

THE CITY OF WINNIPEG

BID OPPORTUNITY

BID OPPORTUNITY NO. 157-2008

INSTALLATION OF UNDERGROUND TRAFFIC SIGNALS SERVICES AND ASSOCIATED WORKS

The City of Winnipeg Bid Opportunity No. 157-2008

Template Version: C120070404

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 INSTALLATION OF UNDERGROUND TRAFFIC SIGNALS SERVICES AND ASSOCIATED WORKS

B2. SUBMISSION DEADLINE

- B2.1 The Submission Deadline is 12:00 noon Winnipeg time, May 2, 2008.
- 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 notify the Contract Administrator of the error, discrepancy or omission, or request a clarification as to the meaning or intent of the provision at least five (5) Business Days prior to the Submission Deadline.
- B3.3 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator to all Bidders by issuing an addendum.
- B3.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator only to the Bidder who made the enquiry.
- B3.5 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B3 unless that response or interpretation is provided by the Contract Administrator in writing.

B4. ADDENDA

- B4.1 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.
- B4.2 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.
- B4.2.1 Addenda will be available on the Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.
- B4.2.2 The Bidder is responsible for ensuring that he has received all addenda and is advised to check the Materials Management Branch internet site for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B4.3 The Bidder shall acknowledge receipt of each addendum in Paragraph 10 of Form A: Bid. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.

B5. SUBSTITUTES

- B5.1 The Work is based on the Plant, Materials and methods specified in the Bid Opportunity.
- B5.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B5.3 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.
- B5.4 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.
- B5.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his 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.
- B5.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, only to the Bidder who requested approval of the substitute.
- B5.6.1 The Bidder requesting and obtaining the approval of a substitute shall be entirely responsible for disseminating information regarding the approval to any person or persons he wishes to inform.
- B5.7 If the Contract Administrator approves a substitute as an "approved equal", any Bidder may use the approved equal in place of the specified item.
- B5.8 If the Contract Administrator approves a substitute as an "approved alternative", any Bidder bidding that approved alternative may base his Total Bid Price upon the specified item but may also indicate an alternative price based upon the approved alternative. Such alternatives will be evaluated in accordance with B14.
- B5.9 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. BID COMPONENTS

- B6.1 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, or Form G2: Irrevocable Standby Letter of Credit and Undertaking, or a certified cheque or draft;
- B6.2 Further to B6.1, the Bidder should include the written correspondence from the Contract Administrator approving a substitute in accordance with B5.
- B6.3 All components of the Bid shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely, to constitute a responsive Bid.
- B6.4 The Bid shall be submitted enclosed and sealed in an envelope clearly marked with the Bid Opportunity number and the Bidder's name and address.
- B6.4.1 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.
- B6.5 Bidders are advised not to include any information/literature except as requested in accordance with B6.1.
- B6.6 Bidders are advised that inclusion of terms and conditions inconsistent with the Bid Opportunity document, including the General Conditions, may result in the Bid being determined to be non-responsive.
- B6.7 Bids submitted by facsimile transmission (fax) or internet electronic mail (e-mail) will not be accepted.
- B6.8 Bids shall be submitted to:

The City of Winnipeg Corporate Finance Department Materials Management Branch 185 King Street, Main Floor Winnipeg MB R3B 1J1

B7. BID

- B7.1 The Bidder shall complete Form A: Bid, making all required entries.
- B7.2 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 own name, his 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 own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.
- B7.2.1 If a Bid is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B7.2.
- B7.3 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.
- B7.4 Paragraph 12 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 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 and the corporate seal, if the corporation has one, should be affixed;
- (d) if the Bidder is carrying on business under a name other than his 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.
- B7.4.1 The name and official capacity of all individuals signing Form A: Bid shall be printed below such signatures.
- B7.4.2 All signatures should be witnessed, except where a corporate seal has been affixed.
- B7.5 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.

