



# City of Richmond

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Richmond, BC V6Y 2C1  
[www.richmond.ca](http://www.richmond.ca)

January 17, 2014  
File: 10-6340-20-P.14201/Vol 01

**Engineering and Public Works**  
Telephone: 604-276-4067  
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TO THOSE WHO HAVE RECEIVED COPIES OF T.5086

**Attention: To All Tenderers**

Dear Sir/Madame:

**Re: Contract T.5086 – 2014 Asphaltic Concrete Paving - Addendum Two**

This addendum forms part of the Contract Documents and shall be read, interpreted and coordinated with all other parts. The costs of all work contained herein shall be included in the Contract Price. The following revisions supersede the information contained in the original Contract Document to the extent referenced and shall become part thereof.

**I. Noted Revisions and a web link to City's Quality Control Program:**

Replace the issued tender pages D-15 to D-20 with the enclosed "REVISED" pages D-15 to D-20.

The City's Quality Control Program may be downloaded from the link provided:  
[http://www.richmond.ca/\\_\\_shared/assets/AmendmentstoQualityControl31957.pdf](http://www.richmond.ca/__shared/assets/AmendmentstoQualityControl31957.pdf)

**End of Addendum Two**

Regards,

Wasim Memon  
*Contract Administrator*

WM:wm

pc: Milton Chan  
Manager, Engineering Design & Construction  
Julia Turick  
*Buyer 2*

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## MEASUREMENT OF AND PAYMENT FOR WORK

### GENERAL

Any work called for in the Specifications or shown or implied on the drawings or necessary for the completion of the work called for in the specifications, which is not specifically listed as a separate item in the Schedule, will be deemed incidental to the general purpose of the Contract and no separate payment will be made on account of any such work, but the cost of any such work will be included in the tendered unit prices or lump sum prices for the various items of work appearing in the Schedule.

#### Item 1 – Upper Course #1

Payment for this item will be made at the unit price tendered per tonne (TNN).

The unit price tendered shall include supply, delivery, placing, compacting the asphalt and traffic control all in conformance with Sections 321216 and 01570 of the MMCD Volume II (Platinum 2009). Measurement will be as per 1.5 of Section 321216.

#### Item 2 – Upper Course #2

Payment for this item will be made at the unit price tendered per tonne.

The unit price tendered shall include the supply, deliver, placing, compacting the asphalt and traffic control all in conformance with Sections 321216 and 01570 of the MMCD Volume II (2009 Edition). Measurement will be as per 1.5 of Section 321216

#### Item 3 – Warm Mix Asphalt

Payment for this item will be made at the unit price tendered per tonne.

The unit price tendered shall include the supply, deliver, placing, compacting the asphalt and traffic control all in conformance with Sections 321216 and 01570 of the MMCD Volume II (2009 Edition). Measurement will be as per 1.5 of Section 321216

#### Item 4 – Super Pave™ MIX

Payment for this item will be made at the unit price tendered per tonne.

The unit price tendered shall include the supply, deliver, placing, compacting the asphalt and traffic control all in conformance with Sections 321217 and 01570 of the MMCD Volume II (2009 Edition). Measurement will be as per 1.5 of Section 321217

**Item 5 – Level Course Mix**

Payment for this item will be made at the unit price tendered per tonne.

The Unit price tendered shall include the supply, delivery, placement of the asphalt and traffic control all in conformance with Sections 321216 and 01570 of the MMCD Volume II (2009 Edition).

**Item 6 – Machine Laid Asphalt, Less than 1000 Sq.m**

Payment for this item will be made at the unit price tendered per Square meter.

The Unit price tendered shall include the supply, delivery, placement of 40 mm compacted thickness of asphalt, including traffic control, all in conformance with Sections 321216 and 01570 of the MMCD Volume II (2009 Edition).

**Item 7 – Machine Laid Asphalt, Less than 5000 Sq.m**

Payment for this item will be made at the unit price tendered per Square meter.

The Unit price tendered shall include the supply, delivery, placement of 40 mm compacted thickness of asphalt, including traffic control, all in conformance with Sections 321216 and 01570 of the MMCD Volume II (2009 Edition).

**Item 8 – Tack Coat**

Payment for this item will be made at the unit price tendered per litre.

The unit price tendered shall include everything necessary to supply and install the tack coat and traffic control, all in conformance with Sections 321213.1 and 01570 of the MMCD Volume II (2009 Edition).

**Item 9 – Glass Grid**

Payment for this item will be made at the unit price tendered per Square meter.

The unit price tendered shall include the supply, delivery and installation of the glass grid all in conformance with the Manufacturer's recommendations. The unit price shall also include all traffic control as per Section 313219 of the MMCD Volume II (2009 Edition). Measurement will be by the actual square meter of glass grid installed and approved by City representatives.

