



THE CITY OF WINNIPEG

TENDER

TENDER NO. 110-2020

2020 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 2020 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, April 24, 2020.

B2.2 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 D4.1.

B3.2 If the Bidder finds errors, discrepancies or omissions in the Tender, 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 Tender 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 Tender 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.

B3.6 Any enquiries concerning submitting through MERX should be addressed to:
MERX Customer Support
Phone: 1-800-964-6379
Email: merx@merx.com

B4. CONFIDENTIALITY

B4.1 Information provided to a Bidder by the City or acquired by a Bidder by way of further enquiries or through investigation is confidential. Such information shall not be used or disclosed in any way without the prior written authorization of the Contract Administrator. The use and disclosure of the confidential information shall not apply to information which:

- (a) was known to the Bidder before receipt hereof; or
- (b) becomes publicly known other than through the Bidder; or
- (c) is disclosed pursuant to the requirements of a governmental authority or judicial order.

B4.2 The Bidder shall not make any statement of fact or opinion regarding any aspect of the Tender to the media or any member of the public without the prior written authorization of the Contract Administrator.

B5. ADDENDA

B5.1 The Contract Administrator may, at any time prior to the Submission Deadline, issue addenda correcting errors, discrepancies or omissions in the Tender, or clarifying the meaning or intent of any provision therein.

- B5.2 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.
- B5.3 Addenda will be available on the MERX website at www.merx.com.
- B5.4 The Bidder is responsible for ensuring that he/she has received all addenda and is advised to check the MERX website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B5.5 The Bidder shall acknowledge receipt of each addendum in Paragraph 10 of Form A: Bid/Proposal. Failure to acknowledge receipt of an addendum may render a Bid non-responsive
- B5.6 Notwithstanding B3, enquiries related to an Addendum may be directed to the Contract Administrator indicated in D4.

B6. SUBSTITUTES

- B6.1 The Work is based on the Plant, Materials and methods specified in the Tender.
- B6.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B6.3 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.
- B6.4 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.
- B6.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his/her 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.
- B6.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, to the Bidder who requested approval of the substitute.
- B6.6.1 The Contract Administrator will issue an Addendum, disclosing the approved materials, equipment, methods and products to all potential Bidders. The Bidder requesting and obtaining the approval of a substitute shall be responsible for disseminating information regarding the approval to any person or persons he/she wishes to inform.

- B6.7 If the Contract Administrator approves a substitute as an “approved equal”, any Bidder may use the approved equal in place of the specified item.
- B6.8 If the Contract Administrator approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative may base his/her 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 B16.
- B6.9 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.

B7. BID COMPONENTS

- B7.1 The Bid shall consist of the following components:
- (a) Form A: Bid/Proposal;
 - (b) Form B: Prices.
- B7.2 Further to B7.1, the Bidder should include the written correspondence from the Contract Administrator approving a substitute in accordance with B6.
- B7.3 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.
- B7.4 The Bid shall be submitted electronically through MERX at www.merx.com.
- B7.4.1 Bids will **only** be accepted electronically through MERX.
- B7.5 Bidders are advised that inclusion of terms and conditions inconsistent with the Tender document, including the General Conditions, will be evaluated in accordance with B16.1(a).

B8. BID

- B8.1 The Bidder shall complete Form A: Bid/Proposal, making all required entries.
- B8.2 Paragraph 2 of Form A: Bid/Proposal shall be completed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his/her own name, his/her 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/her own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.
- B8.2.1 If a Bid is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B8.2.
- B8.3 In Paragraph 3 of Form A: Bid/Proposal, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Bid.
- B8.4 Paragraph 13 of Form A: Bid/Proposal shall be signed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his/her 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/her 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.

B8.4.1 The name and official capacity of all individuals signing Form A: Bid/Proposal should be printed below such signatures.

B8.4.2 All signatures shall be original.

B8.5 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.

B9. PRICES

B9.1 The Bidder shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.

B9.1.1 Prices stated on Form B: Prices shall not include any costs which may be incurred by the Contractor with respect to any applicable funding agreement obligations as outlined in D27. Any such costs shall be determined in accordance with D27.

B9.2 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.

B9.3 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.

B9.4 Payments to Non-Resident Contractors are subject to Non-Resident Withholding Tax pursuant to the Income Tax Act (Canada).

B9.5 The Bidder shall enter the Total Bid Price from Form B: Prices into the Total Bid Price field in MERX.

B9.5.1 Bidders are advised that the calculation indicated in **Error! Reference source not found.** will prevail over the Total Bid Price entered in MERX.

B10. DISCLOSURE

B10.1 Various Persons provided information or services with respect to this Work. In the City's opinion, this relationship or association does not create a conflict of interest because of this full disclosure. Where applicable, additional material available as a result of contact with these Persons is listed below.

B10.2 The Persons are:

- (a) N/A

B11. CONFLICT OF INTEREST AND GOOD FAITH

B11.1 Further to C3.2, Bidders, by responding to this Tender, declare that no Conflict of Interest currently exists, or is reasonably expected to exist in the future.

B11.2 Conflict of Interest means any situation or circumstance where a Bidder or employee of the Bidder proposed for the Work has:

- (a) other commitments;
- (b) relationships;
- (c) financial interests; or

- (d) involvement in ongoing litigation;
that could or would be seen to:
 - (i) exercise an improper influence over the objective, unbiased and impartial exercise of the independent judgment of the City with respect to the evaluation of Bids or award of the Contract; or
 - (ii) compromise, impair or be incompatible with the effective performance of a Bidder's obligations under the Contract.
- (e) has contractual or other obligations to the City that could or would be seen to have been compromised or impaired as a result of its participation in the Tender process or the Work;
or
- (f) has knowledge of confidential information (other than confidential information disclosed by the City in the normal course of the Tender process) of strategic and/or material relevance to the Tender process or to the Work that is not available to other bidders and that could or would be seen to give that Bidder an unfair competitive advantage.

B11.3 In connection with its Bid, each entity identified in B11.2 shall:

- (a) avoid any perceived, potential or actual Conflict of Interest in relation to the procurement process and the Work;
- (b) upon discovering any perceived, potential or actual Conflict of Interest at any time during the Tender process, promptly disclose a detailed description of the Conflict of Interest to the City in a written statement to the Contract Administrator; and
- (c) provide the City with the proposed means to avoid or mitigate, to the greatest extent practicable, any perceived, potential or actual Conflict of Interest and shall submit any additional information to the City that the City considers necessary to properly assess the perceived, potential or actual Conflict of Interest.

B11.4 Without limiting B11.3, the City may, in its sole discretion, waive any and all perceived, potential or actual Conflicts of Interest. The City's waiver may be based upon such terms and conditions as the City, in its sole discretion, requires to satisfy itself that the Conflict of Interest has been appropriately avoided or mitigated, including requiring the Bidder to put into place such policies, procedures, measures and other safeguards as may be required by and be acceptable to the City, in its sole discretion, to avoid or mitigate the impact of such Conflict of Interest.

