



**THE CITY OF WINNIPEG**

# **BID OPPORTUNITY**

**BID OPPORTUNITY NO. 437-2015**

**2015 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS**

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**APPENDIX A**

**APPENDIX B**

## **PART B - BIDDING PROCEDURES**

### **B1. CONTRACT TITLE**

B1.1 2015 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS

### **B2. SUBMISSION DEADLINE**

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, June 3, 2015.

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 D3.1.1.

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. 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 Bid Opportunity 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 Bid Opportunity, 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.
- B5.2.1 Addenda will be available on the Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/>
- B5.2.2 The Bidder is responsible for ensuring that he/she has received all addenda and is advised to check the Materials Management Division website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B5.2.3 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.

## **B6. SUBSTITUTES**

- B6.1 The Work is based on the Plant, Materials and methods specified in the Bid Opportunity.
- 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 B15.
- 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.
- B6.10 Notwithstanding B6.2 to B6.9, and in accordance with B7.7, deviations inconsistent with the Bid Opportunity document shall be evaluated in accordance with B15.1(a).

## **B7. BID COMPONENTS**

- B7.1 The Bid shall consist of the following components:
- (a) Form A: Bid;
  - (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, to constitute a responsive Bid.
- B7.4 The Bid Submission may be submitted by mail, courier or personal delivery, or by facsimile transmission.
- B7.5 If the Bid Submission is submitted by mail, courier or personal delivery, it shall be enclosed and sealed in an envelope clearly marked with the Bid Opportunity number and the Bidder's name and address, and shall be submitted to:
- The City of Winnipeg  
Corporate Finance Department  
Materials Management Division  
185 King Street, Main Floor  
Winnipeg, MB R3B 1J1
- B7.5.1 Samples or other components of the Bid Submission 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 Submission.
- B7.6 Bidders are advised not to include any information/literature except as requested in accordance with B7.1.
- B7.7 Bidders are advised that inclusion of terms and conditions inconsistent with the Bid Opportunity document, including the General Conditions, will be evaluated in accordance with B15.1(a).
- B7.8 If the Bid Submission is submitted by facsimile transmission, it shall be submitted to 204 949-1178.
- B7.8.1 The Bidder is advised that the City cannot take responsibility for the availability of the facsimile machine at any time.
- B7.8.2 Bids submitted by internet electronic mail (e-mail) will not be accepted.

## **B8. BID**

- B8.1 The Bidder shall complete Form A: Bid, making all required entries.

B8.2 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/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, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Bid.

B8.4 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/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 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.

B9.2 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).

## **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) SM Industries Ltd.
- (b) Precision Joint Sealing Inc.
- (c) Wintec Building Services Inc.

## **B11. QUALIFICATION**

### **B11.1 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.

### **B11.2 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 <http://www.winnipeg.ca/matmgt/debar.stm>

### **B11.3 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);
- (d) have qualified personnel to administer the work. The minimum qualifications shall be determined by the Contract Administrator.

### **B11.4 Further to B11.3(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/Subcontractors has a workplace safety and health program meeting the requirements of The Workplace Safety and Health Act (Manitoba), by providing:**

- (a) 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
- (b) 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
- (c) 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/>).

### **B11.5 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.**



B11.6 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.

## **B12. OPENING OF BIDS AND RELEASE OF INFORMATION**

B12.1 Bids will not be opened publicly.

B12.2 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 Division website at <http://www.winnipeg.ca/matmgt/bidopp.asp>

B12.3 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 Division website at <http://www.winnipeg.ca/matmgt/>

B12.4 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.

## **B13. IRREVOCABLE BID**

B13.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Bid.

B13.2 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.

## **B14. WITHDRAWAL OF BIDS**

B14.1 A Bidder may withdraw his/her Bid without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.

B14.1.1 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.

B14.1.2 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.

B14.1.3 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 B14.1.3(b), declare the Bid withdrawn.

B14.2 A Bidder who withdraws his/her Bid after the Submission Deadline but before his/her Bid has been released or has lapsed as provided for in B13.2 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.

## **B15. EVALUATION OF BIDS**

- B15.1 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 or acceptable deviation there from (pass/fail);
  - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B11 (pass/fail);
  - (c) Total Bid Price;
  - (d) economic analysis of any approved alternative pursuant to B6.
- B15.2 Further to B15.1(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.
- B15.3 Further to B15.1(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 responsible and qualified.
- B15.4 Further to B15.1(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.
- B15.4.1 Further to B15.1(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.

