



THE CITY OF WINNIPEG

TENDER

TENDER NO. 69-2026

**2026 ST. MARY'S ROAD (SOUTH) PAVEMENT RENEWAL – CONCRETE
RUBBLIZATION**

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 2026 ST. MARY'S ROAD (SOUTH) PAVEMENT RENEWAL – CONCRETE RUBBLIZATION

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 12:00 noon Winnipeg time, April 1, 2026

B2.2 The Contract Administrator or the Manager of Purchasing may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

B3. ENQUIRIES

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

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

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

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

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

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

B4. CONFIDENTIALITY

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

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

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

B5. ADDENDA

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

- B5.2 The Contract Administrator will issue each addendum at least two (2) Business Days prior to the Submission Deadline, or provide at least two (2) Business Days by extending the Submission Deadline.
- B5.3 Addenda will be available on the MERX website at www.merx.com.
- B5.4 The Bidder is responsible for ensuring that they have received all addenda and is advised to check the MERX website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B5.5 The Bidder shall acknowledge receipt of each addendum in Paragraph 10 of Form A: Bid/Proposal. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.
- B5.6 Notwithstanding B3, enquiries related to an Addendum may be directed to the Contract Administrator indicated in D3.

B6. SUBSTITUTES

- B6.1 The Work is based on the Plant, Materials and methods specified in the Tender.
- B6.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B6.3 Requests for approval of a substitute will not be considered unless received in writing by the Contract Administrator at least five (5) Business Days prior to the Submission Deadline.
- B6.4 The Bidder shall ensure that any and all requests for approval of a substitute:
- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the Plant, Material or method as either an approved equal or alternative;
 - (b) identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
 - (c) identify any anticipated cost or time savings that may be associated with the substitute;
 - (d) certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance;
 - (e) certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance.
- B6.5 The Contract Administrator, after assessing the request for approval of a substitute, may in their 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 they wish 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 their 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 B17.
- B6.9 No later claim by the Contractor for an addition to the Total Bid Price because of any other changes in the Work necessitated by the use of an approved equal or an approved alternative will be considered.

B7. BID COMPONENTS

- B7.1 The Bid shall consist of the following components:
- (a) Form A: Bid;
 - (b) Form B: Prices;
 - (c) Form G1: Bid Bond and Agreement to Bond.
- B7.2 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.
- B7.3 The Bid shall be submitted electronically through MERX at www.merx.com.
- B7.3.1 Bids will **only** be accepted electronically through MERX.
- B7.4 Bidders are advised that inclusion of terms and conditions inconsistent with the Tender document, including the General Conditions, will be evaluated in accordance with B17.1(a).

B8. BID

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

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

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

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).

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

B9.5.1 Bidders are advised that the calculation indicated in B17.4 will prevail over the Total Bid Price entered in MERX.

B10. DISCLOSURE

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

B10.2 The Persons are:

- (a) N/A

B11. CONFLICT OF INTEREST AND GOOD FAITH

B11.1 Further to C3.3, Bidders, by responding to this Tender, declare that no Conflict of Interest currently exists, or is reasonably expected to exist in the future.

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

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

that could or would be seen to:

- (i) exercise an improper influence over the objective, unbiased and impartial exercise of the independent judgment of the City with respect to the evaluation of Bids or award of the Contract; or

- (ii) compromise, impair or be incompatible with the effective performance of a Bidder's obligations under the Contract;
- (e) has contractual or other obligations to the City that could or would be seen to have been compromised or impaired as a result of their participation in the Tender process or the Work; or
- (f) has knowledge of confidential information (other than confidential information disclosed by the City in the normal course of the Tender process) of strategic and/or material relevance to the Tender process or to the Work that is not available to other bidders and that could or would be seen to give that Bidder an unfair competitive advantage.

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

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

B11.4 Without limiting B11.3, the City may, in their 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 their 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 their 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 their sole discretion:

- (a) disqualify a Bidder that fails to disclose a perceived, potential or actual Conflict of Interest of the Bidder or any of their 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 their 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 their 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 their sole discretion.

B12. QUALIFICATION

B12.1 The Bidder shall:

- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba; and
- (b) be financially capable of carrying out the terms of the Contract; and

- (c) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract.

B12.2 The Bidder and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- (a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Purchasing Division website at <https://www.winnipeg.ca/matmgt/Templates/files/debar.pdf>

B12.3 The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- (a) have successfully carried out work similar in nature, scope and value to the Work; and
- (b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract; and
- (c) have a written workplace safety and health program if required pursuant to The Workplace Safety and Health Act (Manitoba);
- (d) have completed the Accessible Customer Service online training required by the Accessibility for Manitobans Act (AMA) (see B12.5 and C6.19)

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™) in the form of:
 - (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 at https://www.winnipeg.ca/matmgt/Safety/safety_consultant.stm.

B12.5 Further to B12.3(d), the Bidder acknowledges that they and all Subcontractors have obtained training required by the Accessibility for Manitobans Act (AMA) available at <https://accessibilitymb.ca/resources-events-and-training/online-training.html> for anyone that may have any interaction with the public on behalf of the City of Winnipeg.

B12.6 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.

B12.7 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. BID SECURITY

B13.1 The Bidder shall include in their Bid Submission bid security in the form of a digital bid bond, in the amount of at least ten percent (10%) of the Total Bid Price, and agreement to bond of a

company registered to conduct the business of a surety in Manitoba, in Form G1: Bid Bond and Agreement to Bond, available at: <https://www.winnipeg.ca/media/4929/>.

- B13.2 Bid security shall be submitted in a digital format meeting the following criteria:
- (a) The version submitted by the Bidder must have valid digital signatures and seals;
 - (b) The version submitted by the Bidder must be verifiable by the City with respect to the totality and wholeness of the bond form, including: the content; all digital signatures and digital seals; with the surety company, or an approved verification service provider of the surety company.
 - (c) The version submitted must be viewable, printable and storable in standard electronic file formats compatible with the City, and in a single file. Allowable formats include pdf.
 - (d) The verification may be conducted by the City immediately or at any time during the life of the bond and at the discretion of the City with no requirement for passwords or fees.
 - (e) The results of the verification must provide a clear, immediate and printable indication of pass or fail regarding B13.2(a).
- B13.3 Bonds failing the verification process will not be considered to be valid and the bid shall be determined to be non-responsive in accordance with B17.1(a).
- B13.4 Bonds passing the verification process will be treated as original and authentic.
- B13.4.1 If the Bidder submits alternative bids, the bid security shall be in the amount of the specified percentage of the highest Total Bid Price submitted.
- B13.5 The bid security of the successful Bidder and the next two lowest evaluated responsive and responsible Bidders will be released by the City when a Contract for the Work has been duly formed with the successful Bidder and the contract securities are furnished as provided herein. The bid securities of all other Bidders will be released when a Contract is awarded.
- B13.6 The bid securities of all Bidders will be released by the City as soon as practicable following notification by the Contract Administrator to the Bidders that no award of Contract will be made pursuant to the Tender.

B14. OPENING OF BIDS AND RELEASE OF INFORMATION

- B14.1 Bids will not be opened publicly.
- B14.2 Following the submission deadline, the names of the Bidders and their Total Bid Prices (unevaluated, and pending review and verification of conformance with requirements) will be available on the MERX website at www.merx.com.
- B14.3 After award of Contract, the name(s) of the successful Bidder(s) and their Contract amount(s) will be available on the MERX website at www.merx.com.
- B14.4 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).
- B14.4.1 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.

