



THE CITY OF WINNIPEG

BID OPPORTUNITY

BID OPPORTUNITY NO. 406-2018

**SNOW CLEARING ON REGIONAL AND LOCAL STREETS, AND BACK LANES
WITHIN THE NORTH AREA (NORTH)**

Note to Bidders: Please be aware of revisions to B13.4

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 SNOW CLEARING ON REGIONAL AND LOCAL STREETS, AND BACK LANES WITHIN THE NORTH AREA (NORTH)

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, July 5, 2018.

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 six (6) Business Days prior to the Submission Deadline.
- B6.4 The Bidder shall ensure that any and all requests for approval of a substitute:
- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the Plant, Material or method as either an approved equal or alternative;
 - (b) identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
 - (c) identify any anticipated cost or time savings that may be associated with the substitute;
 - (d) certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance;
 - (e) certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance.
- B6.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his/her sole discretion grant approval for the use of a substitute as an "approved equal" or as an "approved alternative", or may refuse to grant approval of the substitute.
- B6.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, to the Bidder who requested approval of the substitute.

- B6.6.1 The Contract Administrator will issue an Addendum, disclosing the approved materials, equipment, methods and products to all potential Bidders. The Bidder requesting and obtaining the approval of a substitute shall be responsible for disseminating information regarding the approval to any person or persons he/she wishes to inform.
- B6.7 If the Contract Administrator approves a substitute as an “approved equal”, any Bidder may use the approved equal in place of the specified item.
- B6.8 If the Contract Administrator approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative may base his/her Total Bid Price upon the specified item but may also indicate an alternative price based upon the approved alternative. Such alternatives will be evaluated in accordance with B16.
- B6.9 No later claim by the Contractor for an addition to the Total Bid Price because of any other changes in the Work necessitated by the use of an approved equal or an approved alternative will be considered.
- B6.10 Notwithstanding B6.2 to B6.9, and in accordance with B7.8, deviations inconsistent with the Bid Opportunity document shall be evaluated in accordance with B15.1(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.
- B7.4 The Bid may be submitted by mail, courier or personal delivery, or by facsimile transmission.
- B7.5 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
- B7.5.1 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.
- B7.6 If the Bid is submitted by facsimile transmission, it shall be submitted to 204-949-1178.
- B7.6.1 The Bidder is advised that the City cannot take responsibility for the availability of the facsimile machine at any time.
- B7.7 Bidders are advised not to include any information/literature except as requested in accordance with B7.1.
- B7.8 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 B16.1(a)
- 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 11 of Form A: Bid shall be signed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his/her own name, it shall be signed by the Bidder;
 - (b) if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
 - (c) if the Bidder is a corporation, it shall be signed by its duly authorized officer or officers;
 - (d) if the Bidder is carrying on business under a name other than his/her own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.
- B8.4.1 The name and official capacity of all individuals signing Form A: Bid should be printed below such signatures.
- B8.4.2 All signatures shall be original.
- B8.5 If a Bid is submitted jointly by two or more persons, the word "Bidder" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Bidders in the Bid and the Contract, when awarded, shall be both joint and several.

B9. PRICES

- B9.1 The Bidder shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.
- B9.2 The quantities listed on Form B: Prices are to be considered approximate only. The City will use said quantities for the purpose of comparing Bids.
- B9.3 The quantities for which payment will be made to the Contractor are to be determined by the Work actually performed and completed by the Contractor, to be measured as specified in the applicable Specifications.
- B9.4 Payments to Non-Resident Contractors are subject to Non-Resident Withholding Tax pursuant to the Income Tax Act (Canada).

B10. DISCLOSURE

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

B10.2 The Persons are:

- (a) N/A

B11. CONFLICT OF INTEREST AND GOOD FAITH

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

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

- (a) other commitments;
- (b) relationships;
- (c) financial interests; or
- (d) involvement in ongoing litigation;

that could or would be seen to:

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

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

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

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

- B11.5 Without limiting B11.3, and in addition to all contractual or other rights or rights at law or in equity or legislation that may be available to the City, the City may, in its sole discretion:
- (a) disqualify a Bidder that fails to disclose a perceived, potential or actual Conflict of Interest of the Bidder or any of its employees proposed for the Work;
 - (b) require the removal or replacement of any employees proposed for the Work that has a perceived, actual or potential Conflict of Interest that the City, in its sole discretion, determines cannot be avoided or mitigated;
 - (c) disqualify a Bidder or employees proposed for the Work that fails to comply with any requirements prescribed by the City pursuant to B11.4 to avoid or mitigate a Conflict of Interest; and
 - (d) disqualify a Bidder if the Bidder, or one of its employees proposed for the Work, has a perceived, potential or actual Conflict of Interest that, in the City's sole discretion, cannot be avoided or mitigated, or otherwise resolved.
- B11.6 The final determination of whether a perceived, potential or actual Conflict of Interest exists shall be made by the City, in its sole discretion.

B12. QUALIFICATION

- B12.1 The Bidder shall:
- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, 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.
- B12.2 The Bidder and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/debar.stm>
- B12.3 The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) have successfully carried out work similar in nature, scope and value to the Work; and
 - (b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract;
 - (c) have a written workplace safety and health program, if required, pursuant to The Workplace Safety and Health Act (Manitoba);
 - (d) have performed snow clearing services under contract that utilize similar equipment complement as stated in E4.1.
- B12.4 Further to B12.3(c), the Bidder shall, within five (5) Business Days of a request by the Contract Administrator, provide proof satisfactory to the Contract Administrator that the Bidder/Subcontractor has a workplace safety and health program meeting the requirements of The Workplace Safety and Health Act (Manitoba), by providing:
- (a) Written confirmation of a safety and health certification meeting SAFE Work Manitoba's SAFE Work Certified Standard (e.g., COR™ and SECOR™) or

- (i) a copy of their valid Manitoba COR certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Certificate of Recognition (COR) Program administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ Program; or
 - (ii) a copy of their valid Manitoba SECOR™ certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Small Employer Certificate of Recognition Program (SECOR™) administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ Program or
- (b) a report or letter to that effect from an independent reviewer acceptable to the City. (A list of acceptable reviewers and the review template are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/>).

B12.5 The Bidder shall submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.

B12.6 The Bidder shall provide, on the request of the Contract Administrator, full access to any of the Bidder's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

B13. OPENING OF BIDS AND RELEASE OF INFORMATION

B13.1 Bid Submissions will not be opened publicly.

B13.2 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/>

B13.3 After award of Contract, the name(s) of the successful Bidder(s), their address(es) 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/>

B13.4 The Bidder is advised that any information contained in any Bid may be released if required by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law or by City policy or procedures (which may include access by members of City Council).

B13.4.1 To the extent permitted, the City shall treat as confidential information, those aspects of a Bid Submission identified by the Bidder as such in accordance with and by reference to Part 2, Section 17 or Section 18 or Section 26 of The Freedom of Information and Protection of Privacy Act (Manitoba), as amended.

B14. IRREVOCABLE BID

B14.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Bid.

B14.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work for the time period specified in Paragraph 9 of Form A: Bid.

B15. WITHDRAWAL OF BIDS

- B15.1 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.
- B15.1.1 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.
- B15.1.2 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 11 of Form A: Bid, and only such person, has authority to give notice of withdrawal.
- B15.1.3 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 11 of Form A: Bid; and
 - (c) if the notice has been given by any one of the persons specified in B15.1.3(b), declare the Bid withdrawn.
- B15.2 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 B14.2 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.

B16. EVALUATION OF BIDS

- B16.1 Award of the Contract shall be based on the following bid evaluation criteria:
- (a) compliance by the Bidder with the requirements of the Bid Opportunity, or acceptable deviation therefrom (pass/fail);
 - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B12 (pass/fail);
 - (c) Total Bid Price;
 - (d) economic analysis of any approved alternative pursuant to B6;
- B16.2 Further to B16.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid 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.
- B16.3 Further to B16.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his/her Bid or in other information required to be submitted, that he/she is responsible and qualified.
- B16.4 Further to B16.1(c), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices.
- B16.4.1 Further to B16.1(a), in the event that a unit price is not provided on Form B: Prices, the City will determine the unit price by dividing the Amount (extended price) by the approximate quantity, for the purposes of evaluation and payment.
- B16.5 This Contract will be awarded as a whole.

B17. AWARD OF CONTRACT

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

- B17.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and the Bids are determined to be responsive.
- B17.2.1 Without limiting the generality of B17.2, the City will have no obligation to award a Contract where:
- (a) the prices exceed the available City funds for the Work;
 - (b) the prices are materially in excess of the prices received for similar work in the past;
 - (c) the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with its own forces;
 - (d) only one Bid is received; or
 - (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.
- B17.3 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 B16 .
- B17.3.1 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.
- B17.4 Notwithstanding C4.1, the City may issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.
- B17.5 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.

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, 2018 to April 15, 2022, 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 regional streets, bus route and collector streets, residential streets, and back lanes listed in Appendix A, Appendix B, Appendix C, shown on Drawing 1, and Drawing 2, 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 four (4) winter seasons from October 15, 2018 to April 15, 2022 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 and hauling on the Priority I (Regional) Streets System identified in Appendix A and Drawing 1;
- (b) full width snow clearing on the Priority II (Bus Routes and Collectors) Streets System identified in Appendix B and Drawing 1;
- (c) full width snow clearing on the Priority III (Residential) Street System identified in Appendix C and Drawing 1;
- (d) 2.7 metre width snow clearing on back lanes identified on Drawing 2;
- (e) opening and keeping streets and lanes open during a major snowfall and/or snow blizzard;
- (f) snow clearing using truck plows on the Priority I, Priority II and Priority III streets noted in Appendices A, B and C and identified on Drawing 1;
- (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, B and C, shown on Drawing 1, and the back lanes shown on Drawing 2, 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) curb lane truck plowing;
- (e) full width truck plowing;
- (f) widening for snow storage;

- (g) snow hauling;
- (h) clearing of drainage inlets in spring.

D3. DEFINITIONS

D3.1 When used in this Bid Opportunity:

- (a) "**User**" means a person, department or other administrative unit of the City authorized by the Contract Administrator to order Work under this Contract.
- (b) "**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.
- (c) "**Roadway**" means the paved portion of the street that is used exclusively for the passage of motorized vehicles.
- (d) "**Street**" means a highway over which the City of Winnipeg has jurisdiction.
- (e) "**Sidewalk**" means the paved portion of the street that is used exclusively for a passage of pedestrians.
- (f) "**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.
- (g) "**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.
- (h) "**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.
- (i) "**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.
- (j) "**Traffic lane**" means a 3.6 metre or greater width of pavement.
- (k) "**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.
- (l) "**Bare pavement**" means that the Contractor shall endeavour to completely clear the full pavement width of snow.
- (m) "**Face to face**" of curb on Priority I and 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.
- (n) "**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).

- (o) "**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.
- (p) "**Hauling away**" means the relocation of cleared snow volumes by use of trucks for purposes of transporting to a distant storage location.
- (q) "**Snow**" means all forms of frozen precipitation including ice associated with such snow.
- (r) "**Wing Back**" means the Contractor shall push back the windrow to create storage space for snow in future plowing operations.
- (s) "**Cross walk**" means any sidewalk at street intersections or at signed corridors.
- (t) "**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.
- (u) "**Clearing Operation**" In this Contract, means each such direction by the Contract Administrator for clearing and hauling services for snow removal and the performance thereof by the Contractor.

D4. CONTRACT ADMINISTRATOR

D4.1 The Contract Administrator is:

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

Telephone No. 204- 986-7087

Email Address: jeanlambert@winnipeg.ca

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.

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, unlicensed equipment liability (Contractor's equipment) non-owned automobile liability 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-way's during winter months" (i.e. insurance to cover snow removal and ice control of streets, roadways, back lanes/alleys, sidewalks, etc.). And confirmation that the operations include loading, unloading, hauling and dumping.
- 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, 2022, 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 B12.4, the Contractor/Subcontractor must, throughout the term of the Contract, have a Workplace Safety and Health Program meeting the requirements of The Workplace Safety and Health Act (Manitoba). At any time during the term of the Contract, the City may, at its sole discretion and acting reasonably, require updated proof of compliance, as set out in B12.4.

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 with respect to the Work; and
 - (e) pedestrian and other traffic on any public or private road is not unduly endangered by the performance of the Work.

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	North Area (North) Snow Clearing Priority Streets
2	North Area (North) Snow Clearing Back Lanes

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 specified in E2.1.7(i) or E2.1.7(ii) 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.

(i) At bus stops that accommodates a non-articulated bus the windrow shall be removed to a distance of twelve (12) meters upstream of the bus stop sign;

(ii) At bus stops that accommodates an articulated bus the windrow shall be removed to a distance of eighteen (18) meters upstream of the bus stop sign;

E2.1.8 Snow windrows at hydrants shall be removed one (1) 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 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 I (Regional) Streets shall receive the highest priority for snow clearing followed by Priority II (Bus Routes and Collectors) Streets and then Priority III (Residential) Streets. However, the Contact Administrator may direct otherwise and the Contractor shall conform to all such directives, either oral or written.
- E2.1.21 Back lane 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. The relocation work shall consist of moving the container behind area affected by snow clearing and then placing back to original position.

E2.2 PRIORITY I (REGIONAL) STREETS (See Appendix A)

E2.2.1 Snow clearing activities on Priority I 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 I streets may be required after:

- (a) a recent accumulation of 3 cm or more of snowfall;
- (b) poor street conditions caused by less than 3 cm of recent snow accumulation accompanied by snow drifting; and
- (c) a gradual accumulation of snowfall that results in poor street conditions.

E2.2.3 Priority I streets, shall be completed within a twenty-four (24) hour period for a clearing operation following the time of commencement designated by the Contract Administrator.

E2.2.4 Snow clearing on the Priority I street system shall normally be undertaken during the night shift (1900 hours to 0700 hours) unless otherwise directed.

E2.2.5 Priority I streets shall be cleared to bare pavement over the full pavement width and plowed to the sides as shown in Appendix A. The Contractor shall wing back snow windrows in order to create the required storage as directed by the Contract Administrator.

E2.2.6 The Contractor shall clear and haul away snow from the street and lane intersections, crosswalks, corridors, railroad crossings, private approaches and bus stops on those Priority I streets noted in Appendix A during the initial clearing operation. The snow must be hauled away immediately where there is insufficient site storage. The snow shall be removed to within 300 mm of the existing ground elevation. Where there is on-site storage within the street right-of-way, and the on-site storage will not cause interruptions to either vehicular or pedestrian traffic or create a safety hazard, the snow may be stored for up to seventy-two (72) hours from the time commencement designated by the Contract Administrator for a snow clearing operation on Priority I, II and III streets and up to thirty-six (36) hours for a snow clearing operation on Priority I and II streets and bus loops. Snow from bus stops on those Priority I streets listed for hauling away in Appendix A shall be hauled away immediately and hauling completed by 0700 hours on the day following the commencement.

E2.2.7 Payment for the full width snow clearing and hauling away of snow on Priority I 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 II (BUS ROUTES/COLLECTORS) STREETS (See Appendix B)

E2.3.1 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.

E2.3.2 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 that results in poor street conditions.

- E2.3.3 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.
- E2.3.4 When Priority II streets are plowed within the same snow clearing operation as Priority I streets, the Priority II streets shall be completed within thirty-six (36) hours following the commencement time for the snow clearing operation.
- E2.3.5 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.
- E2.3.6 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.
- E2.4 PRIORITY III (RESIDENTIAL) STREETS (See Appendix C)
- E2.4.1 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 that results in poor street conditions.
- E2.4.2 Residential streets shall normally be cleared after Priority I and II streets.
- E2.4.3 Priority III streets shall be completed within a thirty-six (36) hour period following the commencement time designated by the Contract Administrator.
- E2.4.4 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.
- E2.4.5 When Priority III streets are plowed within the same snow clearing operation as Priority I and Priority II streets, the Priority III streets shall be completed within seventy-two (72) hours following the commencement time for the snow clearing of the Priority I and II streets.
- E2.4.6 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.
- E2.4.7 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.
- E2.4.8 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.
- E2.4.9 Prior to October 15th 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 Ban. 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.

E2.4.10 The Contractor is responsible to ensure timeframes are adhered to when clearing operations have commenced as per the Residential Parking Ban.

E2.5 BACK LANES (see Drawing 2)

E2.5.1 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.

E2.5.2 Back lanes shall normally be cleared concurrently with Priority I and 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.

E2.5.3 Back lanes shall be completed within a forty-eight (48) hour period following the commencement time designated by the Contract Administrator.

E2.5.4 Back lanes shall be cleared to a width of 2.7m and maintained to a compacted snow surface as defined in D3.

E2.5.5 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.

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 - 21,000 lbs. (6803.9 kg – 9525.4 kg); 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 - 30,500 lbs. (9,525.4 kg – 13,834.6 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 150 H.P.;
 - (ii) Operating Weight 30,500 – 42,500 lbs. (13,834.6 kg – 19,277.7 kg); and
 - (iii) Bucket Size 2.7m (8'9") width.
- (e) **K4 Class Motor Graders:** Minimum 140 - 159 Flywheel Horsepower;
- (f) **K5 Class Motor Graders:** Minimum 160 – 179 Flywheel Horsepower;
- (g) **K6 Class Motor Graders:** Minimum 180 and over Flywheel Horsepower;
- (h) **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 E2 of the Specifications, the clearing of snow using truck plows shall be in accordance with the following:

- (a) Truck plowing on Priority I, 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 I (Regional) streets shall normally receive the highest priority for snow clearing followed by Priority II (Bus Routes and Collectors) streets and then Priority III (Residential) streets. However, there may be circumstances when Collectors and Bus Routes would be cleared before Regional streets. This shall only be done when so directed by the Contract Administrator;
- (c) Priority I, 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) 11 motor graders;
- (b) 14 loaders;
- (c) 8 truck plows;

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 blue 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 cellular communications with City staff involved in the inspection of contract snow clearing operations. Failure by the Contractor to provide cellular 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 email, text, and facsimile transmission (fax machine) and shall supply the email address, cellular number, and facsimile number to the Contract Administrator.

E7. EXTREME SNOWFALL AND BLIZZARD CONDITIONS

- E7.1 The Contractor shall provide snow clearing equipment to keep streets, and back lanes open during extreme snowfall events 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, and back lanes open during the snow storm shall not be part of the time limits established in E2.2, E2.3, E2.4, and E2.5.
- E7.3 During or after extreme snowfall and/or blizzards, the Contract Administrator may require that Regional and Collector streets, 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 B9 of the Bidding Procedures, the estimated quantities identified on Form B: Prices for the clearing and hauling of snow on the Priority I, II and III street systems, and back lanes are based on the following:
 - (a) **Item No. 1 - Priority I (Regional) Street System:** The approximate quantity is based on 211.73 lane km of street for one (1) clearing operation of 0-10 cm;

- (b) **Item No. 2 - Priority II (Bus Routes and Collector) Street System:** The approximate quantity is based on 72.92 lane km of street for three (3) clearing operations of 0-10 cm;
- (c) **Item No. 3 - Priority III (Residential) Street System:** The approximate quantity is based on 201.28 lane km of street for three (3) clearing operations of 0-10 cm;
- (d) **Item No. 4 – Back Lanes:** The approximate quantity is based on 55.53 linear km of back lanes for six (6) 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 I Streets, Appendix B - Priority II Streets, and Appendix C - Priority III Streets. Drawing 1 indicates the inventory of streets, and Drawing 2 indicates the inventory of back lanes. In the event that streets, or back lanes are either added or deleted, then the total length shall be adjusted correspondingly for the purpose of measurement and payment.

