



THE CITY OF WINNIPEG

BID OPPORTUNITY

BID OPPORTUNITY NO. 771-2014

**SNOW CLEARING ON COLLECTOR AND LOCAL STREETS, BACK LANES AND
SIDEWALKS WITHIN THE EAST AREA (SOUTH/EAST)**

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 SNOW CLEARING ON COLLECTOR AND LOCAL STREETS, BACK LANES AND SIDEWALKS WITHIN THE EAST AREA (SOUTH/EAST)

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, October 1, 2014.

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 D4.1.

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 promptly notify the Contract Administrator of the error, discrepancy or omission at least five (5) Business Days prior to the Submission Deadline.

B3.3 If the Bidder is unsure of the meaning or intent of any provision therein, the Bidder should request clarification as to the meaning or intent prior to the Submission Deadline.

B3.4 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.

B3.5 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.

B3.6 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/bidopp.asp>
- 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.
- B5.3 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 B14.
- 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 B7.5, deviations inconsistent with the Bid Opportunity document shall be evaluated in accordance with B14.1(a).

B7. BID SUBMISSION

- 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 in ink, to constitute a responsive Bid.
- B7.4 Bidders are advised not to include any information/literature except as requested in accordance with B7.1.
- B7.5 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 B14.1(a)
- B7.6 The Bid may be submitted by mail, courier or personal delivery, or by facsimile transmission.
- B7.7 If the Bid 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
- B7.7.1 Samples or other components of the Bid which cannot reasonably be enclosed in the envelope may be packaged separately, but shall be clearly marked with the Bid Opportunity number, the Bidder's name and address, and an indication that the contents are part of the Bidder's Bid Submission.
- B7.8 If the Bid 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.

B7.9 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.

B9.1.1 Notwithstanding C11.1.3, prices on Form B: Prices shall not include the Goods and Services Tax (GST) or Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable.

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. QUALIFICATION

B10.1 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, or if the Bidder does not carry on business in Manitoba, in the jurisdiction where the Bidder does carry on business; 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.

B10.2 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>

B10.3 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);

B10.4 Further to B10.3(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) 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/>.)

B10.5 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.

B10.6 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.

B11. OPENING OF BIDS AND RELEASE OF INFORMATION

B11.1 Bid Submissions will not be opened publicly.

B11.2 Following the Submission Deadline, the names of the Bidders and their 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/>

B11.3 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/>

B11.4 The Bidder is advised that any information contained in any Bid may be released if required by City policy or procedures, The Freedom of Information and Protection of Privacy Act (Manitoba), or by other authorities having jurisdiction.

B12. IRREVOCABLE BID

B12.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Bid.

B12.2 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.

B13. WITHDRAWAL OF BIDS

B13.1 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.

B13.1.1 Notwithstanding C22.5, 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.

B13.1.2 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.

B13.1.3 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 B13.1.3(b), declare the Bid withdrawn.

B13.2 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 B12.2 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.

B14. EVALUATION OF BIDS

B14.1 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 therefrom (pass/fail);
- (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B10 (pass/fail);
- (c) Total Bid Price;

(d) economic analysis of any approved alternative pursuant to B6;

B14.2 Further to B14.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid Submission 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.

B14.3 Further to B14.1(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.

B14.4 Further to B14.1(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.

B14.4.1 Further to B14.1(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.

B14.5 This Contract will be awarded as a whole.

B15. AWARD OF CONTRACT

B15.1 The City will give notice of the award of the Contract or will give notice that no award will be made.

B15.2 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.

B15.2.1 Without limiting the generality of B15.2, 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.

B15.3 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 B14 .

B15.3.1 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.

B15.4 Notwithstanding C4.1, the City may issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.

B15.5 The Contract Documents, as defined in C1.1(n)(ii), 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 Supply of Services* (Revision 2007 04 12) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for Supply of Services* 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 Bid Opportunity to a section, clause or subclause with the prefix “**C**” designates a section, clause or subclause in the *General Conditions for Supply of Services*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

- D1.1 In addition to the *General Conditions for Supply of Services*, these Supplemental Conditions are applicable to the Work of the Contract.
- D1.2 The General Conditions are amended by striking out "The City of Winnipeg Act" wherever it appears in the General Conditions and substituting "The City of Winnipeg Charter".
- D1.3 The General Conditions are amended by striking out "Board of Commissioners" or "Commissioner" wherever it appears in the General Conditions and substituting the "Chief Administrative Officer".
- D1.4 The General Conditions are amended by striking out "Tender Package" wherever it appears in the General Conditions and substituting "Bid Opportunity".
- D1.5 The General Conditions are amended by striking out "Tender Submission" wherever it appears in the General Conditions and substituting "Bidding Procedures".
- D1.6 The General Conditions are amended by striking out "Bidding Instructions" wherever it appears in the General conditions and substituting "Bidding Procedures".

D2. SCOPE OF WORK

- D2.1 The Work to be done under the Contract shall consist of snow clearing supplemental to the City of Winnipeg's snow clearing operations for the period of October 15, 2014 to April 15, 2017, with a one (1) year extension at the option of the City, under mutually agreeable terms.
- D2.1.1 Snow clearing shall be performed on those bus route and collector, and residential streets, back lanes and sidewalk listed in Appendix A, Appendix B, Drawing 1, Drawing 2 and Drawing 3, where full width snow clearing is required on all or a major portion of the above streets.
- D2.2 The Contractor shall perform the Work of this Contract on an "as-required" basis for three (3) winter season from October 15, 2014 to April 15, 2017 except as hereinafter specified:
- (a) the Contractor may be required to remove snow which has fallen prior to October 15th and is on the streets as of that date;
 - (b) the Contractor shall continue and complete all authorized Work for a snowfall that begins on or before April 15th, notwithstanding that the Work occurs after April 15th; and,
 - (c) the Contractor shall remedy all damage and deficiencies such as curb damage by June 30th following the Contract year;
 - (d) the above requirements will apply also to any extension mutually agreed upon.
- D2.3 The major components of the Work are as follows:
- (a) full width snow clearing on the Priority II (Bus Routes and Collectors) Streets System identified in Appendix A and Drawing 1;
 - (b) full width snow clearing on the Priority III (Residential) Street System identified in Appendix B and Drawing 1;
 - (c) 2.7 metre width snow clearing on back lanes identified on Drawing 2;
 - (d) 1.5 metre width snow clearing on sidewalks on Priority II and III streets identified on Drawing 3;
 - (e) opening and keeping streets and lanes open during a major snowfall and/or snow blizzard;

- (f) snow clearing using truck plows on Priority II and Priority III streets noted in Appendices A, and B;
- (g) other winter maintenance activities as required between major snowfalls.

D2.4 The Contract Administrator reserves the right to perform routine winter maintenance on the streets listed in Appendices A and B, back lanes shown on Drawing 2, and sidewalks shown on Drawing 3 using City forces. Routine winter maintenance includes:

- (a) curb lane spot plowing of street sections;
- (b) full width spot plowing of street sections;
- (c) spot plowing of back lane sections;
- (d) spot plowing of sidewalk sections;
- (e) curb lane truck plowing;
- (f) full width truck plowing;
- (g) widening for snow storage;
- (h) snow hauling;
- (i) clearing of drainage inlets in spring.

D3. DEFINITIONS

D3.1 When used in this Bid Opportunity:

- (a) "**Business Day**" means any Calendar Day, other than a Saturday, Sunday, or a Statutory or Civic Holiday;
- (b) "**Submission Deadline**" and "Time and Dates Set for the Final Receipt of Bids" means the time and date set out in the Bidding Procedures for final receipt of Bids;
- (c) "**User**" means a person, department or other administrative unit of the City authorized by the Contract Administrator to order Work under this Contract;
- (d) "**Highway**" means any place or way, including any structure forming part thereof, which or any part of which the public is ordinarily entitled or permitted to use for the passage of vehicles or pedestrians, with or without fee or charge therefore, and includes all the space between the boundary lines thereof, whether or not used for vehicular or pedestrian traffic; and, without restricting the generality of the foregoing, includes roads, road allowances, streets, lanes, thoroughfares and other means of communication dedicated to the public use as highways as so defined, and also includes all bridges, subways, underpasses, grade separations, piers, wharves, ferries, and squares, and the road improvements thereon, dedicated to the public use.
- (e) "**Roadway**" means the paved portion of the street that is used exclusively for the passage of motorized vehicles.
- (f) "**Street**" means a highway over which the City of Winnipeg has jurisdiction.
- (g) "**Sidewalk**" means the paved portion of the street that is used exclusively for a passage of pedestrians.
- (h) "**Back lane**" means a highway situated wholly within the limits of any city, town or village or restricted speed area or reduced restricted speed area which has been designated, constructed and intended to provide access to and service at the rear of places of residence or business and includes alleys having a right-of-way width of not more than 9 metres.
- (i) "**Boulevard**" means the area between the street line and the nearest edge of a roadway and/or the area separating the roadways or a divided highway.
- (j) "**Street Right-of-Way**" means the limit of the publicly-owned land acquired for and devoted to streets, boulevards, appurtenances, as well as underground facilities.

- (k) "**Private Approach**" and "**Approach**" means a roadway, culvert crossing or other structure theretofore and hereafter, erected, installed or maintained in a street between the property of an owner and the nearest curb or edge of a roadway in the said street, for the use or benefit of the owner or occupant of the property adjoining or connected therewith, but does not include a roadway or other structure constructed for such purpose within an alley.
- (l) "**Traffic Lane**" means a 3.6 metre or greater width of pavement.
- (m) "**Pavement**" or the adjective "Paved" when used to describe a street, road, alley or other area, means an area which has a surface constructed of Portland Cement concrete, asphaltic concrete, brick, tile or similar material.
- (n) "**Bare Pavement**" means that the Contractor shall endeavour to completely clear the full pavement width of snow.
- (o) "**Face to face**" of curb on II streets means the periodic exposure of the barrier curb vertical face with a maximum horizontal deviation of 150 mm (6 inches). This will enable the full width of the curb lane to be available for vehicular traffic.
- (p) "**Face to face**" of curb on Priority III streets means the periodic exposure of the top of the roll curb with a maximum horizontal deviation of 300 mm (12 inches) from the top of the curb into the traffic lane. Where barrier curb exists on Priority III streets, "face to face" curb means the periodic exposure of the barrier curb vertical face with a maximum horizontal deviation of 150 mm (6 inches).
- (q) "**Hauling**" means the relocation of cleared snow volumes by equipment normally employed for the snow clearing activity, but does not include the use of trucks.
- (r) "**Hauling away**" means the relocation of cleared snow volumes by use of trucks for purposes of transporting to a distant storage location.
- (s) "**Snow**" means all forms of frozen precipitation including ice associated with such snow.
- (t) "**Wing back**" means the Contractor shall push back the windrow to create storage space for snow in future plowing operations.
- (u) "**Cross Walk**" means any sidewalk at street intersections or at signed corridors.
- (v) "**Compacted Snow Surface**" of back lanes means a level, dense compacted layer of snow that will only allow minimal rutting from vehicular traffic and has a maximum thickness of 200mm from the compacted snow surface to underlying pavement.

D4. CONTRACT ADMINISTRATOR

D4.1 The Contract Administrator is:

Jean-Luc Lambert, E.I.T
Streets Preservation Specialist
Acting Support Services Supervisor
Telephone No. 204- 806-0786
Facsimile No. 204- 986-5566

D4.2 At the pre-commencement 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 Further to C6.19, the Contractor shall employ and keep on the Work, at all times during the performance of the Work, a competent supervisor and assistants, if necessary, acceptable to the Contract Administrator. The supervisor shall represent the Contractor on the Site. The supervisor shall not be replaced without the prior consent of the Contract Administrator unless the supervisor proves to be unsatisfactory to the Contractor and ceases to be in his/her employ.

D5.2 Before commencement of Work, the Contractor shall identify his/her designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.

D5.2.1 Further to C5.5 Contract Administrator may give instructions or orders to the Contractor's supervisor and such instructions or orders shall be deemed to have been given to the Contractor.

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. OPERATOR'S COMPETENCE AND PERFORMANCE

D7.1 The Contractor's operator shall maintain all equipment/trucks in good working order and shall perform all obligations expressed and implied in this Bid Opportunity in a good, safe and workmanlike manner. Where, in the opinion of the City Inspector, an operator fails to meet the obligations expressed or implied in this Bid Opportunity, and without limited the generality of the foregoing, the operator is:

- (a) unqualified, or
- (b) operating in an unsafe manner, or
- (c) not performing a satisfactory amount of Work, or
- (d) engaged in activity outside the City's interests.

D7.2 The equipment/truck and operator may be dismissed immediately and shall not be re-engaged until such time as the inadequacies that resulted in the dismissal have been remedied to the sole satisfaction of the Contract Administrator.

D8. NOTICES

D8.1 Notwithstanding C22.3, 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

SUBMISSIONS

D9. AUTHORITY TO CARRY ON BUSINESS

D9.1 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.

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; such liability policy to also contain a cross-liability clause, contractual liability, non-owned automobile liability, unlicensed equipment liability (contractors equipment) and products and completed operations cover, to remain in place at all times during the performance of the Work;
- (b) 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 Service. 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;

D10.2 Deductibles for commercial general liability must be expressly stated on the certificate of insurance and must not exceed \$5,000.00.

D10.3 Deductibles shall be borne by the Contractor.

D10.4 The Certificate must clearly state: "Operations include snow removal on City right-of-ways during winter months" (i.e. insurance to cover snow removal and ice control of streets, roadways, back lanes/alleys, sidewalks, etc.).

D10.5 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 on the Site but in no event later than the date specified in C4.1 for the return of the executed Contract.

D10.6 The Contractor shall not cancel, materially alter, or cause the policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the Contract Administrator.

SCHEDULE OF WORK

D11. COMMENCEMENT

D11.1 The Contractor shall not commence any Work until he/she is in receipt of a notice of award from the City authorizing the commencement of the Work.

D11.2 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 D9;
 - (ii) evidence of the workers compensation coverage specified in C6.14; and
 - (iii) evidence of the insurance specified in D10.
- (b) the Contractor has attended a meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a meeting.

D12. TOTAL PERFORMANCE

- D12.1 The Contractor shall achieve Total Performance by June 30, 2017, for work specified in D2.
- D12.2 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.
- D12.3 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.

CONTROL OF WORK

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

- D13.1 Further to C6.23, 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).

D14. THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA) – QUALIFICATIONS

- D14.1 Further to B10.4, 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 B10.4.

D15. SAFETY

- D15.1 The Contractor shall be solely responsible for safety at the Site and for compliance with all laws, rules, regulations and practices required by the applicable safety legislation.
- D15.2 The Contractor shall be solely responsible for securing the Site, and any existing facility thereon, and for the proper care and protection of the Work already performed.
- D15.3 The Contractor shall do whatever is necessary to ensure that:
- (a) no person, property, right, easement or privilege is injured, damaged or infringed by reason of the Contractor's activities in performing the Work;
 - (b) the health and safety of all persons employed in the performance of the Work or otherwise is not endangered by the method or means of its performance;
 - (c) adequate medical services are available to all persons employed on the Work and at all times during the performance of the Work;
 - (d) adequate sanitation measures are taken and facilities provided with respect to the Work.
 - (e) pedestrian and other traffic on any public or private road or waterway is not unduly impeded, interrupted or endangered by the performance or existence of the Work or Plant;
 - (f) fire hazards in or about the Work are eliminated;

MEASUREMENT AND PAYMENT

D16. PAYMENT

- D16.1 Further to C11, the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

PART E - SPECIFICATIONS

GENERAL

E1. APPLICABLE SPECIFICATIONS AND DRAWINGS

E1.1 These Specifications shall apply to the Work.

E1.2 The following are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
1	East Area (South/East) Snow Clearing Priority Streets
2	East Area (South/East) Snow Clearing Back Lanes
3	East Area (South/East) Snow Clearing Sidewalks

E1.3 Bidders are reminded that requests for approval of substitutes as an approved equal or an approved alternative shall be made in accordance with B6.

E2. SNOW CLEARING REQUIREMENTS

E2.1 General Work

E2.1.1 The entire shoulder width of highway type pavement shall be cleared of snow during the snow clearing operation.

E2.1.2 The entire length of the curb along the centre median shall be cleared to the face of the curb.

E2.1.3 Snow shall be cleared from centre median crosswalks and shall be stored on the side boulevards.

E2.1.4 Snow from centre median openings and traffic storage lanes shall be removed and stored in the side boulevards.

E2.1.5 Windrows at all intersections, cross walks, corridors, railway crossing and private approaches shall be removed in the initial clearing operations. The windrows shall be pushed downstream of traffic or into available storage area on the street right-of-way in order to eliminate blind spots for motorists. Snow shall not be placed on boulevards at or near corners so as to block visibility of vehicles moving through the intersection.

E2.1.6 Windrows at pedestrian corridors shall be cleared for a distance of fifteen (15) metres approaching the corridor and five (5) metres leaving the corridor on undivided roadways and for a distance of fifteen (15) metres approaching the corridor on divided roadways.

E2.1.7 Windrows at bus stops shall be removed to a distance of twelve (12) meters upstream from the bus stop sign. The bus stop platform and walk area connecting to the adjacent sidewalk shall be level to provide a safe footing for pedestrians.

E2.1.8 Snow windrows at hydrants shall be removed a loader bucket width.

E2.1.9 Snow windrows shall be removed a loader bucket width and a path cleared by back blading to a hard surface from the curb to the sidewalk at a limited number of locations designated as handicapped access. Actual addresses will be supplied to the Contractor after Contract award.

E2.1.10 Snow shall be removed around all G.R.E.A.T. (Guard Rail Energy Absorbing Terminal), Energite Barrel installations and between the curb and any adjacent guard rail that is within 3m of the curb and in the right-of-way. The G.R.E.A.T. units are used as crash cushions on the ends of guard rails to avoid abrupt stoppage of a vehicle. The Energite Barrel installations are used as crash cushions near overhead signs or any posts which do not have breakaway bases. This Work must be done carefully (by hand where necessary) such that the installations are not hit by snow clearing equipment or left covered in snow.

The location of a limited number of installations will be supplied to the Contractor after the award.