B8. PRICES

- B8.1 The Bidder shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.
- B8.2 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.
- B8.3 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. QUALIFICATION

- B9.1 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.
- B9.2 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 Branch internet site at http://www.winnipeg.ca/matmgt).
- B9.3 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);

- B9.4 Further to B9.3(c), the Bidder shall, within three (3) Business Days of a request by the Contract Administrator, provide proof satisfactory to the Contract Administrator that the Bidder/Subcontractor has a workplace safety and health program meeting the requirements of The Workplace Safety and Health Act (Manitoba), by providing:
 - (a) a valid COR certification number under the Certificate of Recognition (COR) Program administered by the Manitoba Construction Safety Association or by the Manitoba Heavy Construction Association's Safety, Health and Environment 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 Branch internet site at http://www.winnipeg.ca/matmgt.)
- B9.5 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.
- B9.6 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.

B10. BID SECURITY

- B10.1 The Bidder shall provide bid security in the form of:
 - (a) a 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 the form included in the Bid Submission (Form G1: Bid Bond and Agreement to Bond); or
 - (b) an irrevocable standby letter of credit, in the amount of at least ten percent (10%) of the Total Bid Price, and undertaking issued by a bank or other financial institution registered to conduct business in Manitoba and drawn on a branch located in Winnipeg, in the form included in the Bid Submission (Form G2: Irrevocable Standby Letter of Credit and Undertaking); or
 - (c) a certified cheque or draft payable to "The City of Winnipeg", in the amount of at least fifty percent (50%) of the Total Bid Price, drawn on a bank or other financial institution registered to conduct business in Manitoba.
- B10.1.1 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.
- B10.1.2 All signatures on bid securities shall be original, and shall be witnessed or sealed as required.
- B10.2 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 executed by the successful Bidder and the performance security furnished as provided herein. The bid securities of all other Bidders will be released when a Contract is awarded.
- B10.2.1 Where the bid security provided by the successful Bidder is in the form of a certified cheque or draft pursuant to B10.1(c), it will be deposited and retained by the City as the performance security and no further submission is required.
- B10.2.2 The City will not pay any interest on certified cheques or drafts furnished as bid security or subsequently retained as performance security.
- B10.3 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 Bid Opportunity.

B11. OPENING OF BIDS AND RELEASE OF INFORMATION

- B11.1 Bids will be opened publicly, after the Submission Deadline has elapsed, in the office of the Corporate Finance Department, Materials Management Branch, or in such other office as may be designated by the Manager of Materials.
- B11.1.1 Bidders or their representatives may attend.
- B11.1.2 Bids determined by the Manager of Materials, or his designate, to not include the bid security specified in B10 will not be read out.
- B11.2 Following the submission deadline, the names of the Bidders and their Total Bid Prices (unevaluated, and pending review and verification of conformance with requirements) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.
- B11.3 After award of Contract, the name(s) of the successful Bidder(s) and the Contract Amount(s) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.
- B11.4 The Bidder is advised that any information contained in any Bid may be released if required by City policy or procedures, by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law.

B12. IRREVOCABLE BID

- B12.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 11 of Form A: Bid.
- B12.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work until a Contract for the Work has been duly executed and the performance security 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.

B13. WITHDRAWAL OF BIDS

- B13.1 A Bidder may withdraw his Bid without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.
- B13.1.1 Notwithstanding C23.3, the time and date of receipt of any notice withdrawing a Bid shall be the time and date of receipt as determined by the Manager of Materials.
- B13.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Bid or the Bidder's authorized representatives named in Paragraph 12 of Form A: Bid, and only such person, has authority to give notice of withdrawal.
- B13.1.3 If a Bidder gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials will:
 - (a) retain the Bid until after the Submission Deadline has elapsed;
 - (b) open the Bid to identify the contact person named in Paragraph 3 of Form A: Bid and the Bidder's authorized representatives named in Paragraph 12 of Form A: Bid; and
 - (c) if the notice has been given by any one of the persons specified in B13.1.3(b), declare the Bid withdrawn.
- B13.2 A Bidder who withdraws his Bid after the Submission Deadline but before his Bid has been released or has lapsed as provided for in B12.2 shall be liable for such damages as are

imposed upon the Bidder by law and subject to such sanctions as the Chief Administrative Officer considers appropriate in the circumstances. The City, in such event, shall be entitled to all rights and remedies available to it at law, including the right to retain the Bidder's bid security.