B11.5 Without limiting B11.3, and in addition to all contractual or other rights or rights at law or in equity or legislation that may be available to the City, the City may, in its sole discretion:

- (a) disqualify a Bidder that fails to disclose a perceived, potential or actual Conflict of Interest of the Bidder or any of its employees proposed for the Work;
- (b) require the removal or replacement of any employees proposed for the Work that has a perceived, actual or potential Conflict of Interest that the City, in its sole discretion, determines cannot be avoided or mitigated;
- (c) disqualify a Bidder or employees proposed for the Work that fails to comply with any requirements prescribed by the City pursuant to B11.4 to avoid or mitigate a Conflict of Interest; and
- (d) disqualify a Bidder if the Bidder, or one of its employees proposed for the Work, has a perceived, potential or actual Conflict of Interest that, in the City's sole discretion, cannot be avoided or mitigated, or otherwise resolved.

B11.6 The final determination of whether a perceived, potential or actual Conflict of Interest exists shall be made by the City, in its sole discretion.

B12. QUALIFICATION

B12.1 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.

B12.2 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 Division website at <https://www.winnipeg.ca/matmgt/Templates/files/debar.pdf>

B12.3 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); and
- (d) have qualified personnel to administer the work. The minimum qualifications shall be determined by the Contract Administrator.

B12.4 Further to B12.3(c), the Bidder shall, within five (5) Business Days of a request by the Contract Administrator, provide proof satisfactory to the Contract Administrator that the Bidder/Subcontractor has a workplace safety and health program meeting the requirements of The Workplace Safety and Health Act (Manitoba), by providing:

- (a) Written confirmation of a safety and health certification meeting SAFE Work Manitoba's SAFE Work Certified Standard (e.g., COR™ and SECOR™) or
 - (i) a copy of their valid Manitoba COR certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Certificate of Recognition (COR) Program administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ Program; or
 - (ii) a copy of their valid Manitoba SECOR™ certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Small Employer Certificate of Recognition Program (SECOR™) administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ 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 Division website at <http://www.winnipeg.ca/matmgt/>).

B12.5 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.

B12.6 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.

B13. OPENING OF BIDS AND RELEASE OF INFORMATION

- B13.1 Bids will not be opened publicly.
- B13.2 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 MERX website at www.merx.com.
- B13.3 After award of Contract, the name(s) of the successful Bidder(s) and their Contract amount(s) will be available on the MERX website at www.merx.com.
- B13.4 The Bidder is advised that any information contained in any Bid may be released if required by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law or by City policy or procedures (which may include access by members of City Council).
- B13.4.1 To the extent permitted, the City shall treat as confidential information, those aspects of a Bid Submission identified by the Bidder as such in accordance with and by reference to Part 2, Section 17 or Section 18 or Section 26 of The Freedom of Information and Protection of Privacy Act (Manitoba), as amended.

B14. IRREVOCABLE BID

- B14.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 11 of Form A: Bid/Proposal.
- B14.2 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 11 of Form A: Bid/Proposal.

B15. WITHDRAWAL OF BIDS

- B15.1 A Bidder may withdraw his/her Bid without penalty prior to the Submission Deadline.

B16. EVALUATION OF BIDS

- B16.1 Award of the Contract shall be based on the following bid evaluation criteria:
- (a) compliance by the Bidder with the requirements of the Tender or acceptable deviation there from (pass/fail);
 - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B12 (pass/fail);
 - (c) Total Bid Price;
 - (d) economic analysis of any approved alternative pursuant to B6.
- B16.2 Further to B16.1(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.
- B16.3 Further to B16.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his/her Bid or in other information required to be submitted, that he/she is qualified.
- B16.4 Further to B16.1(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.
- B16.4.1 Further to B16.1(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 purpose of evaluation and payment.

B16.4.2 Bidders are advised that the calculation indicated in B16.4 will prevail over the Total Bid Price entered in MERX.

B17. AWARD OF CONTRACT

B17.1 The City will give notice of the award of the Contract or will give notice that no award will be made.

B17.2 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 qualified, and the Bids are determined to be responsive.

B17.2.1 Without limiting the generality of B17.2, 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.

B17.3 If funding for the Work is provided to the City of Winnipeg by the Government of Manitoba and/or the Government of Canada, Bidders are advised that the terms of D27 shall immediately take effect upon confirmation of such funding, regardless of when funding is confirmed.

B17.4 Where an award of Contract is made by the City, the award shall be made to the qualified Bidder submitting the lowest evaluated responsive Bid, in accordance with B16.

B17.4.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of his/her Bid upon written request to the Contract Administrator.

B17.5 Further to C4, the City may issue a Purchase Order to the successful Bidder to form the Contract.

B17.6 The Contract Documents, as defined in C1.1, in their entirety shall be deemed to be incorporated in and to form a part of the Purchase Order notwithstanding that they are not necessarily attached to or accompany said Purchase Order.

PART C - GENERAL CONDITIONS

C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for Construction* (Revision 2020-01-31) 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 Division website at http://www.winnipeg.ca/matmgt/gen_cond.stm
- C0.2 A reference in the Tender 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 and sealing of existing joints and cracks in the pavement of identified streets.
- (b) cutting and sealing of new cracks formed in the concrete pavement of identified streets.

D3. DEFINITIONS

D3.1 When used in this Tender:

- (a) "**Business Day**" means any Calendar Day, other than Saturday, Sunday or a Statutory Civic Holiday.

D4. CONTRACT ADMINISTRATOR

D4.1 The Contract Administrator is:

Jean-Luc Lambert, M.Sc., P.Eng.
Support Services Engineer

Telephone No. 204 986-7087

Email Address jeanlambert@winnipeg.ca

D4.2 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.

D5. CONTRACTOR'S SUPERVISOR

D5.1 At the pre-construction meeting, the Contractor shall identify his/her designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.

D6. NOTICES

D6.1 Except as provided for in C22.4, 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/Proposal.

D6.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D6.3 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator identified in D4.

D6.3 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 facsimile number:

The City of Winnipeg
Legal Services Department
Attn: Director of Legal Services

Facsimile No.: 204 947-9155

SUBMISSIONS

D7. AUTHORITY TO CARRY ON BUSINESS

D7.1 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.

D8. SAFE WORK PLAN

D8.1 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 Documents, if applicable.

D8.2 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 Division website at <http://www.winnipeg.ca/matmgt/Safety/default.stm>

D8.3 Notwithstanding B12.4 at any time during the term of the Contract, the City may, at its sole discretion and acting reasonably, require an updated COR Certificate or Annual Letter of good Standing. A Contractor, who fails to provide a satisfactory COR Certificate or Annual Letter of good Standing, will not be permitted to continue to perform any Work.

D9. INSURANCE

D9.1 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) if applicable, Automobile Liability Insurance covering all motor vehicles, owned and operated and used or to be used by the Contractor directly or indirectly in the performance of the Work. The Limit of Liability shall not be less than \$2,000,000 inclusive for loss or damage including personal injuries and death resulting from any one accident or occurrence;
- (c) 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.

