



THE CITY OF WINNIPEG

BID OPPORTUNITY

BID OPPORTUNITY NO. 452-2008

**MAINTENANCE OF CONCRETE PAVEMENT (JOINT AND CRACK SEALING) –
CONTRACT #2**

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 MAINTENANCE OF CONCRETE PAVEMENT (JOINT AND CRACK SEALING) – CONTRACT #2

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 12:00 noon Winnipeg time, June 20, 2008.

B2.2 Bids determined by the Manager of Materials to have been received later than the Submission Deadline will not be accepted and will be returned upon request.

B2.3 The Contract Administrator or the Manager of Materials may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

B3. ENQUIRIES

B3.1 All enquiries shall be directed to the Contract Administrator identified in D3.1.

B3.2 If the Bidder finds errors, discrepancies or omissions in the Bid Opportunity, or is unsure of the meaning or intent of any provision therein, the Bidder shall notify the Contract Administrator of the error, discrepancy or omission, or request a clarification as to the meaning or intent of the provision at least five (5) Business Days prior to the Submission Deadline.

B3.3 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator to all Bidders by issuing an addendum.

B3.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator only to the Bidder who made the enquiry.

B3.5 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B3 unless that response or interpretation is provided by the Contract Administrator in writing.

B4. ADDENDA

B4.1 The Contract Administrator may, at any time prior to the Submission Deadline, issue addenda correcting errors, discrepancies or omissions in the Bid Opportunity, or clarifying the meaning or intent of any provision therein.

B4.2 The Contract Administrator will issue each addendum at least two (2) Business Days prior to the Submission Deadline, or provide at least two (2) Business Days by extending the Submission Deadline.

B4.2.1 Addenda will be available on the Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.

B4.2.2 The Bidder is responsible for ensuring that he has received all addenda and is advised to check the Materials Management Branch internet site for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.

B4.2.3 The Bidder shall acknowledge receipt of each addendum in Paragraph 8 of Form A: Bid. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.

B5. SUBSTITUTES

- B5.1 The Work is based on the Plant, Materials and methods specified in the Bid Opportunity.
- B5.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B5.3 Requests for approval of a substitute will not be considered unless received in writing by the Contract Administrator at least five (5) Business Days prior to the Submission Deadline.
- B5.4 The Bidder shall ensure that any and all requests for approval of a substitute:
- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the Plant, Material or method as either an approved equal or alternative;
 - (b) identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
 - (c) identify any anticipated cost or time savings that may be associated with the substitute;
 - (d) certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance;
 - (e) certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance.
- B5.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his sole discretion grant approval for the use of a substitute as an “approved equal” or as an “approved alternative”, or may refuse to grant approval of the substitute.
- B5.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, only to the Bidder who requested approval of the substitute.
- B5.6.1 The Bidder requesting and obtaining the approval of a substitute shall be entirely responsible for disseminating information regarding the approval to any person or persons he wishes to inform.
- B5.7 If the Contract Administrator approves a substitute as an “approved equal”, any Bidder may use the approved equal in place of the specified item.
- B5.8 If the Contract Administrator approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative may base his Total Bid Price upon the specified item but may also indicate an alternative price based upon the approved alternative. Such alternatives will be evaluated in accordance with B13.
- B5.9 No later claim by the Contractor for an addition to the Total Bid Price because of any other changes in the Work necessitated by the use of an approved equal or an approved alternative will be considered.

B6. BID COMPONENTS

- B6.1 The Bid shall consist of the following components:
- (a) Form A: Bid;
 - (b) Form B: Prices.

- B6.2 Further to B6.1, the Bidder should include the written correspondence from the Contract Administrator approving a substitute in accordance with B5.
- B6.3 All components of the Bid shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely, to constitute a responsive Bid.
- B6.4 The Bid shall be submitted enclosed and sealed in an envelope clearly marked with the Bid Opportunity number and the Bidder's name and address.
- B6.4.1 Samples or other components of the Bid which cannot reasonably be enclosed in the envelope may be packaged separately, but shall be clearly marked with the Bid Opportunity number, the Bidder's name and address, and an indication that the contents are part of the Bidder's Bid.
- B6.5 Bidders are advised not to include any information/literature except as requested in accordance with B6.1.
- B6.6 Bidders are advised that inclusion of terms and conditions inconsistent with the Bid Opportunity document, including the General Conditions, may result in the Bid being determined to be non-responsive.
- B6.7 Bids submitted by facsimile transmission (fax) or internet electronic mail (e-mail) will not be accepted.
- B6.8 Bids shall be submitted to:
The City of Winnipeg
Corporate Finance Department
Materials Management Branch
185 King Street, Main Floor
Winnipeg MB R3B 1J1