## **B16. AWARD OF CONTRACT**

- B16.1 The City will give notice of the award of the Contract or will give notice that no award will be made.
- B16.2 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.
- B16.2.1 Without limiting the generality of B16.2, 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.
- B16.3 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, in accordance with B15.
- B16.3.1 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.
- B16.4 Notwithstanding C4, the City may issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.
- B16.5 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 Division website at [http://www.winnipeg.ca/matmgt/gen\\_cond.stm](http://www.winnipeg.ca/matmgt/gen_cond.stm)
- 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 and sealing of existing joints and cracks in the pavement of identified streets;

#### **D3. DEFINITIONS**

D3.1 When used in this Bid Opportunity:

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

#### **D4. CONTRACT ADMINISTRATOR**

D4.1 The Contract Administrator is:

Jean-Luc Lambert, P.Eng.  
Support Services Engineer  
Streets Maintenance Division  
104-1155 Pacific Ave.

Telephone No. 204 806-0786  
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.

D4.3 Bids Submissions must be submitted to the address in B7.5.

#### **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. OWNERSHIP OF INFORMATION, CONFIDENTIALITY AND NON DISCLOSURE**

D6.1 The Contract, all deliverables produced or developed, and information provided to or acquired by the Contractor are the property of the City and shall not be appropriated for the Contractors own use, or for the use of any third party.

D6.2 The Contractor shall not make any public announcements or press releases regarding the Contract, without the prior written authorization of the Contract Administrator.

D6.3 The following shall be confidential and shall not be disclosed by the Contractor to the media or any member of the public without the prior written authorization of the Contract Administrator;

- (a) information provided to the Contractor by the City or acquired by the Contractor during the course of the Work;
- (b) the Contract, all deliverables produced or developed; and
- (c) any statement of fact or opinion regarding any aspect of the Contract.

D6.4 A Contractor who violates any provision of D6 may be determined to be in breach of Contract.

## **D7. NOTICES**

D7.1 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.

D7.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D7.3, D7.4 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator at the facsimile number identified in D4.

D7.3 Notwithstanding C21., all notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following facsimile number:

The City of Winnipeg  
Chief Financial Officer

Facsimile No.: 204 949-1174

D7.4 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 facsimile number:

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

Facsimile No.: 204 947-9155

D7.5 **Bids Submissions** must be submitted to the address in B7.4.

## **SUBMISSIONS**

### **D8. AUTHORITY TO CARRY ON BUSINESS**

D8.1 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.

### **D9. SAFE WORK PLAN**

D9.1 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.

D9.2 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>

## **D10. INSURANCE**

D10.1 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.

D10.2 Deductibles shall be borne by the Contractor.

D10.3 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.

D10.4 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.

## **D11. PERFORMANCE SECURITY**

D11.1 If the Contract Price exceeds twenty-five thousand dollars (\$25,000.00), the Contractor shall provide and maintain performance 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; or
- (b) 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 H2: Irrevocable Standby Letter of Credit), in the amount of fifty percent (50%) of the Contract Price; or
- (c) 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.

D11.1.1 Where the performance 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 performance security.

D11.2 The Contractor shall provide the City Solicitor with the required performance 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.

## **D12. SUBCONTRACTOR LIST**

D12.1 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.

### **D13. DETAILED WORK SCHEDULE**

D13.1 The Contractor shall provide the Contract Administrator with a 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.

- (a) The work schedule for Local Street in as outlined in Appendix B shall be grouped by work area.

D13.2 The detailed work schedule shall consist of the following:

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

D13.3 Further to D13.2(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:

D13.4 Further to D13.2(b), the daily manpower schedule shall list the daily number of individuals on the Site for each trade.

R3B 1L1

### **SCHEDULE OF WORK**

#### **D14. COMMENCEMENT**

D14.1 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.

D14.2 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 D8;
  - (ii) evidence of the workers compensation coverage specified in C6.15;
  - (iii) the Safe Work Plan specified in D9;
  - (iv) evidence of the insurance specified in D10;
  - (v) the performance security specified in D11;
  - (vi) the Subcontractor list specified in D12; and
  - (vii) the detailed work schedule specified in D13.
- (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.

D14.3 The Contractor shall commence the Work on the Site within seven (7) Working Days of receipt of the Purchase Order.

D14.4 The City intends to award this Contract by June 26, 2015.

D14.4.1 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.

#### **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, 2015.

## **D16. TOTAL PERFORMANCE**

- D16.1 The Contractor shall achieve Total Performance within sixty (60) consecutive Working Days of the commencement of the Work as specified in D14.
- D16.2 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.
- D16.3 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.

