

## QUESTIONS AND ANSWERS RECEIVED DURING THE TENDER PERIOD, January 26, 2016

Solicitation No. - N° de l'invitation  
EQ754-161832/A

Buyer ID - Id de l'acheteur  
pwl030

Client Ref. No. - N° de réf. du client  
R.045174.301

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### Question 1.

Bid Form Unit Price Table Item 18: Historic – Replacement Stone: Replace stone. Adequately shore any adjacent stones. (Repair DS) 15 Square Meter

Is the unit price for stone replacement for stones in Zone 1, 2, 3 or Zone 4 and 5? The cost of replacement is different. For example, if the stone replacement is in Zone 1, as all stones in Zone 1 need to be dismantled and reinstalled, the cost of dismantle and reinstallation is already included in lump sum price table. The unit price table is only new stone material cost. Versus if the stone replacement is in Zone 5, then the unit price table has to include both stone dismantling, reinstallation cost and new stone material cost.

So shall the bidders include the labor cost of removal and installation of new stones in the Unit Price Table Item 18?

#### Response:

A list of Dressed Stone (DS) and a revised UNIT PRICE TABLE (UPT) will be issued by Addenda which will include the Price per Unit (PU) of ten (10) typical dimensioned stone types found on the GoCB Windsor for 04 03 42 – Historic – Replacement Stone; 04 43 23 - Quarried Stone and 04 43 26 Cut and Carved Stone as well as the Estimated Quantities (EQ). Contractors shall refer to the UNIT PRICE TABLE, latest revision included in the Bid and Acceptance Form (BA) latest revision for the Estimated Quantity (EQ) of all Class of Labour, Plant or Material that has been determined from the Construction Documents.

The locations of replacement stone has not been determined by Zone however, the Bidder may accept that no DS replacement stone will be required in Zone 4 or Zone 5 and the Work and the final Quantity of DS replacement stone will only be required in Zones 1, 2 and 3 which will be measured by the Departmental Representative and will be paid for under the payment items indicated.

### Question 2.

Bid Form Unit Price Table Item 18: Historic – Replacement Stone: Replace stone. Adequately shore any adjacent stones. (Repair DS) 15 Square Meter

As bond stones are much thicker than other wall stone, unit price for stone replacement is different. We need to know how the unit price table of 15 square meter stone replacement is based on. Are there any bond stones required for replacement?

#### Response:

A list of Dressed Stone (DS) and a revised UNIT PRICE TABLE (UPT) will be issued by Addenda which include the Price per Unit (PU) of dimensioned stone types found on the GoCB Windsor for 04 03 42 – Historic – Replacement Stone; 04 43 23 - Quarried Stone and 04 43 26 Cut and Carved Stone as well as the Estimated Quantities (EQ). The location and quantities of bonded stone which are understood to be 300mm to 350mm deep have been determined from the original drawings and have not been confirmed therefore it is not known at this time if any bonded stone will require replacement. The final Quantity will be measured by the Departmental Representative and if a Dressed Stone type such as a thicker bonded stone is determined to require replacement then the cost of this will be paid for under the terms of the Contract.

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### Question 3.

Regarding reinstatement of existing window aluminum flashing at header, sill, jambs, these flashings are not salvageable for reuse when the stones are dismantled. Shall the cost of replacement for new aluminum flashings be included in base bid?

#### Response:

The Bidder shall include the cost of replacing the existing window flashings and panning at the windows where the stone is dismantled on GL 1 between D & F and on GL F between 1 and 2 with new prefinished flashing in accordance with the specifications and drawings.

### Question 4.

Drawing A0.01, and A4.11, A4.12, A4.13, A4.14 Repair Schedule has two SR legend. SR: "Stone Replacement Repair", and SR: "Sealant Repointing"

Shall these two different work have different legend?

#### Response:

"SR" Sealant Replacement as a term in the legend shall refer to the 'skyward' or horizontal facing mortar joints as well as the perimeter joint sealants between dis-similar materials indicated in the plan, section and detail drawings. We believe that the extent of Stone Replacement is indicated adequately on the plans, sections and details.

### Question 5.

Drawing A0.01, and A4.11, A4.12, A4.13, A4.14 Repair Schedule SR: Sealant Repointing "Apply wherever joints locate on flat surfaces, adjacent to existing windows 1. Rake out existing deteriorated and adhered mortar from stone to sound mortar without chipping, altering or damaging existing masonry

2. Clean out voids, debris, cavities encounter
3. Apply sealant in continuous beads..."

### Question a)

Can you illustrate on a sketch or picture where and how far for the mortar joint to be replaced with sealant joint? Do all windows in all work area (Zone 1 to Zone 5 area) need to have adjacent stone mortar joint replaced with sealant?

#### Response:

"SR" Sealant Replacement shall be required at all 'skyward' or horizontal facing mortar joints as well as the perimeter joint sealants between dis-similar materials in Zone 1, 2 and 3 only. Bidders shall refer to details including but not restricted to 1/A6.02 to 4/A6.02 which indicate the joint sealant requirements at the re-instated roof coping as well as at the window sill, transoms and extended base sill in these zones. The scope of work for the replacement of perimeter sealant between window frame and stone shall be restricted to the windows on Grid Line F between GL 1 and 2; and Grid Line 1 between GL D & F. Where localized stone jamb repairs occur adjacent to existing window frames, the window sealant at that location shall be re-instated.

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Question b).

Do windows perimeter sealants (between aluminum and stone) need to be replaced for all windows in Zone 5 or existing windows perimeter sealant remain in Zone 5?