B7. BID

- B7.1 The Bidder shall complete Form A: Bid, making all required entries.
- B7.2 Paragraph 2 of Form A: Bid shall be completed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his own name, his name shall be inserted;
 - (b) if the Bidder is a partnership, the full name of the partnership shall be inserted;
 - (c) if the Bidder is a corporation, the full name of the corporation shall be inserted;
 - (d) if the Bidder is carrying on business under a name other than his own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.
- B7.2.1 If a Bid is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B7.2.
- B7.3 In Paragraph 3 of Form A: Bid, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Bid.
- B7.4 Paragraph 10 of Form A: Bid shall be signed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his own name, it shall be signed by the Bidder;
 - (b) if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
 - (c) if the Bidder is a corporation, it shall be signed by its duly authorized officer or officers;

- (d) if the Bidder is carrying on business under a name other than his own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.

B7.4.1 The name and official capacity of all individuals signing Form A: Bid shall be printed below such signatures.

B7.4.2 All signatures shall be original.

B7.5 If a Bid is submitted jointly by two or more persons, the word "Bidder" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Bidders in the Bid and the Contract, when awarded, shall be both joint and several.

B8. PRICES

B8.1 The Bidder shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.

B8.2 The quantities listed on Form B: Prices are to be considered approximate only. The City will use said quantities for the purpose of comparing Bids.

B8.3 The quantities for which payment will be made to the Contractor are to be determined by the Work actually performed and completed by the Contractor, to be measured as specified in the applicable Specifications.

B9. QUALIFICATION

B9.1 The Bidder shall:

- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba; and
- (b) be financially capable of carrying out the terms of the Contract; and
- (c) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract.

B9.2 The Bidder and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- (a) be responsible and not be suspended, debarred or in default of any obligations to the City (a list of suspended or debarred individuals and companies is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>).

B9.3 The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- (a) have successfully carried out work similar in nature, scope and value to the Work; and
- (b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract; and
- (c) have a written workplace safety and health program if required pursuant to The Workplace Safety and Health Act (Manitoba).

B9.4 Further to B9.3(c), the Bidder shall, within three (3) Business Days of a request by the Contract Administrator, provide proof satisfactory to the Contract Administrator that the Bidder/Subcontractors has a workplace safety and health program meeting the requirements of The Workplace Safety and Health Act (Manitoba), by providing:

- (a) a valid COR certification number under the Certificate of Recognition (COR) Program administered by the Manitoba Construction Safety Association or by the Manitoba Heavy Construction Association's Safety, Health and Environment Program; or

- (b) a report or letter to that effect from an independent reviewer acceptable to the City. (A list of acceptable reviewers and the review template are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.)

B9.5 The Bidder shall submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.

B9.6 The Bidder shall provide, on the request of the Contract Administrator, full access to any of the Bidder's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

B10. OPENING OF BIDS AND RELEASE OF INFORMATION

B10.1 Bids will be opened publicly, after the Submission Deadline has elapsed, in the office of the Corporate Finance Department, Materials Management Branch, or in such other office as may be designated by the Manager of Materials.

B10.1.1 Bidders or their representatives may attend.

B10.2 Following the submission deadline, the names of the Bidders and their Total Bid Prices (unevaluated, and pending review and verification of conformance with requirements) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.

B10.3 After award of Contract, the name(s) of the successful Bidder(s) and the Contract Amount(s) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.

B10.4 The Bidder is advised that any information contained in any Bid may be released if required by City policy or procedures, by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law.

B11. IRREVOCABLE BID

B11.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Bid.

B11.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work for the time period specified in Paragraph 9 of Form A: Bid.

B12. WITHDRAWAL OF BIDS

B12.1 A Bidder may withdraw his Bid without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.

B12.1.1 Notwithstanding C23.3, the time and date of receipt of any notice withdrawing a Bid shall be the time and date of receipt as determined by the Manager of Materials.

B12.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Bid or the Bidder's authorized representatives named in Paragraph 10 of Form A: Bid, and only such person, has authority to give notice of withdrawal.