B14. EVALUATION OF BIDS

- B14.1 Award of the Contract shall be based on the following bid evaluation criteria:
 - (a) compliance by the Bidder with the requirements of the Bid Opportunity (pass/fail);
 - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B9 (pass/fail);
 - (c) Total Bid Price:
 - (d) economic analysis of any approved alternative pursuant to B5.
- B14.2 Further to B14.1(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.
- B14.3 Further to B14.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his Bid or in other information required to be submitted, that he is responsible and qualified.
- B14.4 Further to B14.1(c), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices.
- B14.4.1 If there is any discrepancy between the Total Bid Price written in figures, the Total Bid Price written in words and the sum of the quantities multiplied by the unit prices for each item, the sum of the quantities multiplied by the unit prices for each item shall take precedence.
- B14.4.2 The contract will be awarded as a whole

B15. AWARD OF CONTRACT

- B15.1 The City will give notice of the award of the Contract or will give notice that no award will be made.
- B15.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and the Bids are determined to be responsive.
- B15.2.1 Without limiting the generality of B15.2, the City will have no obligation to award a Contract where:
 - (a) the prices exceed the available City funds for the Work;
 - (b) the prices are materially in excess of the prices received for similar work in the past;
 - (c) the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with its own forces;
 - (d) only one Bid is received; or
 - (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.
- B15.3 Subject to B15.2, 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.
- B15.3.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of his Bid upon written request to the Contract Administrator.

PART C - GENERAL CONDITIONS

CO. GENERAL CONDITIONS

- C0.1 The *General Conditions for Construction* (Revision 2006 12 15) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for Construction* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.
- C0.2 A reference in the Bid Opportunity to a section, clause or subclause with the prefix "C" designates a section, clause or subclause in the *General Conditions for Construction*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

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

D2. SCOPE OF WORK

- D2.1 The Work to be done under the Contract shall consist of construction of, repair and removal of concrete bases and services boxes, installation and repair of underground plastic conduit, saw cutting and sealing of concrete for vehicle detector loops and other related works in the City of Winnipeg.
- D2.2 The Work is based on the Plant, Materials and Methods specified in the Bid Opportunity and/or detailed in The City of Winnipeg Standard Construction Specifications, Division 4, Surface Works, Specification CW-3620 (current revision), Installation of Underground Traffic Signal Services:

D3. DEFINITIONS

- D3.1 When used in this Bid Opportunity:
 - (a) "Loop(s)" refers to intrusive vehicular detector cut into pavement, that is, concrete, asphalt or composite concrete and asphalt roadway as defined in CW 3620 of the City of Winnipeg Standard Construction Specifications.

D4. CONTRACT ADMINISTRATOR

D4.1 The Contract Administrator is:

Luis Escobar, P Eng., PTOE Traffic Signals Engineer 821 Elgin Ave Winnipeg Manitoba R3E 3R1

Telephone No. (204) 986-5895 Facsimile No. (204) 772-6306

D4.2 At the pre-construction meeting, the Contract Administrator will identify additional personnel representing the Contract Administrator and their respective roles and responsibilities for the Work.

D5. CONTRACTOR'S SUPERVISOR

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

D6. NOTICES

D6.1 Except as provided for in C23.2.2, all notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the Contractor shall be sent to the address or facsimile number identified by the Contractor in Paragraph 2 of Form A: Bid.

- D6.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D6.3, D6.4 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator at the address or facsimile number identified in D4.1.
- D6.3 All notices of appeal to the Chief Administrative Officer shall be sent to the following address or facsimile number:

The City of Winnipeg
Chief Administrative Officer Secretariat
Attn: Chief Administrative Officer
Administration Building, 3rd Floor
510 Main Street
Winnipeg MB R3B 1B9

Facsimile No.: (204) 949-1174

D6.4 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications required to be submitted or returned to the City Solicitor shall be sent to the following address or facsimile number:

The City of Winnipeg Corporate Services Department Legal Services Division Attn: City Solicitor 185 King Street, 3rd Floor Winnipeg MB R3B 1J1

Facsimile No.: (204) 947-9155

D7. FURNISHING OF DOCUMENTS

D7.1 Upon award of the Contract, the Contractor will be provided with five (5) complete sets of the Bid Opportunity. If the Contractor requires additional sets of the Bid Opportunity, they will be supplied to him at cost.