- E2.1.11 Where adequate storage exists adjacent to the street, snow spillage onto the street as a result of the snow clearing operation shall be removed immediately by the Contractor. Any snow not removed may be removed by the City and the cost of the Work charged to the Contractor.
- E2.1.12 The City reserves the right, at its sole discretion, to allow windrow snow storage on the curb lane where no storage exists, provided that a reasonable attempt, satisfactory to the Contract Administrator or his designate, is made to minimize the extent of the encroachment during the Contractor's snow clearing operation. This storage shall only be utilized when specifically directed to do so by the Contract Administrator or his designate and only during unusual snow and blizzard conditions.
- E2.1.13 Snow shall not be deposited on islands between a yield or turnoff and the main roadway.
- E2.1.14 Snow shall not be stored or deposited on private property.
- E2.1.15 Snow from snow clearing operations shall not be deposited in sidewalk areas. All blocked sidewalk ends at intersections must be immediately cleared of snow in order to provide access for pedestrians and sidewalk plows. Any snow not immediately removed may be removed by the City and the resulting cost of the Work charged against the Contractor.
- E2.1.16 Snow from intersection windrows shall not be placed in bus stop areas.
- E2.1.17 The Contractor shall remove snow from the centre median (median cut) for snow storage and snow thaw purposes as and where directed, by the Contract Administrator. The median cut shall be to a width of 0.6 m from the curb face and shall not expose, but be within 100 mm of the median surface. The median cut shall be carried out in conjunction with the adjacent grader plow operations, and shall be included in the lane km price.
- E2.1.18 Snow removal at traffic circles shall include the removal of snow from the inner shoulder area, which shall be considered incidental to the full width snow clearing operation.
- E2.1.19 Work for each snow clearing operation shall commence only upon the instructions of the Contract Administrator.
- E2.1.20 Normally, Priority II (Bus Routes and Collectors) Streets shall receive the highest priority for snow clearing followed by Priority III (Residential) Streets. However, the Contract Administrator may direct otherwise and the Contractor shall conform to all such directives, either oral or written.
- E2.1.21 Back lane and sidewalk snow clearing operations will normally be undertaken concurrently with street and street priority operations. However, the Contract Administrator may direct otherwise and the contractor shall conform to all such directives.
- E2.1.22 The Contractor shall respond immediately to rectify snow clearing deficiencies which generate citizens' complaints. If in the opinion of the Contract Administrator, the response is inadequate, then the City shall have the option of performing the necessary Work and the costs of such Work shall be borne by the Contractor.
- E2.1.23 The Contractor shall coordinate residential plowing location to minimize conflicts with the Waste/Recycling collection. Where conflicts are unavoidable the Contract Administrator will give instructions to the Contractor to relocate Waste/Recycling containers during the plowing operations.
- E2.2 **PRIORITY II (BUS ROUTES/COLLECTORS) STREETS (See Appendix A)**
- E2.2.1 Snow clearing activities on Priority II streets includes:
- (a) full width snow clearing and hauling;
 - (b) curb lane snow clearing;
 - (c) truck plow snow clearing;

- (d) interim plowing during major snowfalls; and
 - (e) other winter maintenance Work.
- E2.2.2 Snow clearing on Priority II streets may be required after:
- (a) a recent accumulation of 5 cm or more of snowfall;
 - (b) poor street conditions caused by less than 5 cm of recent snow accumulation accompanied by snow drifting; and
 - (c) gradual accumulation of snowfall results in poor street conditions.
- E2.2.3 Priority II streets shall be completed within a twenty-four (24) hour period for a clearing operation of a recent accumulation following the time of commencement designated by the Contract Administrator.
- E2.2.4 Priority II streets shall be cleared to bare pavement over the full pavement width. The Contractor shall wing back snow windrows in order to create the required storage and perform the 0.6 m median cut as directed by the Contract Administrator. Where the Contractor is unable to meet the requirements of this specification due to parked vehicles, he shall arrange for a sign and tow operation with City forces to facilitate completion in these areas.
- E2.2.5 Payment for the full width snow clearing of Priority II streets will be made at the unit price per lane kilometre and all the Work herein described shall be considered as incidental to the Contract and no further compensation will be considered.
- E2.3 PRIORITY III (RESIDENTIAL) STREETS (See Appendix B)
- E2.3.1 Residential streets shall normally be cleared after:
- (a) a recent snow accumulation of 10 cm or more;
 - (b) poor street conditions caused by less than 10 cm of recent snow accumulation accompanied by snow drifting; and
 - (c) gradual accumulation of snowfall resulting in poor street conditions.
- E2.3.2 Residential streets shall normally be cleared after Priority II streets.
- E2.3.3 Priority III streets shall be completed within a thirty-six (36) hour period following the commencement time designated by the Contract Administrator.
- E2.3.4 When Priority III streets are plowed within the same clearing operation as Priority II streets, the Priority III streets shall be completed within sixty (60) hours following the commencement time for the clearing of the Priority II streets.
- E2.3.5 Priority III streets shall be cleared to bare pavement over the full pavement width. The Contractor shall wing back snow windrows in order to create the required storage as directed by the Contract Administrator. Where the Contractor is unable to meet the requirements of this specification due to parked vehicles, he shall arrange for a sign and tow operation with City forces to facilitate completion in these areas.
- E2.3.6 Notwithstanding the requirements of this specification, abnormal snow and ice conditions may make it impossible to adequately clear the Priority III streets to bare pavement. On those occasions, the Contract Administrator shall determine the level of snow clearing required and the time required to complete the operation.
- E2.3.7 Payment for the full width snow clearing of Priority III streets will be made at the unit price per lane kilometre and all the Work herein described shall be considered as incidental to the Contract and no further compensation will be considered.
- E2.3.8 Prior to October 15 of the Contract year:
- (a) the Contract Administrator shall provide to the Contractor a grouping of streets to be completed in each twelve (12) hour shift. Each twelve (12) hour shift will be recognized as a Designated Snow Clearing Zone;

- (b) the Contract Administrator shall assign a letter to each Designated Snow Clearing Zone based upon the Residential Parking Band. Commencement date and time will determine whether the Designated Snow Clearing Zone is cleared between 0700 to 1900 hours or 1900 to 0700 hours; and
- (c) the Contractor shall provide a start point and equipment deployment schedule for each Designated Snow Clearing Zones.

E2.3.9 The Contractor is responsible to ensure timeframes are adhered to when clearing operations have commenced as per the Residential Parking Band.

E2.4 BACK LANES (see Drawing 2)

E2.4.1 Back lanes shall normally be cleared after:

- (a) a recent snow accumulation of 5 cm or more;
- (b) poor back lane conditions caused by less than 5 cm of recent snow accumulation accompanied by snow drifting; and
- (c) gradual accumulation of snowfall resulting in poor back lane conditions.

E2.4.2 Back lanes shall normally be cleared concurrently with Priority II street snow clearing operations and shall normally be undertaken during the day shift (0700 hours to 1900 hours) unless otherwise directed by the Contract Administrator.

E2.4.3 Back lanes shall be completed within a forty-eight (48) hour period following the commencement time designated by the Contract Administrator.

E2.4.4 Back lanes shall be cleared to a width of 2.7m and maintained to a compacted snow surface as defined in D3.

E2.4.5 Payment for back lane snow clearing will be made at the unit price per kilometre and all work herein described shall be considered incidental to the contract and no further compensation will be considered.

E2.5 SIDEWALKS (see Drawing 3)

E2.5.1 Sidewalks shall normally be cleared after:

- (a) a recent snow accumulation of 5 cm or more for sidewalks on Priority II streets and 8 cm or more for sidewalks on Priority III streets;
- (b) poor sidewalk conditions caused by less than 5 cm of recent snow accumulation accompanied by snow drifting, and
- (c) gradual accumulation of snowfall resulting in poor sidewalk conditions.

E2.5.2 Sidewalks on Priority II streets shall normally be cleared concurrently with Priority II street clearing operations.

E2.5.3 Sidewalk snow clearing on Priority II streets shall be completed within a thirty-six (36) hour period following the commencement time designated by the Contract Administrator. Sidewalk snow clearing on Priority III streets shall be completed within hundred and twenty (120) hours of the commencement time designated by the Contract Administrator.

E2.5.4 Sidewalks in the immediate vicinity of schools, hospitals and seniors complexes shall be given their highest priority when scheduling and routing sidewalk clearing operations. Where a senior complex is situated on a Priority III street, the sidewalk to the most logical Priority I or II street shall be cleared within thirty-six (36) hour of any walk clearing operation.

E2.5.5 Sidewalks shall be cleared to a width of 1.5 m and maintained to a compacted snow surface.

E2.5.6 Payment for sidewalk snow clearing will be made at the unit price per kilometre and all work herein described shall be considered incidental to the contract and no further compensation will be considered.

E3. HOURLY EQUIPMENT SERVICES

E3.1 GENERAL

- E3.1.1 Snow clearing equipment shall be supplied on an hourly basis when requested by the Contract Administrator for winter maintenance activities between storms and opening up streets, back lanes and sidewalks and keeping them open during major snow storms and blizzards.
- E3.1.2 Snow hauling equipment shall be supplied on an hourly basis when requested by the Contract Administrator for the loading and hauling away of snow between major snowfalls.
- E3.1.3 Any equipment supplied by the Contractor on an hourly basis shall meet the following specifications:
- (a) **Semi-Trailer Dump Trucks:** Category 3 GVW 36,500 kg;
 - (b) **J2 Class Loaders:** Rubber Tired - 4 Wheel Drive Loader;
 - (i) SAE Net Horsepower Minimum 75 H.P.;
 - (ii) Operating Weight 15,000-20,000 lbs.; and
 - (iii) Bucket Size 1.5 – 2.25 cu. yd.
 - (c) **J3 Class Loaders:** Rubber Tired - 4 Wheel Drive Loader;
 - (i) SAE Net Horsepower Minimum 100 H.P.;
 - (ii) Operating Weight 21,000-28,000 lbs. (9,500 kg – 13,000 kg); and
 - (iii) Bucket Size 2.25 – 3.0 cu. yd.
 - (d) **J5 Class Loaders:** Rubber Tired - 4 Wheel Drive Loader;
 - (i) SAE Net Horsepower Minimum 160 H.P.;
 - (ii) Operating Weight 31,000 – 41,000 lbs. (14,000 kg – 18,500 kg); and
 - (iii) Bucket Size 2.7m (8'9") width.
 - (e) **K4 Class Motor Graders:** Minimum 140 Flywheel Horsepower;
 - (f) **K5 Class Motor Graders:** Minimum 160 Flywheel Horsepower; and
 - (g) **Truck Plows:** As specified in E3.2 and E4.7 of the Specifications.
- E3.1.4 Contract supervision shall be as specified in E6.
- E3.1.5 The Contract Administrator may request snow clearing equipment on an hourly basis up to the number and type of pieces of equipment specified in E4.
- E3.1.6 The Contractor shall respond to the assigned location within two (2) hours of official notice from the Contract Administrator or be subject to penalties as outlined in E14.
- E3.1.7 Contractors will be required to fill out approved Work tickets showing hours of Work, type of equipment, equipment model and serial number. All Work tickets must be signed by the City inspector and a representative of the Contractor to be valid.
- E3.1.8 Payment for hourly equipment will be made based on the hours actually worked and the unit price per hour shown in Form B: Prices. There will be no overtime premium for Work under this Contract.

E3.2 TRUCK PLOW CLEARING OPERATIONS

- E3.2.1 Notwithstanding the requirements of E1.1 of the Specifications, the clearing of snow using truck plows shall be in accordance with the following:
- (a) Truck plowing on Priority II and Priority III streets may be required during and after any measurable snowfall. The decision to perform a snow clearing operation will be made by the Contract Administrator or his designate;
 - (b) Priority II (Bus Routes and Collectors) streets shall normally receive the highest priority for snow clearing followed by Priority III (Residential) streets;

- (c) Priority II and Priority III streets shall be cleared to bare pavement over the full width, except at isolated locations where parked cars make the plowing of the curb lane(s) impossible;
- (d) Notwithstanding E7 the Contractor may be directed to clear only the travel lanes;
- (e) Windrows at all intersections, crosswalks, corridors, railway crossings and private approaches shall be removed if the Contract Administrator or his designate deem that they present a hazard to traffic;
- (f) Reasonable care shall be taken so that snow from the truck plow clearing operations shall not be deposited in sidewalk areas. Snow deposited on the sidewalk areas unnecessarily shall be removed by the Contractor at his expense; and
- (g) Snow may be deposited on centre medians when allowed by the Contract Administrator.

E4. EQUIPMENT

E4.1 The Contractor shall provide the following minimum quantity and type of equipment in first class working condition:

- (a) 9 motor graders;
- (b) 10 loaders;
- (c) 6 truck plows;
- (d) 2 sidewalk snow plows; and
- (e) 1 sidewalk snow blower.

E4.2 All equipment shall be made available for inspection by the Contract Administrator or his designate prior to the award of Contract.

E4.3 The Bidder is not required to own the equipment at the time of the Submission Deadline. The Bidder shall, however, provide the Contract Administrator, within seventy-two (72) hours of being requested, the name of the registered owner of each proposed piece of equipment and a copy of a binding contract, or option to purchase or to contract, for the use of the equipment for the duration of the Contract.

E4.4 LIGHTING

E4.4.1 Each vehicle and each piece of equipment shall be provided with all of the necessary lighting prescribed by the motor vehicle laws of the Province of Manitoba.

E4.4.2 Notwithstanding the generality of the foregoing, the Contractor shall ensure that all equipment is equipped with working lighting systems sufficient to facilitate the Work. At a minimum, all equipment must be equipped with the following lighting:

- (a) at least two headlights;
- (b) at least two rear running lights;
- (c) turning signals front and rear;
- (d) stop light at rear;
- (e) at least one flashing or oscillating blue or amber light, clearly visible in all directions (360 degrees);
- (f) if the machine is in excess of two (2) metres wide, at least four clearance lights (one green or amber light on each side at the front, facing the front, and one red light on each side at the rear facing rear-ward).
- (g) All equipment must maintain proper lighting though out the entire shift or be removed from hired and contract work.

E4.5 IDENTIFICATION

E4.5.1 All equipment shall be clearly labelled, indicating the Contractor's name and unit number. Letters and numbers used for identification purposes must be a minimum of 100 mm in height and positioned in such a manner as to be clearly visible when standing at either side of the machine.

E4.6 COMMUNICATION

E4.6.1 At least one piece of equipment in a crew working in a specific area must have a means of two-way communications with the Contractor's Supervisor and office.

E4.7 TRUCK PLOWS

E4.7.1 Each truck plow shall conform to the following:

- (a) be capable of providing a level of performance consistent with the front-mounted truck plows currently in use by the City;
- (b) be equipped with a hydraulically reversible straight blade that will ride on the pavement surface;
- (c) the plow blade shall be suitable for clearing a minimum 2.4 m wide path when fully angled (approximately 40°); and
- (d) the plow blade and/or cutting edges shall be spring loaded or flexible to allow deflection when an obstacle is encountered. This deflection shall cause the blade to raise to clear manholes, catch basins, curbs and other obstructions protruding above pavement, without damage.

E5. DRIVERS LICENSE FOR ALL HIRED HOURLY EQUIPMENT

E5.1 The City requires that the Contractor's supervisor is to ensure all drivers and operators have the appropriate driver's license for all Hired Hourly and Contract Equipment supplied under this contract.

E6. CONTRACTOR'S SUPERVISION AND COMMUNICATION

E6.1 The Contractor shall have a qualified Supervisor on duty during all snow clearing activities regardless of the type and magnitude of the operation. The Supervisor shall be able to attend, monitor and respond to all operational and equipment concerns throughout the contract area.

E6.2 The Contractor's Supervisor shall have two-way communications with the Contractor's office and field crews, and continuously direct, coordinate and inspect the work of the field crews.

E6.3 The Supervisor, or his designate, shall provide a means of two-way communications with City staff involved in the inspection of contract snow clearing operations. Failure by the Contractor to supply two-way communication to the City staff by first call-out will result in the City furnishing such equipment and deducting costs from the Contract payment.

E6.4 The Contractor shall have the capability of receiving facsimile transmission (fax machine) and shall supply the facsimile number to the Contract Administrator.

E7. EXTREME SNOWFALL AND BLIZZARD CONDITIONS

E7.1 The Contractor shall provide snow clearing equipment to keep streets, sidewalks and back lanes open during the extreme snowfall event if requested by the Contract Administrator. The Contract Administrator shall evaluate field conditions and at his discretion, continue or terminate the hourly snow clearing operations.

E7.2 Time utilized by the Contractor to keep streets, sidewalks and back lanes open during the snow storm shall not be part of the time limits established in E2.2 and E2.3.

E7.3 During or after extreme snowfall and/or blizzards, the Contract Administrator may require that Collector streets, sidewalks and back lanes be opened using both Contract and City forces in

order to open such streets and emergency routes as quickly as possible. The Contractor may be required to dispatch his equipment to work inside and outside the contract area with and under the direction of City forces.

- E7.4 Once notified by the Contract Administrator of the official start time for the formal snow clearing operations following extreme snowfall and/or blizzards the Contractor shall immediately initiate the snow clearing operation.

E8. QUANTITIES

- E8.1 Further to B8 of the Bidding Procedures, the estimated quantities identified on Form B: Prices for the clearing and hauling of snow on the Priority II and III street systems, sidewalks and back lanes are based on the following:

- (a) **Item No. 2 - Priority II (Bus Routes and Collector) Street System:** The approximate quantity is based on 100.08 lane km of street for three (3) clearing operations of 0-10 cm;
- (b) **Item No. 3 - Priority III (Residential) Street System:** The approximate quantity is based on 209.42 lane km of street for three (3) clearing operations of 0-10 cm;
- (c) **Item No. 4 – Back Lanes:** The approximate quantity is based on 7.14 linear km of back lanes for six (6) clearing operations of 0-10 cm;
- (d) **Item No. 6 – Sidewalks (on Priority II Streets):** The approximate quantity is based on 51.32 km of sidewalks for eight (8) clearing operations of 0-10 cm; and
- (e) **Item No. 7 – Sidewalks (on Priority III Streets):** The approximate quantity is based on 5.58 km of sidewalks for three (3) clearing operations of 0-10 cm.

- E8.2 The total length of lane kilometres, as established by the Public Works Department, are provided in Appendix A - Priority II Streets and Appendix B - Priority III Streets. Drawing 2 indicates the inventory of back lanes and Drawing 3 indicates the inventory of sidewalks in Priority II and III streets. In the event that streets, back lanes or sidewalks are either added or deleted, then the total length shall be adjusted correspondingly for the purpose of measurement and payment.

- E8.3 Appendix C showing the precipitation of snow based on the meteorological summary of the Environment Canada Atmospheric Environment Services for the last forty (40) years, is provided strictly for the information of Bidders.

E9. TRAFFIC MOVEMENT AND PARKING

- E9.1 After a significant snowfall, overnight parking may be restricted on Priority II streets with the declaration of the Declared Snow Route Parking Ban. This By-Law, when declared by the Director of Public Works, prohibits parking on Priority I and Priority II streets between the hours of midnight and 07:00 am. The ban will normally last for twenty-four (24) hours but may be extended.
- E9.2 During snow clearing and hauling operations, the Contractor shall take all reasonable measures to facilitate the movement of traffic in accordance with the Manual of Temporary Traffic Control.

E10. MEASUREMENT AND PAYMENT

- E10.1 This section will govern payment for full width street clearing, back lane clearing and sidewalk clearing of snow and hauling services for snow removal performed by the Contractor which include:
- (a) clearing and hauling services for snow after a recent accumulation of snow;
 - (b) clearing and hauling services after a gradual accumulation of snow where, in the opinion of the Contract Administrator, such clearing and hauling services are warranted;
 - (c) clearing and hauling services after a recent accumulation of snow combined with a gradual accumulation of snow; and

- (d) maintenance snow clearing services between storms and keeping streets, sidewalks and back lanes open during major snow storms and/or blizzards on the streets specified in this Contract.
- E10.2 In this Contract, each such direction by the Contract Administrator for clearing and hauling services for snow removal and the performance thereof by the Contractor shall be referred to as a "clearing operation".
- E10.3 If there is additional precipitation before the expiration of the specified time period, the Contract Administrator will define the end of the most recent snowfall and will set another time limit based on the quantity of precipitation.
- E10.4 Where in the opinion of the Contract Administrator the amount of snowfall and/or accompanying severe drifting conditions makes it impractical to complete the full width snow clearing, sidewalk clearing and back lane clearing operations with the Contractor's full complement of equipment and continuous effort, the Contract Administrator may, at his sole discretion, extend the time limits specified.
- E10.5 Payment will be made for back lane and sidewalk clearing operations based on the unit price per kilometre. The payment for such clearing operations will be based on multiplying the unit bid price for Item No. 3, 4, or 5 on Form B: Prices by the length in kilometres of back lanes and sidewalk cleared.
- E10.6 The Contract Administrator will have the authority to determine whether any clearing and hauling operation constitutes a recent accumulation, a gradual accumulation or a combination of the two. The guideline to be utilized by the Contract Administrator for determining whether a clearing operation is a recent accumulation or a gradual accumulation will be that, where 5 cm or more of snow has fallen over the forty-eight (48) hour period preceding the direction to commence clearing services, the accumulation will be considered a recent accumulation. Otherwise, the clearing operation will be considered a gradual accumulation.
- E10.7 Payment will be made for full width clearing and hauling operations on Priority II (Collector) Streets and Priority III (Residential) streets based on the unit price per lane kilometre and a snow accumulation factor (F) which is dependent on the quantity of snowfall and the type of snow accumulation. The payment for all such clearing operations will be based on multiplying the unit price (R) for Item No. 1 or 2 on Form B: Prices, as the case may be, by the length in kilometres cleared (L), as determined by the Contract Administrator, multiplied by the snow accumulation factor (F), as determined by the Contract Administrator; or $\text{Payment} = R \times L \times F$.
- E10.8 The snow accumulation for purposes of payment for a recent accumulation shall be the quantity of snow deemed to be cleared/hailed by the Contractor as determined by the Contract Administrator in accordance with this section. There may be hourly snow hauling, plowing and/or salting operations carried on by others on some portions of the street systems affected by this Contract. Therefore, the depth of the snow accumulation to be used for payment for the removal of a recent accumulation will be that portion of snow that has recently fallen immediately preceding the start of a clearing operation and during the said operation, but not including cleared or removed by others or by environmental processes, as determined solely by the Contract Administrator. The duration and depth of snowfall will be based on official reports from a weather consulting service. Notice of any dispute by the City arising from the amount of snow accumulation used to calculate payments for a recent clearing operation shall be forwarded to the Contract Administrator within fifteen (15) days of the City notifying the Contractor of the amounts used for payment for a given clearing operation. Failure by the Contractor to give notice of such dispute within the time specified shall preclude the Contractor from disputing the amount for which the City will pay.
- E10.9 No payment will be made for gradual accumulation after March 15 of the Contract year in the event that all of the gradual accumulation has completely melted and does not physically exist on the street at the time of a plowing operation initiated by a recent accumulation. This determination will be made by the Contract Administrator.