B12.1.3 If a Bidder gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials will:

- (a) retain the Bid until after the Submission Deadline has elapsed;

- (b) open the Bid to identify the contact person named in Paragraph 3 of Form A: Bid and the Bidder's authorized representatives named in Paragraph 10 of Form A: Bid; and
- (c) if the notice has been given by any one of the persons specified in B12.1.3(b), declare the Bid withdrawn.

B12.2 A Bidder who withdraws his Bid after the Submission Deadline but before his Bid has been released or has lapsed as provided for in B11.2 shall be liable for such damages as are imposed upon the Bidder by law and subject to such sanctions as the Chief Administrative Officer considers appropriate in the circumstances. The City, in such event, shall be entitled to all rights and remedies available to it at law.

B13. EVALUATION OF BIDS

B13.1 Award of the Contract shall be based on the following bid evaluation criteria:

- (a) compliance by the Bidder with the requirements of the Bid Opportunity (pass/fail);
- (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B9 (pass/fail);
- (c) Total Bid Price;
- (d) economic analysis of any approved alternative pursuant to B5.

B13.2 Further to B13.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Bid, or waive technical requirements or minor informalities or irregularities, if the interests of the City so require.

B13.3 Further to B13.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his Bid or in other information required to be submitted, that he is responsible and qualified.

B13.4 Further to B13.1(c), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices.

B13.4.1 If there is any discrepancy between the Total Bid Price written in figures, the Total Bid Price written in words and the sum of the quantities multiplied by the unit prices for each item, the sum of the quantities multiplied by the unit prices for each item shall take precedence.

B13.4.2 Further to B13.1(a), in the event that a unit price is not provided on Form B: Prices, the City will determine the unit price by dividing the Amount (extended price) by the approximate quantity, for the purposes of evaluation and payment.

AWARD OF CONTRACT

B14.1 The City will give notice of the award of the Contract or will give notice that no award will be made.

B14.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and the Bids are determined to be responsive.

B14.2.1 Without limiting the generality of B14.2, the City will have no obligation to award a Contract where:

- (a) the prices exceed the available City funds for the Work;
- (b) the prices are materially in excess of the prices received for similar work in the past;
- (c) the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with its own forces;
- (d) only one Bid is received; or

(e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.

B14.3 Subject to B14.2, where an award of Contract is made by the City, the award shall be made to the responsible and qualified Bidder submitting the lowest evaluated responsive Bid.

B14.3.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of his Bid upon written request to the Contract Administrator.

B14.4 Notwithstanding C4, the City will issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.

B14.5 The Contract, as defined in C1.1, in its entirety shall be deemed to be incorporated in and to form a part of the Purchase Order notwithstanding that it is not necessarily attached to or accompany said Purchase Order.

PART C - GENERAL CONDITIONS

C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for Construction* (Revision 2006 12 15) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for Construction* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.
- C0.2 A reference in the Bid Opportunity to a section, clause or subclause with the prefix “**C**” designates a section, clause or subclause in the *General Conditions for Construction*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

D1.1 In addition to the *General Conditions for Construction*, these Supplemental Conditions are applicable to the Work of the Contract.

D2. SCOPE OF WORK

D2.1 The Work to be done under the Contract shall consist of joint and crack sealing of designated concrete street pavements in the City of Winnipeg.

D2.2 The major components of the Work are as follows:

- (a) Cleaning existing joints and cracks in the pavement of identified streets;
- (b) Routing and sealing cracks in the pavement of identified streets;
- (c) Application of approved joint sealant.

D3. CONTRACT ADMINISTRATOR

D3.1 The Contract Administrator is:

Ken Boyd, P.Eng.
Support Services Engineer
Streets Maintenance Division
104-1155 Pacific Avenue

Telephone No. (204) 986-5076

Facsimile No. (204) 986-5566

D3.2 At the pre-construction meeting, the Contract Administrator will identify additional personnel representing the Contract Administrator and their respective roles and responsibilities for the Work.

D4. CONTRACTOR'S SUPERVISOR

D4.1 At the pre-construction meeting, the Contractor shall identify his designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.

D5. NOTICES

D5.1 Except as provided for in C23.2.2, all notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the Contractor shall be sent to the address or facsimile number identified by the Contractor in Paragraph 2 of Form A: Bid.

D5.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D5.3, D5.4 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator at the address or facsimile number identified in D3.1.