SUBMISSIONS

D8. AUTHORITY TO CARRY ON BUSINESS

D8.1 The Contractor shall be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Contractor does not carry on business in Manitoba, in the jurisdiction where the Contractor does carry on business, throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

D9. SAFE WORK PLAN

- D9.1 The Contractor shall provide the Contract Administrator with a Safe Work Plan at least five (5) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in C4.1 for the return of the executed Contract.
- D9.2 The Safe Work Plan should be prepared and submitted in the format shown in the City's template which is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.

D10. INSURANCE

- D10.1 The Contractor shall provide and maintain the following insurance coverage:
 - (a) commercial general liability insurance, in the amount of at least two million dollars (\$2,000,000.00) inclusive, with The City of Winnipeg added as an additional insured, with a cross-liability clause, such liability policy to also contain contractual liability, unlicensed motor vehicle liability, non-owned automobile liability, broad form property damage cover and products and completed operations, to remain in place at all times during the performance of the Work and throughout the warranty period;
 - (b) automobile liability insurance for owned automobiles used for or in connection with the Work in the amount of at least two million dollars (\$2,000,000.00) at all times during the performance of the Work and until the date of Total Performance;
- D10.2 Deductibles shall be borne by the Contractor.
- D10.3 The Contractor shall provide the City Solicitor with a certificate(s) of insurance, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Work but in no event later than the date specified in C4.1 for the return of the executed Contract.
- D10.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least fifteen (15) Calendar Days prior written notice to the Contract Administrator.

D11. PERFORMANCE SECURITY

- D11.1 The Contractor shall provide and maintain performance security until the expiration of the warranty period in the form of:
 - (a) a performance bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H1: Performance Bond), in the amount of fifty percent (50%) of the Contract Price; or
 - (b) an irrevocable standby letter of credit issued by a bank or other financial institution registered to conduct business in Manitoba and drawn on a branch located in Winnipeg, in the form attached to these Supplemental Conditions (Form H2: Irrevocable Standby Letter of Credit), in the amount of fifty percent (50%) of the Contract Price; or
 - (c) a certified cheque or draft payable to "The City of Winnipeg", drawn on a bank or other financial institution registered to conduct business in Manitoba, in the amount of fifty percent (50%) of the Contract Price.
- D11.1.1 Where the performance security is in the form of a certified cheque or draft, it will be deposited by the City. The City will not pay any interest on certified cheques or drafts furnished as performance security.
- D11.2 If the bid security provided in his Bid was not a certified cheque or draft pursuant to B10.1(c), the Contractor shall provide the City Solicitor with the required performance security within seven (7) Calendar Days of notification of the award of the Contract by way of letter of intent and 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.

D12. SUBCONTRACTOR LIST

D12.1 The Contractor shall provide the Contract Administrator with a complete list of the Subcontractors whom the Contractor proposes to engage (Form J: Subcontractor List) at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the General Conditions for the return of the executed Contract.

SCHEDULE OF WORK

D13. COMMENCEMENT

- D13.1 The Contractor shall not commence any Work until he is in receipt of a letter of intent 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 D8;
 - (ii) evidence of the workers compensation coverage specified in C6.15;
 - (iii) the Safe Work Plan specified in D9;
 - (iv) evidence of the insurance specified in D10;
 - (v) the performance security specified in D11;
 - (vi) the Subcontractor list specified in D12; and
 - (b) the Contractor has attended a pre-construction meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a pre-construction meeting.
- D13.3 The Contractor shall commence the Work on the Site within seven (7) Working Days of receipt of the letter of intent.

D14. SUBSTANTIAL PERFORMANCE

- D14.1 The Contractor shall achieve Substantial Performance by October 31st, 2008.
- D14.2 When the Contractor considers the Work to be substantially performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Substantial Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be reinspected.
- D14.3 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.

D15. TOTAL PERFORMANCE

- D15.1 The Contractor shall achieve Total Performance by November 30th, 2008.
- D15.2 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.
- D15.3 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

D16. JOB MEETINGS

D16.1 Regular weekly job meetings will be held at the Site. These meetings shall be attended by a minimum of one representative of the Contract Administrator, 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.

D16.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he deems it necessary.

D17. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

D17.1 Further to C6.24, the Contractor shall be the Prime Contractor and shall serve as, and have the duties of the Prime Contractor in accordance with The Workplace Safety and Health Act (Manitoba).