E10.10 The snow accumulation factor will be determined by the appropriate formula based on the type of accumulation and the quantity of snowfall. The formula to be used to calculate the snow accumulation factor for each payment scenario are identified in the following table and are further detailed in the sections and examples following the table:

Type of Accumulation	Snowfall Measurement	Snow Accumulation Factor Calculation
(1) Recent	0-10.0 cm	$F = 1.000$
(2) Recent	Greater than 10.0 cm	$F = 1 + (0.90 \times (x - 10) / 10)$ where x is the number of centimeters of recent accumulation snowfall.
(3) Gradual	Starting on December 15 of Contract year or since the preceding clearing operation, whichever is later.	$F = 1.000$ or $F = (0.30 \times y) / 10$, whichever value is greater, where y is the number of centimeters of gradual accumulation snowfall.
(4) Combination of recent and gradual	0-10.0 cm (x) of recent and y cm of gradual starting on December 15 of Contract year or since the preceding clearing operation, whichever is later.	$F = 1.000$ or $F = (x + (0.30 \times y)) / 10$, whichever value is greater, where x is the number of centimeters of recent accumulation snowfall and y is the number of centimeters of gradual accumulation snowfall.
(5) Combination of recent and gradual	Greater than 10.0 cm of recent (x) and y cm of gradual starting on December 15 of Contract year or since the preceding clearing operation, whichever is later.	$F = 1 + (0.90 \times (x - 10) / 10) + ((0.30 \times y) / 10)$, where x is the number of centimeters of recent accumulation snowfall and y is the number of centimeters of gradual accumulation snowfall.

E10.10.1 For a clearing operation required as a result of a recent accumulation of 10 cm or less (0-10 cm), the accumulation factor (F) is 1.00. Payment will be made at the unit price multiplied by the length in kilometres of traffic lanes cleared multiplied by 1.000.

Example: The total payment for a clearing operation after 9.3 cm of recent accumulation would be unit price \times lane kilometres \times 1.000).

E10.10.2 For a clearing operation required as a result of a recent accumulation in excess of 10 cm, the accumulation factor will be determined by adding 1.000 (which is the factor for the first 10 cm) to 90% of the snow accumulation in excess of 10 cm divided by ten (10). Payment will be made at the unit price multiplied by the length in kilometres of traffic lanes cleared multiplied by the snow accumulation factor.

Example: The snow accumulation factor for a clearing operation after 14.3 cm of recent accumulation, would be based on the calculation, $F = 1 + (0.9 \times (14.3 - 10) / 10) = 1.387$. The total payment for the clearing operation would be (unit price \times lane kilometres \times 1.387).

E10.10.3 For a clearing operation required as a result of a gradual accumulation, the snow accumulation factor would be 1.000 or 30% of the gradual accumulation divided by ten (10), whichever value is greater. Payment will be made at the unit price multiplied by the length in kilometres of traffic lanes cleared multiplied by the snow accumulation factor.

Example: Assume that, on February 28, the condition of the Priority III streets was such that a plowing operation was required and that no snowfall had occurred in the past 48 hours. The date of the last clearing operation was January 28 and 19 cm of snowfall (gradual accumulation) had fallen since that date. The snow accumulation factor would be 30% of 19 cm divided by 10, or $F = (0.30 \times 19) / 10 = 0.570$. Since the calculated factor is

less than 1.000, the greater value of 1.000 would be used and the total payment for the clearing operation would be (unit price × lane kilometres × 1.000).

E10.10.4 For a clearing operation required as result of a recent accumulation of 10 cm or less (0-10 cm) and where there has also been gradual accumulation measured starting on December 15 of the Contract year or since the immediately preceding clearing operation, whichever is later, the snow accumulation factor will be 1.000 or the value calculated by adding the recent accumulation to 30% of the gradual accumulation and dividing the sum by ten (10), whichever value is greater. Payment will be made at the unit price multiplied by the length in kilometres of traffic lanes cleared multiplied by the snow accumulation factor.

Example: Assume that during the Contract year there has been a snowfall on January 20 of 5.0 cm with severe winds, and in the opinion of the Contract Administrator, there is need for a snow clearing operation. Assume further that 14.5 cm of snow has gradually accumulated between December 15th and the commencement of the recent accumulation on January 20. The snow accumulation factor and payment would be calculated as follows:

- (i) The recent accumulation of 5.0 cm is added to 30% of the gradual accumulation of 14.5 cm and the sum divided by 10 or $F = (5.0 + (0.30 \times 14.5)) / 10 = 0.935$. Since the calculated factor is less than 1.000, the total payment for the clearing operation would be (unit price × lane kilometres × 1.000).

Assume that in the above scenario the snowfall on January 20 was 8.0 cm. Then the snow accumulation factor and payment would be calculated as follows:

- (ii) The recent accumulation of 8.0 cm is added to 30% of the gradual accumulation of 14.5 cm and the sum divided by 10 or $F = (8.0 + (0.30 \times 14.5)) / 10 = 1.235$. The total payment for the clearing operation would be (unit price × lane kilometres × 1.235).

E10.10.5 For a clearing operation required as result of a recent accumulation of greater than 10 cm and where there has also been gradual accumulation measured starting on December 15 of the Contract year or since the immediately preceding clearing operation, whichever is later, the snow accumulation factor will be determined by adding 1.000 (which is the factor for the first 10 cm of recent accumulation) to 90% of the recent snow accumulation in excess of 10 cm divided by ten (10) and then adding 30% of the gradual accumulation and divided by ten (10). Payment will be made at the unit price multiplied by the length in kilometres of traffic lanes cleared multiplied by the snow accumulation factor.

Example - Assume that during the Contract year there has been a snowfall on January 20 of 16.8 cm and, in the opinion of the Contract Administrator, there is need for a snow clearing operation. Assume further that 20.5 cm of snow has gradually accumulated between December 15 and the commencement of the recent accumulation on January 20. The snow accumulation factor and payment would be calculated by adding 1.000 for the first 10 cm of recent accumulation to 90% of 6.8 cm (which is the recent snow accumulation in excess of 10 cm) divided by 10 and then adding 30% of 20.5 cm (which is the gradual accumulation) divided by 10, or $F = 1.000 + (0.90 \times (16.8 - 10) / 10) + ((0.30 \times 20.5) / 10) = 2.227$. The total payment for the clearing operation would be (unit price × lane kilometres × 2.227).

E10.11 Payment shall be made for snow clearing services, such as truck plowing or maintenance snow clearing between snow storms and snow clearing during major storms/blizzards, as specified in E3 of the Specifications at the Bid hourly rate per equipment class on Form B: Prices, as the case may be, multiplied by the hours actually worked for each specific class as determined by the Contract Administrator.

E10.12 Payment for wings, ice blades, and/or straight blades for Motor Graders engaged in a full width snow clearing operation shall be included in the unit price per lane kilometre or kilometre respectively.

- E10.13 Those attachments specifically requested by the Contract Administrator or his designate will be compensated for at the same rate per hour as those specified in the "Hourly Rental Rate for Public Works Department for the 2014 to 2015 Snow Season".
- E10.14 The City shall guarantee to pay to the Contractor a minimum amount (referred to as the "guaranteed minimum amount") equal to 60% of the unit price shown on Form B: Prices.
- E10.14.1 Payment for Work done shall be as provided in E8 and all such payments shall be deducted from the guaranteed minimum amount.
- E10.14.2 On December 31, all payments received by the Contractor under this Contract will be totalled and the total compared with 10% of the Total Bid Price. If the total of the payments received is less than 10% of the Total Bid Price, then the difference between the aforesaid figures will be paid to the Contractor as an advance on the guaranteed minimum amount. The amount of the advance will be set off against subsequent payments for work done by the Contractor.
- E10.14.3 On February 28, all payments received by the Contractor under this Contract for Work done and as an advance on the guaranteed minimum amount will be totalled and that total compared with 35% of the Total Bid Price. If the total of the payments received is less than 35% of the Total Bid Price, then the difference will be paid to the Contractor as an advance on the guaranteed minimum amount. The amounts of any advances received by the Contractor will be set off against subsequent payments for Work done by the Contractor pursuant to the Contract.
- E10.14.4 At the conclusion of the Contract year, all payments received by the Contract or under this Contract for Work done or as an advance on the guaranteed minimum amount will be totalled and that total compared with the guaranteed minimum amount. Only when the total of the payments received is less than the guaranteed minimum amount will additional monies be payable by the City to the Contractor under the terms of this Contract.
- E10.14.5 The Contractor will not be compensated for any inconvenience and costs which may result from excavation Work on the streets, sidewalks or back lanes, the parking of vehicles on the roadway, vehicle movement, or any other obstruction to his Work.
- E10.14.6 The Contractor shall note that on the Priority II street system portion of this Contract, the unit price bid shall include the cost of the 0.6 m median cut as specified in the contract.
- E10.14.7 It is the City of Winnipeg's intent to hold back five (5) percent of progress estimates for all Work performed under this Contract as a damage deposit relating to E13 of the Specifications. These funds will be released when damages are rectified in accordance with E13.

E11. ANNUAL REVIEW – INFLATIONARY ADJUSTMENT

- E11.1 The unit prices specified on Form B: Prices will be adjusted on the first Contract anniversary date, and subsequent anniversary dates based on the percentage increase or decrease in unit prices for the Contract year from the All-items Consumer Price Index for Winnipeg, normally referred to by Statistics Canada as Table 326-0001. The calculation of the adjustment will be based on October 1 of the previous year to October 1 of the current year. The first inflationary adjustment shall occur on October 1, 2015. The maximum annual adjustment shall not exceed 10%.
- E11.2 The index used will be that prepared by Statistics Canada. Since the index may not be available until sometime after the adjustment date, the adjustment will be retroactive.

E12. PRICE ADJUSTMENT – FUEL COSTS

- E12.1 Notwithstanding C11.2, price adjustments for unforeseen fuel cost changes will include increases or decreases in the price of diesel fuel.

- E12.2 The City of Winnipeg will determine the Base Price of fuel costs based on the average diesel fuel price for the month of July of 2014 charged to the Streets Maintenance Division by the City of Winnipeg Fleet Management Agency.
- E12.3 Price adjustments will be assessed on October 1 and on January 1 of each contract year.
- E12.3.1 Price adjustments will only be made for any fuel price increase or decrease in excess of three percent (3%).
- E12.3.2 The actual diesel fuel price (Actual Price) will be determined on the dates indicated in E12.3 using the average fuel price of the previous month (e.g. for October 1 the average price for the month of September will be used and for January 1 the average price for December will be used).
- E12.4 Price adjustments will be applied to seventeen percent (17%) of the unit price by the Contractor on all items, which is the portion of the bid price that is attributable to fuel.
- E12.4.1 If fuel prices increase by more than three percent (3%) of the Base Price identified in E12.2, then a price adjustment for fuel will be made and paid for based on the quantity of eligible work on each progress estimate following the date of adjustment in accordance with the following formula:
- $$\text{Price Adjustment} = (\text{Actual Price} - (1.03 \times \text{Base Price})) \times (0.17 \times \text{unit price})$$
- E12.4.2 If fuel prices decrease by more than three percent (3%) of the Base Price, then a price adjustment for fuel will be made and paid for based on the quantity of eligible Work on each progress estimate following the date of adjustment in accordance with the following formula:
- $$\text{Price Adjustment} = ((0.97 \times \text{Base Price}) - \text{Actual Price}) \times (0.17 \times \text{unit price})$$

E13. DAMAGE TO PUBLIC AND PRIVATE PROPERTY

- E13.1 The Contractor will be held responsible for any damage to City or private property sustained as a result of his snow clearing operation. Prior to commencement of the first clearing operation, the Contractor shall document and/or photograph all existing damage to pavements, curbs, utilities, street furniture, street signs, parking meters, etc., and shall provide this information to the City for verification.
- E13.2 The Contractor shall immediately report damages to City or private property to the Contract Inspector.
- E13.3 Any damage to pavements, boulevards, trees, etc. that in no way present a hazard to either pedestrian or vehicular traffic shall be reported to the Contract Administrator and rectified by the Contractor in accordance with City of Winnipeg specifications prior to June 30 following the snow clearing season. Damages not rectified by June 30 may be rectified by the City or its agents and all costs shall be borne by the Contractor and shall be deducted from monies owing.
- E13.4 The Contractor shall repair all curbs damaged as a result of snow clearing operations. The repairs will be conducted at the exact locations at which the curb damage was assessed. The Contractor shall remove and dispose of any loose curb material prior to April 15 of each year.
- E13.5 Any damage to street appurtenances such as, but not limited to, street light standards, signal lights, hydrants, valve boxes, railway signal arm protective devices shall be rectified immediately. If in the process of clearing snow from a street, the Contractor dislodges a manhole frame, it must be restored immediately. Failure to rectify damages immediately may result in the damages being rectified by the City or its agents and the associated costs borne by the Contractor. In the event that the manhole frame is damaged beyond replacement, the Contractor shall immediately install temporary warning devices to protect pedestrians and vehicles and notify the City at 311, so that a repair can be made by City forces. The costs for such repair will be borne totally by the Contractor.

- E13.6 The Contractor shall repair any sod damage caused by his snow clearing operations with top soil and seed or with sod as directed by the Contract Administrator. All restorations shall be in accordance with City of Winnipeg Standard Construction Specifications.
- E13.7 The Contractor shall replace with equal, any recycling bins or refuse containers destroyed, lost or misplaced by his operations at least one (1) day prior to the next refuse day cycle.

E14. PENALTIES

- E14.1 Where the Contractor does not satisfactorily complete the Work on Priority II or III streets, sidewalks or back lanes in accordance with the time and quality requirements specified in E1.1, the Contractor shall be assessed a penalty.
- E14.1.1 For Priority II and Priority III streets, the penalty shall be in the amount of \$1,500.00 or an amount equal to twenty-five percent (25%) of the unit price per lane kilometre multiplied by the lane kilometres not satisfactorily completed multiplied by the snow accumulation factor, whichever is greater.
- E14.1.2 For sidewalks and back lanes, the penalty shall be in the amount of \$1,500.00 or an amount equal to twenty-five percent (25%) of the unit price per kilometre times the kilometres not satisfactorily completed, whichever is greater for each back lane.
- E14.1.3 Streets, sidewalks and back lanes that the Contract Administrator deems to be deficient in whole and not in part will be considered incomplete and may be subject to the above penalty.
- E14.2 Where the Contractor does not supply up to the minimum quantity and type of equipment identified in E4 within two hours as outlined in E3.1.6 of the Specifications, the Contractor shall be assessed a penalty of five hundred dollars (\$500.00) per piece of equipment per call out below the minimum number as specified in E4. The minimum requirement shall apply throughout the duration of the operation from call-out to release of equipment.
- E14.3 Where the Contractor does not satisfactorily perform any snow clearing operation in accordance with the requirements of E1.1, particularly in reference to the quality of the Work following an inspection by the Contract Administrator the Work shall be declared a deficiency. The Contractor shall be requested to rectify the portion of streets, sidewalks or back lanes found to be unsatisfactory in quality within twenty-four (24) hours of notification or in a time period to be agreed to by the Contract Administrator. Failure to respond may result in the City performing the required Work and charging the cost of such Work back to the Contractor.
- E14.4 Any performance deficiency related to E1.1 such as, but not limited to, depositing snow in unauthorized locations, depositing snow on private property, or not removing snow windrows from approaches, shall be rectified immediately by the Contractor. Failure to respond will result in the City or its agent rectifying the deficiencies and charging the costs back to the Contractor.
- E14.5 Where the Contractor fails to replace recycling bins or refuse containers as described in E13.7, the City will replace these items and assess a penalty of \$100.00 per item.