D9.2 Deductibles shall be borne by the Contractor.

D9.3 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.

D9.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the Contract Administrator.

D10. CONTRACT SECURITY

D10.1 If the Contract Price exceeds twenty-five thousand dollars (\$25,000.00), the Contractor shall provide and maintain contract security until the expiration of the warranty period in the form of:

- (a) a performance bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H1: Performance Bond), in the amount of fifty percent (50%) of the Contract Price; and
- (b) a labour and material payment bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H2: Labour and Material Payment Bond), in an amount equal to fifty percent (50%) of the Contract Price; or
- (c) an irrevocable standby letter of credit issued by a bank or other financial institution registered to conduct business in Manitoba and drawn on a branch located in Winnipeg, in the form attached to these Supplemental Conditions (Form H3: Irrevocable Standby Letter of Credit), in the amount of fifty percent (50%) of the Contract Price; or
- (d) a certified cheque or draft payable to "The City of Winnipeg", drawn on a bank or other financial institution registered to conduct business in Manitoba, in the amount of fifty percent (50%) of the Contract Price.

D10.1.1 Where the contract security is in the form of a certified cheque or draft, it will be deposited by the City. The City will not pay any interest on certified cheques or drafts furnished as contract security.

D10.2 The Contractor shall provide the City Solicitor with the required contract security within seven (7) Calendar Days of notification of the award of the Contract by way of Purchase Order and prior to the commencement of any Work on the Site.

D10.3 Where the Contract Security is provided in accordance with D10.1(a) and D10.1(b), the Contractor shall, as soon as practicable after entering into a contract with a Subcontractor:

- (a) give the Subcontractor written notice of the existence of the labour and material payment bond in D10.1(b); and
- (b) post a notice of the bond and/or a copy of that bond in a conspicuous location at the Site of the Work.

D11. SUBCONTRACTOR LIST

D11.1 The Contractor shall provide the Contract Administrator with a complete list of the Subcontractors whom the Contractor proposes to engage (Form J: Subcontractor List) at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than seven (7) Calendar Days from notification of the award of Contract.

D12. DETAILED WORK SCHEDULE

D12.1 The Contractor shall provide the Contract Administrator with a detailed work schedule (Form L: Detailed Work Schedule) at least two (2) 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 Documents, if applicable.

- (a) The work scheduled for local streets as outlined in Appendix B shall be grouped by work area.

D12.2 The detailed work schedule shall consist of the following:

- (a) a critical path method (C.P.M.) schedule for the Work;
all acceptable to the Contract Administrator.

D12.3 Further to D12.2(a), the C.P.M. schedule shall clearly identify the start and completion dates of all of the following activities/tasks making up the Work as well as showing those activities/tasks on the critical path:

SCHEDULE OF WORK

D13. COMMENCEMENT

D13.1 The Contractor shall not commence any Work until he/she is in receipt of a Purchase Order from the Award Authority authorizing the commencement of the Work.

D13.2 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 D7;
 - (ii) evidence of the workers compensation coverage specified in C6.15;
 - (iii) the Safe Work Plan specified in D8;
 - (iv) evidence of the insurance specified in D9;
 - (v) the contract security specified in D10;
 - (vi) the Subcontractor list specified in D11; and
 - (vii) the detailed work schedule specified in D12.
- (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.

D13.3 The Contractor shall commence the Work on the Site within seven (7) Working Days of receipt of the Purchase Order.

D13.4 The City intends to award this Contract by May 12, 2020.

D13.4.1 If the actual date of award is later than the intended date, the dates specified for Critical Stages, Substantial Performance, and Total Performance will be adjusted by the difference between the aforementioned intended and actual dates.

D14. RESTRICTED WORK HOURS

D14.1 Further to clause 3.10 of CW 1130, the Contractor shall require written permission forty-eight (48) hours in advance from the Contract Administrator for any work to be performed between 22:00 hours and 07:00 hours, or on Saturday, Sunday, Statutory Holidays and or Civic Holidays.

D15. CRITICAL STAGES

D15.1 The Contractor shall achieve critical stages of the Work in accordance with the following requirements:

- (a) Joint and Crack Sealing on Regional Streets listed in Appendix A to be achieved by August 28, 2020.

D16. SUBSTANTIAL PERFORMANCE

- D16.1 The Contractor shall achieve Substantial Performance within fifty (50) consecutive Working Days of the commencement of the Work as specified in D13.
- D16.2 When the Contractor considers the Work to be substantially performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Substantial 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.
- D16.3 The date on which the Work has been certified by the Contract Administrator as being substantially performed to the requirements of the Contract through the issue of a certificate of Substantial Performance is the date on which Substantial Performance has been achieved.

D17. TOTAL PERFORMANCE

- D17.1 The Contractor shall achieve Total Performance within fifty-five (55) consecutive Working Days of the commencement of the Work as specified in D13.
- D17.2 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.
- D17.3 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.

D18. LIQUIDATED DAMAGES

- D18.1 If the Contractor fails to achieve Critical Stages or Total Performance in accordance with the Contract by the days fixed herein for same, the Contractor shall pay the City the following amounts per Working Day for each and every Working Day following the days fixed herein for same during which such failure continues:
- (a) Critical Stage – two hundred dollars (\$200.00);
 - (b) Total Performance – five hundred dollars (\$500.00).
- D18.2 The amounts specified for liquidated damages in D18.1 are based on a genuine pre-estimate of the City's losses in the event that the Contractor does not achieve critical stages, Substantial Performance or Total Performance by the days fixed herein for same.
- D18.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D19. COVID-19 SCHEDULE DELAYS

- D19.1 The City acknowledges that the schedule for this Contract may be impacted by the COVID-19 pandemic. Commencement and progress of the Work shall be performed by the Contractor with due consideration to the health and safety of workers and the public and directives from health authorities and various levels of government, and in close consultation with the Contract Administrator.
- D19.2 If the Contractor is delayed in the performance of the Work by reason of the COVID-19 pandemic, the Work schedule may be adjusted by a period of time equal to the time lost due to such delay and costs related to such delay will be determined as identified herein.

- D19.3 A minimum of seven (7) Calendar Days prior to the commencement of Work, the Contractor shall declare whether COVID-19 will affect the start date. If the Contractor declares that COVID-19 will affect the start date, the Contractor shall provide sufficient evidence that the delay is directly related to COVID-19, including but not limited to evidence related to availability of staff, availability of Material or work by others.
- D19.4 For any delay related to COVID-19 and identified after Work has commenced, the Contractor shall within seven (7) Calendar Days of becoming aware of the anticipated delay declare the additional delay and shall provide sufficient evidence as indicated in D19.3. Failure to provide this notice will result in no additional time delays being considered by the City.
- D19.5 The Work schedule, including the durations identified in D15 to D17 where applicable, will be adjusted to reflect delays accepted by the Contract Administrator. No additional payment will be made for adjustment of schedules except where seasonal work, not previously identified in the Contract, is carried over to the following construction season.
- D19.6 Where Work not previously identified is being carried over solely as a result of delays related to COVID-19, as confirmed by the Contract Administrator, the cost of temporary works to maintain the Work in a safe manner until Work recommences, will be considered by the Contract Administrator. Where the Work is carried over only partially due to COVID-19, a partial consideration of the cost of temporary works will be considered by the Contract Administrator.
- D19.7 Any time or cost implications as a result of COVID-19 and in accordance with the above, as confirmed by the Contract Administrator, shall be documented in accordance with C7.