B15. IRREVOCABLE BID

- B15.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 11 of Form A: Bid/Proposal.

B15.2 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 until a Contract for the Work has been duly formed and the contract securities have been furnished as herein provided, but any Bid shall be deemed to have lapsed unless accepted within the time period specified in Paragraph 11 of Form A: Bid/Proposal.

B16. WITHDRAWAL OF BIDS

B16.1 A Bidder may withdraw their Bid without penalty prior to the Submission Deadline.

B17. EVALUATION OF BIDS

B17.1 Award of the Contract shall be based on the following bid evaluation criteria:

- (a) compliance by the Bidder with the requirements of the Tender, or acceptable deviation 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.

B17.2 Further to B17.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Bid, or waive technical requirements or minor informalities or irregularities, if the interests of the City so require.

B17.3 Further to B17.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in their Bid or in other information required to be submitted, that they are qualified.

B17.4 Further to B17.1(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.

B17.4.1 Further to B17.1(a), in the event that a unit price is not provided on Form B: Prices, the City may determine the unit price by dividing the Amount (extended price) by the approximate quantity, for the purposes of evaluation and payment.

B17.4.2 Where MRST is shown on Form B as a separate line item, if that Line item is not completed, the MRST shall be considered to be included in the Total Bid Price.

B17.4.3 Bidders are advised that the calculation indicated in B17.4 will prevail over the Total Bid Price entered in MERX.

B18. AWARD OF CONTRACT

B18.1 The City will give notice of the award of the Contract or will give notice that no award will be made.

B18.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be qualified, and the Bids are determined to be responsive.

B18.2.1 Without limiting the generality of B18.2, 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 their 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.

B18.3 Where an award of Contract is made by the City, the award shall be made to the qualified Bidder submitting the lowest evaluated responsive Bid, in accordance with B17.

B18.3.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of their Bid upon written request to the Contract Administrator.

PART C - GENERAL CONDITIONS

C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for Construction* (Revision 2025-11-01) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for Construction* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Purchasing Division website at http://www.winnipeg.ca/matmgt/gen_cond.stm
- C0.2 A reference in the Tender to a section, clause or subclause with the prefix “C” designates a section, clause or subclause in the *General Conditions for Construction*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

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

D2. SCOPE OF WORK

D2.1 The Work to be done under the Contract shall consist of:

(a) Concrete Rubblization

- (i) St. Mary's Road (**South Section**) – Chrypko Drive to Paul Boulevard
- (ii) Old St. Mary's Road (**North Section**) – Viking Road to Seniuk Road

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

(a) Concrete Rubblization

- (i) Removal of existing culverts
- (ii) Installation of new CSP culverts
- (iii) Clay capping for slopes of new cross-culverts (0.3m thick).
- (iv) Ditch Excavation (segments of ditch bottom width will vary from 1.0m, 1.5m and 2.0m)
- (v) Ditch Grading
- (vi) Preparation of existing road surface (side streets)
- (vii) Milling of existing asphalt (50mm average)
- (viii) Rubblization of existing concrete pavement
- (ix) Placement of geo-grid
- (x) Placement of granular A base course
- (xi) Placement of SP asphalt in three lifts on the main line
- (xii) Restoration of private approaches (asphalt, concrete and granular)
- (xiii) Maintenance of Forbes Road and other granular Local Streets (surface preparation and limestone surfacing material)
- (xiv) Placement and maintenance of Variable Message Signs (VMS)
- (xv) Sodding of private lawns
- (xvi) Hydro-seeding of ditches

D3. CONTRACT ADMINISTRATOR

D3.1 The Contract Administrator is WSP Canada, represented by:

Scott Suderman, P.Eng.
Senior Project Manager

Telephone No. 204 782-7189 Email Address scott.suderman@wsp.com

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

D4. CONTRACTOR'S SUPERVISOR

- D4.1 At the pre-construction meeting, the Contractor shall identify their designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.
- D4.2 At least two (2) Business Days prior to the commencement of any Work on the site, the Contractor shall provide the Contract Administrator with a phone number where the supervisor identified in D4.1 or an alternate can be contacted twenty-four (24) hours a day to respond to an emergency.

D5. FURNISHING OF DOCUMENTS

- D5.1 Upon award of the Contract, the Contractor will be provided with 'issued for construction' Contract Documents electronically, including Drawings in PDF format only.

SUBMISSIONS

D6. AUTHORITY TO CARRY ON BUSINESS

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

D7. SAFE WORK PLAN

- D7.1 The Contractor shall provide the Contract Administrator with a Safe Work Plan at least five (5) Business Days prior to the commencement of any Work on the Site.
- D7.2 The Safe Work Plan shall be prepared and submitted in the format shown in the City's template which is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Purchasing Division website at <http://www.winnipeg.ca/matmgt/safety/default.stm>
- D7.3 Notwithstanding B12.4 at any time during the term of the Contract, the City may, at their sole discretion and acting reasonably, require an updated COR Certificate or Annual Letter of good Standing. A Contractor, who fails to provide a satisfactory COR Certificate or Annual Letter of good Standing, will not be permitted to continue to perform any Work.

D8. INSURANCE

- D8.1 The Contractor shall provide and maintain the insurance coverage:
- (a) commercial general liability insurance, in the amount of at least five million dollars (\$5,000,000.00) inclusive, with The City of Winnipeg, Manitoba, its Ministers, officers, employees and agents added as an additional insured, with a cross-liability clause, contractual liability, unlicensed motor vehicle liability (contractor's equipment), non-owned automobile liability, sudden and accidental pollution liability coverage and products and completed operations endorsement, to remain in place at all times during the performance of the Work and throughout the Warranty period;
 - (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 Work. The Limit of Liability shall not be less than \$5,000,000 inclusive for loss or damage including personal injuries and death resulting from any one accident or occurrence;
 - (c) Contractor's Pollution Liability insurance not less than in the amount of one million dollars (1,000,000) per occurrence and one million dollars (1,000,000) annual aggregate insuring

against claims covering third party injury and property damage and including clean up costs and transported cargo and a result of pollution conditions arising suddenly or gradually from the Contractors operations and completed operations. Such policy to include The City as an additional insured and shall remain in place throughout the warranty period.

- (d) all risks Installation Floater carrying adequate limits to cover supplies and/or materials intended to enter into and form part of any installation.
- (e) Property insurance for all mobile offices, portable toilets, machinery and equipment

D8.2 Deductibles shall be borne by the Contractor.

D8.3 All policies shall be taken out with insurers licensed to carry on business in the Province of Manitoba.

D8.4 All subcontractors performing work on the Project shall provide the Contractor with evidence of insurance as outlined in D2.1 (a) and (b) and be registered with Workers Compensation Board of Manitoba and maintain insurance and workers compensation coverage throughout the performance of the Work. The contractor shall provide the Contract Administrator with evidence of the same prior to the commencement of any Work by the Subcontractors.

D8.5 The Contractor shall provide:

- (a) The certificate of insurance, in a form satisfactory to the Supervisor of Insurance, to:

The City of Winnipeg
Risk Management
Insurance Section
185 King Street, 3rd Floor
Winnipeg, MB R3B 1J1

- (b) The Contract Administrator with a copy of the certificate of insurance.

At least two (2) Business Days of notification of the award of the Contract prior to the commencement of any Work on the Site.

D8.6 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the Supervisor of Insurance.

