

Summary of 2011 Specification Changes - effective date January 1, 2012

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(A) Web site reference updated to:

<http://www.halifax.ca/procurement/UnitPriceContractsDesignConstructionServices.html>

Section 00 73 00 Supplementary General Conditions

(A) Three clauses from the January 2011 Supplementary General Conditions moved to 00 72 45 General Conditions of the Civil Works Contract.

Section 00 74 00 Supplementary Specifications

(A) Section 01 10 00 General Requirements, modify item (c) Record Drawings as follows: “.3 Supply a hard copy mark-up of the issued for construction drawings and electronic survey coordinates and elevations representative of all manholes, catchbasins, structures, pipe work and buried portions of the work to the Engineer. Information must be received by the Engineer one month after project completion.”

Section 01 22 00 Measurement and Payment

(A) General: following added to no. 3 “Scale tickets for gravels and asphaltic concrete shall be provided within 48 hours, when requested by the Engineer, regardless of the unit of measurement.”

(B) 9.1 Scarify Existing Road Surface: following added to the pay item description “This item also includes all necessary labour and equipment required for the fine grading and compaction of existing granular material.”

(C) 42.11 Cut and Patch: remove “reinstatement tape” and add “temporary pavement markings”.

(D) 42.12 Planer Patch: remove “reinstatement tape” and add “temporary pavement markings”.

(E) 42.13 Profile Correction: add “power sweeping (cleaning)”.

(F) 42.17 Asphalt Swale: add “by mechanical spreader (when being installed in conjunction with a new lift of asphalt)” to the pay item description. Description will now read “...placement and compaction of asphalt swale by mechanical spreader (when being installed in conjunction with a new lift of asphalt) ...”.

(G) 42.18 Cold Planing: add “at all limits including side streets (edge facing oncoming traffic) and crosswalks” to the pay item description. Description will now read “... an asphalt ramp must be installed between the planed surface and the existing asphalt at all limits including side streets (edge facing oncoming traffic) and crosswalks ...”.

(H) Asphalt curb pay item created. Item 43.3 Asphalt Curb.

Unit of Measurement: metre (m)

Method of Measurement: slope measure along face of curb through catchbasins

This item includes: preparing surface on which the curb is to be placed so that it is dry and free from all loose and foreign material, tack coat, placing the asphalt curb by a machine (if the length of curb exceeds 10 m in a continuous length) that is self-powered and capable of extruding and compacting the asphalt concrete to the line, grade and cross-section as shown on the drawings or as otherwise specified.

(I) 47.1.5 Water Valve Adjustment, new "Type 1 Water Valve adjustment" pay item created (existing type 1, 2 and 3 water valve adjustments will be re-numbered as 2, 3 and 4).

Type 1 Water Valve Adjustment

This item includes: the supply and installation of Mueller ductile iron adjustable top and cap, 127mm inside diameter and minimum 305mm length; excavation and adjustment of adjustable top, setting top to finished grade and reinstatement to match existing.

(J) 47.2 Replace Frames and Grates or Covers (Including Final Grade Adjustment): last sentence, remove duplicate wording of "this item".

(K) Adjust Existing Structures: new pay item created, "47.3 Adjust Existing Adjustable Frames and Covers".

This item includes: mass excavation and backfill, adjustment of adjustable frame and cover to finished grade and reinstatement to match existing.

(L) 49.3 Driveway Reinstatement (concrete): remove the words "or scale tickets signed by the Engineer" from the method of measurement.

(M) 49.4 Driveway Reinstatement (brick): remove the words "or scale tickets signed by the Engineer" from the method of measurement.

(N) 49.4 Driveway Reinstatement (brick): modify pay item description to read "This item includes: excavation, supply and placement of brick pavers to reinstate existing brick work to original condition. This item also includes supply, placement and compaction of 150 mm type 1 gravel and 40 mm sand."

(O) Landscaping: New pay item created, 58. Tree Stump Removal.

Unit of Measurement: Each (Ea.)

This item includes: mass excavation and embankment – common, cutting roots as required, removal and disposal of the tree trunk, removal and disposal of roots as directed, supply and placement of borrow as required to fill in all voids, 150 mm of topsoil and sod (if an individual pay item is not provided), lime, fertilizer, required accessories and maintenance.

(P) 65 Pavement Markings – numbering changed to incorporate the addition of new items.