CONTROL OF WORK

D20. JOB MEETINGS

- D20.1 Regular bi-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.
- D20.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he/she deems it necessary.

D21. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

- D21.1 Further to C6.26, 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).

D22. THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA) – QUALIFICATIONS

- D22.1 Further to B12.4, the Contractor/Subcontractor must, throughout the term of the Contract, have a Workplace Safety and Health Program meeting the requirements of The Workplace Safety and Health Act (Manitoba). At any time during the term of the Contract, the City may, at its sole discretion and acting reasonably, require updated proof of compliance, as set out in B12.4.

MEASUREMENT AND PAYMENT

D23. INVOICES

- D23.1 Further to C12, the Contractor shall submit an invoice for each portion of Work performed. to:

The City of Winnipeg
Corporate Finance - Accounts Payable
4th Floor, Administration Building, 510 Main Street
Winnipeg MB R3B 1B9

Facsimile No.: 204-949-0864
Email: CityWpgAP@winnipeg.ca

D23.2 Invoices must clearly indicate, as a minimum:

- (a) the City's purchase order number;
- (b) date of delivery;
- (c) delivery address;
- (d) type and quantity of work performed;
- (e) the amount payable with GST and MRST shown as separate amounts; and
- (f) the Contractor's GST registration number.

D23.3 The City will bear no responsibility for delays in approval of invoices which are improperly submitted.

D24. PAYMENT

D24.1 Further to C12, the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

D25. PAYMENT SCHEDULE

D25.1 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 is achieved.

WARRANTY

D26. WARRANTY

D26.1 Warranty is as stated in C13.

THIRD PARTY AGREEMENTS

D27. FUNDING AND/OR CONTRIBUTION AGREEMENT OBLIGATIONS

D27.1 In the event that funding for the Work of the Contract is provided to the City of Winnipeg by the Government of Manitoba and/or the Government of Canada, the following terms and conditions shall apply, as required by the applicable funding agreements.

D27.2 Further to D27.1, in the event that the obligations in D27 apply, actual costs legitimately incurred by the Contractor as a direct result of these obligations ("Funding Costs") shall be determined by the actual cost to the Contractor and not by the valuation method(s) outlined in C7.4. In all other respects Funding Costs will be processed in accordance with Changes in Work under C7.

D27.3 For the purposes of D27:

- (a) "**Government of Canada**" includes the authorized officials, auditors, and representatives of the Government of Canada; and

- (b) **“Government of Manitoba”** includes the authorized officials, auditors, and representatives of the Government of Manitoba.

D27.4 Modified Insurance Requirements

- D27.4.1 If not already required under the insurance requirements identified in D9, the Contractor will be required to provide wrap-up liability insurance in an amount of no less than two million dollars (\$2,000,000) inclusive per occurrence. Such policy will be written in the joint names of the City, Contractor, Consultants and all sub-contractors and sub-consultants and include twelve (12) months completed operations. The Government of Manitoba and its Ministers, officers, employees, and agents shall be added as additional insureds.
- D27.4.2 If not already required under the insurance requirements identified in D9, the Contractor will be required to provide builders' risk insurance (including boiler and machinery insurance, as applicable) providing all risks coverage at full replacement cost, or such lower level of insurance that the City may identify on a case-by-case basis, such as an installation floater.
- D27.4.3 The Contractor shall obtain and maintain third party liability insurance with minimum coverage of two million dollars (\$2,000,000.00) per occurrence on all licensed vehicles operated at the Site. In the event that this requirement conflicts with another licensed vehicle insurance requirement in this Contract, then the requirement that provides the higher level of insurance shall apply.
- D27.4.4 Further to D9.3, insurers shall provide satisfactory Certificates of Insurance to the Government of Manitoba prior to commencement of Work as written evidence of the insurance required. The Certificates of Insurance must provide for a minimum of thirty (30) days' prior written notice to the Government of Manitoba in case of insurance cancellation.
- D27.4.5 All policies must be taken out with insurers licensed to carry on business in the Province of Manitoba.

D27.5 Indemnification By Contractor

- D27.5.1 In addition to the indemnity obligations outlined in C17 of the General Conditions for Construction, the Contractor agrees to indemnify and save harmless the Government of Canada and the Government of Manitoba and each of their respective Ministers, officers, servants, employees, and agents from and against all claims and demands, losses, costs, damages, actions, suit or other proceedings brought or pursued in any manner in respect of any matter caused by the Contractor or arising from this Contract or the Work, or from the goods or services provided or required to be provided by the Contractor, except those resulting from the negligence of any of the Government of Canada's or the Government of Manitoba's Ministers, officers, servants, employees, or agents, as the case may be.

D27.6 Records Retention and Audits

- D27.6.1 The Contractor shall maintain and preserve accurate and complete records in respect of this Contract and the Work, including all accounting records, financial documents, copies of contracts with other parties and other records relating to this Contract and the Work during the term of the Contract and for at least six (6) years after Total Performance. Those records bearing original signatures or professional seals or stamps must be preserved in paper form; other records may be retained in electronic form.

D27.6.2 In addition to the record keeping and inspection obligations outlined in C6 of the General Conditions for Construction, the Contractor shall keep available for inspection and audit at all reasonable times while this Contract is in effect and until at least six (6) years after Total Performance, all records, documents, and contracts referred to in D27.6.1 for inspection, copying and audit by the City of Winnipeg, the Government of Manitoba and/or the Government of Canada and their respective representatives and auditors, and to produce them on demand; to provide reasonable facilities for such inspections, copying and audits, to provide copies of and extracts from such records, documents, or contracts upon request by the City of Winnipeg, the Government of Manitoba, and/or the Government of Canada and their respective representatives and auditors, and to promptly provide such other information and explanations as may be reasonably requested by the City of Winnipeg, the Government of Manitoba, and/or the Government of Canada from time-to-time.

D27.7 Other Obligations

D27.7.1 The Contractor consents to the City providing a copy of the Contract Documents to the Government of Manitoba and/or the Government of Canada upon request from either entity.

D27.7.2 If the Lobbyists Registration Act (Manitoba) applies to the Contractor, the Contractor represents and warrants that it has filed a return and is registered and in full compliance with the obligations of that Act, and covenants that it will continue to comply for the duration of this Contract.

