

**INVITATION TO TENDER "ITT" NO. PS20171180
VANCOUVER LANDFILL ENTRANCE UPGRADES, MAIN WORKS**

QUESTIONS AND ANSWERS NO. 3

ISSUED ON JUNE 18, 2018

Q1	<p>Question from the electricians.</p> <p>Please clarify the contractor scope of work for the purple items on drawings E7031, 7041, 7051. i.e for the vehicle gates Spec 260101 SS item 1.18.5 and spec 260101 item 1.3.14 do not agree.</p>
A1	<p>Please note that all work shown in <u>purple</u> is part of the solution provider scope, is not in the scope of work of the contractor for this project and is shown for information only. However, please note that there are additional vehicle lift gates in the drawing package that are not shown in purple but are instead shown in <u>black</u> color. The supply and installation of these vehicle lift gates that are shown in black color is in the scope of work of the contractor for this project.</p> <ul style="list-style-type: none"> a. To clarify, Specification 260101SS item 1.18.1.5 refers to the purple items in the drawing package and is outside of the scope of this Contract. b. Specification 260101SS item 1.3.14 refers to the black items in the drawing package which are included in the scope of work of the contractor.
Q2	<p>The Spec for Pay Item 2.13 specifies curb/gutter removal will be measured by the lineal meter. However, Pay Item 2.13 is measured in m3. Can you clarify?</p>
A2	<p>The payment will be per linear metre as defined in 312413SS section 1.1.4. The unit rate on pay item 2.13 will be updated to linear metre.</p>
Q3	<p>The Supplementary Spec Section 312413 1.1.6-1.1.9 regarding Sub-excavation explains what will be included in the payment but there is no pay item to cover sub-excavation/replacement. How will this item be paid?</p>
A3	<p>There will be a line item added to the list of unit prices showing a provisional item up to 30 cubic metres to address this. It is not expected that there will be any sub-excavation required as part of this contract.</p>

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Q4	What's the difference between static signs and new signs?
A4	The static sign line item is meant to refer to the city supplied signs. Line items and 2.30 and 8.18 will be amended to read "Installation of City Supplied Signs".
Q5	SS260102 Item 2.5 does not match notes on drawing E7011. Please confirm which is correct.
A5	The scope of work shown on drawing E7011 (Revision 2), dated on 2018/05/04 - Re-issued for Tender has the correct information. Specifications SS260102 item 2.5 will be revised to match the correct information shown on drawing E7011 (Revision 2).
Q6	Regarding the provisional HHWA structure: <ul style="list-style-type: none"> • The specified fabric, FABRENE P708WW can be installed in both fire-retardant and non-fire-retardant options. It isn't specified in the supplemental specs, which should be chosen? • LED lighting: bulb type, luminosity, other specs • Doorways/entryways aren't clear on the drawings on specs - please clarify expectations
A6	<ul style="list-style-type: none"> • The fabric shall be fire retardant material. • The achieved illuminance delivered for the canopy area shall be average 30 Lux with the standard of acceptance illumination type being LED CREE CPY250-A-xx-F-A-UH-xx-40K_RES. Please refer to the electrical drawings E7006 and E7007 for the respective lighting calculations for the canopy area. • The HHWA is to have a gated entry facing the roadway.
Q7	How do the allowance pay items work? What is the mechanism to cover costs if the allowance is not enough?
A7	For General Conditions related to Cash Allowance items please refer to Schedule 1 - General Conditions - GC.74 Cash Allowance - Page AGT44 and Supplementary Specification Section 03401045SS item 1.4.7 (Scale House Raft Foundation), Section 03401045SS item 1.10.6 (Scale Ramps & Foundations) and Section 335000SS item 1.4.7 (Weigh Scales).
Q8	There is an item for painted pavement marking (Item 2.27 1.5.2) but there is no reference to any painted markings on the drawing and as per General Line Painting and Signing Notes Note 2 "Unless otherwise noted, all pavement markings are to be as per mmcd (2009) section 321723, utilizing thermoplastic paint." From drawing C2002 Rev. 4. Can we get clarification on what is to be paint and what is to be thermoplastic? That way we can appropriately break the prices down.

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A8	All pavement markings are to be thermoplastic.
Q9	Item 11.8 1.5.3 New Thermoplastic Pavement Markings for the Wheel wash facility on drawing C8009 Rev. 1 it only shows removals and there are no new markings indicated, is it possible to get clarifications on what these new markings are?
A9	The item covers the cross hatching in the shoulder on either side of the HHWA. The markings are to be thermoplastic.
Q10	In the 72nd Ave Full Reconstruction option there are items for painted and thermoplastic markings (Item 8.15 and 8.16) is it possible to get clarifications on what markings are to be paint and which ones are to be thermoplastic?
A10	All pavement markings are to be thermoplastic.
Q11	Can we get clarification on what size numbers and lettering are to be from drawings C4000 and C4001 Rev. 4? Also what product is to be used for these markings?
A11	Pavement numbers and letters shall conform to MUTCD Section C and shall be sized as per table C-1 for urban minimum dimensions (1200mm standard height). All pavement markings are to be thermoplastic.
Q12	On the east side of drawing C4001 Rev. 4 it seems the centreline island would extend further, is this to design and this is the limit of construction?
A12	The centre island will be extended to a junction to conform with the condition in the field. The pavement markings are to be thermoplastic.
Q13	Please provide a specification for concrete vaults and junction boxes. Are they to CoV or MOTI specs as Dwg E7003 lists a tier 22 rating for the lids.
A13	The concrete vaults and junction boxes shall be to CoV standards. The standard of acceptance for the units is as follows: <ul style="list-style-type: none"> • Standard of acceptance for junction boxes: Synertech Model No. 2436 with Tier 22 lid cover labelled with CoV logo. • Standard of acceptance for concrete vaults: Fraserway Precast 1.5m DWG# SV 1.5 C-DT-R Concrete Vault with lid cover labelled with the CoV logo, or approved alternative.