D18. RESPONSIBILITY FOR PLANT AND MATERIALS

- D18.1 The Contractor will be responsible for all forms and templates issued by the City for use by the Contractor and must return same in a clean and undamaged condition before the Certificate of Total Performance will be issued.
- D18.2 The Contractor is responsible for all materials after receiving them from the City of Winnipeg Stores. He shall provide location and amount of usage for each item. All unused materials (float) will be returned to the City of Winnipeg no later than the date of Certificate of Total Performance. The Certificate of Total Performance cannot be issued until a reconciliation of material is made and approved by the T.S. Construction Co-ordinator.

D19. CONSTRUCTION CREWS

D19.1 Further to Clause C6.20 of the General Conditions, the Work of this Contract is to be coordinated with the Work of street construction Contractors in various areas of the City. The Contractor shall make available at least two separate fully equipped and manned construction crews to meet schedule requirements.

D20. PERMITS

- D20.1 The City will reimburse the Contractor for the actual cost of necessary permits.
- D20.2 The City will only pay for restoration to areas which are directly related to the installation of the underground Plant. All other damages and restoration shall be the responsibility of the Contractor.

D21. RECORDING "AS BUILT" SIGNALS PLANT INFORMATION

D21.1 The Contractor shall be responsible for all final installation records of the underground and permanent surface structures of traffic signals plant excluding Loops. These 'as-builts' shall be compiled and recorded preferably on one construction drawing provided by the Traffic Signals Branch and submitted to the T.S. Construction Coordinator for review. The recorded information shall consist of measurements taken from a secure permanent fixture (eg. survey bar) and presented in the metric system with pertinent offset dimensions for each individual item from two perpendicular directions. The Contractor shall ascertain and record the exact location of signal bases, service boxes, underground conduit duct lines and any related plant immediately following installations of same. The final installed depth of the duct lines measured from the finished grade surface shall also be included. The Contractor shall be responsible for underground clearances of the newly installed empty conduit up until such time that Traffic Signal personnel have completed the installation of cable in the new conduit.

D22. PROVISION OF OVERTIME SERVICES

- D22.1 Further to C12.3, the Contractor shall be obliged to provide the City of Winnipeg with services relating to this Contract during "overtime" periods, as and when instructed to do so by the City via the Contract Administrator.
- D22.2 The City shall call upon the Contractor for overtime services only on infrequent occasions. Overtime "occasions" shall be limited only to those circumstances where the City has no reasonable alternative save overtime, to expedite progress of other capital construction projects, to deal with emergency conditions and to meet critical deadlines.
- D22.3 The Contract Administrator or his designate shall provide the Contractor with twenty-four (24) hours or more advance notice, whenever possible, of the requirement for overtime services. The Contractor shall be prepared to provide overtime services so long as notice is given no later than the end of the Workday immediately prior to the overtime "occasion".
- D22.4 Following said notice of overtime service requirement being given by the City to the Contractor, the Contractor shall arrange to provide all material, equipment, supervision and labour as is required to undertake the specified overtime Works, and to provide such service at the time(s) as may be specified by the City.
- D22.5 The Contractor shall be compensated by the City for every "occasion" during which the Contractor is instructed to provide said overtime services. An "occasion" shall be defined as a time period not to exceed **4 hours**, during which "occasion" the Contractor provides said overtime services. Any "occasion" for which the Contractor has been instructed to provide overtime service, and provides manpower, supervision, equipment and material on-Site to do the required Works, shall be paid for by the City even should the required Works be unable to be carried out by reason of inclement weather, or suspension or postponement of Works by the City.
- D22.6 The overtime period shall be determined to begin at the pre-determined time, or when the Contractor's workforces and required vehicles, equipment and material are at the Work Site and are fully prepared to commence the required Works, and shall end at the time when the Contractor's workforces are dismissed by the City. In the event the overtime period exceeds 4 hours in duration, during any one 24-hour non-Working Day, two (2) or more separate "occasions" shall be awarded.
- D22.7 The Contractor shall be paid at the following rates, based on the manpower resource agreed to by the City for any specific "occasion", and the subsequent provision of said manpower by the Contractor to the designated field Site:

Total Number of Contractor's Workers Provided On-Site, Including Supervisor

Compensation Rate

1 to 3 worker(s)

\$200.00 / "occasion"

Each additional worker

\$50.00 each / "occasion"

- D22.8 All traffic signals underground Works installed in whole or in part during such overtime "occasions" shall be measured and paid for as per Form B: Prices.
- D22.9 "Overtime" shall be defined as any "occasion", during the <u>weekend</u> period of 18:00 hours Friday to 06:00 hours Monday, the <u>weekday</u> period of 18:00 to 06:00 the following weekday, or any portion of a <u>holiday</u>, when the Contractor, as directed by the City, is obliged to provide overtime service.
- D22.10 "Holiday" is defined as any Federal, Manitoba Provincial and Civic Holiday.

