

TS No.	Superseded (Remove)	Revised/New (Insert)	Remarks
TS 1.00	Sep 2017	Sep 2018	<p>Construction Specification for Maintenance of Traffic</p> <ul style="list-style-type: none"> • Subsection 1.00.05.02 Superpave 9.5 Asphalt; changed PGAC 58S-28 to PG 58-28. • Subsection 1.00.05.03 Superpave 19.0 Asphalt; changed PGAC 58S-28 to PG 58-28. • Subsection 1.00.07.01 General; rewrite Superpave 9.5 as Superpave 9.5, Traffic Category B in seventh paragraph. Remove Ontario Manual of Uniform Traffic Control Devices as not in use no longer in eighth paragraph. • Subsection 1.00.07.03 Temporary Traffic Lanes, rewrite Superpave 19.0 as Superpave 19.0, Traffic Category B in first paragraph. Delete last two sentences and move to new subsection Bus Stops. • Subsection 1.00.07.04 Bus Stops; new subsection. • Subsection 1.00.07.07 Temporary Sidewalks; revise minimum width of sidewalk from 2.5 to 2.1m. Revise Superpave 9 to Superpave 9.5, Traffic Category B in first paragraph. • Subsection 1.00.07.08 Bicycle Facilities; Revise Superpave 9.5, Traffic Category B in first paragraph. • Subsection 1.00.07.10 Crowd Control Barriers; delete first sentence as it contradicts measurement for payment. • Subsection 1.00.07.13 Maintenance of Temporary Work; revise Superpave 9.5 to Superpave 9.5, Traffic Category B in second paragraph.
TS 1.10	Sep 2017	Sep 2018	<p>Construction Specification for Field Office</p> <ul style="list-style-type: none"> • Section 1.10.01 Scope; parking added. • Section 1.10.06 Equipment; waste basket, dimensions of desk added to 4th last paragraph. • Subsection 1.10.06.02 Parking; new subsection. • Subsection 1.10.09.01 Field Office; revised measurement from lump sum to each.
TS 2.10	Sep 2017	Sep 2018	<p>Construction Specification for General Excavation</p> <ul style="list-style-type: none"> • Subsection 2.10.09.01 General Excavation; first paragraph revised. Second paragraph revised by adding 'not' to first sentence. • Subsection 2.10.09.01 Additional Excavation of Soft Spots; removed 'provisional' from title. • Subsection 2.10.10.01 General Excavation; third paragraph; new. • Subsection 2.10.10.01 Additional Excavation of Soft Spots – Item; removed 'provisional' from title.

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TS 2.20	Sep 2017	Sep 2018	<p>Construction Specification for Excavation of Track Allowance</p> <ul style="list-style-type: none"> • Section 2.20.07 Construction; seventh paragraph deleted.
TS 3.30	Sep 2017	Sep 2018	<p>Construction Specification for Hot Mix Asphalt Sidewalks, Boulevards and Driveways</p> <ul style="list-style-type: none"> • Subsection 3.30.05.02 Superpave 9.5 Asphalt; new subsection. • Subsection 3.30.05.01 Superpave 12.5 Asphalt; subsection deleted. • Subsection 3.30.05.03 Superpave 19.0 Asphalt; PGAC 58S-28 revised to PGAC 58-28. • Subsection 3.30.07.01 Asphalt Sidewalk; Superpave 12.5 changed to Superpave 9.5. • Subsection 3.30.07.02 Asphalt Driveway – Residential; Superpave 12.5 changed to Superpave 9.5. • Subsection 3.30.07.03 Asphalt Driveway – Commercial; change depth from 80 to 60 mm for Superpave 19.0. Change depth from 50 to 40 mm for Superpave 9.5. • Subsection 3.30.07.04 Asphalt Boulevard and Median; revised title. Entire paragraph rewritten. • Subsection 3.30.07.05 Sidewalk Resurfacing; Superpave 12.5 changed to Superpave 9.5.
TS 3.41	Jun 2017	Sep 2018	<p>Construction Specification for Concrete Bus Pad</p> <ul style="list-style-type: none"> • Subsection 3.41.05.03 Granular Base; OPSS 1010 revised to TS 1010. • Subsection 3.41.07.08 Finishing Concrete; 4th paragraph, magnesium grooved float wording added. Revise transverse groove from 3 mm to 6 mm. Revise groove depth from 4 mm to 6 mm.
TS 3.45	Apr 2014	Sep 2018	<p>Construction Specification for the Repair of Concrete Pavement and Base</p> <ul style="list-style-type: none"> • Section 3.45.02 References; drawing T-508.010-1 added. • Subsection 3.45.05.02 Hook Bolt Dowels; changed reference to T-508.010-1 from TS 3.40. • Subsection 3.45.07.04 Dowel Bars; new subsection. Numbering reordered. • Subsection 3.45.07.05 Hook Bolt Dowels; removed 300 mm centres from last sentence. • Subsection 3.45.10.01 Concrete Road Base Repair – item; add dowel bars to revised paragraph.