E8.3 Appendix D showing the annual accumulation of snow based on the meteorological summary of the Records kept by the City of Winnipeg for the last forty one (44) 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 I and 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 and back lane 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 and back lanes open during major snow storms and/or blizzards on the streets specified in this Contract.

E10.2 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.

E10.3 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.

E10.4 Payment will be made for back lane 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. 4 on Form B: Prices by the length in kilometres of back lanes cleared.

- E10.5 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.
- E10.6 Payment will be made for full width clearing and hauling operations on Priority I (Regional) Streets, Priority II (Collector) Streets, 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, 2, or 3, 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 $\text{Payment} = R \times L \times F$.
- E10.7 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.
- E10.8 The snow accumulation for purposes of payment for a gradual accumulation or combination of a recent and gradual 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 gradual accumulation will not include snow that has been melted by environmental affects, chemical action, or both as determined by the Contract Administrator.
- 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 Table 1 below and are further detailed in E10.10.1, E10.10.2, E10.10.3, E10.10.4, and E10.10.5.

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. $F = 1 + \left[0.90 \left(\frac{x - 10}{10} \right) \right]$
(3) Gradual	Starting after December 15th 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 after December 15 th 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 after December 15 th 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 x lane kilometres x 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 x lane kilometres x 1.387).

E10.10.3 For a clearing operation required as a result of a Gradual Accumulation, excluding salted or chemically cleared snow, 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 28th, 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 28th 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 x lane kilometres x 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, excluding Gradual Accumulation that was salted or chemically treated, measured starting after December 15th 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 20th of 5.0 cm with severe winds, and in the opinion of the Contract Administrator, there is a 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 20th. 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 \times lane kilometres \times 1.000).

Assume that in the above scenario the snowfall on January 20th 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 \times lane kilometres \times 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 after December 15th 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 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 20th 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 15th and the commencement of the Recent Accumulation on January 20th. 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 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 \times lane kilometres \times 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 snow clearing operations shall be included in the unit price per lane kilometre or kilometre respectively in Form B: Prices, Item no. 1, 2, and 3.

E10.13 Ice blades and wings specifically requested for Hourly work 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 2018 to 2019 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 31st, 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 28th, 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 Contractor 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 Regional Streets System portion of this Contract, the unit price shall include the cost of all necessary hauling for Priority I (Regional) Streets as specified in the Contract, identified in Appendix A with an asterisk.
- E10.14.7 The Contractor shall note that on the Priority I and 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.
- E10.14.8 It is the City of Winnipeg's intent to hold back five percent (5%) 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 1st of the previous year to October 1st of the current year. The first inflationary adjustment shall occur on October 1, 2019. The maximum annual adjustment shall not exceed ten percent (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 2018 charged to the Streets Maintenance Division by the City of Winnipeg Fleet Management Agency.
- E12.3 Price adjustments will be assessed on October 1st and on January 1st 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 1st the average price for the month of September will be used and for January 1st 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:
- $$\text{Price Adjustment} = (\text{Actual Price} - (1.03 \times \text{Base Price}))$$
- 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:
- $$\text{Price Adjustment} = ((0.97 \times \text{Base Price}) - \text{Actual Price})$$
- E12.4.3 Unit Price is as follows:
- $$\text{Unit Price Adjustment} = \text{Unit Price} - (\text{Price Adjustment} \times 0.17 \times \text{Unit Price}).$$

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 Contract Administrator 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 30th following the snow clearing season. Damages not rectified by June 30th 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 15th 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 I, II or III streets, sidewalks or back lanes in accordance with the time and quality requirements specified in E2, the Contractor shall be assessed a penalty.
- E14.1.1 For Priority I streets, the penalty shall be in the amount of \$3,000.00 or an amount equal to fifty percent (50%) 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 Priority II and Priority III streets, the penalty shall be in the amount of \$2,000.00 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.
- E14.1.3 For 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.
- E14.1.4 Streets 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 E2, 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 E2 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.

APPENDIX A – NORTH AREA (NORTH) PRIORITY I STREETS

STREET NAME	FROM STREET	TO STREET	SNOW ROUTE	PRIORITY	LANE KM
Aberdeen Av	Main St	Main St	Regional	P1	0.04
Aberdeen Av	McPhillips St	McPhillips St	Regional	P1	0.03
Aikins St	Inkster Bv	Inkster Bv	Regional	P1	0.04
Airlies St	Inkster Bv	Inkster Bv	Regional	P1	0.04
Alexander Av	McPhillips St	McPhillips St	Regional	P1	0.03
Alexander Av	McPhillips St	McPhillips St	Regional	P1	0.03
Alfred Av	Main St	Main St	Regional	P1	0.03
Alfred Av	McPhillips St	McPhillips St	Regional	P1	0.03
Anderson Av	Main St	Main St	Regional	P1	0.03
Andrews St	Inkster Bv	Inkster Bv	Regional	P1	0.04
Arlington Bridge	Dufferin Av	Logan Av	Regional	P1	0.65
Arlington Bridge	Dufferin Av	Logan Av	Regional	P1	0.71
* Arlington St	Manitoba Av	Pritchard Av	Regional	P1	0.36
* Arlington St	Dufferin Av	Stella Av	Regional	P1	0.48
* Arlington St	Boyd Av	College Av	Regional	P1	0.32
* Arlington St	Cathedral Av	Machray Av	Regional	P1	0.20
* Arlington St	Alfred Av	Burrows Av	Regional	P1	0.31
* Arlington St	College Av	Mountain Av	Regional	P1	0.46
* Arlington St	Magnus Av	Manitoba Av	Regional	P1	0.36
* Arlington St	Flora Av	Selkirk Av	Regional	P1	0.36
* Arlington St	Flora Av	Stella Av	Regional	P1	0.48
* Arlington St	Burrows Av	Burrows Av	Regional	P1	0.06
* Arlington St	Aberdeen Av	Alfred Av	Regional	P1	0.32
* Arlington St	Inkster Bv	Luxton Av W	Regional	P1	0.17
* Arlington St	Church Av	Mountain Av	Regional	P1	0.65
* Arlington St	Inkster Bv	Inkster Bv	Regional	P1	0.04
* Arlington St	Boyd Av	Redwood Av	Regional	P1	0.32

* Arlington St	Bannerman Av	Cathedral Av	Regional	P1	0.20
* Arlington St	Church Av	Machray Av	Regional	P1	0.24
* Arlington St	Atlantic Av	Bannerman Av	Regional	P1	0.18
* Arlington St	Atlantic Av	Polson Av	Regional	P1	0.16
* Arlington St	Pritchard Av	Selkirk Av	Regional	P1	0.36
* Arlington St	Luxton Av W	Polson Av	Regional	P1	0.09
* Arlington St	Redwood Av	Aberdeen Av	Regional	P1	0.41
* Arlington St	Burrows Av	Magnus Av	Regional	P1	0.27
Armstrong Av	Main St	Main St	Regional	P1	0.04
Atlantic Av	McPhillips St	McPhillips St	Regional	P1	0.03
Atlantic Av	Main St	Main St	Regional	P1	0.03
Atlantic Av	Main St	Main St	Regional	P1	0.03
Bannatyne Av	McPhillips St	McPhillips St	Regional	P1	0.03
Bannerman Av	McPhillips St	McPhillips St	Regional	P1	0.03
Bannerman Av	McPhillips St	McPhillips St	Regional	P1	0.03
Bannerman Av	Main St	Main St	Regional	P1	0.03
Beauty Av	McPhillips St	McPhillips St	Regional	P1	0.02
Belmont Av	Main St	Main St	Regional	P1	0.04
Boyd Av	McPhillips St	McPhillips St	Regional	P1	0.03
Burrin Av	Main St	Main St	Regional	P1	0.04
Burrows Av	McPhillips St	McPhillips St	Regional	P1	0.03
Burrows Av	McPhillips St	McPhillips St	Regional	P1	0.03
Canna Bv	McPhillips St	McPhillips St	Regional	P1	0.03
Canna Bv	McPhillips St	McPhillips St	Regional	P1	0.03
Carruthers Av	Main St	Main St	Regional	P1	0.03
Cathedral Av	Main St	Main St	Regional	P1	0.03
Cathedral Av	McPhillips St	McPhillips St	Regional	P1	0.03
Chamberlain Av	McPhillips St	McPhillips St	Regional	P1	0.03
Charles St	Inkster Bv	Inkster Bv	Regional	P1	0.04
Chief Peguis Tl	Main St	Main St	Regional	P1	0.03
Chief Peguis Tl	Main St	Main St	Regional	P1	0.04

Church Av	Main St	Main St	Regional	P1	0.03
Church Av	Main St	Main St	Regional	P1	0.03
Church Av	McPhillips St	McPhillips St	Regional	P1	0.03
College Av	McPhillips St	McPhillips St	Regional	P1	0.03
College Av	Main St	Main St	Regional	P1	0.03
Commonwealth Av	Main St	Main St	Regional	P1	0.03
Coulter Av	McPhillips St	McPhillips St	Regional	P1	0.03
Court Av	McPhillips St	McPhillips St	Regional	P1	0.03
Court Av	McPhillips St	McPhillips St	Regional	P1	0.03
Dafoe Bv	McPhillips St	McPhillips St	Regional	P1	0.03
Dafoe Bv	McPhillips St	McPhillips St	Regional	P1	0.03
Diplomat Dr	Leila Av	Leila Av	Regional	P1	0.03
* Dufferin Av	Dufferin Av	Salter St	Regional	P1	0.32
* Dufferin Av	Dufferin Av	Salter St	Regional	P1	0.32
* Dufferin Av	Powers St	Andrews St	Regional	P1	0.81
* Dufferin Av	Mcgregor St	Andrews St	Regional	P1	0.80
* Dufferin Av	Main St	Main St	Regional	P1	0.03
* Dufferin Av	Salter St	Salter St	Regional	P1	0.03
* Dufferin Av	Salter St	Salter St	Regional	P1	0.03
* Dufferin Av	Powers St	Salter St	Regional	P1	0.43
Elgin Av	McPhillips St	McPhillips St	Regional	P1	0.03
Emes Rd	McPhillips St	McPhillips St	Regional	P1	0.04
Enniskillen Av	Main St	Main St	Regional	P1	0.03
Euclid Av	Main St	Main St	Regional	P1	0.03
Flora Av	Main St	Main St	Regional	P1	0.03
Forrest Av	Main St	Main St	Regional	P1	0.04
Forrest Av	Main St	Main St	Regional	P1	0.04
Garden Park Dr	Leila Av	Leila Av	Regional	P1	0.03
Garden Park Dr	Leila Av	Leila Av	Regional	P1	0.03
Hartford Av	Aikins St	Main St	Regional	P1	0.43
Hartford Av	Main St	Main St	Regional	P1	0.04

Higgins Av	McPhillips St	McPhillips St	Regional	P1	0.02
Hillock Av	McPhillips St	McPhillips St	Regional	P1	0.02
Huron Av	McPhillips St	McPhillips St	Regional	P1	0.03
* Inkster Bv	Arlington St	Parr St	Regional	P1	0.40
* Inkster Bv	McGregor St	Andrews St	Regional	P1	0.40
* Inkster Bv	Wiginton St	Airlies St	Regional	P1	0.81
* Inkster Bv	Sinclair St	Arlington St	Regional	P1	0.40
* Inkster Bv	Arlington St	Sinclair St	Regional	P1	0.40
* Inkster Bv	Wiginton St	McPhillips St	Regional	P1	0.40
* Inkster Bv	McPhillips St	Wiginton St	Regional	P1	0.40
* Inkster Bv	Salter St	Powers St	Regional	P1	0.40
* Inkster Bv	Charles St	Aikins St	Regional	P1	0.40
* Inkster Bv	Aikins St	Salter St	Regional	P1	0.40
* Inkster Bv	Andrews St	McGregor St	Regional	P1	0.40
* Inkster Bv	Inkster Bv	Inkster Bv	Regional	P1	0.04
* Inkster Bv	Airlies St	Wiginton St	Regional	P1	0.81
* Inkster Bv	Andrews St	Powers St	Regional	P1	0.40
* Inkster Bv	Salter St	Aikins St	Regional	P1	0.40
* Inkster Bv	Main St	Main St	Regional	P1	0.03
* Inkster Bv	McPhillips St	McPhillips St	Regional	P1	0.03
* Inkster Bv	McGregor St	McKenzie St	Regional	P1	0.40
* Inkster Bv	Airlies St	Sinclair St	Regional	P1	0.80
* Inkster Bv	Main St	Charles St	Regional	P1	0.12
* Inkster Bv	Aikins St	Charles St	Regional	P1	0.40
* Inkster Bv	Parr St	Arlington St	Regional	P1	0.40
* Inkster Bv	McKenzie St	Parr St	Regional	P1	0.40
* Inkster Bv	Sinclair St	Airlies St	Regional	P1	0.80
* Inkster Bv	Charles St	Main St	Regional	P1	0.12
* Inkster Bv	Powers St	Andrews St	Regional	P1	0.40
* Inkster Bv	McPhillips St	McPhillips St	Regional	P1	0.03
* Inkster Bv	Parr St	McKenzie St	Regional	P1	0.40

* Inkster Bv	McKenzie St	McGregor St	Regional	P1	0.40
* Inkster Bv	Inkster Bv	Inkster Bv	Regional	P1	0.04
* Inkster Bv	Powers St	Salter St	Regional	P1	0.40
Isabel St	Slaw Rebchuk Bridge	Logan Av	Regional	P1	0.32
Isabel St	Logan Av	Slaw Rebchuk Bridge	Regional	P1	0.32
Isabel St	Isabel St	Logan Av	Regional	P1	0.11
Jack Donner Dr	Leila Av	Leila Av	Regional	P1	0.03
Jarvis Av	Main St	Main St	Regional	P1	0.03
Jarvis Av	McPhillips St	McPhillips St	Regional	P1	0.02
Jefferson Av	McPhillips St	McPhillips St	Regional	P1	0.04
Jefferson Av	McPhillips St	McPhillips St	Regional	P1	0.04
Jefferson Av	Main St	Main St	Regional	P1	0.04
Jefferson Av	Main St	Main St	Regional	P1	0.04
Kilbride Av	Main St	Main St	Regional	P1	0.04
Kingsbury Av	Main St	Main St	Regional	P1	0.04
Kingsbury Av	Main St	Main St	Regional	P1	0.04
Kingsbury Av	McPhillips St	McPhillips St	Regional	P1	0.03
Lansdowne Av	McPhillips St	McPhillips St	Regional	P1	0.03
Lansdowne Av	Main St	Main St	Regional	P1	0.03
* Leila Av	Diplomat Dr	Ambassador Rw	Regional	P1	0.40
* Leila Av	Weinberg Rd	Powers St	Regional	P1	0.23
* Leila Av	Salter St	Powers St	Regional	P1	0.22
* Leila Av	McPhillips St	Garden Park Dr	Regional	P1	0.06
* Leila Av	Monsey St	Diplomat Dr	Regional	P1	0.41
* Leila Av	McPhillips St	Garden Park Dr	Regional	P1	0.96
* Leila Av	McPhillips St	Garden Park Dr	Regional	P1	0.96
* Leila Av	McGregor St	Ambassador Rw	Regional	P1	0.39
* Leila Av	Andrews St	Weinberg Rd	Regional	P1	0.37
* Leila Av	Leila Av	Leila Av	Regional	P1	0.03
* Leila Av	Leila Av	Leila Av	Regional	P1	0.03
* Leila Av	Diplomat Dr	Monsey St	Regional	P1	0.40

* Leila Av	Diplomat Dr	Embassy Ln	Regional	P1	0.48
* Leila Av	McGregor St	McGregor St	Regional	P1	0.02
* Leila Av	Jack Donner Dr	Garden Park Dr	Regional	P1	0.42
* Leila Av	Sinclair St	Monsey St	Regional	P1	0.34
* Leila Av	Monsey St	Sinclair St	Regional	P1	0.34
* Leila Av	Garden Park Dr	Garden Park Dr	Regional	P1	0.02
* Leila Av	Jack Donner Dr	Sinclair St	Regional	P1	0.47
* Leila Av	Garden Park Dr	Garden Park Dr	Regional	P1	0.02
* Leila Av	McPhillips St	McPhillips St	Regional	P1	0.03
* Leila Av	Jack Donner Dr	Sinclair St	Regional	P1	0.47
* Leila Av	Andrews St	McGregor St	Regional	P1	0.59
* Leila Av	Aikins St	Salter St	Regional	P1	0.99
* Leila Av	Main St	Main St	Regional	P1	0.04
* Leila Av	McPhillips St	McPhillips St	Regional	P1	0.03
* Leila Av	Garden Park Dr	Jack Donner Dr	Regional	P1	0.43
* Leila Av	Aikins St	Main St	Regional	P1	0.63
Logan Av	Logan Av	Isabel St	Regional	P1	0.06
Luxton Av	Main St	Main St	Regional	P1	0.03
Machray Av	McPhillips St	McPhillips St	Regional	P1	0.03
Machray Av	Main St	Main St	Regional	P1	0.03
Magnus Av	McPhillips St	McPhillips St	Regional	P1	0.03
Magnus Av	Main St	Main St	Regional	P1	0.04
* Main St	Fernbank Av	Red River Bv	Regional	P1	0.32
* Main St	Sutherland Av	Higgins Av	Regional	P1	0.38
* Main St	Sutherland Av	Higgins Av	Regional	P1	0.33
* Main St	Higgins Av	Sutherland Av	Regional	P1	0.38
* Main St	Higgins Av	Sutherland Av	Regional	P1	0.33
* Main St	Flora Av	Stella Av	Regional	P1	0.56
* Main St	Jarvis Av	Dufferin Av	Regional	P1	0.44
* Main St	Luxton Av	Inkster Bv	Regional	P1	0.37
* Main St	Woodbine Av	Commonwealth Av	Regional	P1	0.15

* Main St	Kingsbury Av	Kingsbury Av	Regional	P1	0.10
* Main St	Forrest Av	Partridge Av	Regional	P1	0.15
* Main St	Euclid Av	Dufferin Av	Regional	P1	0.28
* Main St	Newton Av	Armstrong Av	Regional	P1	0.25
* Main St	Belmont Av	Kilbride Av	Regional	P1	0.24
* Main St	College Av	Mountain Av	Regional	P1	0.46
* Main St	Fernbank Av	Red River Bv	Regional	P1	1.07
* Main St	Murray Av	Chief Peguis Tl	Regional	P1	0.62
* Main St	Royal Av	Kingsbury Av	Regional	P1	0.13
* Main St	Seaforth Av	Margaret Av	Regional	P1	0.85
* Main St	Main St	Main St	Regional	P1	0.04
* Main St	Main St	Main St	Regional	P1	0.06
* Main St	Polson Av	Polson Av	Regional	P1	0.15
* Main St	Chief Peguis Tl	Chief Peguis Tl	Regional	P1	0.04
* Main St	Inkster Bv	Lansdowne Av	Regional	P1	0.39
* Main St	Enniskillen Av	Seven Oaks Pl	Regional	P1	0.05
* Main St	John Black Av	Murray Av	Regional	P1	0.41
* Main St	Seven Oaks Pl	Seven Oaks Av	Regional	P1	0.31
* Main St	Ridgecrest Av	Park Manor Bv	Regional	P1	0.02
* Main St	Park Manor Bv	Le Peress Av	Regional	P1	0.19
* Main St	McAdam Av	Smithfield Av	Regional	P1	0.35
* Main St	Armstrong Av	McKay Dr	Regional	P1	0.32
* Main St	Sutherland Av	Jarvis Av	Regional	P1	0.48
* Main St	Jarvis Av	Sutherland Av	Regional	P1	0.48
* Main St	Main St	Redwood Av	Regional	P1	0.06
* Main St	Highland Av	Seaforth Av	Regional	P1	1.53
* Main St	Seaforth Av	Chief Peguis Tl	Regional	P1	1.58
* Main St	Main St	Main St	Regional	P1	0.03
* Main St	Chief Peguis Tl	Highland Av	Regional	P1	0.09
* Main St	Ridgecrest Av	Park Manor Bv	Regional	P1	0.35
* Main St	Aberdeen Av	Redwood Av	Regional	P1	0.47

