNI 1854 November 2019.

Added to: CP408.02 Reset / Adjust / Existing Catch Basin, Catch Basin Manhole, Water Valve Chambers, Bell Chambers and Manhole Frames, Covers and Grates

High density polyethylene (HDPE) adjustment units shall conform to OPSS.MUNI 1854 November 2019.

Added/Amended to: CP409.01 Closed Circuit Television (CCTV) Inspection of Sewers and Sewer Service Laterals

Flow Control/Dewatering as per OPSS.MUNI 517 and 518/Plugging and Blocking

Added to: CP410.01 Supply/Install DR 35 PVC Storm Sewer

- b) All sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required.
- l) Deflection testing as per **OPSS.MUNI 410 and OPSS.MUNI 438** when requested based on CCTV inspection review. **Digital image to be in MPEG format.**

Added to: CP410.02 Supply/Install Concrete Storm Sewer

- b) All sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required.

Added to: CP410.03 Supply/Install DR 28 PVC Sanitary Service

- b) All sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required.
- l) Deflection testing as per **OPSS.MUNI 410 and OPSS.MUNI 438** when requested based on CCTV inspection review. **Digital image to be in MPEG format.**

Added to: CP410.04 Supply/Install DR 35 PVC Sanitary Sewer

- b) All sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required.
- l) Deflection testing as per **OPSS.MUNI 410 and OPSS.MUNI 438** when requested based on CCTV inspection review. **Digital image to be in MPEG format.**

Added to: CP410.05 Supply/Install Concrete Sanitary Sewer

- b) All sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required.

Added to: CP410.08 Supply/Install DR 28 PVC Storm Service

- b) All sheathing, shoring, bracing and **dewatering as per OPSS.MUNI 517 and 518** that may be required.
- l) Deflection testing as per **OPSS.MUNI 410 and OPSS.MUNI 438** when requested based on CCTV inspection review. **Digital image to be in MPEG format.**

Added to: CP510.03 Removal/Disposal of Asphalt Partial Depth

Also, as per OPSS 710.07.05 temporary pavement markings shall be placed on temporary road surfaces (planed/milled surfaces, base and temporary asphalt, etc.) prior to the opening to the general public.

Added to: CP510.07 Remove/Dispose of Existing Storm Sewer

- b) All sheathing, shoring and **dewatering as per OPSS.MUNI 517 and 518** that may be required.

Added to: CP510.08 Remove/Dispose of Existing Storm Structures

- b) All sheathing, shoring and **dewatering as per OPSS.MUNI 517 and 518** that may be required.

Added to: CP510.09 Remove/Dispose of Existing Sanitary Sewer

- b) All sheathing, shoring and **dewatering as per OPSS.MUNI 517 and 518** that may be required.

Added to: CP510.10 Remove/Dispose of Existing Sanitary Structures

- b) All sheathing, shoring and **dewatering as per OPSS.MUNI 517 and 518** that may be required.

Added/Amended to: CP510.15 Removal/Disposal of Existing Fence

OPSS.MUNI 510, November 2018, shall apply except as amended and extended herein

Added to: CP511.01 Supply/Install Rip Rap with Filter Fabric (2 layers)

OPSS.MUNI 511, November 2019, shall apply except as amended and extended herein.

Added to: CP802.01 Supply/Place Topsoil

OPSS.MUNI 802, November 2019, shall apply except as amended and extended herein.

OPSS.MUNI 802 is herein amended in that the unit price bid per square metre for this item shall be full compensation for supplying and placing a minimum of 150 mm of screened topsoil

Added to: CP804.02 Supply/Install Erosion Control Blanket

OPSS.MUNI 804, November 2014, shall apply except as amended and extended herein.

Added/Amended to: CP805.01 Environmental Considerations

Silt Fence

Silt fence shall be installed and maintained in areas where there is a risk of run off affecting neighboring properties, watercourses or other environmental features in accordance with OPSD 219.110 and OPSD 219.130. Heavy Duty silt fence shall be wire mesh type with steel posts **as per OPSD 219.131**. Any substitutions need to be approved by Contract Administrator prior to use.

Fibre Roll Flow Check Dams

Fibre roll flow check dams shall be installed in areas where there is a risk of run off affecting neighbouring properties, watercourses or other environmental features in accordance with OPSD 219.191 Fibre Roll Flow Check Dams. Any substitutions need to be approved by the Contract Administrator prior to use.

Added to: CP1541.01 Supply/Install Chain Linked Fence with Top Rail

OPSS.MUNI 772, April 2019, shall apply except as amended and extended herein.

Index of Standard Drawings:

CPD M1.1 (Revised)	Driveway and Multi-Use Trail Detail
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Index of Forms:

006 (Added)	Traffic Control Application & Covering Letter for Engineering Projects
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