D9. CONTRACT SECURITY

D9.1 The Contractor shall provide and maintain the performance bond and the labour and material payment bond until the expiration of the warranty period in the form of:

- (a) a performance bond of a company registered to conduct the business of a surety in Manitoba, in the amount of fifty percent (50%) of the Contract Price; and
- (b) labour and material payment bond of a company registered to conduct the business of a surety in Manitoba, in an amount equal to fifty percent (50%) of the Contract Price.

D9.1.1 Bonds are available at:

- (a) Performance Bond <https://www.winnipeg.ca/media/4928/>
 - (i) Performance Bond – Schedule A - Form of Notice
<https://www.winnipeg.ca/media/4831/>
 - (ii) Performance Bond – Schedule B – Surety’s Acknowledgement
<https://www.winnipeg.ca/media/4832/>
 - (iii) Performance Bond – Schedule C – Surety’s Position
<https://www.winnipeg.ca/media/4833/>
- (b) Labour & Material Payment Bond <https://www.winnipeg.ca/media/4930/>

- (i) L&M Bond – Schedule A – Notice of Claim
<https://www.winnipeg.ca/media/4834/>
- (ii) L&M Bond – Schedule B – Acknowledgement of a Notice
<https://www.winnipeg.ca/media/4835/>
- (iii) L&M Bond – Schedule C – Surety's Position
<https://www.winnipeg.ca/media/4836/>

D9.1.2 Where the contract security is a performance bond, it may be submitted in hard copy or digital format. If submitted in digital format the contract security must meet the following criteria:

- (a) the version submitted by the Contractor must have valid digital signatures and seals;
- (b) the version submitted by the Contractor must be verifiable by the City with respect to the totality and wholeness of the bond form, including: the content; all digital signatures and digital seals; with the surety company, or an approved verification service provider of the surety company.
- (c) the version submitted must be viewable, printable and storable in standard electronic file formats compatible with the City, and in a single file. Allowable formats include pdf.
- (d) the verification may be conducted by the City immediately or at any time during the life of the bond and at the discretion of the City with no requirement for passwords or fees.
- (e) the results of the verification must provide a clear, immediate and printable indication of pass or fail regarding D9.1(b).

D9.1.3 Digital bonds failing the verification process will not be considered to be valid and may be determined to be an event of default in accordance with C18.1. If a digital bond fails the verification process, the Contractor may provide a replacement bond (in hard copy or digital format) within seven (7) Calendar Days of the City's request or within such greater period of time as the City in their discretion, exercised reasonably, allows.

D9.1.4 Digital bonds passing the verification process will be treated as original and authentic.

D9.2 The Contractor shall provide:

- (a) the required Contract Security to:

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

- (b) The Contract Administrator with copies of the required Contract Security.

within seven (7) Calendar Days of notification of the award of the Contract and prior to the commencement of any Work on the Site.

D9.3 The Contractor shall, as soon as practicable after entering into a contract with a Subcontractor:

- (a) give the Subcontractor written notice of the existence of the labour and material payment bond in D9.1(b); and
- (b) post a notice of the bond and/or a copy of that bond in a conspicuous location at the Site of the Work.

D10. SUBCONTRACTOR LIST

D10.1 The Contractor shall provide the Contract Administrator with a complete list of the Subcontractors whom the Contractor proposes to engage (Form J: Subcontractor List) at or prior to a pre-construction meeting, or at least ten (10) Business Days prior to the commencement of any Work on the Site.

D11. EQUIPMENT LIST

D11.1 The Contractor shall provide the Contract Administrator with a complete list of the equipment which the Contractor proposes to utilize (Form K: Equipment List) at or prior to a pre-construction meeting, or at least ten (10) Business Days prior to the commencement of any Work on the Site.

D12. DETAILED WORK SCHEDULE

D12.1 The Contractor shall provide the Contract Administrator with a detailed work schedule at least ten (10) Business Days prior to the commencement of any Work on the Site.

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

- (a) a Gantt chart for the Work based on the C.P.M. schedule;
 - (b) South Section separated from the North Section
- all acceptable to the Contract Administrator.

SCHEDULE OF WORK

D13. COMMENCEMENT

D13.1 The Contractor shall not commence any Work until they are in receipt of an award letter from the Award Authority authorizing the commencement of the Work.

D13.2 The Contractor shall not commence any Work on the Site until:

- (a) the Contract Administrator has confirmed receipt and approval of:
 - (i) evidence of authority to carry on business specified in D6;
 - (ii) evidence of the workers compensation coverage specified in C6.17;
 - (iii) the twenty-four (24) hour emergency response phone number specified in D4.2.
 - (iv) the Safe Work Plan specified in D7;
 - (v) evidence of the insurance specified in D8;
 - (vi) evidence of the contract security specified in D9;
 - (vii) the subcontractor list specified in D10;
 - (viii) the equipment list specified in D11;
 - (ix) the detailed work schedule specified in D12; and
 - (x) the direct deposit application form specified in C12.20.
- (b) the Contractor has attended a pre-construction meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a pre-construction meeting.

D13.3 The Contractor shall not commence the Work on the Site before June 1st, 2026, and shall commence the Work on Site no later than June 5th, 2026, as directed by the Contract Administrator and weather permitting.

D14. WORKING DAYS

D14.1 Further to C1.1(xx);

D14.1.1 The Contract Administrator will determine daily if a Working Day has elapsed and will record their assessment. On a weekly basis the Contract Administrator will provide the Contractor with a record of the Working Days assessed for the preceding week. The Contractor shall sign each report signifying that they agree with the Contract Administrator's determination of the Working Days assessed for the report period.

D14.1.2 Work done to restore the Site to a condition suitable for Work, shall not be considered "work" as defined in the definition of a Working Day.

D14.1.3 When the Work includes two or more major types of Work that can be performed under different atmospheric conditions, the Contract Administrator shall consider all major types of Work in determining whether the Contractor was able to work in assessing Working Days.

D15. WORK BY OTHERS

D15.1 Further to C6.26, the Contractor's attention is directed to the fact that other Contractors, the personnel of Utilities and the staff of the City may be working within the project limit, approach roadway, adjacent roadways or right-of-way. The activities of these agencies may coincide with the Contractor's execution of work and it will be the Contractor's responsibility to cooperate to the fullest extent with other personnel working in the area, and such cooperation is an obligation of the Contractor under the terms of Contract.

D15.2 Work by others on or near the Site will include but not necessarily be limited to:

- (a) City of Winnipeg Traffic Services – The City will provide, install and maintain detour related signage outside of the work zone. The Contractor will provide, install and maintain the Designated Work Zone signage and up to three electronic variable message signs.
- (b) Manitoba Transportation and Infrastructure (MTI)– The floodway bridge will be closed for major rehabilitation.

D15.3 Further to D15.1 the Contractor shall cooperate and coordinate all activities with all parties performing required Work by Others. The Contractor must include and accommodate Work by Others identified in D15.2 or additional parties, in their construction schedule as per D12 and accommodate the necessary area on Site required for the Work by Others to complete the Work.

D16. SEQUENCE OF WORK

D16.1 Further to C6.1, the sequence of work shall be as follows:

D16.2 The Contractor shall sequence the works as shown in the Contract Drawings.

D16.3 The Contractor shall commence work on the south section first.

D16.4 The Contract cannot commence work on the north section until the south section ditch and culvert works are complete.

D16.5 Top lifts of mainline asphalt are to be completed during the evening and overnight. The Contractor shall maintain two-way traffic until 6pm during these periods. The Contract Administrator will not provide service to the Contractor during the day during these time periods.