D27.7.3 The Contractor shall comply with all applicable legislation and standards, whether federal, provincial, or municipal, including (without limitation) labour, environmental, and human rights laws, in the course of providing the Work.

D27.7.4 The Contractor shall properly account for the Work provided under this Contract and payment received in this respect, prepared in accordance with generally accepted accounting principles in effect in Canada, including those principles and standards approved or recommended from time-to-time by the Chartered Professional Accountants of Canada or the Public Sector Accounting Board, as applicable, applied on a consistent basis.

FORM H1: PERFORMANCE BOND
(See D10)

KNOW ALL MEN BY THESE PRESENTS THAT

_____ ,
(hereinafter called the "Principal"), and

_____ ,
(hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter called the "Obligee"), in the sum of

_____ dollars (\$_____)

of lawful money of Canada to be paid to the Obligee, or its successors or assigns, for the payment of which sum the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has entered into a written contract with the Obligee for

TENDER NO. 110-2020

2020 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS

which is by reference made part hereof and is hereinafter referred to as the "Contract".

NOW THEREFORE the condition of the above obligation is such that if the Principal shall:

- (a) carry out and perform the Contract and every part thereof in the manner and within the times set forth in the Contract and in accordance with the terms and conditions specified in the Contract;
- (b) perform the Work in a good, proper, workmanlike manner;
- (c) make all the payments whether to the Obligee or to others as therein provided;
- (d) in every other respect comply with the conditions and perform the covenants contained in the Contract; and
- (e) indemnify and save harmless the Obligee against and from all loss, costs, damages, claims, and demands of every description as set forth in the Contract, and from all penalties, assessments, claims, actions for loss, damages or compensation whether arising under "The Workers Compensation Act", or any other Act or otherwise arising out of or in any way connected with the performance or non-performance of the Contract or any part thereof during the term of the Contract and the warranty period provided for therein;

THEN THIS OBLIGATION SHALL BE VOID, but otherwise shall remain in full force and effect. The Surety shall not, however, be liable for a greater sum than the sum specified above.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable as Principal, and that nothing of any kind or matter whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law or usage relating to the liability of Sureties to the contrary notwithstanding.

IN WITNESS WHEREOF the Principal and Surety have signed and sealed this bond the

_____ day of _____, 20____.

SIGNED AND SEALED
in the presence of:

(Witness as to Principal if no seal)

(Name of Principal)

Per: _____ (Seal)

Per: _____

(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

FORM H2: LABOUR AND MATERIAL PAYMENT BOND
(See D10)

KNOW ALL MEN BY THESE PRESENTS THAT

his/its heirs, executors, administrators, successors or assigns (hereinafter called the "Principal"), and

his/its heirs, executors, administrators, successors or assigns (hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter called the "Obligee"), for the use and benefit of claimants as hereinbelow defined, in the amount of

_____ dollars (\$_____)

of lawful money of Canada, for the payment whereof we, the Principal and the Surety jointly and severally bind ourselves firmly by these presents.

WHEREAS the Principal has entered into a written contract with the Obligee for

TENDER NO. 110-2020

2020 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS

which is by reference made part hereof and is hereinafter referred to as the "Contract".

NOW THEREFORE the condition of the above obligation is such that if the Principal shall promptly make payment to all claimants as hereinafter defined, for all labour, service and material used or reasonably required for use in the performance of the Contract, then this obligation shall be void, otherwise it shall remain in full force and effect subject, however, to the following conditions:

- (a) A claimant is defined as one having a direct contract with the Principal for labour, service and material, or any of them, used or reasonably required for use in the performance of the contract, labour, service and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental of equipment (but excluding rent of equipment where the rent pursuant to an agreement is to be applied towards the purchase price thereof) directly applicable to the Contract;
- (b) The above-named Principal and Surety hereby jointly and severally agree with the Obligee that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work, labour or service was done or performed, or materials were furnished by such claimant, may sue on this bond, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon;
- (c) No suit or action shall be commenced hereunder by any claimant
 - (i) unless claimant shall have given written notice to the Principal and the Surety above-named, within one hundred and twenty (120) days after such claimant did or performed the last of the work, labour or service, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work, labour or service was done or performed. Such notice shall be served by mailing the same by registered mail to the Principal, and Surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the Province of Manitoba;

- (ii) after the expiration of one (1) year following the date on which Principal ceased work on said Contract; including work performed under the guarantees provided in the Contract;
 - (iii) other than in a court of competent jurisdiction in the Province of Manitoba.
- (d) The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.
- (e) The Surety shall not be liable for a greater sum than the specified penalty of this bond.

The Principal and Surety hereby agree that The Guarantors' Liability Act (Manitoba) shall apply to this Bond.

IN TESTIMONY WHEREOF, the Principal has hereunto set its hand affixed its seal, and the Surety has caused these presents to be sealed and with its corporate seal duly attested by the authorized signature of its signing authority this

_____ day of _____, 20_____ .

SIGNED AND SEALED
in the presence of:

(Witness as to Principal if no seal)

(Name of Principal)

Per: _____ (Seal)

Per: _____

(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

**FORM H3: IRREVOCABLE STANDBY LETTER OF CREDIT
(CONTRACT SECURITY)
(See D10)**

(Date)

The City of Winnipeg
Legal Services Department
185 King Street, 3rd Floor
Winnipeg MB R3B 1J1

RE: CONTRACT SECURITY - TENDER NO. 110-2020
2020 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS

Pursuant to the request of and for the account of our customer,

(Name of Contractor)

(Address of Contractor)

WE HEREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding in the aggregate

_____ Canadian dollars.

This Standby Letter of Credit may be drawn on by you at any time and from time to time upon written demand for payment made upon us by you. It is understood that we are obligated under this Standby Letter of Credit for the payment of monies only and we hereby agree that we shall honour your demand for payment without inquiring whether you have a right as between yourself and our customer to make such demand and without recognizing any claim of our customer or objection by the customer to payment by us.

The amount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon it by you or by formal notice in writing given to us by you if you desire such reduction or are willing that it be made.

We engage with you that all demands for payment made within the terms and currency of this Standby Letter of Credit will be duly honoured if presented to us at:

(Address)

and we confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us.

All demands for payment shall specifically state that they are drawn under this Standby Letter of Credit.

Subject to the condition hereinafter set forth, this Standby Letter of Credit will expire on

(Date)

It is a condition of this Standby Letter of Credit that it shall be deemed to be automatically extended from year to year without amendment from the present or any future expiry date, unless at least 30 days prior to the present or any future expiry date, we notify you in writing that we elect not to consider this Standby Letter of Credit to be renewable for any additional period.

This Standby Letter of Credit may not be revoked or amended without your prior written approval.

Except where they may conflict with the terms and conditions contained in this Letter of Credit, the International Standby Practices 1998 shall apply to this Letter of Credit. This Letter of Credit shall also be governed by and construed in accordance with the laws of the Province of Manitoba and of Canada as applicable therein, except to the extent that such laws are inconsistent with the International Standby Practices 1998. This Letter of Credit is subject to the exclusive jurisdiction of the courts in the Province of Manitoba and all courts competent to hear appeals therefrom.