* Main St	Murray Av	Ridgecrest Av	Regional	P1	0.31
* Main St	Machray Av	Church Av	Regional	P1	0.40
* Main St	Margaret Av	Templeton Av	Regional	P1	0.25
* Main St	Perth Av	Perth Av	Regional	P1	0.05
* Main St	Templeton Av	McKay Dr	Regional	P1	0.55
* Main St	Smithfield Av	McAdam Av	Regional	P1	0.40
* Main St	Main St	Main St	Regional	P1	0.09
* Main St	Benn Av	Drury Av	Regional	P1	1.68
* Main St	Kilbride Av	Belmont Av	Regional	P1	0.24
* Main St	Seven Oaks Av	Enniskillen Av	Regional	P1	0.36
* Main St	Semple Av	Burrin Av	Regional	P1	0.31
* Main St	Luxton Av	Polson Av	Regional	P1	0.18
* Main St	Polson Av	Atlantic Av	Regional	P1	0.17
* Main St	Atlantic Av	Bannerman Av	Regional	P1	0.23
* Main St	Main St	Chief Peguis Tl	Regional	P1	0.23
* Main St	Rupertsland Bv	Enniskillen Av	Regional	P1	0.21
* Main St	Commonwealth Av	Red River Bv W	Regional	P1	0.18
* Main St	Burrows Av	Burrows Av	Regional	P1	0.06
* Main St	Kingsbury Av	Burrin Av	Regional	P1	0.18
* Main St	Matheson Av E	Carruthers Av	Regional	P1	0.19
* Main St	Carruthers Av	Lansdowne Av	Regional	P1	0.24
* Main St	Lansdowne Av	Inkster Bv	Regional	P1	0.37
* Main St	Inkster Bv	Inkster Bv	Regional	P1	0.03
* Main St	Inkster Bv	Inkster Bv	Regional	P1	0.02
* Main St	Polson Av	Luxton Av	Regional	P1	0.18
* Main St	Leila Av	Partridge Av	Regional	P1	0.31
* Main St	Templeton Av	Margaret Av	Regional	P1	0.24
* Main St	Enniskillen Av	Rupertsland Bv	Regional	P1	0.21
* Main St	Mountain Av	St Johns Av	Regional	P1	0.40
* Main St	Flora Av	Selkirk Av	Regional	P1	0.27
* Main St	St Johns Av	St Johns Av	Regional	P1	0.11

* Main St	Bannerman Av	Cathedral Av	Regional	P1	0.41
* Main St	Inkster Bv	Luxton Av	Regional	P1	0.34
* Main St	Seven Oaks Av	Jefferson Av	Regional	P1	0.15
* Main St	Jefferson Av	Jefferson Av	Regional	P1	0.11
* Main St	Leila Av	Newton Av	Regional	P1	0.27
* Main St	Hartford Av	Belmont Av	Regional	P1	0.24
* Main St	Perth Av	Hartford Av	Regional	P1	0.25
* Main St	St Anthony Av	Perth Av	Regional	P1	0.21
* Main St	Alfred Av	Burrows Av	Regional	P1	0.33
* Main St	Magnus Av	Burrows Av	Regional	P1	0.29
* Main St	Main St	Main St	Regional	P1	0.04
* Main St	Alfred Av	Aberdeen Av	Regional	P1	0.32
* Main St	St Anthony Av	St Anthony Av	Regional	P1	0.09
* Main St	Manitoba Av	Manitoba Av	Regional	P1	0.09
* Main St	Selkirk Av	Pritchard Av	Regional	P1	0.28
* Main St	Red River Bv	Fernbank Av	Regional	P1	0.15
* Main St	Smithfield Av	Smithfield Av	Regional	P1	0.07
* Main St	Forrest Av	Royal Av	Regional	P1	0.13
* Main St	Burrows Av	Magnus Av	Regional	P1	0.28
* Main St	Partridge Av	Leila Av	Regional	P1	0.31
* Main St	Armstrong Av	Newton Av	Regional	P1	0.25
* Main St	Red River Bv	Red River Bv	Regional	P1	0.03
* Main St	Ridgecrest Av	Murray Av	Regional	P1	0.31
* Main St	McKay Dr	Armstrong Av	Regional	P1	0.33
* Main St	Park Manor Bv	Woodbine Av	Regional	P1	0.18
* Main St	Rupertsland Av	Smithfield Av	Regional	P1	0.25
* Main St	Lansdowne Av	Carruthers Av	Regional	P1	0.25
* Main St	Cathedral Av	Machray Av	Regional	P1	0.41
* Main St	Anderson Av	St Johns Av	Regional	P1	0.38
* Main St	Church Av	Anderson Av	Regional	P1	0.40
* Main St	Matheson Av E	Matheson Av E	Regional	P1	0.02

* Main St	Anderson Av	Church Av	Regional	P1	0.41
* Main St	St Johns Av	St Johns Av	Regional	P1	0.11
* Main St	Atlantic Av	Atlantic Av	Regional	P1	0.14
* Main St	Le Peress Av	Ridgecrest Av	Regional	P1	0.17
* Main St	Commonwealth Av	Woodbine Av	Regional	P1	0.15
* Main St	Rupertsland Bv	Rupertsland Av	Regional	P1	0.04
* Main St	Selkirk Av	Flora Av	Regional	P1	0.28
* Main St	Matheson Av E	McAdam Av	Regional	P1	0.38
* Main St	McAdam Av	Matheson Av E	Regional	P1	0.40
* Main St	Burrows Av	Burrows Av	Regional	P1	0.06
* Main St	Burrows Av	Alfred Av	Regional	P1	0.33
* Main St	Main St	Main St	Regional	P1	0.04
* Main St	Church Av	Machray Av	Regional	P1	0.40
* Main St	Dufferin Av	Euclid Av	Regional	P1	0.28
* Main St	Stella Av	Flora Av	Regional	P1	0.55
* Main St	Selkirk Av	Selkirk Av	Regional	P1	0.09
* Main St	Cathedral Av	Bannerman Av	Regional	P1	0.41
* Main St	Manitoba Av	Pritchard Av	Regional	P1	0.38
* Main St	St Anthony Av	Jefferson Av	Regional	P1	0.19
* Main St	Perth Av	St Anthony Av	Regional	P1	0.21
* Main St	Jefferson Av	Seven Oaks Av	Regional	P1	0.15
* Main St	Mountain Av	College Av	Regional	P1	0.46
* Main St	Jefferson Av	St Anthony Av	Regional	P1	0.19
* Main St	Hartford Av	Perth Av	Regional	P1	0.25
* Main St	Machray Av	Cathedral Av	Regional	P1	0.41
* Main St	Aberdeen Av	Alfred Av	Regional	P1	0.34
* Main St	Forrest Av	Forrest Av	Regional	P1	0.12
* Main St	Perth Av	Perth Av	Regional	P1	0.05
* Main St	Church Av	Church Av	Regional	P1	0.09
* Main St	St Anthony Av	St Anthony Av	Regional	P1	0.09
* Main St	Euclid Av	Stella Av	Regional	P1	0.24

* Main St	Benn Av	Fernbank Av	Regional	P1	1.06
* Main St	Pritchard Av	Selkirk Av	Regional	P1	0.38
* Main St	College Av	Boyd Av	Regional	P1	0.32
* Main St	Dufferin Av	Jarvis Av	Regional	P1	0.44
* Main St	Magnus Av	Manitoba Av	Regional	P1	0.37
* Main St	Partridge Av	Forrest Av	Regional	P1	0.15
* Main St	Burrin Av	Semple Av	Regional	P1	0.30
* Main St	Kingsbury Av	Kingsbury Av	Regional	P1	0.10
* Main St	Royal Av	Royal Av	Regional	P1	0.11
* Main St	Rupertsland Bv	Rupertsland Av	Regional	P1	0.08
* Main St	Chief Peguis Tl	Foley Av	Regional	P1	0.11
* Main St	Newton Av	Leila Av	Regional	P1	0.27
* Main St	Burrin Av	Kingsbury Av	Regional	P1	0.17
* Main St	St Johns Av	Mountain Av	Regional	P1	0.40
* Main St	Atlantic Av	Atlantic Av	Regional	P1	0.14
* Main St	Bannerman Av	Atlantic Av	Regional	P1	0.22
* Main St	Polson Av	Polson Av	Regional	P1	0.15
* Main St	Atlantic Av	Polson Av	Regional	P1	0.17
* Main St	Matheson Av E	Matheson Av E	Regional	P1	0.02
* Main St	Carruthers Av	Matheson Av E	Regional	P1	0.18
* Main St	Pritchard Av	Manitoba Av	Regional	P1	0.31
* Main St	Manitoba Av	Magnus Av	Regional	P1	0.33
* Main St	St Johns Av	Anderson Av	Regional	P1	0.37
* Main St	Rupertsland Bv	Rupertsland Av	Regional	P1	0.04
* Main St	Smithfield Av	Rupertsland Av	Regional	P1	0.25
* Main St	Boyd Av	Redwood Av	Regional	P1	0.32
* Main St	Stella Av	Euclid Av	Regional	P1	0.24
* Main St	Forrest Av	Forrest Av	Regional	P1	0.12
* Main St	Jefferson Av	Jefferson Av	Regional	P1	0.11
* Main St	Red River Bv	Red River Bv	Regional	P1	0.03
* Main St	Redwood Av	Aberdeen Av	Regional	P1	0.42

* Main St	Kilbride Av	Semple Av	Regional	P1	0.27
* Main St	Semple Av	Kilbride Av	Regional	P1	0.27
* Main St	Royal Av	Royal Av	Regional	P1	0.11
* Main St	Royal Av	Forrest Av	Regional	P1	0.13
* Main St	McKay Dr	Templeton Av	Regional	P1	0.55
* Main St	Kingsbury Av	Royal Av	Regional	P1	0.13
* Main St	Murray Av	Ridgecrest Av	Regional	P1	0.04
* Main St	Redwood Av	College Av	Regional	P1	0.62
* Main St	Margaret Av	Seaforth Av	Regional	P1	0.84
* Main St	Foley Av	John Black Av	Regional	P1	0.09
* Main St	Red River Bv W	Commonwealth Av	Regional	P1	0.42
* Main St	Commonwealth Av	Red River Bv W	Regional	P1	0.42
* Main St	Red River Bv	Main St	Regional	P1	0.31
* Main St	Woodbine Av	Park Manor Bv	Regional	P1	0.18
* Main St	Church Av	Church Av	Regional	P1	0.09
* Main St	Belmont Av	Hartford Av	Regional	P1	0.25
* Main St Loop	Margaret Av	Main St	Regional	P1	0.10
Manitoba Av	Main St	Main St	Regional	P1	0.03
Manitoba Av	McPhillips St	McPhillips St	Regional	P1	0.03
Mapleglen Dr	McPhillips St	McPhillips St	Regional	P1	0.03
Mapleglen Dr	McPhillips St	McPhillips St	Regional	P1	0.03
Margaret Av	Main St	Main St	Regional	P1	0.04
Matheson Av E	Main St	Main St	Regional	P1	0.03
McAdam Av	Main St	Main St	Regional	P1	0.03
McDermot Av	McPhillips St	McPhillips St	Regional	P1	0.03
McDermot Av	McPhillips St	McPhillips St	Regional	P1	0.03
* McGregor St	Boyd Av	Redwood Av	Regional	P1	0.32
* McGregor St	College Av	Mountain Av	Regional	P1	0.46
* McGregor St	Manitoba Av	Pritchard Av	Regional	P1	0.36
* McGregor St	Burrin Av	Kingsbury Av	Regional	P1	0.24
* McGregor St	Partridge Av	Leila Av	Regional	P1	0.13

* McGregor St	Atlantic Av	Polson Av	Regional	P1	0.32
* McGregor St	Mountain Av	St Johns Av	Regional	P1	0.40
* McGregor St	Aberdeen Av	Redwood Av	Regional	P1	0.41
* McGregor St	Partridge Av	Royal Cr	Regional	P1	0.28
* McGregor St	McGregor St	Partridge Av	Regional	P1	0.25
* McGregor St	Jefferson Av	St Anthony Av	Regional	P1	0.39
* McGregor St	Hartford Av	Perth Av	Regional	P1	0.39
* McGregor St	Leila Av	Miravista Dr	Regional	P1	0.66
* McGregor St	Miravista Dr	Harry Lehotsky Cv	Regional	P1	0.12
* McGregor St	Harry Lehotsky Cv	Templeton Av	Regional	P1	0.17
* McGregor St	Burrin Av	Semple Av	Regional	P1	0.40
* McGregor St	Perth Av	St Anthony Av	Regional	P1	0.39
* McGregor St	End	McGregor St	Regional	P1	0.13
* McGregor St	Hartford Av	Belmont Av	Regional	P1	0.33
* McGregor St	Belmont Av	Kilbride Av	Regional	P1	0.32
* McGregor St	Atlantic Av	Bannerman Av	Regional	P1	0.37
* McGregor St	Leila Av	Partridge Av	Regional	P1	0.12
* McGregor St	McGregor St	Partridge Av	Regional	P1	0.05
* McGregor St	Flora Av	Stella Av	Regional	P1	0.48
* McGregor St	Matheson Av	McAdam Av	Regional	P1	0.40
* McGregor St	Polson Av	Inkster Bv	Regional	P1	0.51
* McGregor St	Forrest Av	Royal Av	Regional	P1	0.38
* McGregor St	Leila Av	McGregor St	Regional	P1	0.33
* McGregor St	Kilbride Av	Semple Av	Regional	P1	0.36
* McGregor St	Flora Av	Selkirk Av	Regional	P1	0.35
* McGregor St	McAdam Av	Smithfield Av	Regional	P1	0.40
* McGregor St	Royal Cr	Kingsbury Av	Regional	P1	0.21
* McGregor St	Dufferin Av	Stella Av	Regional	P1	0.48
* McGregor St	Bannerman Av	Cathedral Av	Regional	P1	0.41
* McGregor St	Boyd Av	College Av	Regional	P1	0.32
* McGregor St	Aberdeen Av	Alfred Av	Regional	P1	0.32

* McGregor St	Burrows Av	Burrows Av	Regional	P1	0.05
* McGregor St	Enniskillen Av	Seven Oaks Av	Regional	P1	0.34
* McGregor St	Jefferson Av	Seven Oaks Av	Regional	P1	0.34
* McGregor St	Rupertsland Av	Smithfield Av	Regional	P1	0.39
* McGregor St	Pritchard Av	Selkirk Av	Regional	P1	0.36
* McGregor St	Enniskillen Av	Rupertsland Av	Regional	P1	0.39
* McGregor St	Carruthers Av	Matheson Av	Regional	P1	0.21
* McGregor St	Carruthers Av	Lansdowne Av	Regional	P1	0.22
* McGregor St	Church Av	Machray Av	Regional	P1	0.48
* McGregor St	Anderson Av	Church Av	Regional	P1	0.40
* McGregor St	Alfred Av	Burrows Av	Regional	P1	0.31
* McGregor St	Inkster Bv	Lansdowne Av	Regional	P1	0.36
* McGregor St	Cathedral Av	Machray Av	Regional	P1	0.40
* McGregor St	Inkster Bv	Inkster Bv	Regional	P1	0.08
* McGregor St	Burrows Av	Magnus Av	Regional	P1	0.27
* McGregor St	Magnus Av	Manitoba Av	Regional	P1	0.36
* McGregor St	St Johns Av	Anderson Av	Regional	P1	0.48
McKay Dr	Main St	Main St	Regional	P1	0.04
McKenzie St	Inkster Bv	Inkster Bv	Regional	P1	0.04
* McPhillips St	Logan Av	Logan Av	Regional	P1	0.27
* McPhillips St	Hillock Av	Logan Av	Regional	P1	0.28
* McPhillips St	Logan Av	Hillock Av	Regional	P1	0.28
* McPhillips St	Logan Av	Alexander Av	Regional	P1	0.27
* McPhillips St	Alexander Av	Logan Av	Regional	P1	0.27
* McPhillips St	Logan Av	Logan Av	Regional	P1	0.27
* McPhillips St	Aberdeen Av	Alfred Av	Regional	P1	0.26
* McPhillips St	North Point Bv	North Point Bv	Regional	P1	1.66
* McPhillips St	Murray Av	North Point Bv	Regional	P1	1.66
* McPhillips St	North Point Bv	Storie Rd	Regional	P1	1.66
* McPhillips St	Bannerman Av	Huron Av	Regional	P1	0.16
* McPhillips St	North Point Bv	North Point Bv	Regional	P1	2.48

* McPhillips St	Atlas Cr	Lyra Gt	Regional	P1	0.11
* McPhillips St	Higgins Av	Jarvis Av	Regional	P1	0.26
* McPhillips St	Higgins Av	Jarvis Av	Regional	P1	0.52
* McPhillips St	Jarvis Av	Higgins Av	Regional	P1	0.26
* McPhillips St	Jarvis Av	Higgins Av	Regional	P1	0.53
* McPhillips St	North Point Bv	Murray Av	Regional	P1	2.48
* McPhillips St	Storie Rd	North Point Bv	Regional	P1	2.48
* McPhillips St	Mapleglen Dr	Mapleglen Dr	Regional	P1	0.03
* McPhillips St	Leila Av	Leila Av	Regional	P1	0.04
* McPhillips St	Magnus Av	Manitoba Av	Regional	P1	0.26
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.02
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.03
* McPhillips St	Bannatyne Av	Coulter Av	Regional	P1	0.22
* McPhillips St	Manitoba Av	Pritchard Av	Regional	P1	0.32
* McPhillips St	Jarvis Av	Selkirk Av	Regional	P1	0.98
* McPhillips St	Ross Av	Elgin Av	Regional	P1	0.31
* McPhillips St	Henry Av	Higgins Av	Regional	P1	0.14
* McPhillips St	Chamberlain Av	Troy Av	Regional	P1	0.56
* McPhillips St	Mapleglen Dr	Lansdowne Av	Regional	P1	0.63
* McPhillips St	McDermont Av	McDermont Av	Regional	P1	0.16
* McPhillips St	Dafoe Bv	Dafoe Bv	Regional	P1	0.05
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.02
* McPhillips St	Winnipeg Av	Notre Dame Av	Regional	P1	0.25
* McPhillips St	Mountain Av	College Av	Regional	P1	0.32
* McPhillips St	Beauty Av	Jefferson Av	Regional	P1	0.55
* McPhillips St	Jefferson Av	Beauty Av	Regional	P1	0.56
* McPhillips St	Canna Bv	Kingsbury Av	Regional	P1	1.06
* McPhillips St	Canna Bv	Kingsbury Av	Regional	P1	1.06
* McPhillips St	Leila Av	Kingsbury Av	Regional	P1	1.03
* McPhillips St	Kingsbury Av	Leila Av	Regional	P1	1.03
* McPhillips St	Selkirk Av	Jarvis Av	Regional	P1	0.98