## **D17. LIQUIDATED DAMAGES**

- D17.1 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) Joint & Crack Sealing on Regional Streets – two hundred dollars (\$200);
  - (b) Total Performance – five hundred dollars (\$500).
- D17.2 The amounts specified for liquidated damages in D17.1 are based on a genuine pre-estimate of the City's losses in the event that the Contractor does not achieve critical stages, or Total Performance by the days fixed herein for same.
- D17.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

## **CONTROL OF WORK**

### **D18. JOB MEETINGS**

- D18.1 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.
- D18.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he/she deems it necessary.

### **D19. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)**

- D19.1 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).

### **D20. THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA) – QUALIFICATIONS**

- D20.1 Further to B11.4, 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 B11.4.



## **MEASUREMENT AND PAYMENT**

### **D21. INVOICES**

D21.1 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](mailto:CityWpgAP@winnipeg.ca)

D21.2 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.

D21.3 The City will bear no responsibility for delays in approval of invoices which are improperly submitted.

D21.4 Bids Submissions must be submitted to the address in B7.5.

### **D22. PAYMENT**

D22.1 Further to C12, the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

### **D23. PAYMENT SCHEDULE**

D23.1 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.

## **WARRANTY**

### **D24. WARRANTY**

D24.1 Warranty is as stated in C13.

**FORM H1: PERFORMANCE BOND**  
(See D11)

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

BID OPPORTUNITY NO. 437-2015

2015 JOINT AND CRACK SEALING OF CONCRETE PAVEMENTS 2015 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: IRREVOCABLE STANDBY LETTER OF CREDIT  
(PERFORMANCE SECURITY)**  
(See D11)

\_\_\_\_\_  
(Date)

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

RE: PERFORMANCE SECURITY - BID OPPORTUNITY NO. 437-2015  
2015 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.

Partial drawings are permitted.

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.

This credit is subject to the Uniform Customs and Practice for Documentary Credit (2007 Revision), International Chamber of Commerce Publication Number 600.

\_\_\_\_\_  
(Name of bank or financial institution)

Per: \_\_\_\_\_  
(Authorized Signing Officer)

Per: \_\_\_\_\_  
(Authorized Signing Officer)





## **PART E - SPECIFICATIONS**

### **GENERAL**

#### **E1. APPLICABLE SPECIFICATIONS AND DRAWINGS**

- 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 Division website at <http://www.winnipeg.ca/matmgt/Spec/Default.stm>
- 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 CLEARING AND SEALING**

- E2.1 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 E2.1(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) 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 crack by a maximum of 25 millimetres.
  - (f) All operations described in this specification will be included in payment for the Contract Unit Price per metre for “Joint Sealing” and “Crack Sealing”. No additional payment will be made for the operations described in this specification.

#### **E3. BACKER ROD**

- E3.1 Further to CW 3250-R7, backer rod shall be installed in the joints prior to sealing the Regional Streets. Backer rod when used on Regional Streets will be included in payment for Joint Sealing in Form B: Prices, Unit Prices, Regional Streets (Concrete).



#### **E4. SAW CUTTING EXISTING CONCRETE PAVEMENT JOINTS**

- E4.1 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.
- E4.2 Joints and the pavement surface shall be cleaned of all residue 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 sealer.
- E4.3 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.

#### **E5. SINGLE CUT DEVELOPMENT STREETS**

- E5.1 Further to Specification CW3310-R14, 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.
- E5.2 Any minor residue left behind by the single cut operation including random cuts, shall be immediately cleaned by hand held vacuum.
- E5.3 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.
- E5.4 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, this specification and as accepted and measured by the Contract Administrator.

#### **E6. CLEAN-UP**

- E6.1 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.

#### **E7. TEMPORARY "NO PARKING" SIGNS**

- E7.1 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.
- E7.2 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.

**E8. TRAFFIC CONTROL**

- E8.1 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.
- E8.2 Further to Clause 3.7 of CW 1130-R1, the Contractor shall maintain a minimum of one lane of traffic at all times. Where there is multiple lanes of traffic only one lane of traffic may be closed to perform the work.
- E8.3 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.
- E8.4 All traffic closures subject to be approved by the Contract Administrator.

**E9. WEATHER**

- E9.1 The Contractor shall allow a 24 hour dry period prior to placing joint seal.

**E10. LOCATIONS**

- E10.1 The Contractor shall Joint and Crack Seal Regional Streets listed in Appendix A.
- E10.2 The Contractor shall Joint and Crack Seal Local Streets listed in Appendix B.