D16.6 Topsoil and seed are to be placed prior to second lift of asphalt.

D16.7 The Contractor shall provide granular ramping to maintain access with no steep drop-offs.

D17. CRITICAL STAGES

- D17.1 The Contractor shall achieve critical stages of the Work in accordance with the following requirements:
- (a) Critical Stage 1 – The Contractor must complete the south section within sixty (60) consecutive Working Days.
 - (b) Critical Stage 2 – The Contractor will only be permitted to have the South Section as a one lane, one-way for public traffic to a maximum of Thirty-Five (35) consecutive Working Days.
- D17.2 When the Contractor considers the Work associated with Critical Stage to be completed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Completion. 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 re-inspected.
- D17.3 The date on which the Critical Stage Work has been accepted by the Contract Administrator as being completed to the requirements of the Contract is the date on which completion of Critical Stage has been achieved.

D18. SUBSTANTIAL PERFORMANCE

- D18.1 The Contractor shall achieve Substantial Performance within Eighty-Five (85) consecutive Working Days of the commencement of the Work as specified in D13.
- D18.2 When the Contractor considers the Work to be substantially performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Substantial Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be re-inspected.
- D18.3 The date on which the Work has been certified by the Contract Administrator as being substantially performed to the requirements of the Contract through the issue of a certificate of Substantial Performance is the date on which Substantial Performance has been achieved.

D19. TOTAL PERFORMANCE

- D19.1 The Contractor shall achieve Total Performance within Ninety (90) consecutive Working Days of the commencement of the Work as specified in D13.
- D19.2 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 re-inspected.
- D19.3 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.

D20. LIQUIDATED DAMAGES

- D20.1 If the Contractor fails to achieve Substantial Performance or Total Performance in accordance with the Contract by the days fixed herein for same, the Contractor shall pay the City the following amounts per Working Day for each and every Working Day following the days fixed herein for same during which such failure continues:
- (a) Critical Stage 1 South Section Completion – One Thousand Five Hundred dollars (\$1500);

- (b) Critical Stage 2 South Section One-Way Section Working Window – One Thousand Five Hundred dollars (\$1500);
- (c) Substantial Performance – Four Thousand Five Hundred dollars (\$4500);
- (d) Total Performance – One Thousand dollars (\$1000).

D20.2 The amounts specified for liquidated damages in D20.1 are based on a genuine pre-estimate of the City's losses in the event that the Contractor does not achieve critical stages, Substantial Performance or Total Performance by the days fixed herein for same.

D20.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D21. SCHEDULED MAINTENANCE

D21.1 The Contractor shall perform the following scheduled maintenance in the manner and within the time periods required by the Specifications:

- (a) Seed Maintenance as specified in CW 3520;
- (b) Reflective Crack Maintenance as specified in CW 3250.

D21.2 Determination of Substantial Performance and Total Performance shall be exclusive of scheduled maintenance identified herein. All scheduled maintenance shall be completed prior to the expiration of the warranty period. Where the scheduled maintenance cannot be completed during the warranty period, the warranty period shall be extended for such period of time as it takes the Contractor to complete the scheduled maintenance.

CONTROL OF WORK

D22. JOB MEETINGS

D22.1 Regular weekly job meetings will be held at Site. These meetings shall be attended by a minimum of one representative of the Contract Administrator, the City and one representative of the Contractor. Each representative shall be a responsible person capable of expressing the position of the Contract Administrator, the City and the Contractor respectively on any matter discussed at the meeting including the Work schedule and the need to make any revisions to the Work schedule. The progress of the Work will be reviewed at each of these meetings.

D22.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever they deem it necessary.

D23. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

D23.1 Further to C6.27, 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).

D24. THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA) – QUALIFICATIONS

D24.1 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 their sole discretion and acting reasonably, require updated proof of compliance, as set out in B12.4.

D25. FUEL PRICE ADJUSTMENT

D25.1 The Contract is subject to a fuel price adjustment which will be calculated monthly based on eligible Work completed utilizing the following mathematical formulas;

- (a) where the price of fuel has increased - $((CFI/BFI)-1.15) \times Q \times FF$; and
- (b) where the price of fuel has decreased - $((CFI/BFI)-0.85) \times Q \times FF$; where
 - (i) BFI = base fuel index
 - (ii) CFI = current fuel index
 - (iii) FF = fuel factor
 - (iv) Q = monetary value of Work applied in the calculation.

D25.1.1 Eligible Work will be determined in accordance with D25.5.

D25.1.2 The base fuel index (BFI) will be the retail price of fuel identified on the Submission Deadline based on latest published "Monthly average retail prices for gasoline and fuel by geography" for Winnipeg, published by [Statistics Canada, Table 18-10-0001-01](#). The BFI is a blended rate based on 15% regular unleaded gasoline at self-service filling stations and 85% diesel fuel at self-service filling stations.

D25.1.3 The current fuel index (CFI) based on the above blended rate will be determined for each monthly progress estimate and applied on the following progress estimate as a change order once rates are published by Statistics Canada.

D25.1.4 A Fuel Factor (FF) rate of the monetary value of all eligible Work completed that month based on the Contract unit prices will be used to calculate the assumed apportioned cost of fuel.

D25.2 Fuel cost adjustments may result in additional payment to the Contractor or credit to the City within the Contract by way of a monthly change order.

D25.3 The fuel escalation or de-escalation adjustment will not be applied if the CFI is within $\pm 15\%$ of the BFI.

D25.4 Fuel escalation adjustments will not be considered beyond the Substantial Performance/Critical Stages except where those dates/Working Days are adjusted by change order. Fuel de-escalation adjustments will apply for Work that extends beyond the dates/Working Days specified for Substantial Performance/Critical Stages.

D25.5 The Fuel Factor (FF) rates will be set as follows:

- (a) The Fuel Factor rate shall be set at 2.7% of the monetary value of all Work based on unit prices except for the portions of the Contract.

WARRANTY

D26. WARRANTY

D26.1 Notwithstanding C13.2, the warranty period shall begin on the date of Total Performance and shall expire two (2) years thereafter unless extended pursuant to C13.2.1 or C13.2.2, in which case it shall expire when provided for thereunder.

D27. FUNDING AND/OR CONTRIBUTION AGREEMENT OBLIGATIONS

D27.1 Funding for the Work of the Contract is being provided to the City of Winnipeg by the Government of Manitoba and/or the Government of Canada and the applicable terms of C24 shall apply.

INDEMNITY

D28. INDEMNITY

D28.1 Indemnity shall be as stated in C17.