(Q) 65.3 "Yield Bars" added.

(R) 65.4 "Crosswalks" edited to include two crosswalk types (twin parallel and zebra).

Crosswalks (Twin Parallel Line and Zebra)

Unit of Measurement: metre (m)

Method of Measurement: average of the slope measurement of both lines

This item includes: accurate inventory of existing pavement markings, the supply and application of paint in the colours, sizes and configurations shown on the drawings and as specified by the Engineer. Also includes layout and pre-marking. Permanent markings shall be applied within one week after the placement of the final lift of asphaltic concrete.

(S) 65.5 Pavement Markings (Hatching): change unit of measurement to "square metre" and method of measurement to "slope measure of surface area including perimeter line".

(T) 65.6 "Intersection Box" added.

Unit of Measurement: square metre (m²)

Method of Measurement: plan measurement

This item includes: accurate inventory of existing pavement markings, the supply and application of paint in the colours, sizes and configurations shown on the drawings and as specified by the Engineer. Also includes layout and pre-marking. Arterials shall have the pre-markings applied immediately after the placement of each lift of asphaltic concrete and permanent markings shall be applied within 48 hours. All other streets shall have the permanent markings applied within one week after the placement of the final lift of asphaltic concrete.

(U) 65.8 "Bicycle Symbols" edited to remove the word "traffic" from the item name and measurement and payment description. Description will now read "This item includes: supply and application of bicycle pavement markings in colours, sizes and configurations shown on the drawings and as specified by the Engineer. Also includes layout and pre-marking. Permanent markings shall be applied within one week after the placement of the final lift of asphaltic concrete."

(V) 65.9 "Sharrow Symbols" added.

Unit of Measurement: Each

Method of Measurement: number of units installed.

This item includes: supply and application of sharrow pavement markings in colours, sizes and configurations shown on the drawings and as specified by the Engineer. Also includes layout and pre-marking. Permanent markings shall be applied within one week after the placement of the final lift of asphaltic concrete.

(W) 65.10 “Advance Yield to Pedestrian Line” added.

Unit of Measurement: metre (m)

Method of Measurement: slope measurement.

This item includes: accurate inventory of existing pavement markings, the supply and application of paint in the colours, sizes, and configurations shown on the drawings and as specified by the Engineer. Also includes layout and pre-marking. Arterials shall have the pre-markings applied immediately after the placement of each lift of asphaltic concrete and permanent markings shall be applied within 48 hours. All other streets shall have the permanent markings applied within one week after the placement of the final lift of asphaltic concrete.

(X) 65.11 “Speed Hump Markings” added.

Unit of Measurement: metre (m)

Method of Measurement: slope measurement.

This item includes: accurate inventory of existing pavement markings, the supply and application of paint in the colours, sizes, and configurations shown on the drawings and as specified by the Engineer. Also includes layout and pre-marking. Arterials shall have the pre-markings applied immediately after the placement of each lift of asphaltic concrete and permanent markings shall be applied within 48 hours. All other streets shall have the permanent markings applied within one week after the placement of the final lift of asphaltic concrete.

(Y) 65.12 “Diamond Symbols” added.

Unit of Measurement: Each

This item includes: accurate inventory of existing pavement markings, supply and application of diamond symbols in the colours, sizes and configurations shown on the drawings and as specified by the Engineer. Also includes layout and pre-marking. Arterials shall have the pre-markings applied immediately after the placement of each lift of asphaltic concrete and permanent markings shall be applied within 48 hours. All other streets shall have the permanent markings applied within one week after the placement of the final lift of asphaltic concrete.

(Z) 83 Reinststate Traffic Signal Detector Loops / Scoot Loops: change unit of measurement to “Each”.

Section 34 41 13 Traffic Signal Systems

(A) Index to Clauses - 2.16 renamed “Audible Pedestrian Signals”.

(B) 1.1 Work Included - following added to subsection .1 “... and any other supplementary systems (Wavetronic, Sensys, APS etc...)”.

(C) 1.1 Work Included - following added to subsection .4 “... or directly supervised by ...”

(D) 2.7.2 Preformed Detector - reference to web site under 2.7.2.2.1 and 2.7.2.2.4.1 Reno A&E Spec Sheet updated.

(E) 2.7.3 Wireless Detector - new text added.

(F) 2.7.4 Radar Detector - new text added.