(Name of bank or financial institution)

Per: _____
(Authorized Signing Officer)

Per: _____
(Authorized Signing Officer)

FORM L: DETAILED WORK SCHEDULE
(See D12)

2020 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS

For each area of Work, indicate the cumulative percentage proposed to be completed by the end of each time period until 100% completion is achieved.			
Areas of Work	Time Period in Working Days		
	15	30	55
North Kildonan – Rivergrove (Local)			
Old Kildonan – Templeton/Sinclair (Local)			
Transcona – Grassie (Local)			
Transcona – Kildonan Meadows (Local)			
Transcona – Canterbury Park (Local)			
Waverley West – Southpointe (Local)			
Hargrave St (Regional)			
Dr Jose Rizal Wy (Regional)			
Sage Creek Bv (Regional)			
Inkster Bv (Regional)			
Taylor Av (Regional)			

PART E - SPECIFICATIONS

GENERAL

E1. APPLICABLE SPECIFICATIONS AND DRAWINGS

- E1.1 These Specifications shall apply to the Work.
- E1.2 These Specifications cover the joint and crack sealing relating to the renewal or maintenance of existing pavements.
- E1.3 *The City of Winnipeg Standard Construction Specifications* in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.3.1 *The City of Winnipeg Standard Construction Specifications* is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/Spec/Default.stm>
- E1.3.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- E1.3.3 Further to C2.4(d), Specifications included in the Tender shall govern over *The City of Winnipeg Standard Construction Specifications*.
- E1.4 Bidders are reminded that requests for approval of substitutes as an approved equal or an approved alternative shall be made in accordance with B6. In every instance where a brand name or design specification is used, the City will also consider approved equals and/or approved alternatives in accordance with B6.
- E1.5 The following are applicable to the Work:
- | <u>Specification No.</u> | <u>Specification Title</u> |
|--------------------------|--|
| | Approved Products for Surface Works |
| ASTM D6690-01 | Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements |
| ASTM D8260-20 | Standard Specification for Hot-Applied Asphalt Aggregate-Filled Mastic |

E2. MATERIALS

- E2.1 For joints and cracks less than 25 millimetres in width, the Contractor shall supply low-modulus hot-poured elastic Type IV joint sealant in accordance with ASTM D6690-01.
- E2.2 For joints, cracks and corner breaks greater than 25 millimetres in width, the Contractor shall supply hot poured repair mastic product in accordance with the City of Winnipeg's Approved Products for Surface Works.
- E2.3 The material type to be used to fill joints and cracks will be at the sole discretion of the Contract Administrator.
- E2.4 The Contractor shall use only those materials listed as Approved Products for Surface Works. The Approved Products are available in Adobe Acrobat (.pdf) format at the City of Winnipeg, Corporate Finance, Material Management Internet site at: https://winnipeg.ca/finance/findata/matmgt/std_const_spec/current/Docs/Approved_Product_Suppliers.pdf
- E2.5 Reheating of unused joint sealants will not be permitted.

E3. JOINT AND CRACK CLEANING AND SEALING (LESS THAN 25MM WIDTH)

- E3.1 Further to CW3250 – R7, the following shall apply to this Contract:

- (a) For previously sealed concrete pavements the Contractor shall remove all existing sealants, dirt and foreign materials 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.
- (b) For previously sealed concrete pavements, 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.
- (c) For previously sealed concrete pavements, 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.
- (d) Further to E3.1(c) 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.
- (e) Cracks between 2 millimetres and 25 millimetres shall be routed to a minimum width of 10 millimetres and depth of 20 millimetres below the pavement surface.
- (f) The joints and cracks shall be blown out to remove dust and loose particles with an oil free air jet having sufficient volume and pressure, immediately before placement of the sealant material.
- (g) Fill all joints and routed cracks from the bottom up utilizing an approved mechanical pressure joint filling system equipped with continuous agitation.
- (h) The Contractor may be required to apply joint sealant in two or more separate operations for deep and full depth joints and cracks to minimize shrinkage.
- (i) Avoid overfilling and spilling of sealant on the pavement surface. All spills shall be cleaned immediately to the satisfaction of the Contract Administrator.
- (j) The Contractor shall place joint sealant 2 millimetres to 4 millimetres above the surface to provide a band-aid seal over the joint or crack. Immediately following application to the pavement surface the sealant shall be leveled and smoothed using a rubber squeegee. Upon completion, the sealant will overlap either side of the crack by a maximum of 25 millimetres.
- (k) All operations described in this specification will be included in payment for the Contract Unit Price per metre for "Joint Sealing (Less than 25mm Width)" and "Crack Sealing (Less than 25mm Width)". The length to be paid for will be the total number of metres of pavement joints and cracks cleaned or routed and sealed in accordance with this specification, accepted and measured by the Contract Administrator.
- (l) No additional payment will be made for the operations described in this specification.

E4. JOINT AND CRACK FILLING (GREATER THAN 25MM WIDTH)

- E4.1 For previously sealed concrete pavements the Contractor shall remove all existing sealants, dirt and foreign materials to a depth of 75 millimetres 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.
- E4.2 Sandblast or use wire bristle brush by mechanical means to clean both sides of the joint or crack walls thoroughly, then vacuum or blow with clean dry oil-free compressed air with sufficient pressure to remove all dust or other residues left by the cleaning operation.
- E4.3 Apply mastic product into the joint by means of a box screed.
- E4.4 Mastic shall be leveled with the pavement surface and smoothed leaving a minimum overlap of 25 – 50 millimetres on each side to provide a level surface.
- E4.5 The Contractor shall ensure that once mastic has cooled it maintains a level surface. For deeper joints and cracks this may require multiple applications to achieve.

E4.6 When the mastic has solidified sufficiently to support loads it is ready for traffic. Apply cement dusting or approved alternate to sealed joints and cracks where early opening to traffic is required.

E4.7 Joint and crack filling greater than 25 millimetres wide will be measured on a length basis and paid for at the Contract Unit Price per metre for "Joint and Crack Filling (Greater than 25 mm Width)". The length to be paid for will be the total number of metres of joints and cracks greater than 25 millimetres wide that are cleaned and filled in accordance with this specification, accepted and measured by the Contract Administrator.

E5. BACKER ROD

E5.1 Install backer rods immediately after cleaning and before sealant installation. Backer rods shall be inserted uniformly to the required depth to achieve the required shape factor. Backer rods shall be inserted using a double wheel steel roller and shall not be punctured or stretched during the installation process.

E5.2 Streets where backer rod has been removed during the cleaning process shall have new backer rod installed in the joints where proper placement can occur prior to sealing. Backer rod when used on Regional or Local Streets will be included in payment for "Joint Sealing" in Form B: Prices, Unit Prices, Regional Streets (Concrete) and "Joint Sealing" in Form B: Prices, Unit Prices, Local Streets (Concrete).