FORM J: SUBCONTRACTOR LIST
(See D10)

ST. MARY'S ROAD (SOUTH) PAVEMENT RENEWAL – CONCRETE RUBBLIZATION

<u>Portion of the Work</u>	<u>Name</u>	<u>Address</u>
SURFACE WORKS		
<u>Supply of Materials</u>		
Base course		
Asphalt		
Geo-grid		
Concrete		
Culverts		
Hydro-seed		
Variable Message Signs		
<u>Installation and Placement</u>		
Ditch Excavation and Grading		
Base course		
Asphalt		
Milling		
Rubblization		
Concrete		
Culverts		
Hydro-seed and Sod		
Crack Sealing		

FORM K: EQUIPMENT
(See D11)

ST. MARY'S ROAD (SOUTH) PAVEMENT RENEWAL – CONCRETE RUBBLIZATION

<p>1. Category/type:</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>2. Category/type:</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>3. Category/type:</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>

FORM K: EQUIPMENT
(See D11)

ST. MARY'S ROAD (SOUTH) PAVEMENT RENEWAL – CONCRETE RUBBLIZATION

<p>4. Category/type:</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>5. Category/type:</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>6. Category/type:</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>

PART E - SPECIFICATIONS

GENERAL

E1. APPLICABLE SPECIFICATIONS AND DRAWINGS

- E1.1 These Specifications shall apply to the Work.
- E1.2 *The City of Winnipeg Standard Construction Specifications* in their entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.2.1 *The City of Winnipeg Standard Construction Specifications* is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Purchasing Division website at <http://www.winnipeg.ca/matmgt/Spec/Default.stm>
- E1.2.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- E1.2.3 Further to C2.4(d), Specifications included in the Tender shall govern over *The City of Winnipeg Standard Construction Specifications*.
- 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. In every instance where a brand name or design specification is used, the City will also consider approved equals and/or approved alternatives in accordance with B6.
- E1.4 The following are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>	<u>Drawing (Original) Sheet Size</u>
	Cover Sheet	A1
P-3600-01	St. Mary's Road (South) Plan and Profile STA. 1+03.52 to STA. 3+65	A1
P-3600-02	St. Mary's Road (South) Plan and Profile STA. 3+65 to STA. 6+65	A1
P-3600-03	St. Mary's Road (South) Plan and Profile STA. 6+65 to STA. 9+70	A1
P-3600-04	St. Mary's Road (South) Plan and Profile STA. 9+70 to STA. 12+80	A1
P-3600-05	St. Mary's Road (South) Plan and Profile STA. 12+80 to STA. 15+40	A1
P-3600-06	St. Mary's Road (North) Plan and Profile STA. 1+00 to STA. 3+55	A1
P-3600-07	St. Mary's Road (North) Plan and Profile STA. 3+55 to STA. 6+80	A1
P-3600-08	St. Mary's Road (North) Plan and Profile STA. 6+80 to STA. 9+90	A1
P-3600-09	St. Mary's Road (North) Plan and Profile STA. 9+90 to STA. 13+15	A1
P-3600-10	St. Mary's Road (North) Plan and Profile STA. 13+15 to STA. 16+40	A1
P-3600-11	St. Mary's Road (North) Plan and Profile STA. 16+40 to STA. 18+51.54	A1
P-3600-12	St. Mary's Road (Ditch Grading) Plan and Profile STA. 15+06.49 to STA. 17+10	A1
P-3600-13	St. Mary's Road (Ditch Grading) Plan and Profile STA. 17+10 to STA. 18+67.95	A1
P-3600-14	St. Mary's Road (Ditch Grading) Plan	A1
P-3600-15	St. Mary's Road Cross-Sections and Details	A1
P-3600-16	St. Mary's Road Staging & Temporary Traffic Signage	A1
P-3600-17	St. Mary's Road Staging & Temporary Traffic Signage	A1

E2. MOBILIZATION AND DEMOBILIZATION PAYMENT

DESCRIPTION

- E2.1 This Specification shall cover all operations relating to the mobilization and demobilization of the Contractor to the project location(s).

E2.2 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all Works as hereinafter specified.

E2.3 The inclusion of a payment item for the Work under this Specification shall not release or reduce the responsibilities of the Contractor under any other specification in this Contract.

SCOPE OF WORK

E2.4 Further to C12 of the General Conditions, where Mobilization and Demobilization is included as a bid item, it shall consist of the following, as applicable:

(a) Mobilization shall include, but not be limited to:

- (i) All activities and associated costs for transportation of the Contractor's personnel, equipment, and operating supplies to the site, and/or sites, and/or between sites;
- (ii) Establishment of offices, buildings, other necessary general facilities and equipment parking/staging areas for the Contractor's operations at the site or sites;
- (iii) Premiums paid for performance and payment bonds including coinsurance and reinsurance agreements as applicable;
- (iv) General cleanup and housekeeping needed maintain a neat and orderly project site(s);
- (v) Other job related items.

(b) Demobilization shall include, but not be limited to:

- (i) All activities and costs for transportation of personnel, equipment, and supplies not used in the project from the site, and/or sites, and/or between sites;
- (ii) Disassembly, removal, and site cleanup and restoration of offices, buildings, and other facilities assembled on the site and/or sites;
- (iii) Repair of access roads, temporary haul roads, and equipment parking areas leaving the project site in the same or better condition than at the start of the project;
- (iv) General cleanup and housekeeping needed to restore a neat and orderly project site.

E2.5 Access to the site, equipment parking, and staging areas are limited to that shown on the drawings or as approved by the Contract Administrator.

MEASUREMENT AND PAYMENT

E2.6 The lump-sum price for the Mobilization and Demobilization bid item shall not exceed five percent (5.00%) of the total bid price for the Contract.

E2.6.1 Further to B9, B17, C12 and E2.6, should the lump sum price exceed 5% of the Total Bid Price the lump sum price will be reduced to 5% of the Total Bid Price, the Total Bid Price will be determined using the reduced lump sum price and payment will be based on the reduced lump sum price.

E2.7 Payment for Mobilization:

- (a) 60% of the lump-sum price will be paid to the contractor for Mobilization on the first Progress Estimate for the Contract.

E2.8 Payment for Demobilization:

- (a) The remaining 40% of the lump-sum price will be paid upon:
 - (i) Restoration of the site and/or sites to the satisfaction of the Contract Administrator;
 - (ii) Distribution of the Declaration of Total Performance.

E2.9 Mobilization and Demobilization will be paid only once (to a maximum of 100%), regardless of the number of times the Contractor mobilizes to the site and/or sites.

E3. GEOTECHNICAL REPORT

E3.1 Further to C3.1, the geotechnical report is provided to aid the Contractor's evaluation of the pavement structure and/or existing soil conditions. The geotechnical report is contained in Appendix 'A'.

E4. OFFICE FACILITIES

E4.1 The Contractor shall supply office facilities meeting the following requirements:

- (a) The field office shall be for the exclusive use of the Contract Administrator.
- (b) The building shall be conveniently located near the site of the Work at a location agreed to by the Contract Administrator.
- (c) Three keys shall be provided for the Contract Administrator's use.
- (d) The building shall have a minimum floor area of 20 square metres, 2.4 with a window and a door entrance with a suitable lock.
- (e) The building shall be suitable for all weather use. It shall be equipped with an electric heater and air conditioner so that the room temperature can be maintained between either 16-18°C or 24-25°C.
- (f) The building shall be powered by a generator provided and maintained by the Contractor. Alternative power sources are to be approved by the Contract Administrator.
- (g) The building shall be adequately lighted with fluorescent fixtures and have a minimum of three wall outlets.
- (h) The office shall allow clear reception of a cell phone within the office with the door closed.
- (i) The building shall be furnished with one desk, table 3m x 1.2m, one four drawer legal size filing cabinet, and a minimum of 8 chairs. The chairs shall not contain fabric.
- (j) The building shall include a microwave and a small fridge.
- (k) A portable toilet shall be located near the field office building. The toilet shall have a locking door and be for the exclusive use of the Contract Administrator and other personnel from the City.
- (l) The field office building and the portable toilet shall be cleaned on a weekly basis immediately prior to each site meeting. The Contract Administrator may request additional cleaning when they deem it necessary.

E4.2 The Contractor shall be responsible for all installation and removal costs, all operating costs, and the general maintenance of the office facilities.

E4.3 The office facilities will be provided from the date of the commencement of the Work to the date of Substantial Performance.