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APPENDIX A – EAST AREA (SOUTH/EAST) PRIORITY II STREETS

STREET NAME	FROM STREET	TO STREET	SNOW ROUTE	PRIORITY	LANE KM
Aldgate Rd	Aldgate Rd	St Annes Rd	Collector	P2	0.14
Aldgate Rd	Abbotsfield Dr	St Annes Rd	Collector	P2	0.31
Aldgate Rd	Faraway Ln	EB Clayton Rd	Collector	P2	0.18
Aldgate Rd	St Annes Rd	St Annes Rd	Collector	P2	0.03
Aldgate Rd	Dakota St	Cactus Cv	Collector	P2	0.16
Aldgate Rd	Clerkenwell By	Clerkenwell By	Collector	P2	0.18
Aldgate Rd	Pevensey Pl	Highbury Rd	Collector	P2	0.19
Aldgate Rd	Higham By	Higham By	Collector	P2	0.18
Aldgate Rd	Higham By	Paddington Rd	Collector	P2	0.13
Aldgate Rd	Brabant Cv	Hindle Gt	Collector	P2	0.20
Aldgate Rd	Becontree By	Gobert Cr	Collector	P2	0.47
Aldgate Rd	Hallfield By	Sloane Cr	Collector	P2	0.17
Aldgate Rd	Kingsclear Dr	Dakota St	Collector	P2	0.16
Aldgate Rd	Ralston Cr	Aldgate Rd	Collector	P2	0.09
Aldgate Rd	Clerkenwell By	Everingham By	Collector	P2	0.18
Aldgate Rd	Keelegate Pl	Highcastle Cr	Collector	P2	0.18
Aldgate Rd	Aldgate Rd	Orford Cr	Collector	P2	0.09
Aldgate Rd	Cactus Cv	Wycombe Pl	Collector	P2	0.19
Aldgate Rd	Burland Av	Burland Av	Collector	P2	0.03
Aldgate Rd	Willesden Cr	Eastcote Dr	Collector	P2	0.19
Aldgate Rd	Eastcote Dr	Gobert Cr	Collector	P2	0.14
Aldgate Rd	Orford Cr	Cummings Cr	Collector	P2	0.18
Aldgate Rd	Gobert Cr	Burland Av	Collector	P2	0.18
Aldgate Rd	Everingham By	Everingham By	Collector	P2	0.17
Aldgate Rd	Wycombe Pl	Pevensey Pl	Collector	P2	0.18
Aldgate Rd	Dakota St	Hallfield By	Collector	P2	0.19
Aldgate Rd	Hallfield By	Upavon Rd	Collector	P2	0.17
Aldgate Rd	Sloan Cr	Ralston Cr	Collector	P2	0.17

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Aldgate Rd	Gobert Cr	Eastcote Dr	Collector	P2	0.17
Aldgate Rd	Aldgate Rd	Dakota St	Collector	P2	0.11
Aldgate Rd	John Forsyth Rd	Erindale Cr	Collector	P2	0.19
Aldgate Rd	Abbotsfield Dr	John Forsyth Rd	Collector	P2	0.41
Aldgate Rd	Cedarcroft Af	Ravensden Dr	Collector	P2	0.39
Aldgate Rd	Cummings Cr	Kingsclear Dr	Collector	P2	0.19
Aldgate Rd	Wainwright Cr	Harding Cr	Collector	P2	0.17
Aldgate Rd	Nault Cl	Vadeboncoeur Dr	Collector	P2	0.19
Aldgate Rd	Pentonville Cr	Ravensden Dr	Collector	P2	0.19
Aldgate Rd	Scammel Rd	Tilstone By	Collector	P2	0.21
Aldgate Rd	Kellendonk Rd	Michaud Cr	Collector	P2	0.32
Aldgate Rd	Keelegate Pl	Kamberwell By	Collector	P2	0.74
Aldgate Rd	Farnsworth Cr	Kellendonk Rd	Collector	P2	0.18
Aldgate Rd	Everingham By	Dakota St	Collector	P2	0.19
Aldgate Rd	Cotswold Pl	Wainwright Cr	Collector	P2	0.16
Aldgate Rd	Michaud Cr	Higham By	Collector	P2	0.20
Aldgate Rd	Uppingham Rd	Harding Cr	Collector	P2	0.17
Aldgate Rd	Cotter Cl	Zylema Cv	Collector	P2	0.22
Aldgate Rd	Paddington Rd	Cotter Cl	Collector	P2	0.22
Aldgate Rd	St Annes Rd	Abbotsfield Dr	Collector	P2	0.03
Aldgate Rd	St Annes Rd	Abbotsfield Dr	Collector	P2	0.31
Alpine Av	Fermor Av	Seagrim Rd	Collector	P2	0.75
Alpine Av	Fermor Av	Seagrim Rd	Collector	P2	0.20
Archibald St	Niakwa Rd	Royal Salinger Rd	Collector	P2	0.10
Ashworth St S	Julia Rd	John Forsyth Rd	Collector	P2	0.31
Ashworth St S	Everden Rd	Warde Av	Collector	P2	0.15
Ashworth St S	Baisinger Dr	Abbotsfield Dr	Collector	P2	0.17
Ashworth St S	Coombs Dr	Baisinger Dr	Collector	P2	0.18
Ashworth St S	Fulton St	Gablehurst Cr	Collector	P2	0.17
Ashworth St S	Gablehurst Cr	Wilford Cs	Collector	P2	0.18
Ashworth St S	Coombs Dr	Wilford Cs	Collector	P2	0.09
Baisinger Dr	John Forsyth Rd	John Forsyth Rd	Collector	P2	0.01

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Beaverhill Bv	Lake Lawn Dr	Kenton Cv	Collector	P2	0.16
Beaverhill Bv	Vermillion Rd	Everglade Pl	Collector	P2	0.29
Beaverhill Bv	Everglade Pl	Grover Hills Ln	Collector	P2	0.15
Beaverhill Bv	Shoreview By	Radburn Pl	Collector	P2	0.17
Beaverhill Bv	Willowlake Cr	Bluewater Cr	Collector	P2	0.19
Beaverhill Bv	Bluewater Cr	Culloden Rd	Collector	P2	0.18
Beaverhill Bv	Abington Rd	St Hilaire Pl	Collector	P2	0.27
Beaverhill Bv	Driftwood By	Park Grove Dr	Collector	P2	0.20
Beaverhill Bv	Culloden Rd	Farnham Rd	Collector	P2	0.08
Beaverhill Bv	Lake Lawn Dr	Driftwood By	Collector	P2	0.18
Beaverhill Bv	Shoreview By	Lake Lawn Dr	Collector	P2	0.12
Beaverhill Bv	Edgewater Dr	Shoreview By	Collector	P2	0.18
Beaverhill Bv	Baywater Pl	Harwick Ln	Collector	P2	0.06
Beaverhill Bv	Burntwood Cr	Park Grove Dr	Collector	P2	0.17
Beaverhill Bv	Seabrook Cv	Bayshore Cv	Collector	P2	0.15
Beaverhill Bv	Baywater Pl	Kenton Cv	Collector	P2	0.05
Beaverhill Bv	Courtwood Pl	Lake Lawn Dr	Collector	P2	0.19
Beaverhill Bv	Culloden Rd	Cherwell Rd	Collector	P2	0.09
Beaverhill Bv	Collingwood Cr	Park Grove Dr	Collector	P2	0.15
Beaverhill Bv	Park Terrace Dr	Rockcliffe Rd	Collector	P2	0.14
Beaverhill Bv	Edgemont Dr	Shamrock Dr	Collector	P2	0.15
Beaverhill Bv	Bayshore Cv	Edgewater Dr	Collector	P2	0.16
Beaverhill Bv	Agincourt Rd	Bromton Rd	Collector	P2	0.09
Beaverhill Bv	Seabrook Cv	Shoreview By	Collector	P2	0.06
Beaverhill Bv	Courtwood Pl	Shamrock Dr	Collector	P2	0.14
Beaverhill Bv	Rockcliffe Rd	Grover Hills Ln	Collector	P2	0.13
Beaverhill Bv	Vermillion Rd	Everglade Pl	Collector	P2	0.31
Beaverhill Bv	Abington Rd	Agincourt Rd	Collector	P2	0.17
Beaverhill Bv	Collingwood Cr	Park Grove Dr	Collector	P2	0.17
Beaverhill Bv	Lakewood Bv	Beaverhill Bv	Collector	P2	0.06
Beaverhill Bv	Beaverhill Bv	Lakewood Bv	Collector	P2	0.24
Beaverhill Bv	Lakewood Bv	Driftwood By	Collector	P2	0.31

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Beaverhill Bv	Harwick Ln	Edgemont Dr	Collector	P2	0.15
Beaverhill Bv	Beaverhill Bv	Lakewood Bv	Collector	P2	0.08
Beaverhill Bv	Harwick Ln	Baywater Pl	Collector	P2	0.05
Beaverhill Bv	Lakewood Bv	Lakewood Bv	Collector	P2	0.05
Beaverhill Bv	Lakewood Bv	Lakewood Bv	Collector	P2	0.05
Beaverhill Bv	Fermor Av	Vermillion Rd	Collector	P2	0.48
Beaverhill Bv	Fermor Av	Vermillion Rd	Collector	P2	0.48
Beaverhill Bv	Fermor Av	Vermillion Rd	Collector	P2	0.02
Beliveau Rd E	St Annes Rd	Marlene St	Collector	P2	0.67
Blue Mountain Rd	Bluestem Cv	Royal Mint Dr	Collector	P2	0.41
Blue Mountain Rd	Red Willow Cr	Royal Mint Dr	Collector	P2	0.37
Blue Mountain Rd	Bluestem Cv	Copperstone Cr	Collector	P2	0.17
Blue Mountain Rd	Copperstone Cr	Red Willow Cr	Collector	P2	0.16
Blue Sun Dr	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.02
Breakwater Cv	Island Shore Bv	Island Shore Bv	Collector	P2	0.03
Burland Av	Furness By	Healy Cr	Collector	P2	0.17
Burland Av	Postras Pl	Aldgate Rd	Collector	P2	0.15
Burland Av	Knotsberry By	Patel Cr	Collector	P2	0.17
Burland Av	Chancery By	Chancery By	Collector	P2	0.18
Burland Av	Brixton By	Chancery By	Collector	P2	0.18
Burland Av	Aldgate Rd	Postras Pl	Collector	P2	0.15
Burland Av	Malmsbury Av	Aldgate Rd	Collector	P2	0.21
Burland Av	John Forsyth Rd	Westham Pl	Collector	P2	0.19
Burland Av	Paddington Rd	Furness By	Collector	P2	0.19
Burland Av	Brixton By	Chancery By	Collector	P2	0.18
Burland Av	Healy Cr	Patel Cr	Collector	P2	0.28
Burland Av	Aldgate Rd	Malmsbury Av	Collector	P2	0.21
Burland Av	Brixton By	Westham Pl	Collector	P2	0.31
Burland Av	St Marys Rd	Burland Av	Collector	P2	0.05
Burland Av	Malmsbury Av	Burland Av	Collector	P2	0.25
Burland Av	Brixton By	Paddington Rd	Collector	P2	0.19
Burland Av	Postras Pl	St Marys Rd	Collector	P2	0.30

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Burland Av	St Marys Rd	Poitras Pl	Collector	P2	0.30
Burland Av	Malmsbury Av	Knotsberry By	Collector	P2	0.42
Burmac Rd	Capston Rd	Lagimodiere Bv	Collector	P2	1.25
Burning Glass Rd	Sage Cr Bv	Dr David Friesen Dr	Collector	P2	0.52
Burning Glass Rd	Red Moon Rd	Lafrance Ln	Collector	P2	0.32
Burning Glass Rd	Lafrance Ln	Red Moon Rd	Collector	P2	0.16
Burning Glass Rd	Lafrance Ln	Burning Glass Rd	Collector	P2	0.03
Burning Glass Rd	Red Moon Rd	Red Moon Rd	Collector	P2	0.16
Burning Glass Rd	Sage Creek Bv	Lafrance Ln	Collector	P2	0.33
Capston Rd	Garwick Cv	Lagimodiere Bv	Collector	P2	0.15
Capston Rd	Mount Laurel Cr	Lagimodiere Bv	Collector	P2	0.15
Capston Rd	Mount Laurel Cr	Burmac Rd	Collector	P2	0.17
Capston Rd	Mount Laurel Cr	Burmac Rd	Collector	P2	0.02
Capston Rd	Garwick Cv	Garwick Cv	Collector	P2	0.17
Capston Rd	Garwick Cv	Garwick Cv	Collector	P2	0.17
Capston Rd	Burmac Rd	Cliffwood Dr	Collector	P2	0.17
Cassin Cr	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Cassin Cr	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Charbonneau Cr	Island Shore Bv	Island Shore Bv	Collector	P2	0.03
Charity Ln	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.02
Cliffwood Dr	Capston Rd	Newcroft Rd	Collector	P2	0.09
Creek Bend Rd	St Annes Rd	Creek Bend Rd	Collector	P2	0.16
Creek Bend Rd	Creek Bend Rd	End	Collector	P2	0.27
Cummings Cr	Aldgate Rd	Aldgate Rd	Collector	P2	0.02
Dakota St	Aldgate Rd	Aldgate Rd	Collector	P2	0.03
Dawson Rd S	Dawson Rd S	Fermor Av	Collector	P2	0.24
Dawson Rd S	Royal Mint Dr	Lagimodiere Bv	Collector	P2	0.82
Dawson Rd S	Dawson Rd S	Fermor Av	Collector	P2	0.09
Dawson Rd S	Dawson Rd S	Dawson Rd S	Collector	P2	0.21
Dawson Rd S	Fermor Av	Dawson Rd S	Collector	P2	0.15
De La Seigneurie Bv	Dockside Wy	Island Shore Bv	Collector	P2	0.32
De La Seigneurie Bv	Cassin Cr	Pynoo Pl	Collector	P2	0.18

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De La Seigneurie Bv	De La Seigneurie Bv	McKall By	Collector	P2	0.11
De La Seigneurie Bv	Pynoo Pl	Cassin Cr	Collector	P2	0.18
De La Seigneurie Bv	Cassin Cr	Desjardins Dr	Collector	P2	0.03
De La Seigneurie Bv	Pynoo Pl	Pynoo Pl	Collector	P2	0.17
De La Seigneurie Bv	Surfside Cr	Cassin Cr	Collector	P2	0.19
De La Seigneurie Bv	McKall By	McKall By	Collector	P2	0.18
De La Seigneurie Bv	Frigate By	Pauline Boutal Cr	Collector	P2	0.30
De La Seigneurie Bv	Island Lakes Dr	Cassin Cr	Collector	P2	0.56
De La Seigneurie Bv	Bishop Grandin Bv	Desjardins Dr	Collector	P2	0.42
De La Seigneurie Bv	Bishop Grandin Bv	Peres Oblats Dr	Collector	P2	0.42
De La Seigneurie Bv	Brian Monkman By	Warde Av	Collector	P2	0.16
De La Seigneurie Bv	Island Lakes Dr	Pauline Boutal Cr	Collector	P2	0.34
De La Seigneurie Bv	Warde Av	Brian Monkman By	Collector	P2	0.16
De La Seigneurie Bv	Nordstrom Dr	Warde Av	Collector	P2	0.15
De La Seigneurie Bv	Warde Av	Nordstrom Dr	Collector	P2	0.15
De La Seigneurie Bv	Langton Dr	Dockside Wy	Collector	P2	0.51
De La Seigneurie Bv	Brian Monkman By	Island Shore Bv	Collector	P2	0.23
De La Seigneurie Bv	Frigate By	Frigate By	Collector	P2	0.22
De La Seigneurie Bv	Cassin Cr	Island Lakes Dr	Collector	P2	0.54
De La Seigneurie Bv	Pauline Boutal Cr	Lessard Pl	Collector	P2	0.36
De La Seigneurie Bv	Cassin Cr	Peres Oblats Dr	Collector	P2	0.38
De La Seigneurie Bv	Pynoo Pl	Surfside Cr	Collector	P2	0.17
De La Seigneurie Bv	Dedjardins Dr	Cassin Cr	Collector	P2	0.40
De La Seigneurie Bv	Cassin Cr	Pynoo Pl	Collector	P2	0.19
Des Hivernants Bv	Sage Cr Bv	Dr David Friesen Dr	Collector	P2	0.52
Des Hivernants Bv	Dr David Friesen Dr	Edward Turner Dr	Collector	P2	0.65
Des Hivernants Bv	Dr David Friesen Dr	Sage Creek Bv	Collector	P2	0.52
Des Hivernants Bv	Warde Av	Warde Av	Collector	P2	0.05
Des Hivernants Bv	Wood Sage Cr	Warde Av	Collector	P2	0.27
Des Hivernants Bv	Ironweed Rd	End	Collector	P2	0.28
Des Hivernants Bv	Edward Turner Dr	Dr David Friesen Dr	Collector	P2	0.66
Des Hivernants Bv	Edward Turner Dr	Edward Turner Dr	Collector	P2	0.05

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Des Hivernants Bv	Wood Sage Cr	Warde Av	Collector	P2	0.27
Des Hivernants Bv	Warde Av	Warde Av	Collector	P2	0.05
Des Hivernants Bv	Lafrance Ln	Woodsage Cr	Collector	P2	0.69
Des Hivernants Bv	Ironweed Rd	Lafrance Ln	Collector	P2	0.70
Des Hivernants Bv	Edward Turner Dr	Edward Turner Dr	Collector	P2	0.05
Des Hivernants Bv	Ironweed Rd	Ironweed Rd	Collector	P2	0.02
Des Hivernants Bv	Sage Creek Bv	Lafrance Ln	Collector	P2	0.33
Des Hivernants Bv	Ironweed Rd	End	Collector	P2	0.28
Des Hivernants Bv	Wood Sage Cr	Wood Sage Cr	Collector	P2	0.02
Des Hivernants Bv	Lafrance Ln	Sage Creek Bv	Collector	P2	0.33
Des Hivernants Bv	Wood Sage Cr	Wood Sage Cr	Collector	P2	0.02
Desjardins Dr	De La Seigneurie Bv	Surfside Cr	Collector	P2	0.29
Desjardins Dr	Leeward Pl	Myles Robinson Wy	Collector	P2	0.17
Desjardins Dr	Island Lakes Dr	Leeward Pl	Collector	P2	0.21
Desjardins Dr	Surfside Cr	Myles Robinson Wy	Collector	P2	0.59
Dr David Friesen Dr	Burning Glass Rd	Des Hivernants Bv	Collector	P2	0.41
Dr David Friesen Dr	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.03
Dr David Friesen Dr	Burning Glass Rd	Des Hivernants Bv	Collector	P2	0.41
Dragonfly Crt	Edward Turner Dr	Edward Turner Dr	Collector	P2	0.02
East Mint Pl	East Mint Pl	Lagimodiere Bv	Collector	P2	0.20
East Mint Pl	Lagimodiere Bv	Royal Mint Dr	Collector	P2	0.32
East Mint Pl	Royal Mint Dr	Lagimodiere Bv	Collector	P2	0.32
Edgewater Dr	Cormorant By	Watercress Rd	Collector	P2	0.16
Edgewater Dr	Beaverhill Bv	Sweetwater By	Collector	P2	0.56
Edgewater Dr	Cormorant By	Watercress Rd	Collector	P2	0.16
Edgewater Dr	Cormorant By	Lakewood Bv	Collector	P2	0.48
Edgewater Dr	Sweetwater By	Cormorant By	Collector	P2	0.42
Edgewater Dr	Sweetwater By	Sweetwater By	Collector	P2	0.17
Edward Turner Dr	Silver Sage Cr	Silver Sage Cr	Collector	P2	0.18
Edward Turner Dr	Water Lily Ln	Edward Turner Dr	Collector	P2	0.28
Edward Turner Dr	Sage Creek Bv	Dragonfly Crt	Collector	P2	0.36
Edward Turner Dr	Sage Creek Bv	Dragonfly Crt	Collector	P2	0.36

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Edward Turner Dr	Sage Creek Bv	Dragonfly Crt	Collector	P2	0.36
Edward Turner Dr	Silver Sage Cr	Silver Sage Cr	Collector	P2	0.18
Edward Turner Dr	Silver Sage Cr	Des Hivernants Bv	Collector	P2	0.41
Edward Turner Dr	Silver Sage Cr	Wild Iris Wk	Collector	P2	0.19
Edward Turner Dr	Vireo Ln	Water Lily Ln	Collector	P2	0.44
Edward Turner Dr	Wild Iris Wk	Vireo Ln	Collector	P2	0.37
Edward Turner Dr	Dragonfly Ct	Edward Turner Dr	Collector	P2	0.17
Edward Turner Dr	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.05
Edward Turner Dr	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.05
Edward Turner Dr	Des Hivernants Bv	Silver Sage Cr	Collector	P2	0.41
Frigate By	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Frigate By	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Glenham Cv	John Forsyth Rd	John Forsyth Rd	Collector	P2	0.02
Hackmore Cr	John Forsyth Rd	John Forsyth Rd	Collector	P2	0.02
Hallfield By	Aldgate Rd	Aldgate Rd	Collector	P2	0.03
Heartleaf Ln	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.02
Heartleaf Ln	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.02
Highbury Rd	Aldgate Rd	Southfields Dr	Collector	P2	0.57
Highbury Rd	John Forsyth Rd	Hackmore Cr	Collector	P2	0.19
Highbury Rd	Hackmore Cr	Tiverton By	Collector	P2	0.17
Highbury Rd	Southfields Dr	Tiverton By	Collector	P2	0.17
Huppe By	Island Shore Bv	Island Shore Bv	Collector	P2	0.03
Ironweed Rd	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.03
Ironweed Rd	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.03
Island Cv	Island Shore Bv	Island Shore Bv	Collector	P2	0.03
Island Lakes Dr	Wayfarers Haven Af	Camirant Cr	Collector	P2	0.32
Island Lakes Dr	Gull Wing By	Wayfarers Haven Af	Collector	P2	0.15
Island Lakes Dr	Boisselle By	Island Shore Bv	Collector	P2	0.18
Island Lakes Dr	Black Pearl Cv	Desjardins Dr	Collector	P2	0.11
Island Lakes Dr	Boisselle By	Boisselle By	Collector	P2	0.17
Island Lakes Dr	Desjardins Dr	Myles Robinson Wy	Collector	P2	0.10
Island Lakes Dr	De Caigny Cv	Camirant Cr	Collector	P2	0.09