* McPhillips St	McPhillips St	Selkirk Av	Regional	P1	0.10
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.03
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.04
* McPhillips St	Emes Rd	Balgona Rd	Regional	P1	2.20
* McPhillips St	Stardust Av	Canna Bv	Regional	P1	0.16
* McPhillips St	Lansdowne Av	Mapleglen Dr	Regional	P1	0.62
* McPhillips St	Leila Av	Court Av	Regional	P1	0.47
* McPhillips St	Swailles Av	Storie Rd	Regional	P1	0.98
* McPhillips St	Storie Rd	Swailles Av	Regional	P1	0.98
* McPhillips St	Court Av	Leila Av	Regional	P1	0.47
* McPhillips St	Richardson Av	Jefferson Av	Regional	P1	0.26
* McPhillips St	Balgona Rd	Murray Av	Regional	P1	1.25
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.02
* McPhillips St	Richardson Av	Dafoe Bv	Regional	P1	0.53
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.04
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.03
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.02
* McPhillips St	Cathedral Av	Huron Av	Regional	P1	0.15
* McPhillips St	Huron Av	Cathedral Av	Regional	P1	0.15
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.03
* McPhillips St	McPhillips St	Leila Av	Regional	P1	0.07
* McPhillips St	Dafoe Bv	Richardson Av	Regional	P1	0.52
* McPhillips St	McPhillips St	Kingsbury Av	Regional	P1	0.04
* McPhillips St	Pacific Av	Alexander Av	Regional	P1	0.21
* McPhillips St	McPhillips St	Jefferson Av	Regional	P1	0.06
* McPhillips St	Pritchard Av	Manitoba Av	Regional	P1	0.29
* McPhillips St	Beecher Av	Templeton Av	Regional	P1	0.07
* McPhillips St	Polson Av	Atlantic Av	Regional	P1	0.15
* McPhillips St	McDermont Av	McDermont Av	Regional	P1	0.16
* McPhillips St	Atlantic Av	Polson Av	Regional	P1	0.24
* McPhillips St	Huron Av	Bannerman Av	Regional	P1	0.16

* McPhillips St	Winnipeg Av	McDermot Av	Regional	P1	0.28
* McPhillips St	Templeton Av	Swailles Av	Regional	P1	0.24
* McPhillips St	Jefferson Av	Richardson Av	Regional	P1	0.26
* McPhillips St	Boyd Av	College Av	Regional	P1	0.24
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.04
* McPhillips St	Mountain Av	Troy Av	Regional	P1	0.22
* McPhillips St	Burrows Av	Burrows Av	Regional	P1	0.05
* McPhillips St	Court Av	Templeton Av	Regional	P1	0.41
* McPhillips St	Notre Dame Av	Winnipeg Av	Regional	P1	0.25
* McPhillips St	McDermont Av	Bannatyne Av	Regional	P1	0.17
* McPhillips St	Bannerman Av	Atlantic Av	Regional	P1	0.17
* McPhillips St	Cathedral Av	Machray Av	Regional	P1	0.30
* McPhillips St	Swailles Av	Templeton Av	Regional	P1	0.24
* McPhillips St	Jefferson Av	Jefferson Av	Regional	P1	0.02
* McPhillips St	Canna Bv	Canna Bv	Regional	P1	0.04
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.03
* McPhillips St	Templeton Av	Templeton Av	Regional	P1	0.03
* McPhillips St	Troy Av	Chamberlain Av	Regional	P1	0.56
* McPhillips St	Machray Av	Cathedral Av	Regional	P1	0.30
* McPhillips St	Higgins Av	Hillock Av	Regional	P1	0.24
* McPhillips St	Alexander Av	Pacific Av	Regional	P1	0.23
* McPhillips St	Alexander Av	Alexander Av	Regional	P1	0.11
* McPhillips St	Stardust Av	Beauty Av	Regional	P1	0.29
* McPhillips St	Pritchard Av	Selkirk Av	Regional	P1	0.27
* McPhillips St	Hillock Av	Henry Av	Regional	P1	0.10
* McPhillips St	Mapleglen Dr	Mapleglen Dr	Regional	P1	0.03
* McPhillips St	Lansdowne Av	Inkster Bv	Regional	P1	0.25
* McPhillips St	Inkster Bv	Inkster Bv	Regional	P1	0.06
* McPhillips St	Inkster Bv	Polson Av	Regional	P1	0.28
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.04
* McPhillips St	Canna Bv	Stardust Av	Regional	P1	0.16

* McPhillips St	Burrows Av	Magnus Av	Regional	P1	0.26
* McPhillips St	Chamberlain Av	Church Av	Regional	P1	0.23
* McPhillips St	Church Av	Chamberlain Av	Regional	P1	0.25
* McPhillips St	Bannerman Av	Bannerman Av	Regional	P1	0.10
* McPhillips St	Atlantic Av	Atlantic Av	Regional	P1	0.09
* McPhillips St	Bannerman Av	Bannerman Av	Regional	P1	0.10
* McPhillips St	Manitoba Av	Magnus Av	Regional	P1	0.30
* McPhillips St	Templeton Av	Templeton Av	Regional	P1	0.37
* McPhillips St	Pacific Av	Ross Av	Regional	P1	0.27
* McPhillips St	Aberdeen Av	Redwood Av	Regional	P1	0.31
* McPhillips St	Troy Av	Mountain Av	Regional	P1	0.23
* McPhillips St	College Av	Boyd Av	Regional	P1	0.24
* McPhillips St	Selkirk Av	Pritchard Av	Regional	P1	0.29
* McPhillips St	Church Av	Machray Av	Regional	P1	0.33
* McPhillips St	William Av	Coulter Av	Regional	P1	0.17
* McPhillips St	Coulter Av	William Av	Regional	P1	0.17
* McPhillips St	Dafoe Bv	Dafoe Bv	Regional	P1	0.05
* McPhillips St	Dafoe Bv	Mapleglen Dr	Regional	P1	0.53
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.04
* McPhillips St	Bannatyne Av	Coulter Av	Regional	P1	0.22
* McPhillips St	Bannatyne Av	McDermot Av	Regional	P1	0.17
* McPhillips St	College Av	Mountain Av	Regional	P1	0.33
* McPhillips St	McDermont Av	Winnipeg Av	Regional	P1	0.28
* McPhillips St	Polson Av	Polson Av	Regional	P1	0.11
* McPhillips St	Ross Av	Pacific Av	Regional	P1	0.29
* McPhillips St	Mapleglen Dr	Dafoe Bv	Regional	P1	0.53
* McPhillips St	Alexander Av	Alexander Av	Regional	P1	0.11
* McPhillips St	Beauty Av	Stardust Av	Regional	P1	0.30
* McPhillips St	Jefferson Av	Jefferson Av	Regional	P1	0.03
* McPhillips St	Polson Av	Inkster Bv	Regional	P1	0.39
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.04

* McPhillips St	Machray Av	Church Av	Regional	P1	0.31
* McPhillips St	Atlantic Av	Bannerman Av	Regional	P1	0.17
* McPhillips St	Canna Bv	Canna Bv	Regional	P1	0.04
* McPhillips St	Court Av	Court Av	Regional	P1	0.02
* McPhillips St	Leila Av	Leila Av	Regional	P1	0.04
* McPhillips St	Court Av	Court Av	Regional	P1	0.02
* McPhillips St	Templeton Av	Beecher Av	Regional	P1	0.31
* McPhillips St	Templeton Av	Templeton Av	Regional	P1	0.03
* McPhillips St	Templeton Av	Court Av	Regional	P1	0.41
* McPhillips St	Boyd Av	Redwood Av	Regional	P1	0.24
* McPhillips St	Redwood Av	Aberdeen Av	Regional	P1	0.31
* McPhillips St	Alfred Av	Burrows Av	Regional	P1	0.26
* McPhillips St	Elgin Av	Ross Av	Regional	P1	0.31
* McPhillips St	Magnus Av	Burrows St	Regional	P1	0.22
* McPhillips St	Burrows Av	Burrows Av	Regional	P1	0.05
* McPhillips St	Alfred Av	Aberdeen Av	Regional	P1	0.26
* McPhillips St	Redwood Av	Boyd Av	Regional	P1	0.24
* McPhillips St	Inkster Bv	Inkster Bv	Regional	P1	0.06
* McPhillips St	Elgin Av	William Av	Regional	P1	0.34
* McPhillips St	McPhillips St	McPhillips St	Regional	P1	0.03
* McPhillips St	Burrows Av	Alfred Av	Regional	P1	0.26
* McPhillips St	Inkster Bv	Lansdowne Av	Regional	P1	0.27
* McPhillips St	William Av	Elgin Av	Regional	P1	0.34
* McPhillips St	McPhillips St	Notre Dame Av	Regional	P1	0.05
* McPhillips St	Murray Av	Emes Rd	Regional	P1	3.45
Monsey St	Leila Av	Leila Av	Regional	P1	0.03
* Mountain Av	Monreith St	Radford St	Regional	P1	0.26
* Mountain Av	Sinclair St	Sinclair St	Regional	P1	0.11
* Mountain Av	Mckenzie St	Parr St	Regional	P1	0.95
* Mountain Av	Tinniswood St	Radford St	Regional	P1	0.34
* Mountain Av	Salter St	Aikins St	Regional	P1	0.81

* Mountain Av	Airlies St	Minnigaffe St	Regional	P1	0.35
* Mountain Av	Kildarroch St	Robertson St	Regional	P1	0.34
* Mountain Av	Kildarroch St	Airlies St	Regional	P1	0.33
* Mountain Av	Andrews St	Powers St	Regional	P1	0.81
* Mountain Av	Garlies St	Parr St	Regional	P1	0.34
* Mountain Av	Arlington St	Garlies St	Regional	P1	0.33
* Mountain Av	Main St	Charles St	Regional	P1	0.50
* Mountain Av	Andrews St	Mcgregor St	Regional	P1	0.81
* Mountain Av	Radford St	Radford St	Regional	P1	0.08
* Mountain Av	Seymour St	Arlington St	Regional	P1	0.35
* Mountain Av	Minnigaffe St	Penninghame St	Regional	P1	0.34
* Mountain Av	Seymour St	Sinclair St	Regional	P1	0.34
* Mountain Av	McPhillips St	Tinniswood St	Regional	P1	0.58
* Mountain Av	Aikins St	Charles St	Regional	P1	0.80
* Mountain Av	Galloway St	Sinclair St	Regional	P1	0.23
* Mountain Av	Cairnsmore St	Galloway St	Regional	P1	0.34
* Mountain Av	Cairnsmore St	Penninghame St	Regional	P1	0.34
* Mountain Av	Mcgregor St	Mckenzie St	Regional	P1	0.81
* Mountain Av	Main St	Main St	Regional	P1	0.03
* Mountain Av	Powers St	Salter St	Regional	P1	0.81
* Mountain Av	Dalton St	Robertson St	Regional	P1	0.34
* Mountain Av	Dalton St	Monreith St	Regional	P1	0.34
* Mountain Av	McPhillips St	McPhillips St	Regional	P1	0.03
Murray Av	Main St	Main St	Regional	P1	0.03
Murray Av	McPhillips St	McPhillips St	Regional	P1	0.04
Newton Av	Main St	Main St	Regional	P1	0.04
North Point Bv	Atlas Cr	Lyra Gt	Regional	P1	0.04
North Point Bv	Atlas Cr	Lyra Gt	Regional	P1	0.04
Notre Dame Av	McPhillips St	McPhillips St	Regional	P1	0.04
Pacific Av	McPhillips St	McPhillips St	Regional	P1	0.03
Park Manor Bv	Main St	Main St	Regional	P1	0.03

Parr St	Inkster Bv	Inkster Bv	Regional	P1	0.04
* Partridge Av	Embassy Ln	McGregor St	Regional	P1	0.32
* Partridge Av	Salter St	Aikins St	Regional	P1	0.71
* Partridge Av	Aikins St	Main St	Regional	P1	0.64
* Partridge Av	Powers St	Salter St	Regional	P1	0.50
* Partridge Av	Main St	Main St	Regional	P1	0.06
* Partridge Av	McGregor St	McGregor St	Regional	P1	0.02
* Partridge Av	Andrews St	Powers St	Regional	P1	0.60
* Partridge Av	McGregor St	Andrews St	Regional	P1	0.61
Perth Av	Main St	Main St	Regional	P1	0.04
Perth Av	Main St	Main St	Regional	P1	0.04
Polson Av	McPhillips St	McPhillips St	Regional	P1	0.03
Polson Av	Main St	Main St	Regional	P1	0.03
Polson Av	Main St	Main St	Regional	P1	0.03
Powers St	Inkster Bv	Inkster Bv	Regional	P1	0.04
Pritchard Av	McPhillips St	McPhillips St	Regional	P1	0.03
Pritchard Av	Main St	Main St	Regional	P1	0.03
* Red River Bv	Main St	Main St	Regional	P1	0.03
* Red River Bv	Main St	Main St	Regional	P1	0.03
* Redwood Av	Charles St	Main St	Regional	P1	0.24
* Redwood Av	McPhillips St	McPhillips St	Regional	P1	0.03
* Redwood Av	Main St	Redwood Bridge	Regional	P1	0.97
* Redwood Av	Redwood Av	Main St	Regional	P1	0.05
* Redwood Av	Main St	Main St	Regional	P1	0.05
* Redwood Av	Aikins St	Charles St	Regional	P1	0.40
* Redwood Av	Salter St	Aikins St	Regional	P1	0.40
Redwood Bridge	Redwood Av	Hespeler Av	Regional	P1	0.21
Redwood Bridge	Redwood Av	Hespeler Av	Regional	P1	0.19
Richardson Av	McPhillips St	McPhillips St	Regional	P1	0.03
Ridgecrest Av	Main St	Main St	Regional	P1	0.03
Ridgecrest Av	Main St	Rivergrove Dr	Regional	P1	0.03

Ross Av	McPhillips St	McPhillips St	Regional	P1	0.03
Royal Av	Main St	Main St	Regional	P1	0.04
Royal Av	Main St	Main St	Regional	P1	0.04
Rupertsland Av	Main St	Main St	Regional	P1	0.03
Rupertsland Bv	Main St	Main St	Regional	P1	0.03
* Salter St	Salter St	Stella Av	Regional	P1	0.21
* Salter St	Slaw Rebchuk Bridge	Dufferin Av	Regional	P1	0.41
* Salter St	Stella Av	Flora Av	Regional	P1	0.24
* Salter St	Slaw Rebchuk Bridge	Dufferin Av	Regional	P1	0.41
* Salter St	Forrest Av	Partridge Av	Regional	P1	0.38
* Salter St	Alfred Av	Aberdeen Av	Regional	P1	0.32
* Salter St	Bannerman Av	Cathedral Av	Regional	P1	0.40
* Salter St	Rupertsland Av	Enniskillen Av	Regional	P1	0.20
* Salter St	Cathedral Av	Machray Av	Regional	P1	0.40
* Salter St	Kingsbury Av	Royal Av	Regional	P1	0.32
* Salter St	Enniskillen Av	Seven Oaks Av	Regional	P1	0.17
* Salter St	Flora Av	Selkirk Av	Regional	P1	0.35
* Salter St	Slaw Rebchuk Bridge	Salter St	Regional	P1	0.41
* Salter St	Burrin Av	Semple Av	Regional	P1	0.40
* Salter St	Kilbride Av	Semple Av	Regional	P1	0.36
* Salter St	Anderson Av	Church Av	Regional	P1	0.40
* Salter St	Forrest Av	Royal Av	Regional	P1	0.32
* Salter St	Redwood Av	Aberdeen Av	Regional	P1	0.41
* Salter St	Manitoba Av	Pritchard Av	Regional	P1	0.36
* Salter St	St Johns Av	Mountain Av	Regional	P1	0.40
* Salter St	St Johns Av	Anderson Av	Regional	P1	0.48
* Salter St	Burrows Av	Burrows Av	Regional	P1	0.05
* Salter St	Magnus Av	Manitoba Av	Regional	P1	0.35
* Salter St	Boyd Av	Redwood Av	Regional	P1	0.32
* Salter St	Burrows Av	Magnus Av	Regional	P1	0.27
* Salter St	Salter St	Partridge Av	Regional	P1	0.26

* Salter St	McAdam Av	Smithfield Av	Regional	P1	0.20
* Salter St	Inkster Bv	Luxton Av W	Regional	P1	0.33
* Salter St	Church Av	Machray Av	Regional	P1	0.48
* Salter St	Matheson Av	McAdam Av	Regional	P1	0.20
* Salter St	College Av	Mountain Av	Regional	P1	0.46
* Salter St	Atlantic Av	Polson Av	Regional	P1	0.31
* Salter St	Luxton Av W	Polson Av	Regional	P1	0.18
* Salter St	Atlantic Av	Bannerman Av	Regional	P1	0.37
* Salter St	Belmont Av	Hartford Av	Regional	P1	0.33
* Salter St	Kilbride Av	Belmont Av	Regional	P1	0.32
* Salter St	Inkster Bv	Inkster Bv	Regional	P1	0.08
* Salter St	Stella Av	Dufferin Av	Regional	P1	0.22
* Salter St	Stella Av	Dufferin Av	Regional	P1	0.22
* Salter St	College Av	Boyd Av	Regional	P1	0.32
* Salter St	Rupertsland Av	Smithfield Av	Regional	P1	0.20
* Salter St	Leila Av	Partridge Av	Regional	P1	0.56
* Salter St	Carruthers Av	Matheson Av	Regional	P1	0.11
* Salter St	Inkster Bv	Lansdowne Av	Regional	P1	0.18
* Salter St	St Anthony Av	Jefferson Av	Regional	P1	0.20
* Salter St	Alfred Av	Burrows Av	Regional	P1	0.31
* Salter St	Carruthers Av	Lansdowne Av	Regional	P1	0.11
* Salter St	Jefferson Av	Seven Oaks Av	Regional	P1	0.17
* Salter St	Burrin Av	Kingsbury Av	Regional	P1	0.24
* Salter St	Hartford Av	Perth Av	Regional	P1	0.39
* Salter St	Perth Av	St Anthony Av	Regional	P1	0.39
* Salter St	Pritchard Av	Selkirk Av	Regional	P1	0.36
* Salter St	Dufferin Av	Dufferin Av	Regional	P1	0.02
* Salter St	Dufferin Av	Dufferin Av	Regional	P1	0.02
Seaforth Av	Main St	Main St	Regional	P1	0.04
* Selkirk Av	Andrews St	Mcgregor St	Regional	P1	0.81
* Selkirk Av	Aikins St	Robinson St	Regional	P1	0.44