## APPENDIX A

### REGIONAL STREETS

Street	From	To
Plessis Road S/B	Devonshire Avenue W.	Kildare Avenue W.
Pembina Hwy N/B	Minerva Avenue	St.Norbert Bridges
Kenaston Boulevard	Scurfiels Avenue	450m. South
Logan Avenue	Weston Railway Tracks	Blake Street
Donald St S/B	50m East of Osborne St	Logopoulous Way
Donald St N/B	35m East of Gertrude Ave	N.Side of 230 Osborne St (2Lanes)
Donald St N/B	N.Side of 230 Osborne St (4 Lanes)	N.Side of 230 Osborne St (2Lanes)
Roblin Boulevard W/B	3810 Roblin Boulevard	45m W. of William Clement Pkwy
Roblin Boulevard E/B	45m W. of William Clement Pkwy	3810 Roblin Boulevard
William Clement Pkwy N. Side of Int.	40m N. of Roblin Blvd	Roblin Blvd
Grant Avenue W/B	Haney Street	Charleswood Curling Club
Grant Avenue E/B	Charleswood Curling Club	Haney Street
Mahatma Ghandi Way	Waterfront Drive	Main Street
Mahatma Ghandi Way	Main Street	Waterfront Drive
Waterfront Drive N/B	Pioneer Avenue	Mahatma Ghandi Way
Waterfront Drive S/B	Mahatma Ghandi Way	Pioneer Avenue
Pioneer Avenue W/B	Esplanade Riel Bridge	Westbrook Street
William Stephenson Way E/B	Westbrook Street	Esplanade Riel Bridge
Sargent Avenue	Ferry Road	Cargo Road
Plessis Road S/B	Devonshire Avenue W.	Kildare Avenue W.
Pembina Hwy N/B	Minerva Avenue	St.Norbert Bridges
Kenaston Boulevard	Scurfiels Avenue	450m. South
Logan Avenue	Weston Railway Tracks	Blake Street
Donald St S/B	50m East of Osborne St	Logopoulous Way

## APPENDIX B

### LOCAL STREETS

Street	From	To
<b>Royalwood North</b>		
Bunton Court	Aubin Drive	Aubin Drive
Aubin Drive	Orchard Hill Drive	Shorehill Drive
Highridge Road	Shorehill Drive N.Leg	Shorehill Drive S.Leg
Highridge Road 3 Bulbs	Highridge Road	Highridge Road
Norcrosse Crescent	Shorehill Drive N.Leg	Shorehill Drive S.Leg
Harbinger Bay	Shorehill Drive N.Leg	Shorehill Drive S.Leg
Beaudry Bay	Shorehill Drive N.Leg	Shorehill Drive S.Leg
Bedard Crescent	Highridge Road	Shorehill Drive
<b>Southdale</b>		
Southbridge Drive	Willowlake Crescent N.Leg	Willowlake Crescent S.Leg
Limetree Cove	Willowlake Crescent	North End
Dogwood Cove	Southbridge Drive	Southbridge Drive
Loneoak Place	Southbridge Drive	Southbridge Drive
Bellington Place	Southbridge Drive	Southbridge Drive
Southbridge Drive (4 Bulbs)	Southbridge Drive	Southbridge Drive
Lonergan Place	Lakewood Boulevard	Lakewood Boulevard
St.Hilaire Place	Beaverhill Boulevard	South End
<b>Minnetonka (St.Mary's Rd)</b>		
Riverpointe Drive	River Road	South End
Marguerite Road	Riverpointe Drive	Ravine Drive
Ravine Drive	Riverpointe Drive	Settlers Road
Settlers Road	Ambroise Lane	River Road
Ambroise Lane	Ravine Drive	Settlers Road
Riverhaven Grove	Ravine Drive	South End (2 Legs Included)
<b>St.Vital (Normand Park)</b>		
Brambleford Cr	Marine Dr	Redview Dr
Florian Pl	Brambleford Cr	North Limit
Normand Park Dr	Redview Dr	West Limit
Normand Park Dr	Redview Dr	Redview Dr
Waterview Cv	Redview Dr	West Limit
Redview Dr	Normand Park Dr S.Leg	South Limit
Kara Cv	Normand Park Dr	South Limit
Henry Pehrson Cv	Normand Park Dr	South Limit
Easy St	Redview Dr	Normand Park Dr