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Island Lakes Dr	Boisselle By	Myles Robinson Wy	Collector	P2	0.36
Island Lakes Dr	Black Pearl Cv	Gull Wing By	Collector	P2	0.08
Island Lakes Dr	Wayfarers Haven Af	Coral Reef Cv	Collector	P2	0.18
Island Lakes Dr	Camirant Cr	De Caigny Cv	Collector	P2	0.37
Island Lakes Dr	Bounty By	Wayfarers Haven Af	Collector	P2	0.18
Island Lakes Dr	Camirant Cr	De La Seigneurie Bv	Collector	P2	0.20
Island Shore Bv	Tidal Cv	Waterside Cv	Collector	P2	0.16
Island Shore Bv	Waterside Cv	Tidal Cv	Collector	P2	0.17
Island Shore Bv	De La Seigneurie Bv	Henry Dormer Dr	Collector	P2	0.40
Island Shore Bv	Island Lakes Dr	Leger Cr	Collector	P2	0.31
Island Shore Bv	Charbonneau Cr	Breakwater Cv	Collector	P2	0.28
Island Shore Bv	Tidewater By	Huppe By	Collector	P2	0.42
Island Shore Bv	Island Shore Bv	Lighthouse Pt	Collector	P2	0.02
Island Shore Bv	Breakwater Cv	Waterside Cv	Collector	P2	0.18
Island Shore Bv	Huppe By	Lighthouse Pt	Collector	P2	0.16
Island Shore Bv	Waterside Cv	Island Cv	Collector	P2	0.16
Island Shore Bv	Huppe By	Huppe By	Collector	P2	0.16
Island Shore Bv	Breakwater Cv	Charbonneau Cr	Collector	P2	0.29
Island Shore Bv	Charbonneau Cr	Gauvreau Rd	Collector	P2	0.16
Island Shore Bv	Tidewater By	Huppe By	Collector	P2	0.45
Island Shore Bv	Waterfront Rd	Island Cv	Collector	P2	0.15
Island Shore Bv	Ebb Tide Dr	Evely Reese Bv	Collector	P2	0.19
Island Shore Bv	Lands End Cv	Henry Dormer Dr	Collector	P2	0.18
Island Shore Bv	Bishop Grandin Bv	Waterfront Rd	Collector	P2	0.25
Island Shore Bv	Evelyne Reese Bv	Lands End Cv	Collector	P2	0.20
Island Shore Bv	Pamela Rd	Ebb Tide Dr	Collector	P2	0.43
Island Shore Bv	Lagace Pl	Pamela Rd	Collector	P2	0.39
Island Shore Bv	Huppe By	Leger Cr	Collector	P2	0.16
Island Shore Bv	Waterfront Rd	Bishop Grandin Bv	Collector	P2	0.26
Island Shore Bv	Leger Cr	Lagace Pl	Collector	P2	0.20
Island Shore Bv	Island Cv	Waterfront Rd	Collector	P2	0.16
Island Shore Bv	Tidewater By	Charbonneau Cr	Collector	P2	0.15

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John Forsyth Rd	Brotman By	Burland Av	Collector	P2	0.17
John Forsyth Rd	Brotman By	Warde Av	Collector	P2	0.48
John Forsyth Rd	Brotman By	Theydon Pl	Collector	P2	0.18
John Forsyth Rd	Everden Rd	Coombs Dr	Collector	P2	0.27
John Forsyth Rd	Baisinger Dr	John Forsyth Rd	Collector	P2	0.09
John Forsyth Rd	Baisinger Dr	Manorhaven Dr	Collector	P2	0.17
John Forsyth Rd	John Forsyth Rd	Hackmore Cr	Collector	P2	0.17
John Forsyth Rd	Manorhaven Dr	Baisinger Dr	Collector	P2	0.17
John Forsyth Rd	Winterhaven Dr	Tretheway Cs	Collector	P2	0.21
John Forsyth Rd	Ashworth St S	Quantrell By	Collector	P2	0.19
John Forsyth Rd	Glenham Cv	Hackmore Cr	Collector	P2	0.17
John Forsyth Rd	Quantrell By	Aldgate Rd	Collector	P2	0.20
John Forsyth Rd	John Forsyth Rd	Dakota St	Collector	P2	0.12
John Forsyth Rd	Quantrell By	Quantrell By	Collector	P2	0.16
John Forsyth Rd	John Forsyth Rd	Dakota St	Collector	P2	0.13
John Forsyth Rd	Manorhaven Dr	Dakota St	Collector	P2	0.31
John Forsyth Rd	Everden Rd	Winterhaven	Collector	P2	0.18
John Forsyth Rd	Dakota St	Manorhaven Dr	Collector	P2	0.31
John Forsyth Rd	Dakota St	Glenham Cv	Collector	P2	0.15
John Forsyth Rd	Glenham Cv	Dakota St	Collector	P2	0.15
John Forsyth Rd	Beckwith Ln	Ashworth St S	Collector	P2	0.24
John Forsyth Rd	Hackmore Cr	Theydon Pl	Collector	P2	0.24
John Forsyth Rd	Coombs Dr	Baisinger Dr	Collector	P2	0.17
John Forsyth Rd	Hackmore Cr	Glenham Cv	Collector	P2	0.17
Kingsclear Dr	Aldgate Rd	Aldgate Rd	Collector	P2	0.03
Lafrance Ln	Burning Glass Rd	Burning Glass Rd	Collector	P2	0.02
Lafrance Ln	Proulx Pl	Des Hivernants Bv	Collector	P2	0.20
Lafrance Ln	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.03
Lafrance Ln	Burning Glass Rd	Proulx Pl	Collector	P2	0.19
Lakewood Bv	Appleby Cv	Beaverhill Bv	Collector	P2	0.08
Lakewood Bv	Beaverhill Bv	Beaverhill Bv	Collector	P2	0.05
Lakewood Bv	Vermillion Rd	Weatherstone Pl	Collector	P2	0.17

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Lakewood Bv	Meadowbrook Rd	Weatherstone PI	Collector	P2	0.17
Lakewood Bv	Mcgurran PI	Lonergan PI	Collector	P2	0.03
Lakewood Bv	Appleby Cv	Lonergan PI	Collector	P2	0.03
Lakewood Bv	Tahoe By	Willowlake Cr	Collector	P2	0.23
Lakewood Bv	Brookhaven By	Brookhaven By	Collector	P2	0.16
Lakewood Bv	Tahoe By	Edgewater Dr	Collector	P2	0.16
Lakewood Bv	Burntwood Cr	Cyril PI	Collector	P2	0.18
Lakewood Bv	Burntwood Cr	Tamarac By	Collector	P2	0.17
Lakewood Bv	Tamarac By	Willowlake Cr	Collector	P2	0.20
Lakewood Bv	Fermor Av	Weatherstone PI	Collector	P2	0.02
Lakewood Bv	Vermillion Rd	Weatherstone PI	Collector	P2	0.17
Lakewood Bv	Brookhaven By	Meadowbrook Rd	Collector	P2	0.15
Lakewood Bv	Brookhaven By	Edgewater Dr	Collector	P2	0.13
Lakewood Bv	Appleby Cv	Mcgurran PI	Collector	P2	0.22
Lakewood Bv	Tamarac By	Tamarac By	Collector	P2	0.17
Lakewood Bv	Beaverhill Bv	Lakewood Bv	Collector	P2	0.07
Lakewood Bv	Appleby Cv	Beaverhill Bv	Collector	P2	0.15
Lakewood Bv	Beaverhill Bv	Cyril PI	Collector	P2	0.20
Lakewood Bv	Bishop Grandin Bv	Mcgurran PI	Collector	P2	0.18
Lakewood Bv	Bishop Grandin Bv	Mcgurran PI	Collector	P2	0.41
Lakewood Bv	Tahoe By	Tahoe By	Collector	P2	0.16
Lakewood Bv	Beaverhill Bv	Beaverhill Bv	Collector	P2	0.05
Lakewood Bv	Fermor Av	Vermillion Rd	Collector	P2	0.48
Lakewood Bv	Fermor Av	Weatherstone PI	Collector	P2	0.48
Lighthouse Pt	Island Shore Bv	Island Shore Bv	Collector	P2	0.01
Malmsbury Av	Burland Av	Burland Av	Collector	P2	0.03
Manorhaven Dr	John Forsyth Rd	John Forsyth Rd	Collector	P2	0.02
McKall By	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Meadowbrook Rd	Pebble Beach Rd	Lakewood Bv	Collector	P2	0.65
Melnick Rd	Warde Av	Warde Av	Collector	P2	0.02
Mount Laurel Cr	Capston Rd	Garwick Cv	Collector	P2	0.02
Mount Laurel Cr	Capston Rd	Capston Rd	Collector	P2	0.01

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Newcroft Rd	Shamrock Dr	Cliffwood Dr	Collector	P2	0.75
Niakwa Rd	Archibald St	Pine Bluff Rd	Collector	P2	0.19
Niakwa Rd	St Annes Rd	Seagrim Rd	Collector	P2	0.38
Niakwa Rd	Pine Bluff Rd	Pebble Beach Rd	Collector	P2	0.36
Nordstrom Dr	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Normand Park Dr	St Marys Rd	Henry Pehrson Cv	Collector	P2	0.21
Normand Park Dr	Kara Cv	Redview Dr	Collector	P2	0.18
Normand Park Dr	Easy St	Kara Cv	Collector	P2	0.18
Orford Cr	Aldgate Rd	Aldgate Rd	Collector	P2	0.01
Paddington Rd	Aldgate Rd	End	Collector	P2	0.36
Paddington Rd	Manby Av	Burland Av	Collector	P2	0.17
Paddington Rd	Pately Cr	Warde Av	Collector	P2	0.32
Paddington Rd	Burland Av	Pately Cr	Collector	P2	0.19
Paddington Rd	Manby Av	Westbourne Cr	Collector	P2	0.29
Paddington Rd	Healy Cr	Vadeboncoeur Dr	Collector	P2	0.38
Paddington Rd	Vadeboncoeur Dr	Aldgate Rd	Collector	P2	0.35
Pebble Beach Rd	Fallbrook By	Southmoor Rd	Collector	P2	0.17
Pebble Beach Rd	Fallbrook By	Fallbrook By	Collector	P2	0.16
Pebble Beach Rd	Southmoor Rd	Willow Point Rd	Collector	P2	0.17
Pebble Beach Rd	Fallbrook By	Southmoor Rd	Collector	P2	0.17
Pebble Beach Rd	Gleneagles Rd	Willowlake Cr	Collector	P2	0.15
Pebble Beach Rd	Royal Salinger Rd	Southmoor Rd	Collector	P2	0.16
Pebble Beach Rd	Pine Bluff Rd	Clarendon Rd	Collector	P2	0.16
Pebble Beach Rd	Niakwa Rd	Pine Bluff Rd	Collector	P2	0.20
Pebble Beach Rd	Clarendon Rd	Royal Salinger Rd	Collector	P2	0.16
Pebble Beach Rd	Gleneagles Rd	Willow Point Rd	Collector	P2	0.40
Pelican Pt	Robert Bockstael Dr	Robert Bockstael Dr	Collector	P2	0.03
Peres Oblats Dr	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Poitras Pl	Burland Av	Burland Av	Collector	P2	0.03
Pynoo Pl	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Pynoo Pl	De La Seigneurie Bv	De La Seigneurie Bv	Collector	P2	0.03
Ralston Cr	Aldgate Rd	Aldgate Rd	Collector	P2	0.01

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Ravensden Dr	Aldgate Rd	Aldgate Rd	Collector	P2	0.02
Ravensden Dr	Aldgate Rd	Aldgate Rd	Collector	P2	0.03
Red Lily Rd	Warde Av	Warde Av	Collector	P2	0.06
Red Lily Rd	Warde Av	Warde Av	Collector	P2	0.06
Red Moon Rd	Burning Glass Rd	Burning Glass Rd	Collector	P2	0.02
Redpoll Pl	Robert Bockstael Dr	Robert Bockstael Dr	Collector	P2	0.03
Redview Dr	Normand Park Dr	Normand Park Dr	Collector	P2	0.17
Redview Dr	Normand Park Dr	Brambleforde Cr	Collector	P2	0.16
Redview Dr	Easy St	End	Collector	P2	0.19
Robert Bockstael Dr	Robert Bockstael Dr	Pelican Pt	Collector	P2	0.16
Robert Bockstael Dr	Warde Av	Repoll Pl	Collector	P2	0.32
Robert Bockstael Dr	Redpoll Pl	Pelican Pt	Collector	P2	0.20
Robert Bockstael Dr	Pelican Pt	Redpoll Pl	Collector	P2	0.20
Robert Bockstael Dr	Redpoll Pl	Warde Av	Collector	P2	0.31
Robert Bockstael Dr	Robert Bockstael Dr	Robert Bockstael Dr	Collector	P2	0.01
Robert Bockstael Dr	Pelican Pt	Sage Creek Bv	Collector	P2	0.19
Royal Mint Dr	Goldenrod Cv	Morning Glory Cr	Collector	P2	0.49
Royal Mint Dr	Dawson Rd S	Blue Mountain Rd	Collector	P2	0.12
Royal Mint Dr	Rainbow Cv	Royal Park Cr	Collector	P2	0.49
Royal Mint Dr	Blue Mountain Rd	Rainbow Cv	Collector	P2	0.37
Royal Mint Dr	Morning Glory Cr	Royal Park Cr	Collector	P2	0.17
Royal Mint Dr	East Mint Pl	East Mint Pl	Collector	P2	0.03
Royal Mint Dr	Red Willow Cr	Blue Mountain Rd	Collector	P2	0.16
Royal Mint Dr	East Mint Pl	Goldenrod Cv	Collector	P2	0.19
Royal Mint Dr	Red Willow Cr	East Mint Pl	Collector	P2	0.67
Sage Cr Bv	Heartleaf Ln	Heartleaf Ln	Collector	P2	0.02
Sage Creek Bv	Warde Av	Blue Sun Dr	Collector	P2	0.12
Sage Creek Bv	Charity Ln	Ranville Rd	Collector	P2	0.38
Sage Creek Bv	Ranville Rd	Charity Ln	Collector	P2	0.37
Sage Creek Bv	Blue Sun Dr	Warde Av	Collector	P2	0.12
Sage Creek Bv	Sage Creek Bv	Heartleaf Ln	Collector	P2	0.18
Sage Creek Bv	Heartleaf Ln	Warde Av	Collector	P2	0.28

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Sage Creek Bv	Heartleaf Ln	Heartleaf Ln	Collector	P2	0.02
Sage Creek Bv	Sundog Dr	Borealis By	Collector	P2	0.24
Sage Creek Bv	Wildflower Wy	Borealis By	Collector	P2	0.32
Sage Creek Bv	Sundog Dr	Robert Bockstael Dr	Collector	P2	0.54
Sage Creek Bv	Warde Bv	Warde Bv	Collector	P2	0.05
Sage Creek Bv	Charity Ln	Blue Sun Dr	Collector	P2	0.18
Sage Creek Bv	Blue Sun Dr	Charity Ln	Collector	P2	0.18
Sage Creek Bv	Ranville Rd	Charity Ln	Collector	P2	0.37
Sage Creek Bv	Warde Av	Warde Av	Collector	P2	0.06
Seagrim Rd	Alpine Av	Niakwa Rd	Collector	P2	0.30
Seagrim Rd	Seagrim Rd	Fermor Av	Collector	P2	0.08
Seagrim Rd	Alpine Av	Fermor Av	Collector	P2	0.10
Shamrock Dr	Newcroft Rd	Newcombe Cr	Collector	P2	0.18
Shamrock Dr	Cliffwood Dr	Newcombe Cr	Collector	P2	0.17
Shamrock Dr	Beaverhill Bv	Cliffwood Dr	Collector	P2	0.56
Silver Sage Cr	Edward Turner Dr	Edward Turner Dr	Collector	P2	0.02
Sloane Cr	Aldgate Rd	Aldgate Rd	Collector	P2	0.02
Tidewater By	Island Shore Bv	Island Shore Bv	Collector	P2	0.03
Van Hull Wy	Portside Dr	Marvan Cv	Collector	P2	0.19
Van Hull Wy	St Marys Rd	Mardena Cr	Collector	P2	0.44
Van Hull Wy	Van Hull Wy	St Mary's Rd	Collector	P2	0.07
Van Hull Wy	Van Hull Wy	St Mary's Rd	Collector	P2	0.40
Van Hull Wy	Portside Dr	Mardena Cr	Collector	P2	0.17
Van Hull Wy	Marvan Cv	Portside Dr	Collector	P2	0.19
Van Hull Wy	Van Hull Wy	Van Hull Wy	Collector	P2	0.03
Vermillion Rd	Beaverhill Bv	Lake Park Dr	Collector	P2	0.28
Vermillion Rd	Brereton Rd	Minaki By	Collector	P2	0.16
Vermillion Rd	Minaki By	Minaki By	Collector	P2	0.16
Vermillion Rd	Clearwater Rd	Minaki By	Collector	P2	0.16
Vermillion Rd	Weatherstone Pl	Lakewood Bv	Collector	P2	0.03
Vermillion Rd	Beaverhill Bv	Beaverhill Bv	Collector	P2	0.02
Vermillion Rd	Lakewood Bv	Clearwater Rd	Collector	P2	0.46

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Vermillion Rd	Bonavista Pl	Lake Park Dr	Collector	P2	0.18
Vermillion Rd	Clearwater Rd	Lake Park Dr	Collector	P2	0.16
Vermillion Rd	Lake Park Dr	Bonavista Pl	Collector	P2	0.18
Vermillion Rd	Clearwater Rd	Brereton Rd	Collector	P2	0.16
Warde Av	Sage Creek Bv	Red Lily Rd	Collector	P2	0.84
Warde Av	Warde Av	Melnick Rd	Collector	P2	0.10
Warde Av	Lagimodiere Bv	Melnick Rd	Collector	P2	0.11
Warde Av	Melnick Rd	Lagimodiere Bv	Collector	P2	0.11
Warde Av			Collector	P2	0.03
Warde Av	Warde Av	De La Seigneurie Bv	Collector	P2	0.87
Warde Av	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.06
Warde Av	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.06
Warde Av	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.06
Warde Av	Red Lily Rd	Warde Av	Collector	P2	0.21
Warde Av	Red Lily Rd	Red Lily Rd	Collector	P2	0.05
Warde Av	Warde Av	Sage Creek Bv	Collector	P2	0.23
Warde Av	Warde Av	Red Lily Rd	Collector	P2	0.24
Warde Av	Red Lily Rd	Red Lily Rd	Collector	P2	0.05
Warde Av	Red Lily Rd	Des Hivernants Bv	Collector	P2	1.12
Warde Av	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.05
Warde Av	Des Hivernants Bv	Warde Av	Collector	P2	0.31
Warde Av	Warde Av	Lagimodiere Bv	Collector	P2	0.09
Waterfront Rd	Desjardins Dr	Windlass By	Collector	P2	0.58
Waterfront Rd	Island Shore Bv	Island Shore Bv	Collector	P2	0.03
Waterfront Rd	Island Shore Bv	Windlass By	Collector	P2	0.61
Waterside Cv	Island Shore Bv	Island Shore Bv	Collector	P2	0.03
Willowlake Cr	Stillwater Rd	Pebble Beach Rd	Collector	P2	0.28
Willowlake Cr	Lakewood Bv	Stillwater Rd	Collector	P2	0.24
Willowlake Cr	Southbridge Dr	Willow Point Rd	Collector	P2	0.17
Willowlake Cr	Limetree Cv	Southbridge Dr	Collector	P2	0.15
Willowlake Cr	Bluewater Cr	Beaverhill Bv	Collector	P2	0.48
Willowlake Cr	Southbridge Dr	Limetree Cv	Collector	P2	0.14