* Selkirk Av	King St	Main St	Regional	P1	0.45
* Selkirk Av	Selkirk Av	Salter St	Regional	P1	0.05
* Selkirk Av	Andrews St	Salter St	Regional	P1	1.61
* Selkirk Av	Sgt Tommy Prince St	McPhillips St	Regional	P1	0.58
* Selkirk Av	Selkirk Av	Selkirk Av	Regional	P1	0.11
* Selkirk Av	McPhillips St	McPhillips St	Regional	P1	0.03
* Selkirk Av	Arlington St	Parr St	Regional	P1	0.80
* Selkirk Av	Salter St	Aikins St	Regional	P1	0.80
* Selkirk Av	Main St	Main St	Regional	P1	0.03
* Selkirk Av	Battery St	Sinclair St	Regional	P1	1.61
* Selkirk Av	Charles St	Robinson St	Regional	P1	0.37
* Selkirk Av	Mckenzie St	Parr St	Regional	P1	0.81
* Selkirk Av	Charles St	King St	Regional	P1	0.72
* Selkirk Av	Sgt Tommy Prince St	Battery St	Regional	P1	1.15
* Selkirk Av	Mcgregor St	Mckenzie St	Regional	P1	0.80
* Selkirk Av	Arlington St	Sinclair St	Regional	P1	0.81
Semple Av	Main St	Main St	Regional	P1	0.04
Seven Oaks Av	Main St	Main St	Regional	P1	0.04
Sinclair St	Leila Av	Leila Av	Regional	P1	0.03
Sinclair St	Inkster Bv	Inkster Bv	Regional	P1	0.04
Slaw Rebchuk Bridge	Isabel St	Salter St	Regional	P1	0.31
Slaw Rebchuk Bridge	Isabel St	Salter St	Regional	P1	0.30
Slaw Rebchuk Bridge	Isabel St	Salter St	Regional	P1	0.31
Slaw Rebchuk Bridge	Isabel St	Salter St	Regional	P1	0.30
Smithfield Av	Main St	Main St	Regional	P1	0.03
St Anthony Av	Main St	Main St	Regional	P1	0.04
St Anthony Av	Main St	Main St	Regional	P1	0.04
St Johns Av	Main St	Main St	Regional	P1	0.03
St Johns Av	Main St	Main St	Regional	P1	0.03
Stardust Av	McPhillips St	McPhillips St	Regional	P1	0.03
Stella Av	Salter St	Salter St	Regional	P1	0.03

Stella Av	Main St	Main St	Regional	P1	0.03
Storie Rd	McPhillips St	McPhillips St	Regional	P1	0.03
Swales Av	McPhillips St	McPhillips St	Regional	P1	0.03
Templeton Av	McPhillips St	McPhillips St	Regional	P1	0.03
Templeton Av	McPhillips St	McPhillips St	Regional	P1	0.03
Templeton Av	McPhillips St	McPhillips St	Regional	P1	0.03
Templeton Av	Main St	Main St	Regional	P1	0.04
Troy Av	McPhillips St	McPhillips St	Regional	P1	0.03
Wiginton St	Inkster Bv	Inkster Bv	Regional	P1	0.04
William Av	McPhillips St	McPhillips St	Regional	P1	0.03
Winnipeg Av	McPhillips St	McPhillips St	Regional	P1	0.03
Woodbine Av	Main St	Main St	Regional	P1	0.03
TOTAL					211.73

Note: “*” denotes snow to be cleared from streets and lane intersections, pedestrian crosswalks and corridors, private approaches, railway crossings and bus stops to be hauled away when street cleared.

APPENDIX B - NORTH AREA (NORTH) PRIORITY II STREETS

STREET NAME	FROM STREET	TO STREET	SNOW ROUTE	PRIORITY	LANE KM
Airlies St	Lansdowne Av	Carruthers Av	Non Regional	P2	0.11
Airlies St	Merriwood Av	Jefferson Av	Non Regional	P2	0.48
Airlies St	Lansdowne Av	Inkster Bv	Non Regional	P2	0.18
Airlies St	Ashbury By	Kingsbury Av	Non Regional	P2	0.10
Airlies St	Carruthers Av	Pearce Av	Non Regional	P2	0.31
Airlies St	Buttercup Av	Ashbury By	Non Regional	P2	0.28
Airlies St	Forest Park Dr	Arrowwood Dr N	Non Regional	P2	0.45
Airlies St	Aster Av	Mellish Av	Non Regional	P2	0.14
Airlies St	Ashbury By	Ashbury By	Non Regional	P2	0.16
Airlies St	Jefferson Av	Mellish Av	Non Regional	P2	0.74
Airlies St	Aster Av	Pearce Av	Non Regional	P2	0.05
Andrews St	Perth Av	St Anthony Av	Non Regional	P3S	0.20
Andrews St	Jefferson Av	St Anthony Av	Non Regional	P3S	0.20
Andrews St	Perth Av	Hartford Av	Non Regional	P3S	0.20
Arrowwood Dr N	Arrowwood Dr S	Verbena St	Non Regional	P3S	0.06
Arrowwood Dr N	Iris St	Morrison St	Non Regional	P3S	0.35
Arrowwood Dr N	Airlies St	Verbena St	Non Regional	P3S	0.16
Arrowwood Dr N	Arrowwood Dr S	Iris St	Non Regional	P3S	0.11
Atlas Cr	North Point Bv	North Point Bv	Non Regional	P2	0.03
Beecher Av	Garden Park Dr	Sinclair St	Non Regional	P2	0.78
Buttercup Av	Morrison St	Petunia St	Non Regional	P3S	0.22
Buttercup Av	Iris St	Verbena St	Non Regional	P3S	0.21
Buttercup Av	Iris St	Petunia St	Non Regional	P3S	0.23
Buttercup Av	Airlies St	Verbena St	Non Regional	P3S	0.17
Carsdale Dr	Ben Hewak By	Ben Hewak By	Non Regional	P2	0.17
Carsdale Dr	Ben Hewak By	Gateside Wy	Non Regional	P2	0.17
Carsdale Dr	Gateside Wy	Murray Av	Non Regional	P2	0.19

Carsdale Dr	Red River Bv W	Ben Hewak By	Non Regional	P2	0.19
Carsdale Dr	Gateside Wy	Gateside Wy	Non Regional	P2	0.30
Cochrane St	Jones St	Cochrane St	Non Regional	P2	0.02
Cork Av	Hanna St	Salter St	Non Regional	P3S	0.41
Cork Av	Hanna St	Sly Dr	Non Regional	P3S	0.17
Cottingham St	Dafoe Bv	Mellish Av	Non Regional	P3S	0.17
Cottingham St	Dafoe Bv	Dafoe Bv	Non Regional	P3S	0.05
Dafoe Bv	Cottingham St	Payne St	Non Regional	P3S	0.39
Dafoe Bv	Payne St	McPhillips St	Non Regional	P3S	0.12
Dafoe Bv	Payne St	Cottingham St	Non Regional	P3S	0.41
Dafoe Bv	McPhillips St	Payne St	Non Regional	P3S	0.12
Fernbank Av	Fernbank Av	Main St	Non Regional	P2	0.13
Fernbank Av	Baden Ct	Ansell Ct	Non Regional	P2	0.19
Fernbank Av	Ansell Ct	Maplegrove Rd	Non Regional	P2	0.23
Fernbank Av	Riverstone Rd	Riverwest Rd	Non Regional	P2	0.10
Fernbank Av	Baden Ct	Riverwest Rd	Non Regional	P2	0.20
Fernbank Av	Riverstone Rd	Signet Rd	Non Regional	P2	0.08
Fernbank Av	Main St	Signet Rd	Non Regional	P2	0.28
Ferrier St	Beecher Av	Murray Av	Non Regional	P2	2.40
Ferrier St	Templeton Av	Beecher Av	Non Regional	P2	0.32
Forest Park Dr	Grandcrest St	Sinclair St	Non Regional	P3S	0.41
Forest Park Dr	Sweetwood By	Sinclair St	Non Regional	P2	0.10
Forest Park Dr	Sinclair St	Sweetwood By	Non Regional	P2	0.17
Forest Park Dr	Sweetwood By	Sweetwood By	Non Regional	P2	0.17
Forest Park Dr	Airlies St	Sweetwood By	Non Regional	P2	0.17
Garden Park Dr	Farlinger By	Farlinger By	Non Regional	P2	0.17
Garden Park Dr	Leila Av	Garden Park Dr	Non Regional	P2	0.22
Garden Park Dr	Garden Park Dr	Garden Park Dr	Non Regional	P2	0.02
Garden Park Dr	Farlinger By	Templeton Av	Non Regional	P2	0.18
Garden Park Dr	Beecher Av	Templeton Av	Non Regional	P2	0.32
Garden Park Dr	Tully Rd	Leila Av	Non Regional	P2	0.58

Hartford Av	Main St	Aikins St	Non Regional	P2	0.01
Hartford Av	Andrews St	Powers St	Non Regional	P2	0.40
Hartford Av	Grandcrest St	Montcalm Cr	Non Regional	P2	0.23
Hartford Av	Grandcrest St	Sinclair St	Non Regional	P2	0.48
Hartford Av	Montcalm Cr	Parr St	Non Regional	P2	0.23
Hartford Av	Mcgregor St	Mckenzie St	Non Regional	P2	0.40
Hartford Av	Mckenzie St	Parr St	Non Regional	P2	0.27
Hartford Av	Aikins St	Salter St	Non Regional	P2	0.39
Hartford Av	Powers St	Salter St	Non Regional	P2	0.40
Hartford Av	Andrews St	Mcgregor St	Non Regional	P2	0.40
Hartford Av	Jones St	Scotia St	Non Regional	P2	0.32
Hartford Av	Jones St	Main St	Non Regional	P2	0.40
Inkster Bv	Main St	Cochrane St	Non Regional	P2	0.52
Inkster Bv	Scotia St	St Cross St	Non Regional	P2	0.57
Inkster Bv	Cochrane St	St Cross St	Non Regional	P2	0.57
Jefferson Av	Parr St	Teakwood Av	Non Regional	P2	0.31
Jefferson Av	Airlies St	Airlies St	Non Regional	P2	0.22
Jefferson Av	Tulip Rd	Fir St	Non Regional	P2	0.23
Jefferson Av	Fir St	McPhillips St	Non Regional	P2	0.42
Jefferson Av	Salter St	Aikins St	Non Regional	P2	0.39
Jefferson Av	Vanier Dr	Sinclair St	Non Regional	P2	0.02
Jefferson Av	Andrews St	Mcgregor St	Non Regional	P2	0.40
Jefferson Av	McPhillips St	Jefferson Av	Non Regional	P2	0.10
Jefferson Av	Teakwood Av	Vanier Dr	Non Regional	P2	0.32
Jefferson Av	Mcgregor St	Mckenzie St	Non Regional	P2	0.40
Jefferson Av	Mckenzie St	Parr St	Non Regional	P2	0.40
Jefferson Av	Sinclair St	Vanier Dr	Non Regional	P2	0.17
Jefferson Av	Airlies St	Sinclair St	Non Regional	P2	0.60
Jefferson Av	Tulip Rd	Airlies St	Non Regional	P2	0.46
Jefferson Av	Andrews St	Powers St	Non Regional	P2	0.40
Jefferson Av	Powers St	Salter St	Non Regional	P2	0.41

Jefferson Av	Aikins St	Main St	Non Regional	P2	0.40
Kingsbury Av	Aikins St	Aikins St	Non Regional	P3S	0.18
Kingsbury Av	Lincrest Rd	Mckenzie St	Non Regional	P2	0.19
Kingsbury Av	Main St	Aikins St	Non Regional	P3S	0.44
Kingsbury Av	Airlies St	Sinclair St	Non Regional	P2	0.50
Kingsbury Av	Verbena St	Airlies St	Non Regional	P2	0.17
Kingsbury Av	McPhillips St	Petunia St	Non Regional	P2	0.84
Kingsbury Av	Lincrest Rd	Sinclair St	Non Regional	P2	0.86
Kingsbury Av	Verbena St	Petunia St	Non Regional	P2	0.50
Kingsbury Av	Aikins St	Salter St	Non Regional	P3S	0.22
Knotwood Cr	Red River Bv	Red River Bv	Non Regional	P2	0.03
Lansdowne Av	Mckenzie St	Parr St	Non Regional	P3S	0.40
Lyra Gt	North Point Bv	North Point Bv	Non Regional	P2	0.03
Lyra Gt	Phoenix St	North Point Bv	Non Regional	P2	0.39
Lyra Gt	Murray Av	Phoenix St	Non Regional	P2	0.14
Main St	Murray Av	Ridgecrest Av	Non Regional	P2	0.05
Marigold By	Sinclair St	Sinclair St	Non Regional	P3S	0.29
Matheson Av E	St Cross St	Scotia St	Non Regional	P2	0.45
Matheson Av E	Matheson Av E	Matheson Av E	Non Regional	P2	0.02
Matheson Av E	Cochrane St	St Cross St	Non Regional	P2	0.57
Matheson Av E	St Cross St	Cochrane St	Non Regional	P2	0.57
Matheson Av E	Matheson Av E	Matheson Av E	Non Regional	P2	0.02
Matheson Av E	Scotia St	St Cross St	Non Regional	P2	0.45
McKenzie St	Hartford Av	Belmont Av	Non Regional	P3S	0.17
Mckenzie St	Semple Av	Burrin Av	Non Regional	P3S	0.20
McKenzie St	Inkster Bv	Lansdowne Av	Non Regional	P3S	0.18
Mckenzie St	Burrin Av	Kingsbury Av	Non Regional	P3S	0.12
McKenzie St	Kilbride Av	Belmont Av	Non Regional	P3S	0.16
McKenzie St	Kilbride Av	Semple Av	Non Regional	P3S	0.18
Meadowcrest By	Red River Bv	Red River Bv	Non Regional	P2	0.03
Meadowcrest By	Red River Bv	Red River Bv	Non Regional	P2	0.03

Mellish Av	Cottingham St	Mccurdy St	Non Regional	P3S	0.42
Mellish Av	Airlies St	Mccurdy St	Non Regional	P3S	0.17
Morrison St	Arrowwood Dr N	Buttercup Av	Non Regional	P3S	0.46
Murray Av	McPhillips St	Lyra Gt	Non Regional	P2	0.57
Murray Av	Lyra Gt	McGregor	Non Regional	P2	0.82
Murray Av	McGregor	Ferrier St	Non Regional	P2	1.58
Murray Av	Ferrier St	Gateside St	Non Regional	P2	1.09
Murray Av	Swinford Wy	Endcliffe Pl	Non Regional	P2	0.08
Murray Av	Frog Plain Wy	Endcliffe Pl	Non Regional	P2	0.34
Murray Av	Donan St	Main St	Non Regional	P2	0.49
Murray Av	Carsdale Dr	Gateside St	Non Regional	P2	0.28
Murray Av	Danford Pl	Swinford Wy	Non Regional	P2	0.35
North Point Bv	Lyra Gt	Atlas Cr	Non Regional	P2	0.19
North Point Bv	Atlas Cr	Lyra Gt	Non Regional	P2	0.17
North Point Bv	Atlas Cr	Lyra Gt	Non Regional	P2	0.67
North Point Bv	Atlas Cr	Lyra Gt	Non Regional	P2	0.21
North Point Bv	Lyra Gt	Vega St	Non Regional	P2	0.20
North Point Bv	Lyra Gt	Vega St	Non Regional	P2	0.19
North Point Bv	Atlas Cr	Lyra Gt	Non Regional	P2	0.68
North Point Bv	Vega St	Lyra Gt	Non Regional	P2	0.19
North Point Bv	Lyra Gt	Vega St	Non Regional	P2	0.19
Payne St	Dafoe Bv	Dafoe Bv	Non Regional	P2	0.03
Red Maple Rd	Fernbank Av	Vince Leah Dr	Non Regional	P2	0.38
Red River Bv	Knotwood Cr	Rivergrove Dr	Non Regional	P2	0.19
Red River Bv	Red River Bv	Main St	Non Regional	P2	0.05
Red River Bv	Meadowcrest By	Main St	Non Regional	P2	0.25
Red River Bv	Main St	Meadowcrest By	Non Regional	P2	0.25
Red River Bv	Rivergrove Dr	Sandalwood Cr	Non Regional	P2	0.19
Red River Bv	Meadowcrest By	Meadowcrest By	Non Regional	P2	0.15
Red River Bv	Meadowcrest By	Meadowcrest By	Non Regional	P2	0.15
Red River Bv	Meadowcrest By	Knotwood Cr	Non Regional	P2	0.16

Red River Bv	Sandalwood Cr	Meadowcrest By	Non Regional	P2	0.16
Red River Bv W	Donan St	Willow Wk	Non Regional	P2	0.19
Red River Bv W	Red River Bv W	Main St	Non Regional	P2	0.06
Red River Bv W	Riverstone Rd	Timberwood Tl	Non Regional	P2	0.35
Red River Bv W	Crofters Cv	Donan St	Non Regional	P2	0.18
Red River Bv W	Riverstone Rd	Main St	Non Regional	P2	0.28
Red River Bv W	Carsdale Dr	Spruce Thicket Wk	Non Regional	P2	0.20
Red River Bv W	Carsdale Dr	End	Non Regional	P2	0.20
Red River Bv W	Spruce Thicket Wk	Willow Wk	Non Regional	P2	0.18
Red River Bv W	Vince Leah Dr	Willow Wk	Non Regional	P2	0.01
Red River Bv W	Crofters Cv	Lochspur Ln	Non Regional	P2	0.17
Red River Bv W	Vince Leah Dr	Willow Wk	Non Regional	P2	0.01
Red River Bv W	Main St	Riverstone Rd	Non Regional	P2	0.28
Red River Bv W	Red River Bv W	Riverstone Rd	Non Regional	P2	0.26
Ridgecrest Av	Main St	Scotia St	Non Regional	P2	0.43
Ridgecrest Av	Scotia St	Rivergrove Dr	Non Regional	P2	0.65
Ridgecrest Av	Main St	Rivergrove Dr	Non Regional	P2	0.34
Rivergrove Dr	Knotwood Cr	Red River Bv	Non Regional	P2	0.21
Rivergrove Dr	Grifindale Dr	Ridgecrest Av	Non Regional	P2	0.08
Rivergrove Dr	Harmsworth Dr	River Ridge Pl	Non Regional	P2	0.17
Rivergrove Dr	River Ridge Dr	Grifindale By	Non Regional	P2	0.16
Rivergrove Dr	Attridge Ln	Knotwood Cr	Non Regional	P2	0.21
Rivergrove Dr	Grifindale Dr	Harmsworth Dr	Non Regional	P2	0.19
Rivergrove Dr	Summerview Ln	End	Non Regional	P2	0.12
Rivergrove Dr	Saul Miller Dr	Summerview Ln	Non Regional	P2	0.17
Rivergrove Dr	Broadview Pl	Sandalwood Cr	Non Regional	P2	0.14
Rivergrove Dr	Broadview Pl	Red River Bv	Non Regional	P2	0.14
Rivergrove Dr	Sandalwood Cr	Saul Miller Dr	Non Regional	P2	0.17
Rivergrove Dr	Saul Miller Dr	Summerview Ln	Non Regional	P2	0.09
Rivergrove Dr	Saul Miller Dr	Summerview Ln	Non Regional	P2	0.08
Riverstone Rd	Red River Bv W	Vince Leah Dr	Non Regional	P2	0.43