Response:

The scope of work for the replacement of perimeter sealant between window frame and stone shall be restricted to the windows on Grid Line F between GL 1 and 2; and Grid Line 1 between GL D & F. Where localized stone jamb repairs occur adjacent to existing window frames, the window sealant at that location shall be re-instated.

Question 6.

Drawing Repair Legend Zone 5: "Area indicates repointing all existing vertical and horizontal joint in Tyndall limestone"

Bid form Unit Price Table Item #2: Historic - Masonry Repointing: Rake out and repoint mortar joints, including raking out, backpointing and finish pointing. (Repairs SL3, SL2 and SL1) [Quantity represents sum of all SL3, SL2 and SL1 repairs] 2,100 linear meters.

Question a)

Is Unit Price Table Item #2 Quantity 2,100 linear meter equal to all stone mortar joint repointing quantity required in Zone 5?

Response:

The Estimated Quantity (EQ) referred to in the UNIT PRICE TABLE, latest revision included in the Bid and Acceptance Form (BA) latest revision for Item No. 2: 04 03 07 Historic - Masonry Repointing represents the sum of all repointing repairs in Zone 5 for all Class of Labour, Plant or Material required under this Contract. The Estimated Quantities (EQ) indicated in the Unit Price Table have been determined from the Construction Documents but the Work will be measured by the Departmental Representative and will be paid for under the payment items indicated. The Contractor shall refer to Contract Documents and Specification Sections including but not restricted to: 04 03 07 – Historic – Masonry Repointing; 04 03 41 – Historic – Repairing Stone; 04 03 42 – Historic – Replacing Stone; 04 03 43 – Historic – Dismantling Stone Masonry to determine where pointing Work will be paid for on a Lump Sum basis in accordance with the Contract.

Question b)

What is the depth of repointing this unit price is based on? How many is 25mm depth repointing, how many is 50mm or 75mm, 100mm depth repointing? If required depth of repointing varies, can it be separated to different line items with quantity?

Response

Bidders shall refer to Detail 2/A6.01 – Mortar Repointing (MR) for the depth of raking and repointing under this Work.

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### Question 7.

Specification Section 040307 "Historic- Masonry Repointing" Item 1.3.1:

- .1 Raking: removal of loose/deteriorated mortar to a depth suitable for repointing until sound mortar, and/or 2x joint thickness and/or a specified mm depth is reached.
- .2 Repointing: filling and finishing of masonry joints from which mortar is missing, has been raked out or has been omitted.
- .3 Backpointing: filling of masonry joints for the depth from which mortar has been raked out to a point 25 mm from the stone face.
- .4 Finishpointing: filling and finishing of masonry joints from which mortar has been raked out, for a depth of 25 mm.

What quantity of repointing just requires face repointing, what quantity repointing requires back pointing. When back pointing is required, what is quantity of each depth 2", 3", 4" as basis of pricing?

#### Response:

Bidders shall refer to Detail 2/A6.01 – Mortar Repointing (MR) for the depth of raking and repointing expected for the Work in Zone 5. The Estimated Quantity (EQ) referred to in the UNIT PRICE TABLE, latest revision included in the Bid and Acceptance Form (BA) latest revision for Item No. 2: 04 03 07 Historic - Masonry Repointing represents the sum of all repointing repairs as per Detail 2/A6.01 – Mortar Repointing in Zone 5 for all Class of Labour, Plant or Material required under this Contract. It is undetermined the extent of, and whether backpointing is required under this Work and if it is required, shall be agreed to by the Departmental Representative in accordance with the General Conditions.

### Question 8.

The "Addendum 01 date 2015-12-21" published on 2016-01-22 (attached) shows Replacement Stone Repairs DS types from DS1 to DS10. The "Appendix 1-Combined Price Form", "Unit Price Table Revision 1", "Item 18" shows 18 S.M. of Replacement Stone Repairs DS. – But some stone replacement such as DS5 and DS6 cannot be charged per square meter; also other types such as fluted stone DS3 and DS4 have different charge per square meter than face stone DS1 or DS2. Can we have a specified number for each replacement stone type DS1 to DS10 on Unit Price Table?

#### Response:

A list of Dressed Stone (DS) and a revised UNIT PRICE TABLE (UPT) will be issued by Addenda which will include the Price per Unit (PU) of ten (10) typical dimensioned stone types found on the GoCB Windsor for 04 03 42 – Historic – Replacement Stone; 04 43 23 - Quarried Stone and 04 43 26 Cut and Carved Stone as well as the Estimated Quantities (EQ). Contractors shall refer to the UNIT PRICE TABLE, latest revision included in the Bid and Acceptance Form (BA) latest revision for the Estimated Quantity (EQ) of all Class of Labour, Plant or Material that has been determined from the Construction Documents.

### Question 9.

On "Appendix 1-Combined Price Form", "Unit Price Table Revision 1", "Item 2" – Please clarify the masonry repointing repairs SL3, SL2 and SL1; and what's the difference between them of these three repointing repairs?

#### Response:

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As noted in Question Set 4; Q&R 1: Contractors shall delete reference to SL1, SL2 and SL3 in the UNIT PRICE TABLE Item 2 Historic – Masonry Repointing. The Estimated Quantity (ES) shall be as noted and all re-pointing shall be as per the Contract Documents and Specifications. Bidders shall also refer to Question Set 4; Q&A 2 for clarification on the SL3, SL2 and SL1 repointing repairs.