E5. PROTECTION OF EXISTING TREES

E5.1 The Contractor shall take the following precautionary steps to prevent damage from construction activities to existing boulevard trees within the limits of the construction area:

- (a) The Contractor shall not stockpile materials and soil or park vehicles and equipment on boulevards within 2 metres of trees.
- (b) Trees identified to be at risk by the Contract Administrator are to be strapped with 25 x 100 x 2400mm wood planks, or suitably protected as approved by the Contract Administrator.
- (c) Excavation shall be performed in a manner that minimizes damage to the existing root systems. Where possible, excavation shall be carried out such that the edge of the excavation shall be a minimum of 1.5 times the diameter (measured in inches), with the outcome read in feet, from the closest edge of the trunk. Where roots must be cut to facilitate excavation, they shall be pruned neatly at the face of excavation.

- (d) Operation of equipment within the dripline of the trees shall be kept to the minimum required to perform the work required. Equipment shall not be parked, repaired, refuelled; construction materials shall not be stored, and earth materials shall not be stockpiled within the driplines of trees. The dripline of a tree shall be considered to be the ground surface directly beneath the tips of its outermost branches. The Contractor shall ensure that the operations do not cause flooding or sediment deposition on areas where trees are located.
- (e) Work on-site shall be carried out in such a manner so as to minimize damage to existing tree branches. Where damage to branches does occur, they shall be neatly pruned.

E5.2 All damage to existing trees caused by the Contractor's activities shall be repaired to the requirements and satisfaction of the Contract Administrator and the City Forester or their designate.

E5.3 No separate measurement or payment will be made for the protection of trees.

E5.4 Except as required in E5.1(c) and E5.1(e), Elm trees shall not be pruned at any time between April 1 and July 31.

E6. TRAFFIC CONTROL

E6.1 Further to 3.6, 3.7 and 3.8 of CW 1130:

- (a) Where directed by the Contract Administrator, the Contractor shall construct and maintain temporary asphalt ramps to alleviate vertical pavement obstructions such as manholes and planing drop-offs to the satisfaction of the Contract Administrator. Payment shall be in accordance with CW3410.
- (b) In accordance with the Manual of Temporary Traffic Control on City Streets (MTTC), the Contractor ("Construction Agency" in the Manual) shall be responsible for placing, maintaining and removing the appropriate temporary traffic control devices as specified by the MTTC, the Contract Drawings, Staging Plans and Traffic Management Plans or by the Traffic Management Branch of the City of Winnipeg Public Works Department. The Contractor shall bear all costs associated with the placement of temporary traffic control devices by their own forces or Subcontractor.
- (c) In addition, the Contractor shall be responsible for **supplying**, removing, placing and maintaining all regulatory signing including but not limited to:
 - (i) Parking restrictions;
 - (ii) Stopping restrictions;
 - (iii) Turn restrictions;
 - (iv) Diamond lane removal;
 - (v) Full or directional closures on a Regional Street;
 - (vi) Traffic routed across a median;
 - (vii) Full or directional closure of a non-regional street where there is a requirement for regulatory signs (turn restrictions, bus stop relocations, etc.) to implement the closure.
- (d) The Contractor shall remove and stockpile any regulatory signage not required during construction such as, but not limited to, parking restrictions, turn restrictions and loading restrictions.

E6.2 Upon request from the Contract Administrator, the Contractor shall provide records demonstrating that the site has been maintained.

E6.3 Further to E6.1(c) and E6.1(d) the Contractor shall make arrangements with the Traffic Services Branch of the City of Winnipeg to reinstall the permanent regulatory signs after the Contract

Work is complete. The Contractor shall make arrangements to drop off the stockpiled materials to Traffic Services at 495 Archibald Street.

E6.4 Any changes to the approved Traffic Management Plan must be submitted to the Contract Administrator a minimum of five (5) Working Days prior to the required change for approval.

E6.4.1 Two weeks notice is required for changes related to Designated Construction Zones, and Regional Road directional or full closures.

E6.5 If the Contract Administrator determines that the Contractor is not performing Traffic Control in accordance with this specification, Traffic Services may be engaged to perform the Traffic Control. In this event the Contractor shall bear costs charged to the project by the Traffic Services Branch of the City of Winnipeg in connection with the required Works.

E7. TRAFFIC MANAGEMENT

E7.1 Further to 3.7 of CW 1130:

E7.1.1 Traffic flow is to be maintained as per the Contract Drawings.

- (i) Maintain two-way traffic flow during culverts and ditch works.
- (ii) Maintain one-way traffic flow in the southbound direction during road works.
- (iii) Maintain two-way traffic during the daytime during the periods where second and third lifts of asphalt are being placed.

E7.1.2 Flag persons may be necessary to maintain the flow of traffic during certain work operations.

E7.1.3 Private approaches and private access shall be maintained at all times. Should the Contractor be unable to maintain vehicular access to a residence or business, they shall review the planned disruption with the business or residence and the Contract Administrator, and take reasonable measures to minimize the impact. The Contractor shall provide a minimum of 24 hours notification to the affected residence or business and the Contract Administrator, prior to disruption of access.

- (i) The Contractor is responsible to talk with each resident and business and arrange timing for the private approach culvert replacements. The Contractor is responsible to provide any short-term requirements for residents with accessibility requirements.

E7.1.4 Ambulance/emergency vehicle access must be maintained at all times.

E7.1.5 The Contractor is required to provide notices to the residents 48 hours before any closures required for asphalt paving.

E7.1.6 Flag person signage is to be in place when a flag person is present, and only when they are present.

E7.1.7 The Contractor to present a general truck route plan for hauling to and from the Site.

E8. REFUSE AND RECYCLING COLLECTION

E8.1 While access to refuse and/or recycling collection vehicles is restricted, on collection day(s) the Contractor shall move all of the affected property owners refuse and/or recycling materials to a nearby common area, prior to an established time, in accordance with E8.2 to permit the normal collection vehicles to collect the materials. Immediately following recycling collection the Contractor shall return recycling receptacles to the addresses marked on the receptacles.

E8.2 Collection Schedule:

St. Mary's Road North and South Section

Collection Day(s): **Fridays**

Collection Time: **TBD**

Common Collection Area: **TBD**

E8.3 No measurement or payment will be made for the work associated with this specification.

E9. WATER OBTAINED FROM THE CITY

E9.1 Further to 3.7 of CW 1120, the Contractor shall pay for all costs, including sewer charges, associated with obtaining water from the City in accordance with the Waterworks and Sewer By-laws.

E10. SURFACE RESTORATIONS

E10.1 Further to 3.3 of CW 1130, when Total Performance is not achieved in the year the Contract is commenced, the Contractor shall temporarily repair any Work commenced and not completed to the satisfaction of the Contract Administrator. The Contractor shall maintain the temporary repairs in a safe condition as determined by the Contract Administrator until permanent repairs are completed. The Contractor shall bear all costs associated with temporary repairs and their maintenance.

E11. INFRASTRUCTURE SIGNS

E11.1 The Contractor shall obtain infrastructure signs from the Traffic Services Sign Shop at 495 Archibald Street. The Contractor shall mount each sign securely to a rigid backing material approved by the Contract Administrator. The Contractor shall fasten each sign to a suitable support and erect and maintain one sign at each street as directed by the Contract Administrator. When the Contract Administrator considers the Work on the street complete, the Contractor shall remove and dispose of the signs and supports. No measurement for payment will be made for performing all operations herein described and all other items incidental to the work described

E12. HYDRO SEED

DESCRIPTION

E12.1 Further to CW3520 this Specification covers the seed mix type and payment.