Riverstone Rd	Fernbank Av	William Whiteway By	Non Regional	P2	0.21
Riverstone Rd	Red River Bv W	Red River Bv W	Non Regional	P2	0.03
Riverstone Rd	Vince Leah Dr	William Whiteway By	Non Regional	P2	0.19
Royal Av	Aikins St	Salter St	Non Regional	P3S	0.22
Royal Av	Aikins St	Main St	Non Regional	P3S	0.61
Salter St	Margaret Av	Southall Dr	Non Regional	P2	0.17
Salter St	Armstrong Av	Vera By	Non Regional	P2	0.17
Salter St	Margaret Av	Templeton Av	Non Regional	P2	0.17
Salter St	Templeton Av	Veronica By	Non Regional	P2	0.19
Salter St	Armstrong Av	Leila Av	Non Regional	P2	0.38
Salter St	Vera By	Cork Av	Non Regional	P2	0.03
Salter St	Veronica By	Vera By	Non Regional	P2	0.21
Salter St	Southall Dr	End	Non Regional	P2	0.10
Scotia St	McAdam Av	McAdam Av	Non Regional	P2	0.02
Scotia St	Lansdowne Av	Inkster Bv	Non Regional	P2	0.20
Scotia St	Rupertsland Bv	Tait Av	Non Regional	P2	0.29
Scotia St	Seven Oaks Av	Tait Av	Non Regional	P2	0.24
Scotia St	Perth Av	St Anthony Av	Non Regional	P2	0.18
Scotia St	Matheson Av E	Lansdowne Av	Non Regional	P2	0.30
Scotia St	Mcadam Av	Smithfield Av	Non Regional	P2	0.22
Scotia St	Rupertsland Bv	Smithfield Av	Non Regional	P2	0.25
Scotia St	Matheson Av E	Mcadam Av	Non Regional	P2	0.19
Scotia St	Jefferson Av	St Anthony Av	Non Regional	P2	0.21
Scotia St	Hartford Av	Perth Av	Non Regional	P2	0.18
Scotia St	Jefferson Av	Seven Oaks Av	Non Regional	P2	0.20
Sinclair St	Forest Park Dr	Hartford Av	Non Regional	P2	0.18
Sinclair St	Beecher Av	Saphire Pl	Non Regional	P2	0.16
Sinclair St	Hillhouse Rd	Leila Av	Non Regional	P2	0.42
Sinclair St	Hillhouse Rd	Kingsbury Av	Non Regional	P2	0.28
Sinclair St	Hartford Av	Merriwood Av	Non Regional	P2	0.16
Sinclair St	Templeton Av	Beecher Av	Non Regional	P2	0.32

Sinclair St	Ambassador Rw	Mathias Av	Non Regional	P2	0.34
Sinclair St	Forest Park Dr	Lincrest Rd	Non Regional	P2	0.43
Sinclair St	Swailles Av	Saphire Pl	Non Regional	P2	0.16
Sinclair St	Mcadam Av	Dahlia Av	Non Regional	P2	0.20
Sinclair St	Teakwood Av	Jefferson Av	Non Regional	P2	0.17
Sinclair St	Jefferson Av	Merriwood Av	Non Regional	P2	0.43
Sinclair St	Marigold By	Bluebell Av	Non Regional	P2	0.17
Sinclair St	Dahlia Av	Dahlia Av	Non Regional	P2	0.01
Sinclair St	Carruthers Av	Dahlia Av	Non Regional	P2	0.09
Sinclair St	Mcadam Av	Cherryhill Rd	Non Regional	P2	0.19
Sinclair St	Bluebell Av	Salvia By	Non Regional	P2	0.04
Sinclair St	Inkster Bv	Lansdowne Av	Non Regional	P2	0.18
Sinclair St	Lansdowne Av	Carruthers Av	Non Regional	P2	0.11
Sinclair St	Kingsbury Av	Lincrest Rd	Non Regional	P2	0.26
Sinclair St	Cherryhill Rd	Marigold By	Non Regional	P2	0.17
Sinclair St	Primrose Cr	Teakwood Av	Non Regional	P2	0.17
Sinclair St	Leila Av	Mathias Av	Non Regional	P2	0.15
Sinclair St	Ambassador Rw	Templeton Av	Non Regional	P2	0.42
Sly Dr	Cork Av	Templeton Av	Non Regional	P3S	0.44
St Cross St	Matheson Av E	Matheson Av E	Non Regional	P2	0.02
Swailles Av	Dvoras Cv	Blundell By	Non Regional	P2	0.02
Swailles Av	Blackthorne By	Winestock Pl	Non Regional	P2	0.08
Swailles Av	Blundell By	Nikki Ln	Non Regional	P2	0.16
Swailles Av	Brooks Cv	Celina Cv	Non Regional	P2	0.22
Swailles Av	Yanofsky WY	Gregg Pl	Non Regional	P2	0.18
Swailles Av	McPhillips St	Nikki Ln	Non Regional	P2	0.12
Swailles Av	Dvoras Cv	Blundell By	Non Regional	P2	0.21
Swailles Av	Birchbark By	Sinclair St	Non Regional	P2	0.16
Swailles Av	Blackthorne By	Brooks Cv	Non Regional	P2	0.16
Swailles Av	Nurgitz By	Yanofsky Wy	Non Regional	P2	0.22
Swailles Av	Winestock Pl	Blackthorne By	Non Regional	P2	0.08

Swailles Av	Blackthorne By	Saphire Pl	Non Regional	P2	0.08
Swailles Av	Birchbark By	Saphire Pl	Non Regional	P2	0.07
Swinford Wy	Swinford Wy	Glenboro Pl	Non Regional	P3S	0.24
Swinford Wy	Glenboro Pl	Glenboro Pl	Non Regional	P3S	0.03
Swinford Wy	Wellwood Pl	Murray Av	Non Regional	P3S	0.19
Swinford Wy	Glenboro Pl	Grady Bend Pl	Non Regional	P3S	0.20
Swinford Wy	Glenboro Pl	Grady Bend Pl	Non Regional	P3S	0.02
Swinford Wy	Swinford Wy	Carsdale Dr	Non Regional	P3S	0.17
Templeton Av	Hanna St	Sly Dr	Non Regional	P2	0.17
Templeton Av	Durward St	Garden Park Dr	Non Regional	P2	0.35
Templeton Av	Drimes Pl	Yanofsky Wy	Non Regional	P2	0.33
Templeton Av	McPhillips St	Templeton Av	Non Regional	P2	0.25
Templeton Av	Holiday Pl	McPhillips St	Non Regional	P2	0.34
Templeton Av	Aikins St	Aikins St	Non Regional	P2	0.40
Templeton Av	Brambleberry Pl	Amanda Cr	Non Regional	P2	0.16
Templeton Av	Laurel Leaf Ln	Hutton St	Non Regional	P2	0.20
Templeton Av	Aikins St	Main St	Non Regional	P2	0.39
Templeton Av	Hanna St	Salter St	Non Regional	P2	0.33
Templeton Av	Templeton Av	Templeton Av	Non Regional	P2	0.02
Templeton Av	Governors Ct	Sinclair St	Non Regional	P2	0.18
Templeton Av	Diplomat Dr	Arrowhead Ct	Non Regional	P2	0.30
Templeton Av	Salter St	Tanner St	Non Regional	P2	0.41
Templeton Av	Yanofsky WY	Garden Park Dr	Non Regional	P2	0.17
Templeton Av	Durward St	Brambleberry Pl	Non Regional	P2	0.13
Templeton Av	Ferrier St	Sly Dr	Non Regional	P2	0.30
Templeton Av	Sinclair St	Amanda Cr	Non Regional	P2	0.17
Templeton Av	Hutton St	Governors Ct	Non Regional	P2	0.17
Templeton Av	Ferrier St	Mcgregor St	Non Regional	P2	0.18
Templeton Av	Diplomat Dr	Laurel Leaf Ln	Non Regional	P2	0.20
Templeton Av	Drimes Pl	Holiday Pl	Non Regional	P2	0.17
Templeton Av	Arrowhead Ct	Mcgregor St	Non Regional	P2	0.32

Vega St	North Point Bv	North Point Bv	Non Regional	P2	0.03
Vince Leah Dr	Pinetree Cr	Spruce Thicket Wk	Non Regional	P2	0.17
Vince Leah Dr	Ferngrove Wk	Red Maple Rd	Non Regional	P2	0.19
Vince Leah Dr	Spruce Thicket Wk	Red River Bv W	Non Regional	P2	0.35
Vince Leah Dr	Pinetree Cr	Ferngrove Wk	Non Regional	P2	0.48
Wiginton St	Lansdowne Av	Carruthers Av	Non Regional	P3S	0.11
Wiginton St	Inkster Bv	Lansdowne Av	Non Regional	P3S	0.18
Total					72.92

APPENDIX C – NORTH AREA (NORTH) PRIORITY III STREETS

STREET NAME	FROM STREET	TO STREET	SNOW ROUTE	PRIORITY	LANE KM
Aikins St	Leila Av	Newton Av	N/A	P3	0.18
Aikins St	Kingsbury Av	Royal Av	N/A	P3	0.16
Aikins St	Matheson Av	Mcadam Av	N/A	P3	0.20
Aikins St	Matheson Av	Carruthers Av	N/A	P3	0.10
Aikins St	Templeton Av	Margaret Av	N/A	P3	0.92
Aikins St	Enniskillen Av	Rupertsland Av	N/A	P3	0.19
Aikins St	Newton Av	Armstrong Av	N/A	P3	0.16
Aikins St	Belmont Av	Kilbride Av	N/A	P3	0.16
Aikins St	Smithfield Av	Rupertsland Av	N/A	P3	0.20
Aikins St	Carruthers Av	Lansdowne Av	N/A	P3	0.12
Aikins St	Leila Av	Partridge Av	N/A	P3	0.20
Aikins St	Belmont Av	Hartford Av	N/A	P3	0.17
Aikins St	Enniskillen Av	Seven Oaks Av	N/A	P3	0.17
Aikins St	Perth Av	Hartford Av	N/A	P3	0.20
Aikins St	Perth Av	St Anthony Av	N/A	P3	0.20
Aikins St	Burrin Av	Kingsbury Av	N/A	P3	0.12
Aikins St	Mcadam Av	Smithfield Av	N/A	P3	0.20
Aikins St	Kilbride Av	Semple Av	N/A	P3	0.18
Aikins St	Forrest Av	Royal Av	N/A	P3	0.16
Aikins St	Burrin Av	Semple Av	N/A	P3	0.20
Aikins St	Jefferson Av	Seven Oaks Av	N/A	P3	0.17
Aikins St	Jefferson Av	St Anthony Av	N/A	P3	0.20
Aikins St	Inkster Bv	Lansdowne Av	N/A	P3	0.18
Aikins St	Forrest Av	End	N/A	P3	0.08
Amanda Cr	Warren Pl	Ambassador Rw	N/A	P3	0.24
Amanda Cr	Ambassador Rw	End	N/A	P3	0.23

Amanda Cr	Templeton Av	Warren Pl	N/A	P3	0.18
Ambassador Rw	Consulate Rd	Sinclair St	N/A	P3	0.17
Ambassador Rw	Diplomat Dr	Envoy Cr	N/A	P3	0.50
Ambassador Rw	Consulate Rd	Envoy Pl	N/A	P3	0.23
Ambassador Rw	Attache Dr	Leila Av	N/A	P3	0.26
Ambassador Rw	Amanda Cr	Sinclair St	N/A	P3	0.17
Ambassador Rw	Attache Dr	Diplomat Dr	N/A	P3	0.92
Andrews St	Kilbride Av	Semple Av	N/A	P3	0.18
Andrews St	Inkster Bv	Lansdowne Av	N/A	P3	0.18
Andrews St	Burrin Av	Kingsbury Av	N/A	P3	0.12
Andrews St	Kilbride Av	Belmont Av	N/A	P3	0.16
Andrews St	Belmont Av	Hartford Av	N/A	P3	0.17
Andrews St	Royal Av	Royal Av	N/A	P3	0.05
Andrews St	Kingsbury Av	Royal Av	N/A	P3	0.10
Andrews St	Partridge Av	Leila Av	N/A	P3	0.20
Andrews St	Burrin Av	Semple Av	N/A	P3	0.20
Andrews St	Carruthers Av	Lansdowne Av	N/A	P3	0.11
Andrews St	Forrest Av	Royal Av	N/A	P3	0.13
Andrews St	Forrest Av	Partridge Av	N/A	P3	0.20
Ansell Ct	Fernbank Av	End	N/A	P3	0.21
Arklie Pl	Glencairn Rd	Maplegrove Rd	N/A	P3	0.34
Arlington St	Enniskillen Av	Rupertsland Av	N/A	P3	0.20
Arlington St	Lansdowne Av	Inkster Bv	N/A	P3	0.18
Arlington St	Lansdowne Av	Carruthers Av	N/A	P3	0.11
Arlington St	Carruthers Av	Matheson Av	N/A	P3	0.11
Arlington St	Smithfield Av	Rupertsland Av	N/A	P3	0.21
Arlington St	McAdam Av	Matheson Av	N/A	P3	0.20
Arlington St	McAdam Av	Smithfield Av	N/A	P3	0.21
Armstrong Av	Aikins St	Newton Av	N/A	P3	0.57
Armstrong Av	Marymound Wy	Scotia St	N/A	P3	0.97
Armstrong Av	Main St	Aikins St	N/A	P3	0.41

Armstrong Av	Marymount Wy	Main St	N/A	P3	0.46
Armstrong Av	Newton Av	Salter St	N/A	P3	0.24
Armstrong Av	Sly Dr	Salter St	N/A	P3	0.61
Arrowhead Ct	Templeton Av	End	N/A	P3	0.39
Arrowwood Dr N	Nolana St	Viola St	N/A	P3	0.17
Arrowwood Dr N	Morrison St	Nolana St	N/A	P3	0.17
Arrowwood Dr S	Coralberry Av	Tulip Rd	N/A	P3	0.67
Arrowwood Dr S	Arrowwood Dr N	Tulip Rd	N/A	P3	0.69
Arrowwood Dr S	Coralberry Av	Arrowwood Dr N	N/A	P3	0.17
Arrowwood Dr S	Viola St	Coralberry Av	N/A	P3	0.37
Ashbury By	Airlies St	Airlies St	N/A	P3	0.82
Aster Av	Daffodil St	Airlies St	N/A	P3	0.19
Aster Av	Crocus St	Daffodil St	N/A	P3	0.48
Atlas Cr	North Point Bv	South End	N/A	P3	0.27
Attache Dr	Diplomat Dr	Ambassador Rw	N/A	P3	0.80
Attache Pl	Ambassador Rw	End	N/A	P3	0.19
Attridge Ln	Attridge Ln	Attridge Ln	N/A	P3	0.09
Attridge Ln	Attridge Ln	Attridge Ln	N/A	P3	0.03
Attridge Ln	Attridge Ln	Marydale Pl	N/A	P3	0.11
Attridge Ln	Marydale Pl	Attridge Ln	N/A	P3	0.06
Attridge Ln	Attridge Ln	Attridge Ln	N/A	P3	0.03
Attridge Ln	Attridge Ln	Rivergrove Dr	N/A	P3	0.11
Attridge Ln	Attridge Ln	Attridge Ln	N/A	P3	0.29
Attridge Ln	Attridge Ln	Attridge Ln	N/A	P3	0.09
Baden Ct	Fernbank Av	End	N/A	P3	0.21
Ballard Cr	Forrest Av	Forrest Av	N/A	P3	0.38
Barona Cv	Swales Av	End	N/A	P3	0.19
Beecher Av	Northmount Cv	Ferrier St	N/A	P3	0.35
Beecher Av	Northmount Cv	Swales Av	N/A	P3	0.21
Beecher Av	Governors Ct	Sinclair St	N/A	P3	0.20
Beecher Av	Ferrier St	End	N/A	P3	0.24

Beecher Av	Hutton St	Governors Ct	N/A	P3	0.18
Beecher Av	Drimes Pl	Yanofsky Wy	N/A	P3	0.17
Beecher Av	Yanofsky WY	Garden Park Dr	N/A	P3	0.30
Beecher Av	Drimes Pl	McPhillips St	N/A	P3	0.53
Beecher Av	Diplomat Dr	Northmount Cv	N/A	P3	0.25
Beecher Av	Hutton St	Diplomat Dr	N/A	P3	0.39
Beeston Dr	Seaforth Av	Seaforth Av	N/A	P3	0.52
Belmont Av	Jones St	Main St	N/A	P3	0.39
Belmont Av	Mckenzie St	End	N/A	P3	0.24
Belmont Av	Aikins St	Salter St	N/A	P3	0.40
Belmont Av	Andrews St	Powers St	N/A	P3	0.40
Belmont Av	Aikins St	Main St	N/A	P3	0.44
Belmont Av	Andrews St	Mcgregor St	N/A	P3	0.40
Belmont Av	Mckenzie St	Mcgregor St	N/A	P3	0.40
Belmont Av	Powers St	Salter St	N/A	P3	0.40
Belmont Av	Jones St	Scotia St	N/A	P3	0.22
Ben Hewak By	Carsdale Dr	Carsdale Dr	N/A	P3	0.42
Benn Av	Riverwest Rd	Main St	N/A	P3	0.60
Birchbark By	Birchtree Pl	Swales Av	N/A	P3	0.46
Birchbark By	Birchtree Pl	Swales Av	N/A	P3	0.35
Birchtree Pl	Birchbark By	Swales Av	N/A	P3	0.20
Blackthorne By	Swales Av	Swales Av	N/A	P3	0.54
Bluebell Av	Daffodil St	Sinclair St	N/A	P3	0.63
Blundell By	Swales Av	Yanofsky Wy	N/A	P3	0.75
Brambleberry Pl	Templeton Av	End	N/A	P3	0.23
Broadview Pl	Rivergrove Dr	End	N/A	P3	0.18
Brooks Cv	Swales Av	End	N/A	P3	0.21
Burrin Av	Main St	Aikins St	N/A	P3	0.44
Burrin Av	Mckenzie St	McGregor St	N/A	P3	0.40
Burrin Av	Andrews St	Powers St	N/A	P3	0.40
Burrin Av	Mcgregor St	Andrews St	N/A	P3	0.40

Burrin Av	Aikins St	Salter St	N/A	P3	0.40
Burrin Av	Powers St	Salter St	N/A	P3	0.41
Burrin Av	Main St	Scotia St	N/A	P3	0.60
Buttercup Av	Morrison St	Nolana St	N/A	P3	0.17
Buttercup Av	Nolana St	Viola St	N/A	P3	0.17
Canna Bv	Viola St	Gilia Dr	N/A	P3	0.20
Canna Bv	Gilia Dr	McPhillips St	N/A	P3	0.11
Canna Bv	Gilia Dr	Viola St	N/A	P3	0.20
Canna Bv	McPhillips St	Gilia Dr	N/A	P3	0.11
Carina Cv	Swailles Av	End	N/A	P3	0.26
Carruthers Av	Mckenzie St	Parr St	N/A	P3	0.40
Carruthers Av	Powers St	Salter St	N/A	P3	0.40
Carruthers Av	Salter St	Aikins St	N/A	P3	0.35
Carruthers Av	Andrews St	Powers St	N/A	P3	0.40
Carruthers Av	Aikins St	Aikins St	N/A	P3	0.06
Carruthers Av	Arlington St	Sinclair St	N/A	P3	0.40
Carruthers Av	Wiginton St	End	N/A	P3	0.30
Carruthers Av	Mcgregor St	Mckenzie St	N/A	P3	0.40
Carruthers Av	Cottingham St	Wiginton St	N/A	P3	0.18
Carruthers Av	Aikins St	Main St	N/A	P3	0.49
Carruthers Av	Airlies St	Sinclair St	N/A	P3	0.84
Carruthers Av	Airlies St	Cottingham St	N/A	P3	0.59
Carruthers Av	Arlington St	Parr St	N/A	P3	0.40
Carruthers Av	Andrews St	Copp St	N/A	P3	0.10
Carruthers Av	Copp St	Mcgregor St	N/A	P3	0.30
Cascia Cv	Swailles Av	Swailles Av	N/A	P3	0.13
Celina Cv	Swailles Av	End	N/A	P3	0.21
Cherryhill Rd	Crocus St	Sinclair St	N/A	P3	0.17
Cherryhill Rd	Daffodil St	Crocus St	N/A	P3	0.62
Cochrane St	McAdam Av	Matheson Av E	N/A	P3	0.19
Cochrane St	Inkster Bv	Lansdowne Av	N/A	P3	0.20