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Willowlake Cr	Willow Point Rd	Pebble Beach Rd	Collector	P2	0.57
Wood Sage Cr	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.03
Wood Sage Cr	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.03
Seagrim Rd	Alpine Av	Fermor Av	Collector	P2	0.14
Shamrock Dr	Newcroft Rd	Newcombe Cr	Collector	P2	0.31
Shamrock Dr	Cliffwood Dr	Newcombe Cr	Collector	P2	0.18
Shamrock Dr	Beaverhill Bv	Cliffwood Dr	Collector	P2	0.03
Silver Sage Cr	Edward Turner Dr	Edward Turner Dr	Collector	P2	0.16
Sloane Cr	Aldgate Rd	Aldgate Rd	Collector	P2	0.18
Tidewater By	Island Shore Bv	Island Shore Bv	Collector	P2	0.19
Van Hull Wy	Portside Dr	Marvan Cv	Collector	P2	0.18
Van Hull Wy	St Marys Rd	Mardena Cr	Collector	P2	0.13
Van Hull Wy	Van Hull Wy	St Mary's Rd	Collector	P2	0.20
Van Hull Wy	Van Hull Wy	St Mary's Rd	Collector	P2	0.47
Van Hull Wy	Portside Dr	Mardena Cr	Collector	P2	0.17
Van Hull Wy	Marvan Cv	Portside Dr	Collector	P2	0.16
Van Hull Wy	Van Hull Wy	Van Hull Wy	Collector	P2	0.09
Vermillion Rd	Beaverhill Bv	Lake Park Dr	Collector	P2	0.18
Vermillion Rd	Brereton Rd	Minaki By	Collector	P2	0.18
Vermillion Rd	Minaki By	Minaki By	Collector	P2	0.09
Vermillion Rd	Clearwater Rd	Minaki By	Collector	P2	0.19
Vermillion Rd	Weatherstone Pl	Lakewood Bv	Collector	P2	0.03
Vermillion Rd	Beaverhill Bv	Beaverhill Bv	Collector	P2	0.19
Vermillion Rd	Lakewood Bv	Clearwater Rd	Collector	P2	0.14
Vermillion Rd	Bonavista Pl	Lake Park Dr	Collector	P2	0.18
Vermillion Rd	Clearwater Rd	Lake Park Dr	Collector	P2	0.18
Vermillion Rd	Lake Park Dr	Bonavista Pl	Collector	P2	0.17
Vermillion Rd	Clearwater Rd	Brereton Rd	Collector	P2	0.18
Warde Av	Sage Creek Bv	Red Lily Rd	Collector	P2	0.19
Warde Av	Warde Av	Melnick Rd	Collector	P2	0.17
Warde Av	Lagimodiere Bv	Melnick Rd	Collector	P2	0.17
Warde Av	Melnick Rd	Lagimodiere Bv	Collector	P2	0.17

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Warde Av			Collector	P2	0.11
Warde Av	Warde Av	De La Seigneurie Bv	Collector	P2	0.19
Warde Av	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.41
Warde Av	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.39
Warde Av	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.19
Warde Av	Red Lily Rd	Warde Av	Collector	P2	0.17
Warde Av	Red Lily Rd	Red Lily Rd	Collector	P2	0.19
Warde Av	Warde Av	Sage Creek Bv	Collector	P2	0.19
Warde Av	Warde Av	Red Lily Rd	Collector	P2	0.21
Warde Av	Red Lily Rd	Red Lily Rd	Collector	P2	0.32
Warde Av	Red Lily Rd	Des Hivernants Bv	Collector	P2	0.74
Warde Av	Sage Creek Bv	Sage Creek Bv	Collector	P2	0.18
Warde Av	Des Hivernants Bv	Warde Av	Collector	P2	0.19
Warde Av	Warde Av	Lagimodiere Bv	Collector	P2	0.16
Waterfront Rd	Desjardins Dr	Windlass By	Collector	P2	0.20
Waterfront Rd	Island Shore Bv	Island Shore Bv	Collector	P2	0.17
Waterfront Rd	Island Shore Bv	Windlass By	Collector	P2	0.22
Waterside Cv	Island Shore Bv	Island Shore Bv	Collector	P2	0.22
Willowlake Cr	Stillwater Rd	Pebble Beach Rd	Collector	P2	0.03
Willowlake Cr	Lakewood Bv	Stillwater Rd	Collector	P2	0.31
Willowlake Cr	Southbridge Dr	Willow Point Rd	Collector	P2	0.75
Willowlake Cr	Limetree Cv	Southbridge Dr	Collector	P2	0.20
Willowlake Cr	Bluewater Cr	Beaverhill Bv	Collector	P2	0.10
Willowlake Cr	Southbridge Dr	Limetree Cv	Collector	P2	0.31
Willowlake Cr	Willow Point Rd	Pebble Beach Rd	Collector	P2	0.15
Wood Sage Cr	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.17
Wood Sage Cr	Des Hivernants Bv	Des Hivernants Bv	Collector	P2	0.18
TOTAL					100.08

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APPENDIX B - EAST AREA (SOUTH/EAST) PRIORITY III STREETS

STREET NAME	FROM STREET	TO STREET	SNOW ROUTE	PRIORITY	LANE KM
Abbotsfield Dr	Coleman Cv	Fulton St	Regional	P3	0.73
Abbotsfield Dr	Coleman Cv	Hochman Av	Regional	P3	0.07
Abbotsfield Dr	Ashworth St S	Lanyon Dr	Regional	P3	0.58
Abbotsfield Dr	Lanyon Dr	Fulton St	Regional	P3	0.17
Abbotsfield Dr	Hochman Av	Estabrook Cv	Regional	P3	0.11
Abbotsfield Dr	Julia Rd	Aldgate Rd	Regional	P3	0.18
Abbotsfield Dr	Estabrook Cv	Julia Rd	Regional	P3	0.24
Abington Rd	Beaverhill Bv	End	Regional	P3	0.36
Acton Pl	Brixton By	End	Regional	P3	0.18
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.19
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.28
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.36
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.29
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.38
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.26
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.19
Aldgate Rd	Aldgate Rd	Aldgate Rd	Regional	P3	0.29
Appleby Cv	Lakewood Bv	End	Regional	P3	0.18
Arpin By	Pauline Boutal Cr	Pauline Boutal Cr	Regional	P3	0.69
Ashwood Cv	Sweetwater By	End	Regional	P3	0.20
Aspen Cv	Grover Hills Ln	End	Regional	P3	0.20
Baisinger Dr	Ashworth St S	Everden Rd	Regional	P3	0.38
Baisinger Dr	John Forsyth Rd	Gaitwin Cv	Regional	P3	0.39
Baisinger Dr	Everden Rd	Manorhaven Dr	Regional	P3	0.87
Baptiste Tourond Rd	Moonbeam Wy	Moonbeam Wy	Regional	P3	0.34
Baptiste Tourond Rd	Sage Creek Bv	Moonbeam Wy	Regional	P3	0.18
Battersea Cl	Scammel Rd	End	Regional	P3	0.29
Bayfield Av	Clayton Dr	St Annes Rd	Regional	P3	0.33

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Bayshore Cv	Beaverhill Bv	End	Regional	P3	0.31
Baywater Pl	Beaverhill Bv	Beaverhill Bv	Regional	P3	0.17
Beaupre By	Charbonneau Cr	Gauvreau Rd	Regional	P3	0.57
Beaverhill Bv	Beaverhill Bv	Beaverhill Bv	Regional	P3	0.12
Beckwith Ln	John Forsyth Rd	Winterhaven	Regional	P3	0.22
Becontree By	Aldgate Rd	Eastcote Dr	Regional	P3	0.59
Bellington Pl	Southbridge Dr	End	Regional	P3	0.17
Berrydale Av	Clayton Dr	St Annes Rd	Regional	P3	0.35
Berrydale Av	Clayton Dr	End	Regional	P3	0.22
Berube Pl	Charbonneau Cr	End	Regional	P3	0.17
Black Pearl Cv	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.30
Blackheath Cs	Hallfield By	End	Regional	P3	0.21
Blue Sun Dr	Soltice Ln	Charity Ln	Regional	P3	0.47
Blue Sun Dr	Charity Ln	Sage Creek Bv	Regional	P3	0.52
Blue Sun Dr	Sage Creek Bv	Soltice Ln	Regional	P3	0.51
Blue Sun Dr	Soltice Ln	Charity Ln	Regional	P3	0.47
Blue Sun Dr	Charity Ln	Sage Creek Bv	Regional	P3	0.52
Bluestem Cv	Blue Mountain Rd	End	Regional	P3	0.22
Bluewater Cr	Willowlake Cr	Bluewater Cr	Regional	P3	0.40
Bluewater Cr	Bluewater Cr	Cherwell Rd	Regional	P3	0.35
Bluewater Cr	Cherwell Rd	Cherwell Rd	Regional	P3	0.64
Bluewater Cr	Bluewater Cr	Beaverhill Bv	Regional	P3	0.39
Boisselle By	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.56
Bonavista Pl	End	Vermillion Rd	Regional	P3	0.26
Bonita Av	Clayton Dr	Havelock Av	Regional	P3	0.33
Boone Pl	End	Paddington Rd	Regional	P3	0.25
Borealis By	End	Sage Creek Bv	Regional	P3	0.31
Bounty By	Island Lakes Dr	End	Regional	P3	0.18
Brabant Cv	Aldgate Rd	End	Regional	P3	0.26
Brambleforde Cr	Florian Pl	End	Regional	P3	0.49
Brambleforde Cr	Redview Dr	Florian Pl	Regional	P3	0.19
Breakwater Cv	Island Shore Bv	End	Regional	P3	0.26

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Brereton Rd	Vermillion Rd	Clearwater Rd	Regional	P3	0.48
Brian Monkman By	De La Seigneurie Bv	Island Shore Bv	Regional	P3	0.73
Brian Monkman By	Brian Monkman By	Brian Monkman By	Regional	P3	0.14
Brixton By	Acton Pl	Cardno Cv	Regional	P3	0.17
Brixton By	Cardno Cv	Burland Av	Regional	P3	0.87
Brixton By	Acton Pl	Burland Av	Regional	P3	0.36
Bromton Rd	Beaverhill Bv	End	Regional	P3	0.37
Brookhaven By	Lakewood Bv	Stillwater Rd	Regional	P3	0.21
Brookhaven By	Lakewood Bv	Stillwater Rd	Regional	P3	0.93
Brotman By	John Forsyth Rd	John Forsyth Rd	Regional	P3	0.87
Bruton Pl	Trowbridge By	End	Regional	P3	0.21
Buckley Trow By	Sidebottom Dr	Sidebottom Dr	Regional	P3	0.51
Burntwood Cr	Beaverhill Bv	Lakewood Bv	Regional	P3	0.68
Bursill Rd	Newcombe Cr	Newcombe Cr	Regional	P3	0.48
Cactus Cv	Aldgate Rd	End	Regional	P3	0.18
Cambrai Cv	Malmsbury Av	Malmsbury Av	Regional	P3	0.12
Camirant Cr	Island Lakes Dr	Langton Dr	Regional	P3	0.18
Camirant Cr	Langton Dr	Langton Dr	Regional	P3	0.66
Camirant Cr	Langton Dr	Island Lakes Dr	Regional	P3	0.44
Capston Rd	Capston Rd	Capston Rd	Regional	P3	0.18
Captains Wy	Pamela Rd	Ebb Tide Dr	Regional	P3	0.67
Cardno Cv	Brixton By	End	Regional	P3	0.15
Carnaby Pl	Orchard Ln	End	Regional	P3	0.22
Cassin Cr	De La Seigneurie Bv	Smugglers Cv	Regional	P3	0.27
Cassin Cr	Smugglers Cv	Quayside Cv	Regional	P3	0.41
Cassin Cr	Quayside Cv	De La Seigneurie Bv	Regional	P3	0.40
Causeway By	Pauline Boutal Cr	Pauline Boutal Cr	Regional	P3	0.42
Cedarcroft Pl	Ravensden Dr	End	Regional	P3	0.32
Chancery By	Burland Av	Burland Av	Regional	P3	0.70
Charbonneau Cr	Beaupre By	Berube Pl	Regional	P3	0.15
Charbonneau Cr	Beaupre By	Joyal Pl	Regional	P3	0.16
Charbonneau Cr	Berube Pl	Island Shore Bv	Regional	P3	0.23

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Charbonneau Cr	Gauvreau Rd	Joyal Pl	Regional	P3	0.92
Charbonneau Cr	Gauvreau Rd	End	Regional	P3	0.23
Charity Ln	Ranville Rd	Sage Creek Bv	Regional	P3	0.17
Charity Ln	Blue Sun Dr	Ranville Rd	Regional	P3	0.18
Chatsworth Pl	Park Grove Dr	End	Regional	P3	0.22
Chenier By	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.42
Cherwell Rd	Bromton Rd	Bluewater Cr	Regional	P3	0.15
Cherwell Rd	Bluewater Cr	Farnham Rd	Regional	P3	0.17
Cherwell Rd	Bluewater Cr	Beaverhill Bv	Regional	P3	0.19
Chesham Cv	Eastcote Dr	Eastcote Dr	Regional	P3	0.17
Clapham Cv	Kamberwell By	End	Regional	P3	0.17
Clarendon Rd	Pebble Beach Rd	Royal Salinger Rd	Regional	P3	0.54
Clayton Dr	St Annes Rd	Bonita Av	Regional	P3	0.42
Clayton Dr	Berrydale Av	Bayfield Av	Regional	P3	0.16
Clayton Dr	Berrydale Av	Oustic Av E	Regional	P3	0.15
Clayton Dr	Wingham Av	Bayfield Av	Regional	P3	0.21
Clayton Dr	Bonita Av	Wingham Av	Regional	P3	0.19
Clearwater Rd	Lakemere Pl	Brereton Rd	Regional	P3	0.06
Clearwater Rd	Vermillion Rd	Lakemere Pl	Regional	P3	0.24
Clearwater Rd	Vermillion Rd	Brereton Rd	Regional	P3	1.16
Clerkenwell By	Aldgate Rd	Aldgate Rd	Regional	P3	0.59
Cliffwood Dr	Shamrock Dr	Dayton Dr	Regional	P3	0.18
Cliffwood Dr	Manring Cv	Manring Cv	Regional	P3	0.38
Cliffwood Dr	Dayton Dr	Manring Cv	Regional	P3	0.71
Cliffwood Dr	Manring Cv	Dayton Dr	Regional	P3	0.23
Cliffwood Dr	Manring Cv	Manring Cv	Regional	P3	0.12
Cliffwood Dr	Dayton Dr	Newcroft Rd	Regional	P3	0.18
Cliffwood Dr	Capston Rd	End	Regional	P3	0.30
Coleman Cv	Abbotsfield Dr	End	Regional	P3	0.19
Collingwood Cr	Beaverhill Bv	Hidden Valley Cv	Regional	P3	0.40
Collingwood Cr	Hidden Valley Cv	Park Grove Dr	Regional	P3	0.26
Colshort Pl	Ravensden Dr	End	Regional	P3	0.18

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Coneflower Cr	Sundog Dr	End	Regional	P3	0.22
Coneflower Cr	Fisette Pl	Sundog Dr	Regional	P3	0.49
Coombs Dr	Everden Rd	Croft Cl	Regional	P3	0.21
Coombs Dr	Draho Cr	Everden Rd	Regional	P3	0.18
Coombs Dr	Ashworth St S	Draho Cr	Regional	P3	0.19
Coombs Dr	Croft Cl	John Forsyth Rd	Regional	P3	0.41
Copperstone Cr	Red Willow Cr	Blue Mountain Rd	Regional	P3	0.77
Coral Reef Cv	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.69
Corbeil Pl	Gauvreau Rd	End	Regional	P3	0.28
Cormorant By	Edgewater Dr	Watercress Rd	Regional	P3	0.27
Cormorant By	Edgewater Dr	Watercress Rd	Regional	P3	0.96
Cotter Cl	Aldgate Rd	End	Regional	P3	0.26
Courtwood Pl	Beaverhill Bv	End	Regional	P3	0.22
Coxswain Cv	Pamela Rd	End	Regional	P3	0.19
Creek Bend Rd	End of Concrete	Creek Bend Rd	Regional	P3	0.12
Creek Bend Rd	Creek Bend Rd Crossing of	St Annes Rd	Regional	P3	0.38
Creek Bend Rd Crossing of	Creek Bend Rd	Creek Bend Rd	Regional	P3	0.06
Croft Cl	Coombs Dr	End	Regional	P3	0.24
Culloden Rd	Beaverhill Bv	End	Regional	P3	0.38
Cummings Cr	Kingsclear Dr	Aldgate Rd	Regional	P3	0.46
Cyril Pl	Lakewood Bv	End	Regional	P3	0.26
Dawson Rd S	Plessis Rd	Royal Mint Dr	Regional	P3	2.97
Dayton Dr	Cliffwood Dr	Cliffwood Dr	Regional	P3	1.03
De Caigny Cv	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.72
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.21
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.24
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.54
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.34
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.11
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.22
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.19
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.17

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De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.34
De La Seigneurie Bv	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.20
Desjardins Dr	Desjardins Dr	Desjardins Dr	Regional	P3	0.20
Desjardins Dr	Desjardins Dr	Desjardins Dr	Regional	P3	0.36
Desjardins Dr	Desjardins Dr	Desjardins Dr	Regional	P3	0.21
Deswood Pl	Newcombe Cr	End	Regional	P3	0.22
Diamond Dust Dr	Edward Turner Dr	John Pelland Rd	Regional	P3	0.19
Diamond Dust Dr	Lacewing Ln	End	Regional	P3	0.35
Diamond Dust Dr	John Pelland Rd	Lacewing Ln	Regional	P3	0.18
Dockside Wy	Henry Dormer Dr	Georges Druwf Cr	Regional	P3	0.74
Dockside Wy	Georges Druwf Cr	De La Seigneurie Bv	Regional	P3	0.19
Dogwood Cv	Southbridge Dr	End	Regional	P3	0.18
Dorsay Pl	Stillwater Rd	End	Regional	P3	0.31
Dragonfly Crt	Edward Turner Dr	Lacewing Ln	Regional	P3	0.43
Dragonfly Crt	Edward Turner Dr	Lacewing Ln	Regional	P3	0.43
Draho Cr	Coombs Dr	Everden Rd	Regional	P3	0.49
Driftwood By	Queensway Cr	Beaverhill Bv	Regional	P3	0.52
Driftwood By	Queensway Cr	Beaverhill Bv	Regional	P3	0.19
Driftwood By	Queensway Cr	Queensway Cr	Regional	P3	0.59
Eastcote Dr	Aldgate Rd	Chesham Cv	Regional	P3	0.74
Eastcote Dr	Becontree By	Chesham Cv	Regional	P3	0.26
Eastcote Dr	Becontree By	Aldgate Rd	Regional	P3	0.19
Eastcote Dr	Chesham Cv	Chesham Cv	Regional	P3	0.03
Easy St	Redview Dr	Easy St	Regional	P3	0.18
Easy St	Normand Park Dr	Easy St	Regional	P3	0.33
Easy St	Normand Park Dr	Reese Cv	Regional	P3	0.32
Easy St	Easy St	Reese Cv	Regional	P3	0.72
EB Clayton Rd	Faraway Ln	Aldgate Rd	Regional	P3	0.17
EB Clayton Rd	Elsey Rd	End	Regional	P3	0.22
EB Clayton Rd	Faraway Ln	Elsey Rd	Regional	P3	0.34
Ebb Tide Dr	Captains Wy	Ebb Tide Dr	Regional	P3	0.63
Ebb Tide Dr	Ebb Tide Dr	Ebb Tide Dr	Regional	P3	0.16