MATERIALS

E12.2 The seed mix shall be:

Seventy percent (70%) Fults or Nuttall's Alkaligrass (*Puccinellia* spp.)
Twenty percent (20%) Audubon or Aberdeen Creeping Red Fescue
Ten percent (10%) Perennial Ryegrass.

EQUIPMENT

E12.3 Scarification equipment shall be suitable for the area being scarified, shall be capable of scarifying the sub-grade to the specified depth and shall be accepted by the Contract Administrator. For confined areas a toothed bucket may be acceptable. For larger areas tilling equipment may be required.

CONSTRUCTION METHODS

E12.4 Preparation of Existing Grade

- E12.4.1 Prior to placing topsoil, in areas to be seeded greater in width than 600mm, prepare the existing sub-grade by scarifying to a minimum depth of 75mm and to a maximum depth of 100mm to the satisfaction of the Contract Administrator.
- E12.4.2 Scarification shall consist of breaking up and loosening the sub-grade.

MEASUREMENT AND PAYMENT

- E12.5 Supply, placement and maintenance of Hydro Seed will be paid for at the Contract Unit Price per square metre for "Hydro Seed", measured as specified herein, which price shall be payment in full for supplying all materials and for completing all operations herein described and all other items incidental to the work included in this Specification. Payment for Hydro Seeding shall be in accordance with the following:
- (a) Fifty (50%) percent of quantity following supply and placement.
 - (b) Remaining Fifty (50%) percent of quantity following termination of the Maintenance Period.

E13. TEMPORARY ELECTRONIC VARIABLE MESSAGE SIGNS

DESCRIPTION

- E13.1 This specification provides clarification on how temporary variable message signs will be paid for and the expectations for durations, movement and provision of signs.

CONSTRUCTION METHODS

- E13.2 The Contractor shall place a VMS temporarily at each of the locations directed by the Contract Administrator.
- E13.3 The Contractor shall provide three (3) VMS.
- E13.4 The Contract Administrator will provide the Contractor with the messaging to be programmed. The Contractor is to assume the message is to be changed on each board at least twice during the project duration.
- E13.5 The Contractor is to assume that each board will require one relocation per sign during the project duration.
- E13.6 If more or less than three VMS are required the unit price will be adjusted by the corresponding ratio.

MEASUREMENT AND PAYMENT

- E13.7 "Temporary Variable Message Signs" shall be paid for by the week for the rental and placement of three (3) VMS.
- E13.8 Placement, removal, reprogramming and relocations are incidental to the unit prices.
- E13.9 Costs associated with provision of VMS following the date of Substantial Completion will not be measured or paid for.
- E13.10 In the event a sign is needed for less than a week at the start of the end of the project, the measurement shall be rounded up to a whole week.

E14. CONSTRUCTION LAYOUT AND AUTOMATED GRADE CONTROL REQUIREMENTS

DESCRIPTION

- E14.1 This specification describes what construction layout the Contract Administrator will perform for the Contractor, what electronic information will be provided to the Contractor and what construction methods are to be executed using automated grade control by the Contractor.

CONSTRUCTION METHODS

- E14.2 The Contract Administrator will provide the following;
- (a) Electronic files for the main lanes and ditches so the Contractor can produce their own surface. The surface is intended to be used for automated control with ditch excavation and placement of base course.
 - (b) Grade and alignment stakes for all culverts.
 - (c) Stationing stakes for the mainline alignment every 20m.
 - (d) Grades and limits will be painted at each tie in.
- E14.3 The Contractor Administrator will use total station equipment to check the accuracy of the automated Contractor equipment and will provide timely feedback.
- E14.4 The Contractor is to use a ski for asphalt paving. Grades will be painted on the prepared surfaces prior to asphaltting and between lifts.
- E14.5 The Contractor shall use a stringline to aid in painting out the edges of asphalt to be paved for each lift.

MEASUREMENT AND PAYMENT

- E14.6 Automated grade control setup and execution is incidental to the Contractor's work and no measurement or payment will be made.

E15. ASPHALT PAVEMENT WORKS – SPECIAL PROVISION

- E15.1 Appendix "B" – 2026 Asphalt Pavement Works shall replace the City of Winnipeg Standard Construction Specification CW 3410 – Asphaltic Concrete Pavement Works for the Tender.

E16. ASPHALT PLACEMENT

DESCRIPTION

- E16.1 This specification provides additional direction on finishing the longitudinal asphalt joints and other details on asphalt placement for clarity.
- E16.2 The intention of this specification is to use machines and procedures that reduce the magnitude for longitudinal cold joints constructed on the project.

CONSTRUCTION METHODS

- E16.3 The Contractor's asphalt paving machine is to be capable of paving up to 5.7m wide.
- E16.4 Top two asphalt lifts shall be echelon paved.
- E16.5 Top two lifts shall be paved at night, after 9:00 PM and completed before 6:00 AM.
- E16.6 Bottom lifts shall be saw-cut back at least 150mm for paving lane at a time of the bottom lift.
- E16.7 String lines shall be placed on the ground to facilitate paving in a straight line.
- E16.8 Each lift shall be at least 75mm wider than the next lift on the exterior.
- E16.9 The Contractor's Asphalt Superintendent shall meet with the Contract Administrator on site at least two days prior to paving to discuss the paving plan which includes truck access, direction of paving, application of tack/prime coat, volume of anticipated asphalt for the next paving operations, finishing details and paving width.

E16.10 Edges on new asphalt are to be protected with ramps. Rounded asphalt edges from temporary traffic are to be cut square prior to paving.

E16.11 Transfer machines for asphalt placement are a requirement.

MEASUREMENT AND PAYMENT

E16.12 No additional measurement or payment will be made for this work.

E17. ASPHALT SMOOTHNESS PAY ADJUSTMENT

E17.1 Surface Smoothness

E17.1.1 Smoothness will be expressed in terms of the International Roughness Index (IRI) which is the accumulated suspension motion of a car divided by the distance travelled. The IRI is calculated by applying a standardized computer algorithm to the profile data collected by an inertial profiler. The distance per section is 100m.

E17.1.2 All asphalt pavements that are excluded from the IRI assessment or any abnormal deficiencies observed by the Contract Administrator will be subject to a review. The review will be subjective and will be based on field conditions and workmanship. All corrective actions shall be the responsibility of the Contractor.

E17.1.3 Each travel lane will be measured on St. Mary's Road.

E17.1.4 Exclusions include the following:

- (i) 50m from the start and end of the project limits for North and South Sections.
- (ii) Side streets.

E17.2 Smoothness Testing Post Construction

E17.2.1 The Contractor shall be responsible for all profile testing to meet the requirements of this contract.

E17.2.2 All testing shall be continuous and be run in the direction of the traffic. Stationing shall be provided by the Contract Administrator and for all testing.

E17.2.3 The Profiler shall be operated at optimum speed as defined by the manufacturer.

E17.2.4 All testing shall be reported in 100 metre segments complete with a summary of all dip and bump measurements and locations.

E17.2.5 The Contractor shall run the profile in both wheel paths of each individual lane and average the resulting IRI results to determine acceptance of that lane. The profiles shall be run 0.9 meters from each lane line. A guide shall be used to ensure proper alignment of the profile. The Contract Administrator will have a representative present during the entire testing period

E17.3 Definitions

- (a) International Roughness Index (IRI): Roughness measure in (mm/m)
- (b) Localized Roughness: An IRI value over a specified limit within a section length of 7.6m.
- (c) Outer Wheel Path: a longitudinal line parallel to the centerline of pavement located approximately 0.9m to 1.1m from all lane edges.
- (d) Inner Wheel Path: a longitudinal line parallel to the centerline of pavement located approximately 1.5m to 1.8m from outer wheel path.
- (e) Section: a continuous 100m length of pavement.