Colish Dr	Cottingham St	Pearce Av	N/A	P3	0.60
Colleen Rd	Jones St	Mac St	N/A	P3	0.42
Commonwealth Av	Main St	End	N/A	P3	0.26
Consulate Rd	Diplomat Dr	Envoy Cr	N/A	P3	0.14
Consulate Rd	Ambassador Rw	Envoy Cr	N/A	P3	0.61
Copp St	Mcadam Av	Matheson Av	N/A	P3	0.20
Copp St	Carruthers Av	Matheson Av	N/A	P3	0.11
Copp St	Mcadam Av	End	N/A	P3	0.10
Coralberry Av	Arrowwood Dr N	Arrowwood Dr S	N/A	P3	1.03
Cottingham St	Carruthers Av	Colish Dr	N/A	P3	0.11
Cottingham St	Colish Dr	Pearce Av	N/A	P3	0.20
Cottingham St	Pearce Av	Mellish Av	N/A	P3	0.19
Crocus St	Aster Av	Dahlia Av	N/A	P3	0.25
Crocus St	Aster Av	Cherryhill Rd	N/A	P3	0.14
Crofters Cv	Red River Bv W	End	N/A	P3	0.17
Daffodil St	Aster Av	Dahlia Av	N/A	P3	0.25
Daffodil St	Bluebell Av	Cherryhill Rd	N/A	P3	0.19
Daffodil St	Teakwood Av	Bluebell Av	N/A	P3	0.18
Daffodil St	Aster Av	Cherryhill Rd	N/A	P3	0.34
Dahlia Av	Daffodil St	End	N/A	P3	0.10
Dahlia Av	Crocus St	Sinclair St	N/A	P3	0.17
Dahlia Av	Crocus St	Daffodil St	N/A	P3	0.48
Dahlia Av	Sinclair St	End	N/A	P3	0.12
Danford Dr	Carsdale Dr	Wisteria Wy	N/A	P3	0.19
Danford Dr	Wisteria Wy	Frog Plain Wy	N/A	P3	0.38
Deepwood Cv	Fernbank Av	End	N/A	P3	0.21
Diplomat Dr	Embassy Ln	Hillhouse Rd	N/A	P3	0.11
Diplomat Dr	Beecher Av	Sovereign Cv	N/A	P3	0.16
Diplomat Dr	Doug Mckay Pl	Leila Av	N/A	P3	0.20
Diplomat Dr	Attache Dr	Consulate Rd	N/A	P3	0.19
Diplomat Dr	Laurel By	Embassy Ln	N/A	P3	0.11

Diplomat Dr	Doug Mckay Pl	Hillhouse Rd	N/A	P3	0.23
Diplomat Dr	Consulate Rd	Mathias Av	N/A	P3	0.23
Diplomat Dr	Beecher Av	Templeton Av	N/A	P3	0.32
Diplomat Dr	Leila Av	Mathias Av	N/A	P3	0.15
Diplomat Dr	Ambassador Rw	Attache Dr	N/A	P3	0.17
Diplomat Dr	Ambassador Rw	Templeton Av	N/A	P3	0.17
Donan St	Park Manor Bv	Woodbine Av	N/A	P3	0.17
Donan St	Le Peress Av	Ridgecrest Av	N/A	P3	0.17
Donan St	Murray Av	Ridgecrest Av	N/A	P3	0.31
Donan St	Le Peress Av	Park Manor Bv	N/A	P3	0.18
Donan St	Red River Bv W	Woodbine Av	N/A	P3	0.36
Doug Mckay Pl	Embassy Ln	Diplomat Dr	N/A	P3	0.35
Drimes Pl	Holiday Pl	Beecher Av	N/A	P3	0.16
Drimes Pl	Holiday Pl	Templeton Av	N/A	P3	0.16
Durward St	Tully Rd	End	N/A	P3	0.09
Durward St	Templeton Av	Tully Rd	N/A	P3	0.36
Dvoras Cv	Swailles Av	End	N/A	P3	0.18
Embassy Ln	Diplomat Dr	Doug Mckay Pl	N/A	P3	0.30
Embassy Ln	Doug Mckay Pl	Partridge Av	N/A	P3	0.19
Endcliffe Pl	Wisteria Wy	Frog Plain Wy	N/A	P3	0.75
Endcliffe Pl	Murray Av	Frog Plain Wy	N/A	P3	0.19
Enniskillen Av	Aikins St	Main St	N/A	P3	0.39
Enniskillen Av	Powers St	Salter St	N/A	P3	0.42
Enniskillen Av	Arlington St	Parr St	N/A	P3	0.20
Enniskillen Av	Mcgregor St	Parr St	N/A	P3	0.80
Enniskillen Av	Aikins St	Salter St	N/A	P3	0.38
Enniskillen Av	Mcgregor St	Powers St	N/A	P3	0.81
Envoy Cr	Ambassador Rw	Consulate Rd	N/A	P3	0.49
Envoy Pl	Ambassador Rw	End	N/A	P3	0.35
Farlinger By	Garden Park Dr	Garden Park Dr	N/A	P3	0.84
Fernbank Av	Glencairn Rd	Deepwood Cv	N/A	P3	0.20

Fernbank Av	Deepwood Cv	Maplegrove Rd	N/A	P3	0.22
Fernbank Av	Glencairn Rd	End	N/A	P3	0.21
Fernbank Av	Fernbank Av	Fernbank Av	N/A	P3	0.22
Ferngrove Wk	Pinetree Cr	Vince Leah Dr	N/A	P3	0.41
Ferngrove Wk	Fernbank Av	Pinetree Cr	N/A	P3	0.10
Fir St	Jefferson Av	Richardson Av	N/A	P3	0.18
Forest Park Dr	Grandcrest St	Grandcrest St	N/A	P3	0.98
Forrest Av	Mcgregor St	Andrews St	N/A	P3	0.40
Forrest Av	Aikins St	Main St	N/A	P3	0.61
Forrest Av	Ballard Cr	Ballard Cr	N/A	P3	0.17
Forrest Av	Ord St	Scotia St	N/A	P3	0.27
Forrest Av	Ballard Cr	Main St	N/A	P3	0.18
Forrest Av	Ballard Cr	Ord St	N/A	P3	0.10
Forrest Av	Salter St	Aikins St	N/A	P3	0.23
Foxrun Pl	McBeth Gr	McBeth Gr	N/A	P3	0.19
Frog Plain Wy	Endcliffe Pl	Murray Av	N/A	P3	0.10
Frog Plain Wy	Endcliffe Pl	Murray Av	N/A	P3	0.42
Frog Plain Wy	Endcliffe Pl	Endcliffe Pl	N/A	P3	0.47
Gateside Wy	Carsdale Dr	Carsdale Dr	N/A	P3	0.62
Gibbs St	Highland Av	End	N/A	P3	0.08
Gilia Dr	Canna Bv	Canna Bv	N/A	P3	0.03
Gilia Dr	Viola St	Petunia St	N/A	P3	0.57
Gilia Dr	Canna Bv	Viola St	N/A	P3	0.76
Gilia Dr	Petunia St	Verbena St	N/A	P3	0.50
Glenboro Pl	Swinford Wy	Swinford Wy	N/A	P3	0.13
Glencairn Rd	Arklie Pl	Maplegrove Rd	N/A	P3	0.47
Glencairn Rd	Fernbank Av	Shalimar Cr	N/A	P3	0.31
Glencairn Rd	Arklie Pl	Shalimar Cr	N/A	P3	0.39
Glencairn Rd	Riverwest Rd	Maplegrove Rd	N/A	P3	0.58
Governors Ct	Beecher Av	Templeton Av	N/A	P3	0.32
Grady Bend Pl	Swinford Wy	Swinford Wy	N/A	P3	0.27

Grandcrest St	Forest Park Dr	Hartford Av	N/A	P3	0.16
Grandcrest St	Forest Park Dr	Lincrest Rd	N/A	P3	0.17
Grandcrest St	Forest Park Dr	Forest Park Dr	N/A	P3	0.24
Gregg Pl	Swailles Av	End	N/A	P3	0.18
Grifindale Pl	River Ridge Dr	Rivergrove Dr	N/A	P3	0.54
Hanna St	Cork Av	Templeton Av	N/A	P3	0.44
Harmsworth Dr	River Ridge Dr	Rivergrove Dr	N/A	P3	0.46
Harry Lehotsky Cv	McGregor St	McGregor St	N/A	P3	0.16
Hearthwood Gr	Vince Leah Dr	Vince Leah Dr	N/A	P3	0.68
Highland Av	Main St	Gibbs St	N/A	P3	0.82
Hillhouse Rd	Diplomat Dr	Tanoak Park Dr	N/A	P3	0.24
Hillhouse Rd	Sinclair St	Tanoak Park Dr	N/A	P3	0.17
Hillhouse Rd	Laurel By	Tanoak Park Dr	N/A	P3	0.25
Hillhouse Rd	Laurel By	Tanoak Park Dr	N/A	P3	0.30
Holiday Pl	Drimes Pl	Templeton Av	N/A	P3	0.33
Horrox By	Riverwest Rd	Riverwest Rd	N/A	P3	0.71
Hutton St	Beecher Av	Templeton Av	N/A	P3	0.32
Iris St	Arrowwood Dr N	Buttercup Av	N/A	P3	0.48
Jack Donner Dr	Leila Av	End	N/A	P3	0.12
Jefferson Av	Jones St	Main St	N/A	P3	0.48
Jefferson Av	Jones St	Scotia St	N/A	P3	0.52
John Black Av	Scotia St	Main St	N/A	P3	0.42
John Black Av	Scotia St	End	N/A	P3	0.07
John Reeves Pl	Signet Rd	End	N/A	P3	0.28
John Reeves Pl	Riverwest Rd	Signet Rd	N/A	P3	0.19
Jones St	Seven Oaks Av	Tait Av	N/A	P3	0.19
Jones St	Jefferson Av	St Anthony Av	N/A	P3	0.18
Jones St	Rupertsland Bv	Rupertsland Bv	N/A	P3	0.02
Jones St	Seven Oaks Av	Jefferson Av	N/A	P3	0.17
Jones St	Matheson Av E	End	N/A	P3	0.12
Jones St	Rupertsland Bv	Tait Av	N/A	P3	0.20

Jones St	Mcadam Av	Smithfield Av	N/A	P3	0.23
Jones St	Matheson Av E	Matheson Av E	N/A	P3	0.02
Jones St	Colleen Rd	Rupertsland Bv	N/A	P3	0.09
Jones St	Colleen Rd	Smithfield Av	N/A	P3	0.11
Jones St	Perth Av	St Anthony Av	N/A	P3	0.17
Jones St	Belmont Av	Hartford Av	N/A	P3	0.16
Kilbride Av	Main St	Aikins St	N/A	P3	0.44
Kilbride Av	Main St	Scotia St	N/A	P3	0.59
Kilbride Av	Aikins St	Salter St	N/A	P3	0.40
Kilbride Av	Andrews St	Powers St	N/A	P3	0.40
Kilbride Av	Mcgregor St	Mckenzie St	N/A	P3	0.40
Kilbride Av	Powers St	Salter St	N/A	P3	0.40
Kilbride Av	Andrews St	Mcgregor St	N/A	P3	0.40
Kimwood By	Merriwood Av	Merriwood Av	N/A	P3	0.61
Kingsbury Av	Andrews St	Mcgregor St	N/A	P3	0.40
Kingsbury Av	Scotia St	Main St	N/A	P3	0.69
Kingsbury Av	Mcgregor St	Mckenzie St	N/A	P3	0.40
Kingsbury Av	Powers St	Salter St	N/A	P3	0.41
Kingsbury Av	Andrews St	Powers St	N/A	P3	0.40
Kirkham By	Maplegrove Rd	Maplegrove Rd	N/A	P3	0.71
Knotwood Cr	Red River Bv	Rivergrove Dr	N/A	P3	0.39
Lansdowne Av	Scotia St	St Cross St	N/A	P3	0.57
Lansdowne Av	Cochrane St	St Cross St	N/A	P3	0.57
Lansdowne Av	Andrews St	Powers St	N/A	P3	0.40
Lansdowne Av	Andrews St	Mcgregor St	N/A	P3	0.40
Lansdowne Av	Mcgregor St	Mckenzie St	N/A	P3	0.40
Lansdowne Av	Arlington St	Parr St	N/A	P3	0.40
Lansdowne Av	Cochrane St	Main St	N/A	P3	0.54
Lansdowne Av	End	Arlington St	N/A	P3	0.16
Lansdowne Av	McPhillips St	Wiginton St	N/A	P3	0.39
Lansdowne Av	Airlies St	Sinclair St	N/A	P3	0.82

Lansdowne Av	Sinclair St	End	N/A	P3	0.17
Lansdowne Av	Powers St	Salter St	N/A	P3	0.40
Lansdowne Av	Aikins St	Salter St	N/A	P3	0.40
Lansdowne Av	Aikins St	Main St	N/A	P3	0.50
Laurel By	Diplomat Dr	Hillhouse Rd	N/A	P3	0.83
Laurel Leaf Ln	Templeton Av	End	N/A	P3	0.23
Le Peress Av	Donan St	Main St	N/A	P3	0.57
Leila Av	Marymound Wy	Scotia St	N/A	P3	0.68
Leila Av	Main St	Marymound Wy	N/A	P3	0.46
Lincest Rd	Kingsbury Av	Woodcrest Dr	N/A	P3	0.10
Lincest Rd	Woodcrest Dr	Grandcrest St	N/A	P3	0.65
Lincest Rd	Grandcrest St	Woodcrest Dr	N/A	P3	0.16
Lincest Rd	Sinclair St	Woodcrest Dr	N/A	P3	0.16
Lochspur Ln	Red River Bv W	End	N/A	P3	0.20
Mac St	Colleen Rd	Smithfield Av	N/A	P3	0.11
Mac St	Rupertsland Bv	Rupertsland Bv	N/A	P3	0.03
Mac St	Colleen Rd	Rupertsland Bv	N/A	P3	0.08
Mac St	Rupertsland Bv	Tait Av	N/A	P3	0.19
Macklin Av	Mccurdy St	Payne St	N/A	P3	0.84
Maplegrove Rd	Kirkham By	Shalimar Cr	N/A	P3	0.20
Maplegrove Rd	Fernbank Av	Kirkham By	N/A	P3	0.31
Maplegrove Rd	Arklie Pl	Shalimar Cr	N/A	P3	0.18
Maplegrove Rd	Kirkham By	Glencairn Rd	N/A	P3	0.16
Maplegrove Rd	Maplegrove Rd	Maplegrove Rd	N/A	P3	0.19
Margaret Av	Southall Dr	Salter St	N/A	P3	0.42
Margaret Av	Aikins St	Tanner St	N/A	P3	0.40
Margaret Av	Aikins St	Main St	N/A	P3	0.40
Margaret Av	Tanner St	Southall Dr	N/A	P3	0.41
Marydale Pl	Attridge Ln	Rivergrove Dr	N/A	P3	0.36
Marymound Wy	Armstrong Av	Newton Av	N/A	P3	0.17
Marymound Wy	Leila Av	Newton Av	N/A	P3	0.18

Marymount Wy	Forrest Av	Leila Av	N/A	P3	0.31
Matheson Av	Arlington St	End	N/A	P3	0.09
Matheson Av	Mcgregor St	Parr St	N/A	P3	0.81
Matheson Av	Parr St	Arlington St	N/A	P3	0.40
Matheson Av	Aikins St	Salter St	N/A	P3	0.34
Matheson Av	Copp St	Powers St	N/A	P3	0.50
Matheson Av	Salter St	Powers St	N/A	P3	0.40
Matheson Av	Copp St	Mcgregor St	N/A	P3	0.30
Matheson Av E	Main St	Jones St	N/A	P3	0.36
Matheson Av E	Jones St	Cochrane St	N/A	P3	0.20
Matheson Av E	Jones St	Main St	N/A	P3	0.36
Matheson Av E	Cochrane St	Jones St	N/A	P3	0.20
Matheson Av E	Matheson Av E	Matheson Av E	N/A	P3	0.02
Mathias Av	Monsey St	Sinclair St	N/A	P3	0.34
Mathias Av	Diplomat Dr	Monsey St	N/A	P3	0.40
McAdam Av	Sinclair St	Arlington St	N/A	P3	0.31
McAdam Av	Main St	Jones St	N/A	P3	0.43
McAdam Av	McAdam Av	McAdam Av	N/A	P3	0.02
McAdam Av	End	St Cross St	N/A	P3	0.27
McAdam Av	Cochrane St	Jones St	N/A	P3	0.16
McAdam Av	Scotia St	St Cross St	N/A	P3	0.40
McAdam Av	Copp St	Mcgregor St	N/A	P3	0.30
McAdam Av	Arlington St	Parr St	N/A	P3	0.40
McAdam Av	St Cross St	End	N/A	P3	0.27
McAdam Av	Parr St	Mcgregor St	N/A	P3	0.81
McAdam Av	St Cross St	Scotia St	N/A	P3	0.40
McAdam Av	Powers St	Salter St	N/A	P3	0.40
McAdam Av	Aikins St	Salter St	N/A	P3	0.34
McAdam Av	Aikins St	Aikins St	N/A	P3	0.05
McAdam Av	Aikins St	Main St	N/A	P3	0.46
McAdam Av	Copp St	Powers St	N/A	P3	0.51