(G) 2.8.2 Poles, Mast Arms, Steel - following added to subsection .2 "... with a smooth finish and have a minimum penetration of 60%. Seams within 4" of a flange or base plate shall be 100% penetration ..."

(H) 2.8.2 Poles, Mast Arms, Steel - subsection .3 modified as follows: ".3 Hand Hole is to be 100 x 250 mm with the cover located 26-153 mm from pole base and arm base.

(I) 2.8.2 Poles, Mast Arms, Steel - subsection .5, replace "AASHTO" with "CSA S6-06 Bridge Code for Structural Supports".

(J) 2.8.2 Poles, Mast Arms, Steel - new subsection .9 added as follows: "All nuts to be double nutted and tightened to manufactures recommended torque."

(K) 2.10 Traffic Signal Heads - subsection .5 modified as follows: "Snow Shield: Snow Sentry".

(L) 2.11 Pedestrian Heads - subsection .4 modified as follows: "Countdown Pedestrian Signal Heads as shown on the drawings."

(M) 2.13 Opticom Equipment - following added to subsection .2 "including auxiliary harness."

(N) 2.14 Pedestrian (RA-5) Signals - subsection .1 modified as follows: "Type: RA-5 Crosswalk Sign illuminated face walking man symbol 600 mm x 750 mm – man walking inside white border complete with 200 mm amber lenses attached to each side of sign if specified."

(O) 2.14 Pedestrian (RA-5) Signals - subsection .2.4 modified as follows: "No exposed wiring inside sign except for terminal ends in bottom."

(P) 2.14 Pedestrian (RA-5) Signals - subsection .2.5 modified as follows: "Stainless steel hinges with removable pins to hold both door faces of sign to main sign, and stainless latch to close door faces to main sign. Doors to swing upwards freely with no obstructions."

(Q) 2.14 Pedestrian (RA-5) Signals - subsection .2.6 added as follows: ".6 CSA labeled."

(R) 2.14 Pedestrian (RA-5) Signals - subsection .2.7 added as follows: "Wiring diagram with completed parts list."

(S) 2.14 Pedestrian (RA-5) Signals - subsection .3 Lens replaced in its entirety.

(T) 2.14 Pedestrian (RA-5) Signals - subsection .4.1.1 modified as follows: "Fortran Cushion Hanger, rubber cushioned mast wire hanger HAN555 of equivalent."

(U) 2.14 Pedestrian (RA-5) Signals - subsection .4.1.2 added as follows: "Doors to swing upwards freely with no obstructions."

(V) 2.14 Pedestrian (RA-5) Signals – following added to subsection .4.2 "... (Fortran HAN501 or equivalent) ..."

(W) 2.14 Pedestrian (RA-5) Signals - subsection .5 replaced in its entirety.

(X) 2.16 Video Detection System renamed as "Audible Pedestrian Signal" and section replaced in its entirety.

(Y) 3.4 Installation of Detector Loops – following added to subsection .7 as follows: "... and top and bottom of loop."

(Z) 3.6 Installation of Push Button Assemblies - .1 modified as follows: "Aluminum and Steel Poles".

(Z1) 3.7 Installation of Traffic Signals renamed "Installation of Traffic Signals and Pedestrian Signals".

(Z2) 3.7 Installation of Traffic Signals – new subsections .2 and .3 added.

(Z3) 3.9 Installation of Opticom Equipment – subsection .2, "3M" replaced with "manufacturer".

(Z4) 3.11 Mounting of Traffic Signal Controller Cabinet – subsection .2 modified as follows: "Seal cabinet to concrete base, using rubber gasket and silicone between cabinet and gasket."

Section S-1, Specification For Hot Mix Asphalt Concrete

(A) Part 7 - Price Escalation / De-escalation – Performance Graded Asphalt Binder (PGAB). First paragraph, the posted weighted average for the month the tender closes has been changed to the month prior to the month in which the tender closes. Clause will now read "... per tonne of PGAB, from the month prior to the month in which this tender closes and the month(s) in which the asphaltic concrete placement is performed..."

Section S-4, Pavement Markings

(A) 3.1.4 should read "Manual of Uniform Traffic Control Devices for Canada"

Appendix A – Traffic Control Manual Supplement

(A) Schedule "R", change limits for Kaye Street to "Young Street to Gottingen Street".

(B) Schedule "R", "Gottingen" is misspelled in the entry for Young Street.