Easy St	Easy St (North Leg)	Normand Park Dr
Reese Cv	Easy St	South Limit
Service Rd	67 Redview Dr Service Rd	75 Redview Dr Service Rd
Service Rd	68 Redview Dr Service Rd	80 Redview Dr Service Rd
Service Rd	95 Redview Dr Service Rd	115 Redview Dr Service Rd
<b>South St.Vital/Southglenn</b>		
Broatman By	John Forsyth Rd	John Forsyth Rd
Theydon Pl	John Forsyth Rd	North Limit
Tiverton Bay	Highbury Road	Highbury Road
Hackmore Crescent	John Forsyth Rd	Highbury Road
Glenham Cove	John Forsyth Rd	John Forsyth Rd
Manor Haven Dr	Basinger Dr	John Forsyth Rd
Gaitwin Cv	Basinger Dr	East Limit
Coombs Dr	John Forsyth Rd	Ashworth St
Croft Pl	Coombs Pl	South Limit
Everden Rd	Ashworth St	John Forsyth Rd
Draho Cr	Everden Rd	Coombs Pl
Basinger Dr	John Forsyth Rd	Ashworth St
Winterhaven Drive	John Forsyth Rd	John Forsyth Rd
Beckwith Lane	Winterhaven Drive	John Forsyth Rd
Tretheway Cs	John Forsyth Rd	John Forsyth Rd
Gablehurst Cr	Ashworth St	John Forsyth Rd
Ashworth St	John Forsyth Rd	Warde Avenue
Julia Road	Ashworth St	Abbotsfield Dr
Julia Road (Cove)	Julia Road	Julia Road
Abbotsfield Drive	Ashworth St	Aldgate Rd
Wilford Crescent	Ashworth St	Ashworth St
Lanyon Drive	Warde Ave	Fulton St
Fulton Street	Ashworth St	Abbotsfield Dr
Hochman Avenue	Lanyon Drive	Abbotsfield Dr
Coleman Cove	Abbotsfield Dr	Abbotsfield Dr
Eastbrook Cove	Abbotsfield Dr	Abbotsfield Dr
Warde Avenue	Ashworth St	60m East of Lanyon Dr.
Eastmount Dr	Ashworth St	Simon Dr
Simon Dr	Southglen Bv	Eastmount Dr (S.Leg)
Kevin Pl	Simon Dr	West Limit
Sauve Cr	Southglen Bv	Simon Dr
Hedgestone Cr	Ashworth St	Eastmount Dr
Satinwood Pl	Ashworth St	Sundial Pl
Sundial Cr	Southglen Bv	Southglen Bv
Sachet Pl	Southglen Bv	North Limit

Sheldon Dr	Southglen Bv	North Limit
Sandlily Dr	Southglen Bv	Suave Cr
Shoal PI	Southglen Bv	South Limit
Alderbrook Rd	Barlow Cr	Ashworth St
Browton PI	Barlow Cr	North Limit
Barlow Cr	Warde Av	Browton PI
Hollingbury PI	Barlow Cr	North Limit
Pellham Rd	Barlow Cr	Barlow Cr
Balham Street	Barlow Cr	Queensbury Bay
Queensbury Bay	Southglen Bv	Southglen Bv
Goldthorpe Crescent	Southglen Bv	Greenford Avenue
Greenford Avenue	Goldthorpe Crescent/North End	Southglen Bv
Amersham Crescent	Greenford Avenue	Southglen Bv
Peadin Place	Amersham Crescent	Amersham Crescent
Munn Road	Southglen Bv	North End
Hirt Crescent	Southglen Bv	Ashworth St
Harlesden Drive	Lambeth Rd/West End	Ashworth St
Lambeth Road	Harlesden Drive	Marinus Place
Marinus Place	Polydore Road	West End Cul De Sac
Kennington Bay	NovaVista Dr East Leg	30 Kennington Bay
Turnham Drive	Kennington Bay	NovaVista Dr
Sheridan Place	Turnham Drive	Turnham Drive
Bramton Street	NovaVista Dr	North End
Lafortune Bay	Brixford Crescent E.Leg	Brixford Crescent W.Leg
Gobert Crescent	Aldgate Road	Aldgate Road
Beacontree Bay	Aldgate Road	Aldgate Road
Vermette Place	Gobert Crescent	West End
Perenteau Place	Gobert Crescent	West End
Villiers Place	Gobert Crescent	West End
Tilstone Bay	Aldgate Road	South End
Orford Crescent	Tilstone Bay	Aldgate Road
Cummings Crescent	Aldgate Road	Kingsclear Drive
Kingsclear Drive	49 Kingsclear Drive	Aldgate Road
Cactus Cove	Aldgate Road	North End
Hallfield Bay W.Leg	Aldgate Road	48 Hallfield Bay W.Leg
Sloane Crescent	Hallfield Bay	Aldgate Road
Ralston Crescent	Aldgate Road	Hallfield Bay
Hallfield Bay E.Leg	Ralston Crescent	Aldgate Road
Pentonville Crescent	Aldgate Road	Ravensden Drive
Clapham Cove	Kamberwell Bay	North End