E17.4 Specification Limits and Pay Bonus

E17.4.1 Payments for pavement smoothness shall be paid through a Change of Work Order.

- E17.4.2 Each 100m section of the final lift will qualify for a payment if the section has an IRI less than 1.18 mm/m per 100m.
- E17.4.3 Repairs within any 100m section will disqualify that section from receiving any payments.
- E17.4.4 All pay adjustments are based on a single lane. Lanes are independent of each other for payment purposes.
- E17.4.5 Pay Adjustment for Asphalt Pavement Table

Pay Adjustment Calculations for Bituminous Pavement Smoothness		
Floating Pay Adjustment Formula	IRI (mm/m)	Pay Adjustment per \$/100m
1470-(1500xIRI)	0.78-1.18	\$300 - -\$300
Maximum Pay Adjustment	<0.78	\$500.00
Maximum Deduction	>1.18	-\$400.00

E18. RUBBLIZE CONCRETE PAVEMENT

DESCRIPTION

- E18.1 This work shall consist of rubblizing the existing 200mm thick concrete pavement.

CONSTRUCTION METHODS

- E18.2 A self-contained, self-propelled multi-head breaker shall be used to rubblize the existing concrete pavement. Hammer heads shall be mounted laterally in pairs with half the hammers in a forward row, and the remainder diagonally offset in a rear row so there is continuous pavement breaking from side to side. This equipment shall have the capability of rubblizing pavement up to 3.7 meters in width, in a single pass. Hammer drop height shall have the ability to be independently controlled.
- E18.3 A Z-pattern steel grid roller shall be used to further break and consolidate the rubblized material. The equipment shall consist of a self-contained self-propelled vibratory steel wheel roller with a Z-pattern grid cladding bolted transversely to the surface of the drum. The vibratory roller shall have a minimum gross weight of 9 tonnes and make a minimum of 6 passes to consolidate the material.
- E18.4 Any unstable material, as determined by the Contract Administrator, shall be removed and replaced with 50mm Granular A. The removed material shall be hauled off site by the Contractor. Removal of unstable material will be paid for at the unit price for "Removing Existing Rubblized Concrete". Any material used to backfill these excavations will be paid for at the applicable unit prices.
- E18.5 The Contractor shall prevent damage to underground utilities and drainage structures during rubblization. Approved alternate breaking methods shall be used over underground utilities and drainage structures, as specified on the drawings or directed by the Contract Administrator.
- E18.6 The upper half of the pavement shall be broken such that at least 75 percent of the pieces are a maximum of 75mm. The lower half of the pavement shall be broken such that at least 75 percent of the pieces shall be a maximum of 200 mm. Concrete to steel bond shall be broken.
- E18.7 Any large concrete pieces that result from inadequate breaking shall be treated as follows:
 - (a) Greater than 225mm at surface of broken pavement:
 - (i) Reduce size to under 225mm, or remove and replace.

- (b) Great than 300mm below lower half of pavement:
 - (i) Reduce side to under 300mm, or remove and replace.

- E18.8 Further to E18.6 and E18.7 the Contractor Administrator may accept a reduced magnitude of breaking such as crack and seat as an alternative if the trail sections producing rutting or unstable surface. If a crack and seat were to proceed the Contractor shall use a 50-ton rubber tie pneumatic roller. There will be no additional payment for mobilization and use of an alternate compactor in lieu of a Z-pattern steel grid roller.
- E18.9 The Contractor shall be responsible for either reducing inadequate broken pavement or for removal and replacement with Crushed Rock, 50mm Granular A. No extra payment will be made for removing inadequately broken pavement and replacing it with Crushed Rock, as this will be considered incidental to the unit price for "Rubblize Concrete Pavement".
- E18.10 Reinforcement steel shall be left in place, except that any reinforcement projecting from the surface after rubblizing or compaction shall be cut off below the surface and removed. Any loose joint fillers, expansion material, or other similar items shall also be removed.
- E18.11 Prior to the acceptance of the proposed breaking procedure, the Contractor shall complete a strip for evaluation by the Contract Administrator. To ensure the pavement is being broken to the specified dimensions; the Contractor shall excavate a broken area of 1 square meter, in two separate locations during the first day of breaking, as directed by the Contract Administrator. Modifications to the breaking procedure must be made if the size requirements are not met. These excavations may be repaired with Crushed Rock, 50mm Granular A. Additional excavations to inspect the broken pavement dimensions shall be made on a daily basis, as directed by the Contract Administrator. Payment will be made for these test sections under the respective contract unit price.
- E18.12 The Granular A base course to be placed on top of the rubblized concrete shall be constructed within 24 hours of the rubblization operation. If rain occurs between rubblizing and placement of the Granular A base, the rubblized pavement shall be dry and stable to the satisfaction of the Contract Administrator before the placement of sub-base operation begins.
- E18.13 The Contractor shall be responsible for any deterioration of the concrete and subgrade following the planning of the existing bituminous pavement as well as following the rubblization operation. It shall be the responsibility of the Contractor to schedule and monitor the work to ensure that no failures occur due to excessive moisture.

MEASUREMENT AND PAYMENT

- E18.14 The unit price per square meter for "Rubblize Concrete Pavement" will be considered as payment in full for rubblizing and grid rolling the in-place concrete pavement and for all work necessary or incidental thereto.

E19. SUPPLYING AND PLACING BASE COURSE MATERIAL

DESCRIPTION

- E19.1 This specification amends how base course is paid for. It will be paid for per tonne and not cubic metre as per CW 3110-R22

CONSTRUCTION METHODS

- E19.2 Notwithstanding CW 3110 – R22, the Contractor shall prime the granular base course layer within one (1) calendar day of the completion of top granular base course layer.

MEASUREMENT AND PAYMENT

E19.3 "Supplying and Placing Base Course Material – Base Course Material – Granular A Limestone" shall be paid for by the tonne for the supply and installation, as measured on a certified weigh scale.

E19.4 The Contractor shall provide hardcopy tickets on a weekly basis to the Contract Administrator.

E20. PREPARATION OF EXISTING ROADWAY AND SURFACING MATERIAL

DESCRIPTION

E20.1 This specification is to describe the use of these Pay Items for maintenance of Forbes Road and other granular roads in the area.

E20.2 Due to the closure of the Floodway Bridge by MTI and the traffic restrictions of this Contract, the granular local roads may see increased traffic that will require maintenance.

E20.3 The Contractor will be required to perform maintenance of these granular roads under the direction of the Contract Administrator.

E20.4 Dust Control will be completed by the City of Winnipeg.

CONSTRUCTION METHODS

E20.5 Work and materials to meet CW3150.

MEASUREMENT AND PAYMENT

E20.6 Payment will be as per CW3150 for the respective unit prices.

E20.7 The Contractor shall provide hardcopy tickets on a weekly basis to the Contract Administrator.

E21. GEOGRID

MATERIALS

E21.1 Further to CW 3135 – R2 all geo-grid on this project shall be Tensar HX145 and installed as per the manufacturer's instructions.

CONSTRUCTION METHODS

E21.2 Any significant depressions at existing joint locations shall be filled and levelled with Granular A base course prior to placement of the geogrid.