D5.3 All notices of appeal to the Chief Administrative Officer shall be sent to the following address or facsimile number:

The City of Winnipeg
Chief Administrative Officer Secretariat
Attn: Chief Administrative Officer

Administration Building, 3rd Floor
510 Main Street
Winnipeg MB R3B 1B9
Facsimile No.: (204) 949-1174

- D5.4 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications required to be submitted or returned to the City Solicitor shall be sent to the following address or facsimile number:

The City of Winnipeg
Corporate Services Department
Legal Services Division
Attn: City Solicitor
185 King Street, 3rd Floor
Winnipeg MB R3B 1J1
Facsimile No.: (204) 947-9155

SUBMISSIONS

D6. AUTHORITY TO CARRY ON BUSINESS

- D6.1 The Contractor shall be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Contractor does not carry on business in Manitoba, in the jurisdiction where the Contractor does carry on business, throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

D7. SAFE WORK PLAN

- D7.1 The Contractor shall provide the Contract Administrator with a Safe Work Plan at least five (5) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in C4.1 for the return of the executed Contract.
- D7.2 The Safe Work Plan should be prepared and submitted in the format shown in the City's template which is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.

D8. INSURANCE

- D8.1 The Contractor shall provide and maintain the following insurance coverage:
- (a) commercial general liability insurance, in the amount of at least two million dollars (\$2,000,000.00) inclusive, with The City of Winnipeg added as an additional insured, with a cross-liability clause, such liability policy to also contain contractual liability, unlicensed motor vehicle liability, non-owned automobile liability and products and completed operations, to remain in place at all times during the performance of the Work and throughout the warranty period;
 - (b) automobile liability insurance for owned automobiles used for or in connection with the Work in the amount of at least two million dollars (\$2,000,000.00) at all times during the performance of the Work and until the date of Total Performance;
 - (c) an all risks Installation Floater carrying adequate limits to cover all machinery, equipment, supplies and/or materials intended to enter into and form part of any installation.
- D8.2 Deductibles shall be borne by the Contractor.

- D8.3 The Contractor shall provide the Contract Administrator with a certificate(s) of insurance, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Work but in no event later than seven (7) Calendar Days from notification of the award of Contract by Purchase Order.
- D8.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least fifteen (15) Calendar Days prior written notice to the Contract Administrator.

SCHEDULE OF WORK

D9. COMMENCEMENT

- D9.1 The Contractor shall not commence any Work until he is in receipt of a Purchase Order from the Award Authority authorizing the commencement of the Work.
- D9.2 The Contractor shall not commence any Work on the Site until:
- (a) the Contract Administrator has confirmed receipt and approval of:
 - (i) evidence of authority to carry on business specified in D6;
 - (ii) evidence of the workers compensation coverage specified in C6.15;
 - (iii) the Safe Work Plan specified in D7;
 - (iv) evidence of the insurance specified in D8;
 - (b) the Contractor has attended a pre-construction meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a pre-construction meeting.
- D9.3 The Contractor shall commence the Work on the Site within seven (7) Working Days of receipt of the Purchase Order.

D10. TOTAL PERFORMANCE

- D10.1 The Contractor shall achieve Total Performance within forty (40) consecutive Working Days of the commencement of the Work as specified in D9.
- D10.2 When the Contractor or the Contract Administrator considers the Work to be totally performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Total Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be reinspected.
- D10.3 The date on which the Work has been certified by the Contract Administrator as being totally performed to the requirements of the Contract through the issue of a certificate of Total Performance is the date on which Total Performance has been achieved.

D11. LIQUIDATED DAMAGES

- D11.1 If the Contractor fails to achieve Total Performance in accordance with the Contract by the day fixed herein for Total Performance, the Contractor shall pay the City four hundred dollars (\$400) per Working Day for each and every Working Day following the day fixed herein for Total Performance during which such failure continues.
- D11.2 The amount specified for liquidated damages in D11.1 is based on a genuine pre-estimate of the City's damages in the event that the Contractor does not achieve Total Performance by the day fixed herein for same.
- D11.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

CONTROL OF WORK

D12. JOB MEETINGS

- D12.1 Regular weekly job meetings will be held at the Site. These meetings shall be attended by a minimum of one representative of the Contract Administrator, one representative of the City and one representative of the Contractor. Each representative shall be a responsible person capable of expressing the position of the Contract Administrator, the City and the Contractor respectively on any matter discussed at the meeting including the Work schedule and the need to make any revisions to the Work schedule. The progress of the Work will be reviewed at each of these meetings.
- D12.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he deems it necessary.