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Ebb Tide Dr	Coxswain Cv	Captains Wy	Regional	P3	0.23
Ebb Tide Dr	Ebb Tide Dr	Ebb Tide Dr	Regional	P3	0.03
Ebb Tide Dr	Island Shore Bv	Ebb Tide Dr	Regional	P3	0.45
Edgemont Dr	Marwood Cr	Marwood Cr	Regional	P3	0.58
Edgemont Dr	Jade Pl	Harwick Ln	Regional	P3	0.40
Edgemont Dr	Beaverhill Bv	Jade Pl	Regional	P3	0.27
Edgemont Dr	Beaverhill Bv	Marwood Cr	Regional	P3	0.21
Edgemont Dr	Marwood Cr	Harwick Ln	Regional	P3	0.49
Elsey Rd	Sidebottom Dr	EB Clayton Rd	Regional	P3	0.19
Elsey Rd	End	Aldgate Rd	Regional	P3	0.20
Erindale Cr	John Forsyth Rd	Aldgate Rd	Regional	P3	0.42
Estabrook Cv	Abbotsfield Dr	End	Regional	P3	0.23
Evelyne Reese Bv	Evelyne Reese Bv	Evelyne Reese Bv	Regional	P3	0.19
Evelyne Reese Bv	Evelyne Reese Bv	Evelyne Reese Bv	Regional	P3	0.19
Evelyne Reese Bv	Island Shore Bv	End	Regional	P3	0.26
Everden Rd	Coombs Dr	John Forsyth Rd	Regional	P3	0.24
Everden Rd	John Forsyth Rd	Draho Cr	Regional	P3	0.25
Everden Rd	Baisinger Dr	Coombs Dr	Regional	P3	0.18
Everden Rd	Baisinger Dr	Ashworth St S	Regional	P3	0.58
Everglade Pl	Beaverhill Bv	End	Regional	P3	0.25
Everingham By	Aldgate Rd	Aldgate Rd	Regional	P3	0.54
Fallbrook By	Pebble Beach Rd	Pebble Beach Rd	Regional	P3	0.87
Faraway Ln	Aldgate Rd	EB Clayton Rd	Regional	P3	0.42
Farnham Rd	Beaverhill Bv	Cherwell Rd	Regional	P3	0.44
Farnsworth Cr	Kellendonk Rd	End	Regional	P3	0.25
Farnsworth Cr	Kellendonk Rd	Aldgate Rd	Regional	P3	0.50
Fernwood Av	St Annes Rd	End	Regional	P3	0.22
Fisette Pl	Coneflower Cr	End	Regional	P3	0.19
Fisette Pl	Sage Creek Bv	Coneflower Cr	Regional	P3	0.19
Florian Pl	Brambleforde Cr	End	Regional	P3	0.06
Fonseca Pl	Aldgate Rd	End	Regional	P3	0.22
Frigate By	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.55

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Fulton St	Hochman Av	Abbotsfield Dr	Regional	P3	0.43
Fulton St	Hochman Av	Lanyon Dr	Regional	P3	0.41
Fulton St	Ashworth St S	Lanyon Dr	Regional	P3	0.43
Furness By	Burland Av	Healy Cr	Regional	P3	0.45
Gablehurst Cr	John Forsyth Rd	Ashworth St S	Regional	P3	0.51
Gadwall Pl	Stillwater Rd	End	Regional	P3	0.22
Gaitwin Cv	Baisinger Dr	End	Regional	P3	0.19
Garwick Cv	Capston Rd	Capston Rd	Regional	P3	0.73
Gauvreau Rd	Beaupre By	Charbonneau Cr	Regional	P3	0.16
Gauvreau Rd	Beaupre By	Corbeil Pl	Regional	P3	0.07
Gauvreau Rd	Corbeil Pl	Island Shore Bv	Regional	P3	0.22
George Druwe Cr	Henry Dormer Dr	Dockside Wy	Regional	P3	0.43
Gleneagles Rd	Pebble Beach Rd	Willow Point Rd	Regional	P3	0.73
Glenham Cv	John Forsyth Rd	End	Regional	P3	0.23
Gobert Cr	Aldgate Rd	Vielliers Pl	Regional	P3	0.46
Gobert Cr	Parenteau Pl	Vermette Pl	Regional	P3	0.18
Gobert Cr	Vermette Pl	Willesden Cr	Regional	P3	0.03
Gobert Cr	Parenteau Pl	Vielliers Pl	Regional	P3	0.19
Gobert Cr	Willesden Cr	Aldgate Rd	Regional	P3	0.53
Goldenrod Cv	Royal Mint Dr	End	Regional	P3	0.26
Grover Hills Ln	Aspen Cv	Beaverhill Bv	Regional	P3	0.50
Grover Hills Ln	Aspen Cv	Vermillion Rd	Regional	P3	0.21
Guernsey Ln	Wainwright Cr	Wainwright Cr	Regional	P3	0.51
Guernsey Ln	Aldgate Rd	Wainwright Cr	Regional	P3	0.19
Gull Wing By	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.72
Gwynne Rd	Scholberg Ln	Sabourin Pl	Regional	P3	0.17
Hacault Pl	Pamela Rd	End	Regional	P3	0.18
Hackmore Cr	Highbury Rd	John Forsyth Rd	Regional	P3	0.49
Hallfield By	Aldgate Rd	Sloane Cr	Regional	P3	0.29
Hallfield By	Hallfield Pl	Blackheath Cs	Regional	P3	0.26
Hallfield By	Ralston Cr	Hallfield By	Regional	P3	0.17
Hallfield By	Aldgate Rd	Ralston Cr	Regional	P3	0.18

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Hallfield By	Blackheath Cs	Upavon Rd	Regional	P3	0.19
Hallfield Pl	Sloane Cr	Hallfield Pl	Regional	P3	0.18
Hallfield Pl	Hallfield By	End	Regional	P3	0.27
Harbours End Cv	Pauline Boutal Cr	End	Regional	P3	0.25
Harding Cr	Ravensden Dr	Ravensden Dr	Regional	P3	0.35
Harding Cr	Aldgate Rd	Ravensden Dr	Regional	P3	0.37
Harwick Ln	Beaverhill Bv	Edgemont Dr	Regional	P3	0.51
Hazelnut Ln	Tallgrass Cr	Tallgrass Cr	Regional	P3	0.22
Healy Cr	Furness By	Paddington Rd	Regional	P3	0.52
Healy Cr	Burland Av	Furness By	Regional	P3	0.29
Heartleaf Ln	Purplesage Cr	Heartleaf Ln	Regional	P3	0.10
Heartleaf Ln	Purplesage Cr	Purplesage Cr	Regional	P3	0.22
Heartleaf Ln	Sage Creek Bv	Purplesage Cr	Regional	P3	0.11
Heartleaf Ln	Wildflower Wy	Sage Creek Bv	Regional	P3	0.11
Heartleaf Ln	Purplesage Cr	Sage Creek Bv	Regional	P3	0.11
Heartleaf Ln	Wildflower Wy	Sage Creek Bv	Regional	P3	0.11
Hedgewood Cv	Portside Dr	End	Regional	P3	0.17
Henry Dormer Dr	Henry Dormer Dr	Henry Dormer Dr	Regional	P3	0.15
Henry Dormer Dr	Island Shore Bv	Georges Druwf Cr	Regional	P3	0.19
Henry Dormer Dr	Georges Druwf Cr	Dockside Wy	Regional	P3	0.64
Henry Pehrson Cv	Easy St	End	Regional	P3	0.06
Hidden Valley Cv	Collingwood Cr	End	Regional	P3	0.18
Higham By	Aldgate Rd	Aldgate Rd	Regional	P3	0.51
Highcastle Cr	Keelegate Pl	Aldgate Rd	Regional	P3	0.45
Hindle Gt	Aldgate Rd	End	Regional	P3	0.26
Hindley Av	St Annes Rd	End	Regional	P3	0.74
Hochman Av	Fulton St	Lanyon Dr	Regional	P3	0.23
Hochman Av	Fulton St	Abbotsfield Dr	Regional	P3	0.17
Huppe By	Island Shore Bv	Island Shore Bv	Regional	P3	0.67
Ironweed Rd	Tallgrass Cr	Tallgrass Cr	Regional	P3	0.25
Ironweed Rd	Tallgrass Cr	Des Hivernants Bv	Regional	P3	0.11
Ironweed Rd	Tallgrass Cr	Des Hivernants Bv	Regional	P3	0.11

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Island Cv	Island Shore Bv	End	Regional	P3	0.18
Island Lakes Dr	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.18
Island Lakes Dr	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.27
Island Shore Bv	Island Shore Bv	Island Shore Bv	Regional	P3	0.24
Island Shore Bv	Island Shore Bv	Island Shore Bv	Regional	P3	0.25
Island Shore Bv	Island Shore Bv	Island Shore Bv	Regional	P3	0.29
Island Shore Bv	Island Shore Bv	Island Shore Bv	Regional	P3	0.19
Island Shore Bv	Island Shore Bv	Island Shore Bv	Regional	P3	0.18
Islington Ct	Scammel Rd	End	Regional	P3	0.26
Jade Pl	Edgemont Dr	End	Regional	P3	0.22
John Forsyth Rd	John Forsyth Rd	John Forsyth Rd	Regional	P3	0.27
John Forsyth Rd	John Forsyth Rd	John Forsyth Rd	Regional	P3	0.17
John Pelland Rd	Diamond Dust Dr	Lacewing Ln	Regional	P3	0.45
Joyal Pl	Charbonneau Cr	End	Regional	P3	0.24
Julia Cv	Julia Rd	Julia Rd	Regional	P3	0.15
Julia Rd	Ashworth St S	Abbotsfield Dr	Regional	P3	0.83
Kamberwell By	Aldgate Rd	Clapham Cv	Regional	P3	0.29
Kamberwell By	Aldgate Rd	Clapham Cv	Regional	P3	0.33
Kara Cv	Normand Park Dr	End	Regional	P3	0.06
Keelegate Pl	Aldgate Rd	Highcastle Cr	Regional	P3	0.28
Keelegate Pl	Highcastle Cr	End	Regional	P3	0.16
Kellendonk Rd	Michaud Cr	Aldgate Rd	Regional	P3	0.20
Kellendonk Rd	Michaud Cr	Farnsworth Cr	Regional	P3	0.20
Kenton Cv	Beaverhill Bv	End	Regional	P3	0.32
Kingsclear Dr	Aldgate Rd	Cummings Cr	Regional	P3	0.33
Kingsclear Dr	Cummings Cr	End	Regional	P3	0.09
Kinsbourne Green Af	Westbourne Cr	End	Regional	P3	0.16
Knotsberry By	Burland Av	Malmsbury Av	Regional	P3	0.49
Knotsberry By	Malmsbury Av	Trowbridge By	Regional	P3	0.17
Knotsberry By	Poitras Pl	Trowbridge By	Regional	P3	0.19
Lacewing Ln	Rain Shadow By	Pintail Pt	Regional	P3	0.17
Lacewing Ln	Dragonfly Ct	Rain Shadow By	Regional	P3	0.18

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Lacewing Ln	Rain Shadow By	Rain Shadow By	Regional	P3	0.17
Lacewing Ln	Pintail Pt	Diamond Dust Dr	Regional	P3	0.15
Lagace Pl	Island Shore Bv	End	Regional	P3	0.21
Lake Lawn Dr	Beaverhill Bv	Marina Pl	Regional	P3	0.37
Lake Lawn Dr	Beaverhill Bv	Marina Pl	Regional	P3	0.56
Lake Park Dr	Lake Park Dr	Vermillion Rd	Regional	P3	0.30
Lake Park Dr	Vermillion Rd	Lake Park Dr	Regional	P3	0.71
Lake Park Dr	Lake Park Dr	Lake Park Dr	Regional	P3	0.16
Lakemere Pl	Clearwater Rd	End	Regional	P3	0.23
Lakeview Cv	De La Seigneurie Bv	End	Regional	P3	0.18
Lands End Cv	Island Shore Bv	End	Regional	P3	0.26
Langton Dr	De La Seigneurie Bv	Camirant Cr	Regional	P3	0.20
Langton Dr	Camirant Cr	Camirant Cr	Regional	P3	0.49
Lanyon Dr	Abbotsfield Dr	Warde Av	Regional	P3	0.15
Lanyon Dr	Hochman Av	Abbotsfield Dr	Regional	P3	0.44
Lanyon Dr	Hochman Av	Fulton St	Regional	P3	0.19
Lavalee Rd	St Annes Rd	End	Regional	P3	0.70
Leeward Pl	Desjardins Dr	Myles Robinson Wy	Regional	P3	0.30
Leger Cr	Island Shore Bv	Marcoux Pl	Regional	P3	0.89
Leger Cr	Island Shore Bv	Marcoux Pl	Regional	P3	0.17
Lessard Pl	Pauline Boutal Cr	De La Seigneurie Bv	Regional	P3	0.20
Lighthouse Pt	Tidewater By	End	Regional	P3	0.25
Lighthouse Pt	Island Shore Bv	Tidewater By	Regional	P3	0.19
Limetree Cv	Willowlake Cr	End	Regional	P3	0.31
Linmar Wy	Royal Mint Dr	End	Regional	P3	1.04
Loneoak Pl	Southbridge Dr	End	Regional	P3	0.17
Lonergan Pl	Lakewood Bv	End	Regional	P3	0.22
Lyonsgate Cv	Ravensden Dr	End	Regional	P3	0.25
Malmsbury Av	Burland Av	Knotsberry By	Regional	P3	0.18
Malmsbury Av	Trowbridge By	Cambrai Cv	Regional	P3	0.17
Malmsbury Av	Cambrai Cv	Pately Cr	Regional	P3	0.59
Malmsbury Av	Knotsberry By	Trowbridge By	Regional	P3	0.47

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Malmsbury Av	Cambrai Cv	Cambrai Cv	Regional	P3	0.03
Manbrough Pl	Park Grove Dr	End	Regional	P3	0.22
Manby Av	Paddington Rd	Westbourne Cr	Regional	P3	0.37
Manorhaven Dr	Baisinger Dr	John Forsyth Rd	Regional	P3	0.47
Manring Cv	Cliffwood Dr	Vale Pl	Regional	P3	0.32
Manring Cv	Cliffwood Dr	Vale Pl	Regional	P3	0.32
Marcoux Pl	Leger Cr	End	Regional	P3	0.25
Mardena Cr	Portside Dr	Mardena Cr	Regional	P3	0.76
Marina Pl	Lake Lawn Dr	End	Regional	P3	0.18
Marine Dr	Yachts Cv	Yachts Cv	Regional	P3	0.03
Marine Dr	Yachts Cv	Marine Dr	Regional	P3	0.34
Marine Dr	Brambleforde Cr	Marine Dr	Regional	P3	0.25
Marine Dr	Marine Dr	Portside Dr	Regional	P3	0.17
Marine Dr	Brambleforde Cr	Yachts Cv	Regional	P3	0.32
Marlene St	Beliveau Rd E	End	Regional	P3	0.10
Marlene St	Beliveau Rd E	Worthington Av	Regional	P3	0.48
Marvan Cv	End	Van Hull Wy	Regional	P3	0.17
Marwood Cr	Edgemont Dr	Edgemont Dr	Regional	P3	0.53
McGurran Pl	Lakewood Bv	Lakewood Bv	Regional	P3	0.13
McKall By	De La Seigneurie Bv	Island Lakes Dr	Regional	P3	0.56
Michaud Cr	Aldgate Rd	Kellendonk Rd	Regional	P3	0.47
Minaki By	Vermillion Rd	Vermillion Rd	Regional	P3	0.62
Miner Cv	End	Aldgate Rd	Regional	P3	0.09
Moonbeam Wy	Sage Creek Bv	Baptiste Tournond Rd	Regional	P3	0.64
Moonbeam Wy	Baptiste Tournond Rd	Temporary Lane Crossing	Regional	P3	0.29
Moonbeam Wy	Temporary Lane Crossing	Moonbeam Wy	Regional	P3	0.39
Morning Glory Cr	Royal Mint Dr	Royal Mint Dr	Regional	P3	0.68
Morrow Av	St Annes Rd	End	Regional	P3	0.55
Mount Laurel Cr	Capston Rd	Capston Rd	Regional	P3	1.22
Myles Robinson Wy	Desjardins Dr	Leeward Pl	Regional	P3	0.38
Myles Robinson Wy	Island Lakes Dr	Leeward Pl	Regional	P3	0.53
Nault Cl	Aldgate Rd	End	Regional	P3	0.21

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Newcombe Cr	Bursill Rd	Deswood Pl	Regional	P3	0.65
Newcombe Cr	Bursill Rd	Shamrock Dr	Regional	P3	0.19
Newcombe Cr	Bursill Rd	Deswood Pl	Regional	P3	0.19
Newcombe Cr	Shamrock Dr	End	Regional	P3	0.23
Newcombe Cr	Bursill Rd	Shamrock Dr	Regional	P3	0.18
Newcroft Rd	Newcroft Rd	Newcroft Rd	Regional	P3	0.67
Newcroft Rd	Cliffwood Dr	Shamrock Dr	Regional	P3	0.04
Niakwa Rd	Seagrim Rd	End	Regional	P3	0.56
Niakwa Rd	Archibald St	End	Regional	P3	1.06
Nordstrom Dr	De La Seigneurie Bv	Scholberg Ln	Regional	P3	0.19
Nordstrom Dr	Sabourin Pl	Sabourin Pl	Regional	P3	0.85
Nordstrom Dr	Sabourin Pl	Scholberg Ln	Regional	P3	0.18
Normand Av	St Marys Rd	End	Regional	P3	0.82
Normand Park Dr	Redview Dr	Redview Dr	Regional	P3	0.39
Normand Park Dr	Normand Park Dr	End	Regional	P3	0.04
Normand Park Dr	Normand Park Dr	Redview Dr	Regional	P3	0.25
Orchard Ln	Carnaby Pl	Shoreview By	Regional	P3	0.24
Orchard Ln	Shoreview By	Carnaby Pl	Regional	P3	0.18
Orford Cr	Aldgate Rd	Tilstone By	Regional	P3	0.43
Osprey Pl	Stillwater Rd	End	Regional	P3	0.32
Oustic Av E	Clayton Dr	End	Regional	P3	0.10
Oustic Av E	St Annes Rd	Clayton Dr	Regional	P3	0.36
Packard Pl	Southfields Dr	End	Regional	P3	0.19
Paddington Rd	Aldgate Rd	Scammel Rd	Regional	P3	0.15
Palisade Cv	End	Prairie Smoke Dr	Regional	P3	0.26
Pamela Rd	Island Shore Bv	Captains Wy	Regional	P3	0.20
Pamela Rd	Captains Wy	Hacault Pl	Regional	P3	0.22
Pamela Rd	Hacault Pl	Ebb Tide Dr	Regional	P3	0.19
Parenteau Pl	Gobert Cr	End	Regional	P3	0.06
Park Grove Dr	Beaverhill Bv	Collingwood Cr	Regional	P3	0.62
Park Grove Dr	Manbrough Pl	Chatsworth Pl	Regional	P3	0.42
Park Grove Dr	Chatsworth Pl	Collingwood Cr	Regional	P3	0.10