E6. SAW CUTTING EXISTING CONCRETE PAVEMENT JOINTS

E6.1 As directed by the Contract Administrator, the Contractor may be required to saw cut joints, as per Detail "A" in SD-212. The saw cut is meant to accommodate the joint sealant and backer rod. This may be necessary in some concrete pavements where full depth or partial depth repairs have occurred prior to joint sealing. The saw cut may also be required on concrete pavements constructed prior to 2004. In 2004 the specification for Sawn Joint changed to include the installation of backer rod. To accommodate the backer rod the depth of the sawn joint increased from 20mm to 30mm deep.

E6.2 Joints and the pavement surface shall be cleaned of all residues left by the sawing operation. Initial cleaning shall be done by water jet having sufficient volume and pressure to remove the residue. Alternative methods of cleaning joints must be approved by the Contract Administrator. The joint shall be blown out with an air jet having sufficient volume and pressure to remove the residue. Joints shall be allowed sufficient time to thoroughly dry before the application of the joint sealant.

E6.3 Saw cutting of existing concrete pavements will be measured on a length basis and paid for at the Contract Unit Price per metre for "Saw Cut Joint 10mm wide and 30mm deep". The length will be the total number of metres of saw cutting in accordance with this specification, accepted and measured by the Contract Administrator.

E7. SINGLE CUT DEVELOPMENT STREETS

E7.1 Further to Specification CW3310-R17, the step cutting of single joints cut on development streets shall be a dust free construction operation. The dust free operation shall be to the satisfaction of contract administrator.

E7.2 Any minor residue left behind by the single cut operation including random cuts, shall be immediately cleaned by hand held vacuum.

E7.3 The vacuum system used during this operation shall meet the following requirements:

- (a) Must have a minimum sealed lift rating of 70 inches;
- (b) Must be capable of a minimum 750 CFM intake;
- (c) Filters must be capable of collecting dust as fine as 1 micron;

- (d) Vacuum must be capable of maintaining both lift and CFM with no change of loss in performance over time.

E7.4 Step Cut and Seal Single Cut Concrete will be measured on a linear measure basis. The length to be paid for shall be the total number of metres of "Dust Free - Step Cut and Seal Single Cut Concrete" in accordance with CW 3310-R17, this specification and as accepted and measured by the Contract Administrator.

E8. CLEAN-UP

E8.1 The Contractor shall remove off site all used sealants, backer rod, packaging and debris from the routing and cleaning operations to the satisfaction of the Contract Administrator.

E8.2 Further to C6.27 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. Streets to be cleaned will be determined by the Contract Administrator. Street cleaning operations will be considered as incidental of Work included in this Specification.

E9. TEMPORARY "NO PARKING" SIGNS

E9.1 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.

E9.2 Signs will be available from the City. All costs for this aspect of the Work shall be considered as incidental and shall be included in the unit price amounts.

E9.2.1 Where the Contractor fails to return temporary "No Parking" signs to area offices or signs are returned in a damaged and irreparable state, the Contractor shall be assessed ninety dollars (\$90.00) per sign. Where signs are returned in a damaged but repairable state, the Contractor shall be assessed forty dollars (\$40.00) per sign at the time of the final Progress Payment.

E9.3 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.

E10. TRAFFIC CONTROL

E10.1 Further to Clauses 3.6 and 3.7 of CW 1130-R3, 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.

E10.2 Further to Clause 3.7 of CW 1130-R3, the Contractor shall maintain a minimum of one lane of traffic at all times. Where there are multiple lanes of traffic only one lane of traffic may be closed to perform the work unless otherwise approved by the Contract Administrator.

E10.3 Further to Clauses 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.

E10.4 All traffic closures subject to be approved by the Contract Administrator.

E10.5 No traffic or construction equipment will be allowed to travel over the sealed joints or cracks until such time as the sealant has cooled to atmospheric temperature. Apply cement dusting or approved alternate to sealed joints and cracks where early opening to traffic is required.

E11. WEATHER

- E11.1 The Contractor shall allow a 12 hour dry period prior to placing joint seal.
- E11.2 The Contractor shall only apply sealant and mastic when pavement temperatures are at least 4°C and rising.

E12. LOCATIONS

- E12.1 The Contractor shall Joint and Crack Seal Regional Streets listed in Appendix A.
- E12.2 The Contractor shall Joint and Crack Seal Local Streets listed in Appendix B.

APPENDIX "A" REGIONAL STREETS

<u>Street Name</u>	<u>From</u>	<u>To</u>
Hargrave St	Graham Ave	Portage Ave
Dr Jose Rizal Way (NB)	Adsum Dr	Waterford Green Cmn
Dr Jose Rizal Way (NB)	Waterford Green Cmn	Highwater Pa
Dr Jose Rizal Way (NB)	Highwater Pa	Dzogan Cv
Dr Jose Rizal Way (NB)	Dzogan Cv	Jefferson Ave
Dr Jose Rizal Way (NB)	Jefferson Ave	Water Ridge Pa
Sage Creek Bv (EB)	Lagimodiere Blvd	Burning Glass Rd
Sage Creek Bv (EB)	Burning Glass Rd	Des Hivernants Blvd
Sage Creek Bv (EB)	Des Hivernants Blvd	Blue Sun Dr
Sage Creek Bv (EB)	Blue Sun Dr	Soltice Ln
Sage Creek Bv (EB)	Soltice Ln	Ranville Rd
Sage Creek Bv (EB)	Ranville Rd	Ranville Rd
Sage Creek Bv (WB)	Edward Turner Dr	Ranville Rd
Sage Creek Bv (WB)	Ranville Rd	Soltice Ln
Sage Creek Bv (WB)	Soltice Ln	Blue Sun Dr
Sage Creek Bv (WB)	Blue Sun Dr	Des Hivernants Blvd
Sage Creek Bv (WB)	Des Hivernants Blvd	Burning Glass Rd
Sage Creek Bv (WB)	Burning Glass Rd	Lagimodiere Blvd
Inkster Blvd (EB)	Brookside Blvd	Inksbrook Dr
Inkster Blvd (EB)	Inksbrook Dr	Tallman St
Inkster Blvd (EB)	Tallman St	Burrows Ave
Inkster Blvd (EB)	Burrows Ave	Groverdale Ave
Inkster Blvd (EB)	Groverdale Ave	King Edward St
Inkster Blvd (WB)	King Edward St	Groverdale Ave
Inkster Blvd (WB)	Groverdale Ave	Mobile St
Inkster Blvd (WB)	Mobile St	Tallman St
Inkster Blvd (WB)	Tallman St	Inksbrook Dr
Inkster Blvd (WB)	Inksbrook Dr	Brookside Blvd
Taylor Ave (EB)	Approach to # 1360	Cambridge St
Taylor Ave (EB)	Cambridge St	Poseidon Bay
Taylor Ave (EB)	Poseidon Bay	Nathaniel St