D13. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

- D13.1 Further to C6.24, the Contractor shall be the Prime Contractor and shall serve as, and have the duties of the Prime Contractor in accordance with The Workplace Safety and Health Act (Manitoba).

MEASUREMENT AND PAYMENT

D14. PAYMENT

- D14.1 Further to C12, effective January 1, 2007 the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

D15. PAYMENT SCHEDULE

- D15.1 Further to C12, payment shall be in accordance with the following payment schedule:
- (a) After fifteen (15) consecutive working days;
 - (b) After thirty (30) consecutive working days;
 - (c) After total performance.

D16. MEASUREMENT

- D16.1 Further to Division 4 – CW3250 – R6, crack cleaning and sealing of previously sealed routed cracks in existing Portland Cement pavements will be paid for at the contract unit price per metre for crack routing and sealing (2mm to 10mm). The length to be paid for shall be the number of metres of previously routed cracks cleaned and sealed in accordance with this specification.

WARRANTY

D17. WARRANTY

- D17.1 Notwithstanding C13.2, the warranty period shall begin on the date of Total Performance and shall expire one (1) year thereafter unless extended pursuant to C13.2.1 or C13.2.2, in which case it shall expire when provided for thereunder.

PART E - SPECIFICATIONS

GENERAL

E1. APPLICABLE SPECIFICATIONS

- E1.1 These Specifications shall apply to the Work.
- E1.2 *The City of Winnipeg Standard Construction Specifications* in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.2.1 *The City of Winnipeg Standard Construction Specifications* is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.
- E1.2.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- E1.2.3 Further to C2.4(d), Specifications included in the Bid Opportunity shall govern over *The City of Winnipeg Standard Construction Specifications*.

E2. JOINT AND CRACK SEALING OF PREVIOUSLY SEALED CONCRETE STREETS

- E2.1 Further to Division 4 CW3250 – R6, for previously sealed concrete pavements the Contractor shall remove all existing sealants, dirt and foreign material to a minimum depth of 25 mm below the pavement surface, using a joint plow specifically designed and operated to avoid chipping, cracking and spalling of the vertical walls of the joint and previously routed random crack reservoirs.
- E2.2 A joint cleaning saw shall be used to clean the vertical walls of the joints and previously routed random cracks prior to sealing. The saw shall be specifically designed to dress and remove all adhered laitance or residue. The saw shall be an upcut system and shall use replaceable fibre abrasive blades.
- E2.3 After the vertical wall of the joint is dressed all loose chips or spalls of concrete and pieces of stone shall be removed along the edge of the joint. A loose chip shall be defined as a piece that can be easily removed by hand or a piece that is identified by a crack and requires prying to remove.
- E2.4 Further to E2.3 the Contractor may be required to sandblast the area of concrete under the chips or spalls before sealing in an identified test area. The sandblasting operation shall be paid for as an extra work order.

E3. JOINT AND CRACK SEALING OF CONCRETE STREETS

- E3.1 Further to Division 4 CW3250-R6, for concrete pavements the Contractor may, place joint sealant 2 millimetres to 4 millimetres above the surface to provide a band-aid seal over the joint or crack. Upon completion, the sealant will overlap either side of the joint or crack by a minimum of 25 millimetres.
- E3.2 On Regional Streets where backer rod is used, the band-aid seal method will not be allowed, and the level pour method shall be used.

E4. BACKER ROD

- E4.1 Backer rod shall be installed in the joints prior to sealing on Warde Avenue from Dakota Street to St. Anne's Road, Kenaston Blvd. southbound and northbound from Taylor to McGillivray, Pioneer Avenue from Provencher Blvd. to Westbrook, Water Avenue from Waterfront Drive to Provencher Bridge, Moray Street from Ness Avenue to #476 Moray Street in accordance with CW3310 – R12.

E5. CLEAN-UP

- E5.1 Further to C 6.27 Clean-up and Final Cleaning of the Work, the Contractor will be required to carry out power sweeping operations of the Streets once the sealant has cured. In addition, the Contractor will be required to carry out power sweeping operations of the streets where spray type equipment (ie. AMZ machine, Road Patcher machine, etc.) is used in conjunction with emulsified asphalt and aggregates once the repair has cured. Streets to be cleaned will be determined by the Contract Administrator. Street cleaning operations will be considered as incidental to the Works included in this Specification.