McBeth Gr	Foxrun Pl	Rivergrove Dr	N/A	P3	0.35
McBeth Gr	Stepnuk Pl	Stepnuk Pl	N/A	P3	0.33
McBeth Gr	Foxrun Pl	Stepnuk Pl	N/A	P3	0.19
McBeth St	Red River Bv	End	N/A	P3	0.09
McCurdy St	Richardson Av	Macklin Av	N/A	P3	0.15
McCurdy St	Mellish Av	Macklin Av	N/A	P3	0.39
McGregor St	Murray Av	End	N/A	P3	0.29
McKenzie St	Hartford Av	Perth Av	N/A	P3	0.20
McKenzie St	St Anthony Av	Perth Av	N/A	P3	0.20
McKenzie St	Jefferson Av	St Anthony Av	N/A	P3	0.20
McKenzie St	Carruthers Av	Lansdowne Av	N/A	P3	0.11
Meadowcrest By	Red River Bv	Red River Bv	N/A	P3	0.57
Meredith By	Templeton Av	Meredith By	N/A	P3	1.01
Merriwood Av	Airlies St	Kimwood By	N/A	P3	0.17
Merriwood Av	Kimwood By	Kimwood By	N/A	P3	0.23
Merriwood Av	Kimwood By	Sinclair St	N/A	P3	0.17
Miravista Dr	McGregor St	End	N/A	P3	0.38
Monsey St	Leila Av	Mathias Av	N/A	P3	0.15
Montcalm Cr	Vanier Dr	Vanier Dr	N/A	P3	0.62
Montcalm Cr	Vanier Dr	Hartford Av	N/A	P3	0.18
Morongo Cv	Swailles Av	End	N/A	P3	0.19
Newton Av	Armstrong Av	Aikins St	N/A	P3	0.73
Newton Av	Marymound Wy	Scotia St	N/A	P3	0.84
Newton Av	Main St	Marymound Wy	N/A	P3	0.46
Newton Av	Aikins St	Main St	N/A	P3	0.41
Nikki Ln	Swailles Av	End	N/A	P3	0.31
Nolana St	Arrowwood Dr N	Buttercup Av	N/A	P3	0.46
Northmount Cv	Beecher Av	End	N/A	P3	0.32
Nurgitz By	Swailles Av	Swailles Av	N/A	P3	0.60
Park Manor Bv	Donan St	Main St	N/A	P3	0.62
Park Manor Bv	Donan St	End	N/A	P3	0.17

Parr St	Jefferson Av	St Anthony Av	N/A	P3	0.20
Parr St	Carruthers Av	Lansdowne Av	N/A	P3	0.11
Parr St	Inkster Bv	Lansdowne Av	N/A	P3	0.18
Parr St	Matheson Av	Carruthers Av	N/A	P3	0.11
Parr St	Mcadam Av	Smithfield Av	N/A	P3	0.20
Parr St	Enniskillen Av	Rupertsland Av	N/A	P3	0.19
Parr St	Matheson Av	Mcadam Av	N/A	P3	0.20
Parr St	Perth Av	St Anthony Av	N/A	P3	0.21
Parr St	Rupertsland Av	Smithfield Av	N/A	P3	0.20
Parr St	Jefferson Av	Seven Oaks Av	N/A	P3	0.17
Parr St	Hartford Av	Perth Av	N/A	P3	0.21
Parr St	Enniskillen Av	Seven Oaks Av	N/A	P3	0.17
Payne St	Richardson Av	Macklin Av	N/A	P3	0.17
Payne St	Macklin Av	Dafoe Bv	N/A	P3	0.17
Pearce Av	Airlies St	Colish Dr	N/A	P3	0.19
Pearce Av	Colish Dr	Cottingham St	N/A	P3	0.41
Peony Av	Petunia St	Viola St	N/A	P3	0.57
Peony Av	Petunia St	Verbena St	N/A	P3	0.50
Perth Av	Andrews St	Mcgregor St	N/A	P3	0.40
Perth Av	Andrews St	Powers St	N/A	P3	0.40
Perth Av	Mcgregor St	Mckenzie St	N/A	P3	0.40
Perth Av	Main St	Aikins St	N/A	P3	0.42
Perth Av	Mckenzie St	Parr St	N/A	P3	0.34
Perth Av	Jones St	Scotia St	N/A	P3	0.40
Perth Av	Powers St	Salter St	N/A	P3	0.40
Perth Av	Jones St	Main St	N/A	P3	0.41
Perth Av	Aikins St	Salter St	N/A	P3	0.40
Peter Herner By	Riverwest Rd	Riverwest Rd	N/A	P3	0.91
Petunia St	Buttercup Av	Peony Av	N/A	P3	0.18
Petunia St	Gilia Dr	Kingsbury Av	N/A	P3	0.10
Petunia St	Gilia Dr	Peony Av	N/A	P3	0.16

Phoenix St	Vega St	Lyra Gt	N/A	P3	0.19
Pinetree Cr	Vince Leah Dr	Ferngrove Wk	N/A	P3	0.87
Powers St	Kilbride Av	Semple Av	N/A	P3	0.18
Powers St	Carruthers Av	Lansdowne Av	N/A	P3	0.11
Powers St	Rupertsland Av	Smithfield Av	N/A	P3	0.20
Powers St	Partridge Av	Royal Av	N/A	P3	0.33
Powers St	Perth Av	Jefferson Av	N/A	P3	0.39
Powers St	Kingsbury Av	Royal Av	N/A	P3	0.16
Powers St	Belmont Av	Hartford Av	N/A	P3	0.17
Powers St	Matheson Av	Mcadam Av	N/A	P3	0.20
Powers St	Burrin Av	Semple Av	N/A	P3	0.20
Powers St	Kilbride Av	Belmont Av	N/A	P3	0.16
Powers St	Mcadam Av	Smithfield Av	N/A	P3	0.20
Powers St	Inkster Bv	Lansdowne Av	N/A	P3	0.18
Powers St	Partridge Av	Leila Av	N/A	P3	0.20
Powers St	Burrin Av	Kingsbury Av	N/A	P3	0.12
Powers St	Jefferson Av	Seven Oaks Av	N/A	P3	0.17
Powers St	Hartford Av	Perth Av	N/A	P3	0.20
Powers St	Carruthers Av	Matheson Av	N/A	P3	0.11
Powers St	Enniskillen Av	Rupertsland Av	N/A	P3	0.19
Powers St	Enniskillen Av	Seven Oaks Av	N/A	P3	0.17
Primrose Cr	Sinclair St	Sinclair St	N/A	P3	1.05
Red River Bv	Baldwin St	Mcbeth St	N/A	P3	0.30
Red River Bv	Baldwin St	End	N/A	P3	0.17
Red River Bv	Mcbeth St	Rivergrove Dr	N/A	P3	0.22
Red River Bv W	Red River Bv W	Red River Bv W	N/A	P3	0.35
Red River Bv W	Red River Bv W	Red River Bv W	N/A	P3	0.24
Richardson Av	McPhillips St	Payne St	N/A	P3	0.11
Richardson Av	Fir St	Mccurdy St	N/A	P3	0.53
Richardson Av	Fir St	Payne St	N/A	P3	0.32
Ridgecrest Av	Donan St	Main St	N/A	P3	0.53

River Ridge Dr	Harmsworth Dr	River Ridge Pl	N/A	P3	0.29
River Ridge Dr	Standish Pl	Harmsworth Dr	N/A	P3	0.24
River Ridge Dr	Standish Pl	Standish Pl	N/A	P3	0.07
River Ridge Dr	River Grove Dr	Standish Pl	N/A	P3	0.20
River Ridge Pl	River Ridge Pl	River Ridge Pl	N/A	P3	0.12
River Ridge Pl	River Ridge Pl	River Ridge Dr	N/A	P3	0.16
River Ridge Pl	River Ridge Pl	River Ridge Pl	N/A	P3	0.09
River Ridge Pl	Rivergrove Dr	River Ridge Pl	N/A	P3	0.11
River Ridge Pl	River Ridge Pl	River Ridge Pl	N/A	P3	0.03
River Ridge Pl	River Ridge Pl	River Ridge Pl	N/A	P3	0.09
River Ridge Pl	River Ridge Pl	River Ridge Pl	N/A	P3	0.16
River Ridge Pl	River Ridge Pl	River Ridge Pl	N/A	P3	0.03
Rivergrove Dr	Rivergrove Dr	Rivergrove Dr	N/A	P3	0.22
Rivergrove Dr	Rivergrove Dr	Rivergrove Dr	N/A	P3	0.16
Rivergrove Dr	Rivergrove Dr	Rivergrove Dr	N/A	P3	0.15
Rivergrove Dr	Rivergrove Dr	Rivergrove Dr	N/A	P3	0.15
Riverwest Rd	Peter Herner By	Glencairn Rd	N/A	P3	0.16
Riverwest Rd	Fernbank Av	Horrox By	N/A	P3	0.34
Riverwest Rd	Horrox By	Peter Herner By	N/A	P3	0.18
Riverwest Rd	Horrox By	Horrox By	N/A	P3	0.18
Royal Av	Main St	Scotia St	N/A	P3	0.72
Royal Av	Powers St	Salter St	N/A	P3	0.41
Royal Av	Andrews St	Mcgregor St	N/A	P3	0.40
Royal Av	Andrews St	Powers St	N/A	P3	0.40
Royal Cr	Mcgregor St	Mcgregor St	N/A	P3	0.58
Rupertsland Av	Mcgregor St	Parr St	N/A	P3	0.80
Rupertsland Av	Powers St	Salter St	N/A	P3	0.40
Rupertsland Av	Salter St	Aikins St	N/A	P3	0.40
Rupertsland Av	Aikins St	Main St	N/A	P3	0.41
Rupertsland Av	Mcgregor St	Powers St	N/A	P3	0.81
Rupertsland Av	Arlington St	Parr St	N/A	P3	0.27

Rupertsland Bv	Main St	Jones St	N/A	P3	0.42
Rupertsland Bv	Scotia St	Mac St	N/A	P3	0.61
Rupertsland Bv	Mac St	Rupertsland Bv	N/A	P3	0.53
Rupertsland Bv	Jones St	Main St	N/A	P3	0.43
Salvia By	Sinclair St	Sinclair St	N/A	P3	0.32
Samantha Pl	Tully Rd	End	N/A	P3	0.28
Sandalwood Cr	Red River Bv	Rivergrove Dr	N/A	P3	0.55
Sapphire Pl	Swailles Av	Sinclair St	N/A	P3	0.38
Saul Miller Dr	Rivergrove Dr	Rivergrove Dr	N/A	P3	0.88
Saul Miller Dr	Saul Miller Dr	End	N/A	P3	0.11
Scotia Pl	Scotia St	End	N/A	P3	0.11
Scotia St	Kingsbury Av	Scotia Pl	N/A	P3	0.17
Scotia St	Burrin Av	Semple Av	N/A	P3	0.21
Scotia St	Kilbride Av	Belmont Av	N/A	P3	0.17
Scotia St	Belmont Av	Hartford Av	N/A	P3	0.20
Scotia St	Armstrong Av	Newton Av	N/A	P3	0.19
Scotia St	Leila Av	End	N/A	P3	0.11
Scotia St	Newton Av	Leila Av	N/A	P3	0.24
Scotia St	Kilbride Av	Semple Av	N/A	P3	0.18
Scotia St	Burrin Av	Kingsbury Av	N/A	P3	0.20
Scotia St	Forrest Av	Royal Av	N/A	P3	0.14
Scotia St	Ridgecrest Av	End	N/A	P3	0.31
Scotia St	John Black Av	End	N/A	P3	0.35
Seaforth Av	Beeston Dr	Main St	N/A	P3	0.25
Seaforth Av	Beeston Dr	Beeston Dr	N/A	P3	0.14
Seaforth Av	Aikins St	Beeston Dr	N/A	P3	0.15
Semple Av	Mckenzie St	End	N/A	P3	0.10
Semple Av	Main St	Scotia St	N/A	P3	0.59
Semple Av	Aikins St	Main St	N/A	P3	0.44
Semple Av	Andrews St	Mcgregor St	N/A	P3	0.40
Semple Av	Mckenzie St	Mcgregor St	N/A	P3	0.40

Semple Av	Powers St	Salter St	N/A	P3	0.41
Semple Av	Andrews St	Powers St	N/A	P3	0.40
Semple Av	Aikins St	Salter St	N/A	P3	0.40
Seven Oaks Av	Salter St	Aikins St	N/A	P3	0.38
Seven Oaks Av	Mcgregor St	Powers St	N/A	P3	0.81
Seven Oaks Av	Jones St	Main St	N/A	P3	0.48
Seven Oaks Av	Powers St	Salter St	N/A	P3	0.42
Seven Oaks Av	Parr St	Mcgregor St	N/A	P3	0.80
Seven Oaks Av	Jones St	Scotia St	N/A	P3	0.63
Seven Oaks Av	Parr St	End	N/A	P3	0.15
Seven Oaks Pl	Main St	End	N/A	P3	0.27
Shalimar Cr	Glencairn Rd	Maplegrove Rd	N/A	P3	0.59
Signet Rd	Fernbank Av	John Reeves Pl	N/A	P3	0.35
Sly Dr	Armstrong Av	Weinberg Rd	N/A	P3	0.18
Sly Dr	Armstrong Av	Cork Av	N/A	P3	0.17
Smithfield Av	Jones St	Mac St	N/A	P3	0.38
Smithfield Av	Jones St	Main St	N/A	P3	0.45
Smithfield Av	Powers St	Salter St	N/A	P3	0.40
Smithfield Av	Arlington St	Parr St	N/A	P3	0.34
Smithfield Av	Mcgregor St	Parr St	N/A	P3	0.80
Smithfield Av	Mcgregor St	Powers St	N/A	P3	0.81
Smithfield Av	Mac St	St Cross St	N/A	P3	0.35
Smithfield Av	Scotia St	St Cross St	N/A	P3	0.38
Smithfield Av	Aikins St	Main St	N/A	P3	0.44
Smithfield Av	Aikins St	Salter St	N/A	P3	0.40
Southall Dr	Salter St	Margaret Av	N/A	P3	0.57
Southall Dr	Salter St	Aikins St	N/A	P3	0.81
Sovereign Cv	Diplomat Dr	End	N/A	P3	0.28
Sovereign Cv	Diplomat Dr	End	N/A	P3	0.25
Spruce Thicket Wk	Red River Bv W	Vince Leah Dr	N/A	P3	0.84
St Anthony Av	Main St	Jones St	N/A	P3	0.43

St Anthony Av	Jones St	Jones St	N/A	P3	0.03
St Anthony Av	Aikins St	Main St	N/A	P3	0.40
St Anthony Av	Salter St	Aikins St	N/A	P3	0.40
St Anthony Av	Parr St	Mckenzie St	N/A	P3	0.40
St Anthony Av	Jones St	Scotia St	N/A	P3	0.42
St Anthony Av	Mcgregor St	Andrews St	N/A	P3	0.40
St Anthony Av	Mckenzie St	Mcgregor St	N/A	P3	0.40
St Cross St	Mcadam Av	Smithfield Av	N/A	P3	0.22
St Cross St	Lansdowne Av	Matheson Av E	N/A	P3	0.21
St Cross St	Inkster Bv	Lansdowne Av	N/A	P3	0.20
St Cross St	Mcadam Av	Matheson Av E	N/A	P3	0.18
St Cross St	McAdam Av	McAdam Av	N/A	P3	0.02
Standish Pl	River Ridge Dr	River Ridge Dr	N/A	P3	0.20
Stepnuk Pl	McBeth Gr	McBeth Gr	N/A	P3	0.19
Summerview Ln	Summerview Ln	End	N/A	P3	0.10
Summerview Ln	Rivergrove Dr	Tatum Pl	N/A	P3	0.73
Summerview Ln	Rivergrove Dr	Tatum Pl	N/A	P3	0.65
Summerview Ln	Summerview Ln	End	N/A	P3	0.11
Sunterra Cv	Swailles Av	End	N/A	P3	0.19
Swailles Av	Waimea Cv	Birchbark By	N/A	P3	0.18
Swailles Av	Barona Cv	Sunterra Cv	N/A	P3	0.19
Swailles Av	Cascia Cv	Barona Cv	N/A	P3	0.18
Swailles Av	Morongo Cv	Sunterra Cv	N/A	P3	0.19
Swailles Av	Morongo Cv	Beecher Av	N/A	P3	0.70
Swailles Av	Carina Cv	Cascia Cv	N/A	P3	0.27
Swailles Av	Birchbark By	Carina Cv	N/A	P3	0.08
Swailles Av	Sinclair St	Waimea Cv	N/A	P3	0.18
Sweetwood By	Forest Park Dr	Forest Park Dr	N/A	P3	0.55
Swinford Wy	Swinford Wy	End	N/A	P3	0.16
Tait Av	Mac St	Scotia St	N/A	P3	0.40
Tait Av	Jones St	Mac St	N/A	P3	0.39

Tait Av	Jones St	End	N/A	P3	0.25
Tanner St	Margaret Av	End	N/A	P3	0.08
Tanner St	Margaret Av	Templeton Av	N/A	P3	0.17
Tanner St	Templeton Av	End	N/A	P3	0.19
Tanoak Park Dr	Hillhouse Rd	Hillhouse Rd	N/A	P3	0.91
Tatum Pl	Summerview Ln	End	N/A	P3	0.25
Teakwood Av	Sinclair St	Jefferson Av	N/A	P3	0.67
Teakwood Av	Sinclair St	Daffodil St	N/A	P3	0.61
Timberwood Tl	Red River Bv W	Red River Bv W	N/A	P3	0.96
Tulip Rd	Jefferson Av	Arrowwood Dr S	N/A	P3	0.18
Tully Rd	Farlinger By	Samantha Pl	N/A	P3	0.18
Tully Rd	Samantha Pl	Durward St	N/A	P3	0.16
Vanier Dr	Jefferson Av	Montcalm Cr	N/A	P3	0.24
Vanier Dr	Montcalm Cr	Montcalm Cr	N/A	P3	0.66
Vanier Dr	Jefferson Av	Montcalm Cr	N/A	P3	0.09
Vega St	Phoenix St	North Point Bv	N/A	P3	0.41
Vera By	Salter St	End	N/A	P3	0.18
Verbena St	Buttercup Av	Peony Av	N/A	P3	0.22
Verbena St	Arrowwood Dr N	Buttercup Av	N/A	P3	0.46
Verbena St	Gilia Dr	Kingsbury Av	N/A	P3	0.10
Verbena St	Gilia Dr	Peony Av	N/A	P3	0.16
Veronica By	Salter St	End	N/A	P3	0.18
Vince Leah Dr	Hearthwood Gr	Hearthwood Gr	N/A	P3	0.31
Vince Leah Dr	Hearthwood Gr	Riverstone Rd	N/A	P3	0.18
Vince Leah Dr	Hearthwood Gr	Red Maple Rd	N/A	P3	0.22
Viola St	Buttercup Av	Canna Bv	N/A	P3	0.27
Viola St	Peony Av	Gilia Dr	N/A	P3	0.16
Viola St	Arrowwood Dr N	Canna Bv	N/A	P3	0.17
Viola St	Buttercup Av	Peony Av	N/A	P3	0.18
Viola St	Canna Bv	Buttercup Av	N/A	P3	0.02
Waimea Cv	Swailles Av	End	N/A	P3	0.32

Warren Pl	Amanda Cr	End	N/A	P3	0.23
Weinberg Rd	Leila Av	Sly Dr	N/A	P3	0.65
Wellwood Pl	Swinford Wy	End	N/A	P3	0.24
William Whiteway By	Riverstone Rd	Riverstone Rd	N/A	P3	0.55
Willow Wk	Red River Bv W	Red River Bv W	N/A	P3	0.19
Winestock Pl	Swailles Av	End	N/A	P3	0.28
Wisteria Wy	Danford Dr	Danford Dr	N/A	P3	1.14
Woodbine Av	Donan St	End	N/A	P3	0.61
Woodbine Av	Donan St	Main St	N/A	P3	0.67
Woodcrest Dr	Lincest Rd	Lincest Rd	N/A	P3	0.85
Woodlark Pl	Templeton Av	End	N/A	P3	0.23
Yanofsky Wy	Swailles Av	Beecher Av	N/A	P3	0.31
Yanofsky Wy	Beecher Av	Templeton Av	N/A	P3	0.42
Total					201.28

APPENDIX D – HISTORICAL 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
2014-2015	82.0
2015-2016	124.0
2016-2017	81.2
2017-2018	48.8