APPENDIX “B” LOCAL STREETS

<u>Street Name</u>	<u>From</u>	<u>To</u>
North Kildonan (Rivergrove)		
Meadowcrest Bay	Red River Blvd	Red River Blvd
Knotwood Cr	Red River Blvd	Rivergrove Dr
Rivergrove Dr (Service Rd 1)	# 576 Rivergrove Dr	# 592 Rivergrove Dr
Rivergrove Dr (Service Rd 2)	# 600 Rivergrove Dr	# 616 Rivergrove Dr
Rivergrove Dr (Service Rd 3)	# 686 Rivergrove Dr	# 698 Rivergrove Dr
Red River Blvd	Rivergrove Dr	McBeth St
McBeth St	Red River Blvd	N. Property line - 101 Red River Blvd
Broadview Pl	Rivergrove Dr	East Limit
Tatum Pl	Summerview Ln	South Limit
Old Kildonan (Templeton/Sinclair)		
Beecher Ave	# 976 Beecher Ave	# 881 Beecher Ave
Brambleberry Pl	Templeton Ave	North Limit
Woodlark Pl	Templeton Ave	North Limit
Laurel Leaf Ln	Templeton Ave	North Limit
Arrowhead Ct	Templeton Ave	East Limit
Harry Lehotsky Cv	McGregor St	West Limit
Miravista Dr	McGregor St	South West Limit
Blackthorne Bay	Swales Ave	Swales Ave
Birchbark Bay	Swales Ave	Swales Ave
Birchtree Pl	Birchbark Bay	Swales Ave
Swales Ave	# 656 Swales Ave	Beecher Ave
Cascia Cv	Swales Ave	West Limit
Barona Cv	Swales Ave	South Limit
Sunterra Cv	Swales Ave	South Limit
Morongo Cv	Swales Ave	South Limit
Transcona (Grassie)		
Bridgewood Dr	Perfanick Dr	South West Limit
Harvey Pl	Bridgewood Dr	North Limit
Clara DeMarchi Pl	Bridgewood Dr	South Limit
David Evans Pl	Bridgewood Dr	South Limit
Vander Graff Pl	Bridgewood Dr	South Limit
Dennis Lindsay Rd	Perfanick Dr	Bridgewood Dr
Terry Scott Bay	Bridgewood Dr	Dennis Lindsay Rd
Brunka Pl	Dennis Lindsay Rd	West Limit
Pinetop Rd	Concordia Ave East	Bridgewood Dr
Pinetop Rd (Service Rd 1)	# 15 Pinetop Rd	# 43 Pinetop Rd
Pinetop Rd (Service Rd 2)	# 16 Pinetop Rd	# 36 Pinetop Rd

Perfanick Dr
Domia Pl
Golis Bay

Bridgewood Dr
Perfanick Dr
Perfanick Dr

Concordia Ave E
North Limit
Perfanick Dr

Transcona (Meadows)

Tychonick Bay
Kildonan Meadow Dr
Kildonan Meadow Dr (Svc Rd 1)
Kildonan Meadow Dr (Svc Rd 2)
Helen Mayba Cr
Lou Peltier Cr
Tommy Douglas Dr
Kildonan Green Dr
Sacree Cv
Rod Black Cr
Edna Perry Way
Mary Andree Way
Bill Blaikie Bay

Kildonan Meadow Dr
Devonshire Dr W.
451 Kildonan Meadow Dr
480 Kildonan Meadow Dr
Kildonan Meadow Dr
Kildonan Meadow Dr
Kildonan Meadow Dr
Tommy Douglas Dr
Kildonan Meadow Dr
Kildonan Meadow Dr
Kildonan Meadow Dr
Kildonan Meadow Dr
Kildonan Meadow Dr
Kildonan Meadow Dr

Kildonan Meadow Dr
Plessis Rd
524 Kildonan Meadow Dr
523 Kildonan Meadow Dr
Kildonan Meadow Dr
Tommy Douglas Dr
Devonshire Dr W
Plessis Rd
West Limit
Edna Perry Way
Tommy Douglas Dr
Tommy Douglas Dr
Kildonan Meadow Dr

Transcona (Canterbury Park)

Audette Dr
Audette Dr (Service Rd 1)
Audette Dr (Service Rd 2)
Audette Dr (Service Rd 3)
Harlow Bay
Hiley Bay
Murray Rougeau Cres
Barb Culbertson Cv
Hosfield Pl
Bill Larkin Ln

Redonda St
49 Audette Dr
122 Audette Dr
154 Audette Dr
Audette Dr
Audette Dr
Audette Dr
Murray Rougeau Cr
Murray Rougeau Cr
Murray Rougeau Cr

John Duncan Dr
85 Audette Dr
142 Audette Dr
218 Audette Dr
Audette Dr
Audette Dr
Audette Dr
Murray Rougeau Cr
Murray Rougeau Cr
Audette Dr

Waverley West (South Pointe)

John Angus Dr
John Angus Dr (Service Rd 1)
John Angus Dr (Service Rd 2)
John Angus Dr (Service Rd 3)
John Angus Dr (Service Rd 4)
John Angus Dr (Service Rd 5)
Kingfisher Cr
Pipit Bay
Greyhawk Cv
Bluewing Pl
Brookland Bay

Waverley St
55 John Angus Dr
58 John Angus Dr
158 John Angus Dr
208 John Angus Dr
275 John Angus Dr
John Angus Dr
Kingfisher Cr
Kingfisher Cr
Kingfisher Cr
Kingfisher Cr

Waverley St
71 John Angus Dr
98 John Angus Dr
188 John Angus Dr
244 John Angus Dr
299 John Angus Dr
John Angus Dr
North Limit
South Limit
Kingfisher Cr
John Angus Dr

Goldfinch Way	Kingfisher Cr	Kingfisher Cr
ShIPLEY CRT	John Angus Dr	North Limit
Gelley Cv	John Angus Dr	South Limit
Needlehurst Pl	John Angus Dr	Brookstone Pl
Brookstone Pl	John Angus Dr	John Angus Dr
Bigstone Pl	Brookstone Pl	Brookstone Pl
Flanders Pl	John Angus Dr	North Limit
Tellier Pl	John Angus Dr	South East Limit
Northridge Rd	John Angus Dr	North Limit
Northridge Rd (Service Rd)	# 2 North Ridge Rd	# 50 North Ridge Rd
Caribou Cr	John Angus Dr	John Angus Dr
Caymen Ct	Caribou Cr	Caribou Cr
Aspen Hill PL	Southview Cr	North Limit
Vestford Pl	John Angus Dr	Southview Cr
Grassy Lake Dr	Southview Cr	Southview Cr
Catfish Creek Cv	Southview Cr	North West Limit
Southview Cr	Vestford Pl	John Angus Dr
Birch Point Pl	Cypress Ridge	North West Limit
Cypress Ridge	John Angus Dr	Brookstone Pl