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Park Grove Dr	Beaverhill Bv	Manbrough Pl	Regional	P3	0.59
Park Terrace Dr	Beaverhill Bv	Beaverhill Bv	Regional	P3	0.67
Pately Cr	Malmsbury Av	Paddington Rd	Regional	P3	0.19
Pately Cr	Burland Av	Malmsbury Av	Regional	P3	0.71
Pauline Boutal Cr	Arpin By	Harbours End Cv	Regional	P3	0.20
Pauline Boutal Cr	Causeway By	De La Seigneurie Bv	Regional	P3	0.40
Pauline Boutal Cr	De La Seigneurie Bv	Arpin By	Regional	P3	0.36
Pauline Boutal Cr	Arpin By	Arpin By	Regional	P3	0.17
Pauline Boutal Cr	Treasure Cv	Harbours End Cv	Regional	P3	0.21
Pauline Boutal Cr	Treasure Cv	Causeway By	Regional	P3	0.20
Pelican Pt	Robert Bockstael Dr	End	Regional	P3	0.20
Pentonville Cr	Aldgate Rd	Ravensden Dr	Regional	P3	0.50
Peres Oblats Dr	Quayside Cv	De La Seigneurie Bv	Regional	P3	0.38
Peres Oblats Dr	Peres Oblats Dr	Peres Oblats Dr	Regional	P3	0.15
Peres Oblats Dr	Quayside Cv	Quayside Cv	Regional	P3	0.25
Peres Oblats Dr	Quayside Cv	Smugglers Cv	Regional	P3	0.35
Pevensey Pl	Aldgate Rd	End	Regional	P3	0.22
Pine Bluff Rd	Niakwa Rd	Pebble Beach Rd	Regional	P3	0.66
Pintail Pt	Lacewing Ln	End	Regional	P3	0.30
Postras Pl	Knotsberry By	End	Regional	P3	0.19
Postras Pl	Burland Av	Knotsberry By	Regional	P3	0.20
Portside Dr	Mardena Cr	Van Hull Wy	Regional	P3	0.26
Portside Dr	Mardena Cr	Hedgewood Cv	Regional	P3	0.26
Portside Dr	Marine Dr	Van Hull Wy	Regional	P3	0.17
Portside Dr	Hedgewood Cv	Marine Dr	Regional	P3	0.35
Portside Dr	Van Hull Wy	Van Hull Wy	Regional	P3	0.04
Prairie Smoke Dr	End	Wild Iris Wk	Regional	P3	0.35
Prairie Smoke Dr	Water Lily Ln	Edward Turner Dr	Regional	P3	0.18
Prairie Smoke Dr	Wild Iris Wk	Palisade Cv	Regional	P3	0.18
Prairie Smoke Dr	Wild Iris Wk	Palisade Cv	Regional	P3	0.17
Proulx Pl	Lafrance Ln	Lafrance Ln	Regional	P3	0.26
Prudhomme By	Aldgate Rd	Aldgate Rd	Regional	P3	0.50

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Purplesage Cr	Heartleaf Ln	Heartleaf Ln	Regional	P3	0.01
Purplesage Cr	Heartleaf Ln	Heartleaf Ln	Regional	P3	0.53
Purplesage Cr	Heartleaf Ln	Heartleaf Ln	Regional	P3	0.60
Pynoo Pl	De La Seigneurie Bv	De La Seigneurie Bv	Regional	P3	0.40
Quantrell By	John Forsyth Rd	Quantrell By	Regional	P3	0.33
Quantrell By	Quantrell By	End	Regional	P3	0.09
Quantrell By	Quantrell By	John Forsyth Rd	Regional	P3	0.17
Quayside Cv	Peres Oblats Dr	Peres Oblats Dr	Regional	P3	0.70
Quayside Cv	Cassin Cr	Peres Oblats Dr	Regional	P3	0.17
Queensway Cr	Driftwood By	Serino Pl	Regional	P3	0.37
Queensway Cr	Driftwood By	Serino Pl	Regional	P3	0.28
Radburn Pl	Beaverhill Bv	End	Regional	P3	0.25
Rain Shadow By	Lacewing Ln	Lacewing Ln	Regional	P3	0.58
Rainbow Cv	Royal Mint Dr	End	Regional	P3	0.19
Ralston Cr	Aldgate Rd	Hallfield By	Regional	P3	0.37
Ranville Rd	Ranville Rd	Charity Ln	Regional	P3	0.27
Ranville Rd	Sage Creek Bv	Ranville Rd	Regional	P3	0.16
Ranville Rd	Ranville Rd	Charity Ln	Regional	P3	0.27
Ranville Rd	Sage Creek Bv	Ranville Rd	Regional	P3	0.36
Ranville Rd	Ranville Rd	Sage Creek Bv	Regional	P3	0.07
Ranville Rd	Ranville Rd	Sage Creek Bv	Regional	P3	0.07
Ranville Rd	Sage Creek Bv	Ranville Rd	Regional	P3	0.16
Ravensden Dr	Roehampton Pl	End	Regional	P3	0.12
Ravensden Dr	Cedarcroft Pl	Uppingham Pl	Regional	P3	0.18
Ravensden Dr	Aldgate Rd	Lyonsgate Cv	Regional	P3	0.20
Ravensden Dr	Harding Cr	End	Regional	P3	0.29
Ravensden Dr	Lyonsgate Cv	Pentonville Cr	Regional	P3	0.19
Ravensden Dr	Harding Cr	Colshort Pl	Regional	P3	0.18
Ravensden Dr	Ravensden Dr	Ravensden Dr	Regional	P3	0.33
Red Lily Rd	Red Lily Rd	Willow Ln	Regional	P3	0.41
Red Lily Rd	Willow Ln	Willow Ln	Regional	P3	0.57
Red Lily Rd	Red Lily Rd	Willow Ln	Regional	P3	0.38

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Red Lily Rd	Warde Av	Red Lily Rd	Regional	P3	0.11
Red Lily Rd	Red Lily Rd	Willow Ln	Regional	P3	0.38
Red Lily Rd	Red Lily Rd	Warde Av	Regional	P3	0.11
Red Lily Rd	Red Lily Rd	Red Lily Rd	Regional	P3	0.01
Red Lily Rd	Red Lily Rd	Willow Ln	Regional	P3	0.41
Red Moon Rd	Tansi Ln	Burning Glass Rd	Regional	P3	0.18
Red Moon Rd	Tansi Ln	Burning Glass Rd	Regional	P3	0.18
Red Moon Rd	Red Moon Rd	Tansi Ln	Regional	P3	0.07
Red Moon Rd	Tansi Ln	Tansi Ln	Regional	P3	0.04
Red Moon Rd	Tansi Ln	Tansi Ln	Regional	P3	0.55
Red Moon Rd	Tansi Ln	Tansi Ln	Regional	P3	0.04
Red Willow Cr	Copperstone Cr	Royal Mint Dr	Regional	P3	0.28
Red Willow Cr	Blue Mountain Rd	Copperstone Cr	Regional	P3	0.29
Redpoll Pl	Robert Bockstael Dr	End	Regional	P3	0.21
Redview Dr	Normand Park Dr	Waterview Cv	Regional	P3	0.16
Redview Dr	Waterview Cv	St Marys Rd	Regional	P3	0.69
Redview Dr	Redview Dr	Redview Dr	Regional	P3	0.19
Redview Dr	Portside Dr	Portside Dr	Regional	P3	0.17
Redview Dr	Portside Dr	Portside Dr	Regional	P3	0.12
Reese Cv	Easy St	End	Regional	P3	0.09
Robert Bockstael Dr	Sage Creek Bv	End	Regional	P3	0.03
Rockcliffe Rd	Beaverhill Bv	Shoreview By	Regional	P3	0.74
Roehampton Pl	Ravensden Dr	End	Regional	P3	0.26
Royal Mint Dr	Royal Mint Dr	Royal Mint Dr	Regional	P3	0.40
Royal Mint Dr	Royal Mint Dr	Royal Mint Dr	Regional	P3	0.31
Royal Park Cr	Royal Mint Dr	End	Regional	P3	0.08
Royal Park Cr	Royal Mint Dr	Royal Mint Dr	Regional	P3	0.92
Royal Salinger Rd	Clarendon Rd	Niakwa Rd	Regional	P3	0.91
Royal Salinger Rd	Clarendon Rd	Pebble Beach Rd	Regional	P3	0.38
Sabourin Pl	Nordstrom Dr	Gwynne Rd	Regional	P3	0.14
Sabourin Pl	Nordstrom Dr	Nordstrom Dr	Regional	P3	0.17
Sabourin Pl	Gwynne Rd	End	Regional	P3	0.19

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Sadler Av	St Annes Rd	End	Regional	P3	0.54
Scammel Rd	Battersea Cl	Stanhope Gdn	Regional	P3	0.21
Scammel Rd	Paddington Rd	Battersea Cl	Regional	P3	0.24
Scammel Rd	Aldgate Rd	Islington Ct	Regional	P3	0.71
Scammel Rd	Stanhope Gdn	Islington Ct	Regional	P3	0.20
Scholberg Ln	Gwynne Rd	End	Regional	P3	0.02
Scholberg Ln	Nordstrom Dr	Gwynne Rd	Regional	P3	0.31
Seabrook Cv	Beaverhill Bv	End	Regional	P3	0.31
Serino Pl	Queensway Cr	End	Regional	P3	0.18
Shamrock Dr	Newcombe Cr	Newcroft Rd	Regional	P3	0.46
Shamrock Dr	Shamrock Dr	Shamrock Dr	Regional	P3	0.27
Shoreview By	Beaverhill Bv	Orchard Ln	Regional	P3	0.19
Shoreview By	Orchard Ln	Rockcliffe Rd	Regional	P3	0.62
Shoreview By	Orchard Ln	Rockcliffe Rd	Regional	P3	0.15
Shoreview By	Beaverhill Bv	Orchard Ln	Regional	P3	0.19
Sidebottom Dr	Elsy Rd	Stellarton Cr	Regional	P3	0.25
Sidebottom Dr	Stellarton Cr	Stellarton Cr	Regional	P3	0.17
Sidebottom Dr	Stellarton Cr	Buckley Trow By	Regional	P3	0.18
Sidebottom Dr	Buckley Trow By	Paddington Rd	Regional	P3	0.13
Sidebottom Dr	Buckley Trow By	Buckley Trow By	Regional	P3	0.18
Silver Sage Cr	Edward Turner Dr	Edward Turner Dr	Regional	P3	0.90
Sloane Cr	Aldgate Rd	Hallfield By	Regional	P3	0.39
Smugglers Cv	Cassin Cr	Peres Oblats Dr	Regional	P3	0.47
Smugglers Cv	Peres Oblats Dr	End	Regional	P3	0.23
Soltice Ln	Blue Sun Dr	Sage Creek Bv	Regional	P3	0.31
Southbridge Dr	Bellington Pl	Loneoak Pl	Regional	P3	0.10
Southbridge Dr	Willowlake Cr	Bellington Pl	Regional	P3	0.10
Southbridge Dr	Willowlake Cr	Bellington Pl	Regional	P3	0.10
Southbridge Dr	Willowlake Cr	Dogwood Cv	Regional	P3	0.24
Southbridge Dr	Willowlake Cr	Bellington Pl	Regional	P3	0.73
Southbridge Dr	Bellington Pl	Loneoak Pl	Regional	P3	0.10
Southbridge Dr	Dogwood Cv	Loneoak Pl	Regional	P3	0.37

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Southbridge Dr	Bellington Pl	Loneoak Pl	Regional	P3	0.79
Southfields Dr	Burland Av	Packard Pl	Regional	P3	0.45
Southfields Dr	Highbury Rd	Packard Pl	Regional	P3	0.26
Southmoor Rd	Pebble Beach Rd	Pebble Beach Rd	Regional	P3	1.56
St Hilaire Pl	Beaverhill Bv	End	Regional	P3	0.33
Stanhope Gdn	Scammel Rd	End	Regional	P3	0.26
Stellarton Cr	Sidebottom Dr	Sidebottom Dr	Regional	P3	0.52
Stillwater Rd	Dorsay Pl	Osprey Pl	Regional	P3	0.17
Stillwater Rd	Gadwall Pl	Willowlake Cr	Regional	P3	0.18
Stillwater Rd	Brookhaven By	Osprey Pl	Regional	P3	0.15
Stillwater Rd	Dorsay Pl	Gadwall Pl	Regional	P3	0.17
Sundog Dr	Sage Creek Bv	Coneflower Cr	Regional	P3	0.41
Surfside Cr	Desjardins Dr	De La Seigneurie Bv	Regional	P3	0.94
Surfside Cr	Surfside Cr	Surfside Cr	Regional	P3	0.17
Sweetwater By	Ashwood Cv	Edgewater Dr	Regional	P3	0.18
Sweetwater By	Ashwood Cv	Edgewater Dr	Regional	P3	0.97
Tahoe By	Lakewood Bv	Lakewood Bv	Regional	P3	0.73
Tallgrass Cr	Hazelnut Ln	Hazelnut Ln	Regional	P3	0.60
Tallgrass Cr	Ironweed Rd	Hazelnut Ln	Regional	P3	0.17
Tallgrass Cr	Hazelnut Ln	Ironweed Rd	Regional	P3	0.17
Tallgrass Cr	Ironweed Rd	Ironweed Rd	Regional	P3	0.61
Tamarac By	Lakewood Bv	Lakewood Bv	Regional	P3	0.93
Tansi Ln	Red Moon Rd	Red Moon Rd	Regional	P3	0.23
Tansi Ln	Red Moon Rd	Red Moon Rd	Regional	P3	0.16
Temporary Lane Crossing	Moonbeam Wy	Dragonfly Cr	Regional	P3	0.18
Temporary Lane Crossing	Moonbeam Wy	Dragonfly Cr	Regional	P3	0.18
Theydon Pl	John Forsyth Rd	End	Regional	P3	0.30
Tickenham Cl	Wainwright Cr	Wainwright Cr	Regional	P3	0.70
Tickenham Cl	Aldgate Rd	Wainwright Cr	Regional	P3	0.19
Tidal Cv	Island Shore Bv	Island Shore Bv	Regional	P3	0.54
Tidal Cv	Breakwater Cv	Island Shore Bv	Regional	P3	0.11
Tidal Cv	Breakwater Cv	Island Cv	Regional	P3	0.18

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Tidal Cv	Island Shore Bv	Island Shore Bv	Regional	P3	0.21
Tidewater By	Gauvreau Rd	Lighthouse Pt	Regional	P3	0.49
Tilstone By	Orford Cr	End	Regional	P3	0.08
Tilstone By	Aldgate Rd	Orford Cr	Regional	P3	0.24
Tiverton By	Highbury Rd	Highbury Rd	Regional	P3	0.51
Treasure Cv	Pauline Boutal Cr	End	Regional	P3	0.24
Tretheway Cs	John Forsyth Rd	End	Regional	P3	0.19
Trowbridge By	Bruton Pl	Knotsberry By	Regional	P3	0.33
Trowbridge By	Bruton Pl	Malmsbury Av	Regional	P3	0.47
Upavon Rd	Aldgate Rd	Hallfield By	Regional	P3	0.60
Uppingham Pl	Ravensden Dr	End	Regional	P3	0.28
Vadeboncoeur Dr	Aldgate Rd	Paddington Rd	Regional	P3	1.10
Vale Pl	Manring Cv	End	Regional	P3	0.19
Van Hull Wy	Portside Dr	Van Hull Wy	Regional	P3	0.38
Van Hull Wy	Van Hull Wy	Portside Dr	Regional	P3	0.28
Vermette Pl	Gobert Cr	Gobert Cr	Regional	P3	0.13
Vermillion Rd	Beaverhill Bv	Grover Hills Ln	Regional	P3	0.50
Vielliers Pl	Gobert Cr	End	Regional	P3	0.07
Vireo Ln	Wild Iris Wk	Edward Turner Dr	Regional	P3	0.41
Wainwright Cr	Aldgate Rd	Cotswold Pl	Regional	P3	0.34
Wainwright Cr	Guernsey Ln	Cotswold Pl	Regional	P3	0.41
Wainwright Cr	Guernsey Ln	Guernsey Ln	Regional	P3	0.18
Wainwright Cr	Tickenham Cl	Guernsey Ln	Regional	P3	0.18
Water Lily Ln	Prairie Smoke Dr	Edward Turner Dr	Regional	P3	0.40
Watercress Rd	Cormorant By	Edgewater Dr	Regional	P3	0.46
Waterside Cv	Island Shore Bv	End	Regional	P3	0.15
Waterview Cv	Redview Dr	End	Regional	P3	0.09
Wayfarers Haven Af	Island Lakes Dr	Island Lakes Dr	Regional	P3	0.86
Weatherstone Pl	Lakewood Bv	Lakewood Bv	Regional	P3	1.27
Westbourne Cr	Manby Av	Burland Av	Regional	P3	0.18
Westbourne Cr	Paddington Rd	Kinsbourne Green Af	Regional	P3	0.19
Westbourne Cr	Kinsbourne Green Af	Manby Av	Regional	P3	0.37

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Westham Pl	Burland Av	End	Regional	P3	0.22
Wild Iris Wk	Edward Turner Dr	Vireo Ln	Regional	P3	0.19
Wild Iris Wk	Vireo Ln	Prairie Smoke Dr	Regional	P3	0.53
Wildflower Wy	Heartleaf Ln	Heartleaf Ln	Regional	P3	0.79
Wildflower Wy	Heartleaf Ln	Heartleaf Ln	Regional	P3	0.02
Wilford Cs	Ashworth St S	End	Regional	P3	0.33
Willesden Cr	Gobert Cr	Aldgate Rd	Regional	P3	0.19
Willow Ln	Red Lily Rd	Red Lily Rd	Regional	P3	0.38
Willow Point Rd	Pebble Beach Rd	Gleneagles Rd	Regional	P3	0.34
Willow Point Rd	Gleneagles Rd	Willowlake Cr	Regional	P3	0.78
Windlass By	Waterfront Rd	End	Regional	P3	0.19
Wingham Av	Clayton Dr	St Annes Rd	Regional	P3	0.33
Winterhaven Dr	John Forsyth Rd	Beckwith Ln	Regional	P3	0.51
Winterhaven Dr	Beckwith Ln	John Forsyth Rd	Regional	P3	0.46
Wood Sage Cr	Wood Sage Cr	Wood Sage Cr	Regional	P3	0.34
Wood Sage Cr	Wood Sage Cr	Wood Sage Cr	Regional	P3	0.85
Wood Sage Cr	Wood Sage Cr	Des Hivernants Bv	Regional	P3	0.11
Wood Sage Cr	Wood Sage Cr	Des Hivernants Bv	Regional	P3	0.11
Wood Sage Cr	Wood Sage Cr	Des Hivernants Bv	Regional	P3	0.11
Wood Sage Cr	Wood Sage Cr	Wood Sage Cr	Regional	P3	0.02
Wood Sage Cr	Wood Sage Cr	Des Hivernants Bv	Regional	P3	0.11
Worthington Av	Marlene St	St Annes Rd	Regional	P3	0.59
Worthington Av	Marlene St	End	Regional	P3	0.07
Wycombe Pl	Aldgate Rd	End	Regional	P3	0.19
Yachts Cv	Marine Dr	Marine Dr	Regional	P3	0.22
Zylema Cv	Aldgate Rd	End	Regional	P3	0.26
TOTAL					209.42

APPENDIX C – ENVIRONMENT CANADA WEATHER DATA

YEAR	TOTAL ANNUAL SNOWFALL [CENTIMETER]
1974-1975	125.2
1975-1976	136.2
1976-1977	64.4
1977-1978	73.1
1978-1979	148.6
1979-1980	108
1980-1981	72.5
1981-1982	77.2
1982-1983	77.4
1983-1984	56.3
1984-1985	93.2
1985-1986	124.2
1986-1987	120.2
1987-1988	65.4
1988-1989	153.6
1989-1990	96.4
1990-1991	120.5
1991-1992	133
1992-1993	111.6
1993-1994	82
1994-1995	88.6
1995-1996	202.5
1996-1997	211.4
1997-1998	104.1
1998-1999	144.7
1999-2000	71.4
2000-2001	109.7
2001-2002	105.4
2002-2003	90.9
2003-2004	149.8
2004-2005	136.6
2005-2006	151.2
2006-2007	135.6
2007-2008	111.9
2008-2009	129.2
2009-2010	81.6
2010-2011	149.1
2011-2012	72.6
2012-2013	151
2013-2014	177