E6. TEMPORARY “NO PARKING” SIGNS

- E6.1 The Contractor shall place “No Parking” signs where required to facilitate the joint and crack sealing operation. The “No Parking” signs shall only indicate the words “No Parking” and the hours of the joint and crack sealing operation.
- E6.2 Where the Contractor is unable to work, due to inclement weather or any other work stoppage, all “No Parking” signs erected by the Contractor on all streets shall be removed immediately. The City may take down any signs that the Contractor has not removed. Any costs will be charged to the Contractor.

E7. TRAFFIC CONTROL

- E7.1 Further to Clauses 3.6 and 3.7 of CW 1130-R1, and in accordance with the Manual of Temporary Traffic Control in Work Areas on City Streets, the Contractor (“Agency” in the manual) will be responsible for the placement, maintenance and removal of devices to ensure a safe work site enclosure.
- E7.2 Further to Clause 3.7 of CW 1130-R1, the Contractor shall maintain a minimum of one lane of traffic at all times.
- E7.3 Further to Clause 2.06, of the Manual of Temporary Traffic Control in Work areas on City streets, Joint and Crack Sealing shall not be considered an emergency or long-term construction project; therefore, traffic lanes on Regional Streets may not be closed during peak traffic hours.

E8. LOCATIONS

- E8.1 The Contractor shall seal the following Regional and Local streets. The Regional streets that have an asterisk beside them are scheduled for partial and full depth concrete repairs or diamond grinding and shall be sealed after the repairs are complete:

- E8.1.1 Concrete Regional Streets
Warde Ave. (Dakota St. – St. Anne’s Rd.)
*Pembina Hwy. N/Bound (South City Limits – Bridge)
*Pembina Hwy. N/Bound (Bridge – Rue Des Trappistes)
Pembina Hwy. N/Bound (University Cres. – Bridge over Bishop Grandin)
Pembina Hwy. N/Bound (Bridge over Bishop Grandin – Asphalt N.of Bridge)
Pembina Hwy. S/Bound (Asphalt N.of Bridge – Bridge over Bishop Grandin)
Pembina Hwy. S/Bound (Bridge over Bishop Grandin – University Cres.)
*Kenaston Blvd. S/Bound & N/Bound (Taylor – McGillvray)
Moray St. S/Bound & N/Bound (Ness Ave. - #476 Moray St.)
Pioneer Ave. (Provencher Bridge - Asphalt West of Westbrook St.)
Includes Waterfront/Pioneer Intersection
Waterfront Dr. N/Bound & S/Bound (Pioneer Ave. – Asphalt North of Pioneer)
Water Ave. (Waterfront Dr. – Provencher Bridge)
Includes Waterfront/Pioneer Intersection
Westbrook St. N/Bound & S/Bound (Pioneer Ave. – Asphalt North of Pioneer)

- E8.1.2 Concrete Local Streets

North Area

Ashburn St. (#685 Ashburn St. – St. Matthews Ave.)
Denson Pl. (Wolever Ave. – Riddle Ave.)
Wolever Ave. (Denson Pl. – Lane West of Strathcona St.)
Spruce St. (#1307 Spruce St. – Richard Ave.)
Minto St. (Armoury Ave. – Ellice Ave.)
Dominion St. (Portage Ave. – Wolever Ave.)
Sherburn St. (Portage Ave. – Westminster Ave.)
Sherburn St. (Yarwood Ave. – Wellington Ave.)
Lipton St. (Wellington Ave. – Sargent Ave.)
Toronto St. (Ellice Ave. - #470 Toronto St.)
Ingersoll St. (Wellington Ave. – Notre Dame Ave.)
Lipton St. (Notre Dame Ave. – Ellice Ave.)
St. Matthews Ave. (Burnell St. – Dominion St.)
St. Matthews Ave. (Erin St. – Wall St.)
Ruby St. (Preston Ave. – Westminster Ave.)
Evanson St. (Westminster Ave. – Wolseley Ave.)
Palmerston Ave. (Aubrey St. – Garfield St.)
Preston Ave. (Walnut St. – Canora St.)
Picardy Ave. (Canora St. – Broadway)