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TS 3.80	Sep 2017	Sep 2018	<p>Construction Specification for Concrete Unit Pavers</p> <ul style="list-style-type: none"> • Section 3.80.02 References; CSA A179 and A23.1-FA1 added. AASHTO M-288 added. ASTM C979 and D2488 added. ICPI Tech Spec 2, 3, 4, 17 and 22 added. • Section 3.80.04 Design and Submission Requirements; new section. • Subsection 3.80.04.01 Bedding and Joint Sand; new subsection. • Subsection 3.80.04.02 Concrete Pavers; new subsection. • Subsection 3.80.04.03 Manufacturers Materials; new subsection. • Subsection 3.80.05.04 Bedding Sand; all sentences revised along with Table 1. • Subsection 3.80.05.05 Joint Sand; sentence and Table 2 revised. • Subsection 3.80.05.07 Concrete Pavers; entirely rewritten. • Clause 3.80.05.07.01 Concrete Paver Types; new clause with Type 1 and Type 2 pavers added. • Subsection 3.80.05.07.02 Colour and Finish; new subsection. • Subsection 3.80.05.08 19 mm Type II Clear Stone; Table 3 revised. Table 4 new. • Subsection 3.80.05.09 Geotextile Fabric; paragraph rewritten. • Subsection 3.80.05.10 Edge Restraints; new subsection. • Section 3.80.06 Equipment; paragraph rewritten. • Subsection 3.80.07.02 Base; new sentence added. • Clause 3.80.07.02.02 Concrete Base; second, third and fourth paragraphs revised. • Subsection 3.80.07.03 Bedding Sand; title revised, the word "Sand" added. Both paragraphs rewritten. • Subsection 3.80.07.04 Concrete Paver Placement; subsection rewritten. • Subsection 3.80.08.01 Surface Tolerance; change from 3 to 10 mm. Second and third sentence new. • Appendix 3.80-A; revised.

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TS 4.60	Sep 2017	Sep 2018	<p>Construction Specification for Utility Cut and Restoration</p> <ul style="list-style-type: none"> • Section 4.60.02 References; Utility Cut Repair Guidelines and Utility Cuts in Concrete Pavements added. • Section 4.60.07 Construction; Table 1 revised, changed from City to Applicant under Permanent Repair column. • Clause 4.60.07.02.03 Backfilling; Backfilling in Boulevards, in last paragraph revised Granular B to Granular B Type II. • Subsection 4.60.07.03 Temporary Repair; rewrite Superpave 12.5 as Superpave 12.5, Traffic Category B, PG 58-28 in second paragraph. Last sentence is new. • Clause 4.60.07.04.01.01 Pavement; Transverse Cuts heading and text at end of this clause is new. • Clause 4.60.07.04.02 Permanent Repair to Utility Cut Surfaces; Table 2, new.
TS 4.70	Sep 2017	Apr 2018	<p>Construction Specification for Keyhole Excavation and Permanent Reinstatement of Keyhole Cores</p> <ul style="list-style-type: none"> • Revised title; Insert "Reinstatement" before "Permanent".
TS 5.20	Apr 2014	Sep 2018	<p>Construction Specification for Direct Seeding</p> <ul style="list-style-type: none"> • Section 5.20.01 Scope; added the term "terrasedding" to sentence.

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TS 310	Sep 2017	Sep 2018	<p>Construction Specification for Hot Mixed, Hot Laid Asphaltic Concrete Paving</p> <ul style="list-style-type: none"> • Section 310.02 References; Special Provision 112S07 added. T40 added. • Section 310.03 Definitions; Designated Large Sieve added. • Subsection 310.05.03 Hot Poured Rubberized Asphalt Joint Sealing Compound; new subsection. • Clause 310.07.01.01 Quality Control; new third paragraph about CCIL laboratory. • Subsection 310.07.02 Sampling; new subsection. Remaining subsections renumbered. • Subsection 310.07.03 Hot Mix or Warm Mix Asphalt; new subsection. • Subsection 310.07.04 Repair of Sampling Locations; new subsection. • Subsection 310.07.05 Placing Hot Mix Asphalt; reference to clause TS 310.07.01.13 revised to TS 310.07.05.07 in last paragraph. • Clause 310.07.05.05.01 Compaction Testing Based on Nuclear Density Gauge Testing; deleted in its entirety and moved Table 4 to section 310.08 Quality Assurance. • Subsection 310.07.10 Hot-Poured Rubberized Asphalt Joints; 1st paragraph rewritten. • Section 310.08 Quality Assurance; entire section rewritten to be in-line with OPSS 310. Added table 5, 6, 7 and 8. • Clause 310.09.01.01 Methods of Measurement; second paragraph revised to include electronic daily weight ticket summary. • Subsection 310.09.02 Hot Poured Rubberized Asphalt Joint Sealing; new subsection for measurement of payment. • Subsection 310.10.02 PGAC; deleted subsection in its entirety. • Subsection 310.10.02 Hot Poured Rubberized Asphalt Joint Sealing – Item; new subsection. • Appendix 310-A, Supplementary Requirements for Warm Mix Asphalt, new.
TS 1101	Sep 2017	Apr 2018	<p>Amendment to OPSS.MUNI 1101 (Nov 2016) – Material Specification for Performance Graded Asphalt Cement</p> <ul style="list-style-type: none"> • Revised Table 1 – Additional asphalt testing requirements and acceptance criteria for PGAC grades. Changed recovered asphalt testing to information purposes only. Excluded PGAC 58-28 from LS-299 and LS-308 testing. Changed test method test to ASTM 7643 from AASHTO M320.

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TS 1151	Sep 2017	Sep 2018	<p>Amendment to OPSS.MUNI 1151 (Apr 2018) – Material Specification for Superpave and Stone Mastic Asphalt Mixtures</p> <ul style="list-style-type: none"> • Previous version of TS 1151 (Sep 2017) is completely revised. Adopted OPSS.MUNI 1151 with amendments. • Table 5 revised VFA to reflect 3.5% air voids versus 4.0% air voids. • Table 11 revised to add SP 4.75.