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**Item 10 – Cold Milling greater than 500 Square meters**

Payment for this item will be made at the unit price tendered per square meter.

The unit price tendered is to include all trucking, offsite disposal and traffic control. All work shall be in conformance with Sections 02574 and 01570 of the MMCD Volume II (2009 Edition).

**Item 11 – Cold Milling less than 500 Square meters.**

Payment for this item will be made at the unit price tendered per square meter.

The unit price tendered shall include all trucking, offsite disposal and traffic control. All works performed shall be in conformance of Sections 320116.7 and 01570 of the MMCD Volume II (2009 Edition).

**Item 12 – Raise Manholes using Risers.**

Payment for this item will be made at the unit price tendered for each manhole raised.

The unit price tendered shall include the supply and installation of the extension to the manufacturer's recommendations.

**Item 13 – Adjust Manhole Frames**

Payment for this item will be made at the unit price tendered for each manhole frame adjusted.

The unit price tendered shall include all works necessary in order to break out the existing frame, adjust as required and all temporary asphalt required to ensure public and transportation safety. Price shall also include all traffic control as per Section 015500 of the MMCD Volume II (2009 Edition).

**Item 14 – Remove Pavement around Valve Boxes**

Payment for this item will be made at the unit price tendered for each valve box exposed.

The unit price tendered shall include all works necessary in order to break out the existing valve box, and any temporary asphalt required to ensure public and transportation safety. Price shall also include all traffic control as per Section 015500 of the MMCD Volume II (2009 Edition).

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**Item 15 – Adjust Valve Boxes to grade**

Payment for this item will be made at the unit price tendered for each valve box raised to grade.

The unit price shall include any temporary asphalt required to ensure public and transportation safety and all traffic control as per Section 015500 of the MMCD Volume II (2009 Edition).

**Item 16 – Overtime Rates for Saturday and Sunday Paving**

Payment for this item will be made at the unit price tendered per hour.

The unit price shall include the rate of pay for the crew for Saturday and Sunday paving requested by the City.

**Item 17 – Shift premium for paving between 8:00 PM and 7:00 AM. Monday through Friday**

Payment for this item will be made at the unit price tendered per hour.

The unit price shall include the rate of pay for the crew for paving between the hours noted requested by the City.

**Item 18 – Handwork**

Payment for this item will be made at the unit price tendered per tonne.

All intersections, driveway aprons and handwork involved with the normal paving of roads shall be paid for at the machine laid rate. All other handwork as required shall be paid for at the unit price bid for “handwork” in accordance with Section 321216 of the MMCD Volume II (2009 Edition).

**Item 19 – Remove and Replace Existing damaged/settled Concrete Curb and Gutter (Optional)**

Payment for this item will be made at the unit price tendered per lineal metre as shown on the Schedule of Quantities and Prices.

The unit price tendered shall include but not be limited to removal and disposal of old surface, survey layout, formwork, supply and placement of concrete/asphalt/gravel and all other labour and materials required to install the curb and gutter to the grade, dimensions and limits determined in the field by the representative of the Contract Administrator.

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The quantity noted in Appendix 1 – Schedule of Quantities and Prices is intended for bid comparison purposes only. The actual quantity implemented through the course of the work may vary considerably and may not be required at all.

**Item 20 – Remove and Replace Existing damaged/settled sidewalk (Optional)**

Payment for this item will be made at the unit price tendered per square metre of sidewalk surface as specified in the Schedule of Quantities and Prices.

Width measurement will be the actual width of sidewalk surface constructed as identified by the Contract Administrator

The quantity noted in Appendix 1 – Schedule of Quantities and Prices is intended for bid comparison purposes only. The actual quantity implemented through the course of the work may vary considerably and may not be required at all.

The unit price tendered shall include but not be limited to removal and disposal of old surface, survey layout, formwork, supply and placement of concrete/asphalt/gravel and all other labour and materials required to install the sidewalk to the grade, dimensions and limits determined in the field by the representative of the Contract Administrator.

**Item 21 – Install side inlet Catch Basin tops (supplied by the City)**

Payment for this item will be made at the unit price tendered for each installed assembly. Please see shop drawings number on page G-3.

**Item 22 – Pavement Preheater**

Payment for this item will be made at the unit price tendered per hour usage of the preheater. For reference on specifications, please follow the link:

<http://www.ecopavesystems.com/equipment/spec.htm> (Preheater section only).

The quantity noted in Appendix 1 – Schedule of Quantities and Prices is intended for bid comparison purposes only. The actual quantity implemented through the course of the work may vary considerably and may not be required at all.