East Area

Roch St. (Oakland Ave. – Mcleod Ave.)
Aspenwood Pl. (McKay Ave. – N.End)
St. Moritz Rd. (#105 St. Moritz – N.End)
Tomkins Bay (St. Moritz Rd. – St. Moritz Rd.)
Grey St. (Castle Ave. – Talbot Ave.)
Stadacona St. (Lane North of Talbot – Poplar Ave.)
McIntosh Ave. (Brazier St. – E.End)
Mighton Ave. (Henderson Hwy. – Brazier St.)
Harbison Ave. (Henderson Hwy. – Brazier St.)
Owen St. (Regent Ave. – Pandora Ave.)
George Lawrence Bay (Bournais Dr. – Bournais Dr.)
Camiel Sys St. (Plessis Rd. - #555 Camiel Sys St.)
Maginot St. (Lane West of Speers Rd. – Brunet Dr.)
Brunet Dr. (Maginot St. – Leonard Shakespeare Bay W.Leg)
Adelina Gregoire Pl. (Brunet Dr. – S.End)
Francois Muller Pl. (Brunet Dr. – S.End)
Jean Baptiste Lavoie Pl. (Brunet Dr. – S.End)
Drake Blvd. (Brunet Dr. – Hampshire Bay N.Leg)
Leonard Shakespeare Bay (Brunet Dr. – Brunet Dr.)
Eugenie St. (Braemar Ave. – Enfield Cres.)
Youville Ave. (Bertrand St. – N.End)
Georges Forest Pl. (Youville Ave. – E.End)
Willmington Dr. (Bridgeway Cres. – John Bruce Rd.)
John Bruce Rd. (Willmington Dr. – West End John Bruce Rd.)
Breland Bay (Willmington Dr. – Willmington Dr.) Recut randoms
Shorehill Dr. (Bridgeway Cres. – John Bruce Rd.)
Shorehill Dr. Service Rd. (#211- #259)
Wildfire Dr. (Shorehill Dr. – John Bruce Rd.)
Pambrun Pl. (Wildfire Dr. _ W.End)
Braswell Bay (Wildfire Dr. – Wildfire Dr.)
Bridgeway Cres. (Shorehill Dr. – John Bruce Rd.)
Lardon Ct. (John Bruce Rd. – End)
Rivergate Dr. (St. Mary's – W.End)
Aldgate Rd. (St. Anne's Rd. – Clerkenwell Bay E.Leg)
Aldgate Service Rd. (#706 - #742)
Aldgate Service Rd. (#754 - #792)

Aldgate Service Rd. (#796 - # 840)
Aldgate Service Rd. (#863 - #827)
Aldgate Service Rd. (#924 - #982)
Aldgate Service Rd. (#985 - #925)
Ravensden Dr. (Aldgate Rd. – Harding Cres.)
Ravensden Service Rd. (#2 - #50)
Harding Cres. (Aldgate Rd. – Ravensden Dr.)
Kamberwell Bay (Aldgate Rd. – Aldgate Rd.)
Clapham Cove (Kamberwell Bay – N.End)
Erindale Cres. (John Forsyth Rd. – Aldgate Rd.)
Pentonville Cres. (Aldgate Rd. – Ravensden Dr.)
Cedarcroft Pl. (Ravensdaen Dr. – E.End)
Uppingham Pl. (Ravensden Dr. – E.End)

South Area

Linden Terrace Way (Lindenwood Dr.E.- Lindenshore Dr.)
Haverstock Cres. (Lindenshore Dr. – Linden Terrace Way)
Lindenshore Dr. (Lindenwood Dr.W. – Lindenshore Dr.)
Lindmere Dr. (Lindenwood Dr.W. – Princewood Rd.)
Birmingham Pl. (Lindmere Dr. – End)
Princewood Rd. (Lindmere Dr. – Lindmere Dr.)
Thurston Bay (Princewood Rd. – Hartsdale Dr.)
Deer Run Dr. (Lindenwood Dr.W. – Tipton Ct.)
Wingate Ct. (Deer Run Dr. – S.End)
Tipton Ct. (Deer Run Dr. – E.End)
Baytree Ct. (Forestgate Ave. – S.End)
Forestgate Ave. (Lindenwood Dr.W. – Deer Run Dr.)
Cambridge St. (Academy Rd. – Wellington Cres.)
Oxford St. (Academy Rd. – Wellington Cres.)
Wellington Cres. (#638 Wellington Cres. – Harrow St.)
Dromore Ave. (Harrow St. – Cambridge St.)
Guelph St. (Kingsway – Academy Rd.)
Wilton St. (Academy Rd. – Kingsway)
Wentworth St. (Corydon Ave. – Grosvenor Ave.)