D22.11 In the event the overtime period exceeds 4 hours in duration, during any one 24-hour holiday, two (2) or more separate "occasions" shall be awarded and paid for at the "overtime" rate schedule specified.

D23. PROTECTION OF EXISTING TREES

- D23.1 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. The same provisions shall be applied to trees that may be affected on private property.
 - (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 1" X 4" X 8' (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, whether public or private. 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 all 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.
- D23.2 All damage to existing trees caused by the Contractor's activities shall be repaired to the requirements and satisfaction of the Contract Administrator as directed by the City Forester or his designate.
- D23.3 No separate measurement or payment will be made for the protection of trees. The Contractor will be responsible for any costs associated with tree repair, removal, damage, etc.
- D23.4 Elm trees cannot be trimmed between April 1 and July 31, inclusive.

D24. PROTECTION OF THE SURVEY INFRASTRUCTURE

- D24.1 Notwithstanding clause 3.14 of the General Requirements CW 1130-R1:
- D24.2 Further to C6.26 (g), at least 72 hours prior to the commencement of the On-Site Work the Contractor shall contact the City of Winnipeg, Geomatics Services Branch at 986-4826 (8:00 am to 4:00 pm Monday to Friday excluding holidays) to obtain underground clearance. Geomatics Services will locate and mark all known outline survey monuments and geodetic control monuments and confirm the physical condition of those monuments upon completion of construction, at no cost to the Contractor.
- D24.3 Where a survey post, bar or control monument lies in the line of the proposed Work and <u>must</u> be disturbed, the Contractor shall provide the Contract Administrator with 48 hours notice to permit referencing for future replacement, at no cost to the Contractor. Failure to provide the specified notice shall result in the Contractor paying for all costs associated with replacing or relocating the disturbed outline survey monuments and geodetic control monuments.
- D24.4 Outline survey monuments and geodetic control monuments at or adjacent to the Site, not in the line of the proposed construction that are damaged or disturbed by the Contractor shall be replaced or relocated by the City or its agent and all associated costs shall be paid for by the

Contractor. Contractors must ensure their landscaping and other subcontractors are aware of this clearance procedure.

D24.5 Where possible, amounts owed to the City in accordance with the above will be deducted from any payments to be made by the City to the Contractor.

D25. TRAFFIC CONTROL

- Putther to Clause 3.7 of the General Requirements CW 1130-R1: The Manual of Temporary Traffic Control in Work Areas on City Streets is available, for a fee, from the Customer Services Division of the Public Works Department at 107-1155 Pacific Avenue. This document is also available from Customer Services or can be viewed or downloaded from:

 www.winnipeg.ca/publicworks/Brochures/Brochures.asp
- D25.2 Where directed, the Contractor shall construct and maintain temporary asphalt ramps to alleviate vertical pavement obstructions, such as manholes and drop-offs, to the satisfaction of the Contract Administrator. No measurement for payment will be made for this Work.
- D25.3 Further to Clause General Requirements CW 1130-R1:
 - (a) All Work Sites shall be signed in accordance with the Manual of Temporary Traffic Control. If the Contractor ("Agency" in the manual) cannot sign with their own staff then they shall make arrangements with a sub-contractor to place all temporary regulatory signs. The Contractor shall bear all costs associated with the placement of temporary traffic control devices by the sub-contractor in connection with the Works undertaken by the Contractor. The sub-contractor must be listed in Form J: sub-contractors.
 - (b) The costs associated with hooding and/or temporary removal and replacement of parking meters at, and for, the Contractor's own convenience shall be the responsibility of the Contractor.

D26. AUTHORIZED WORK ON PRIVATE PROPERTY

- D26.1 This clause is strictly for Work on private property that is authorized and paid for by the City.

 Damages to private property are handled through the City's Risk Management Division, Claims

 Branch. Settlement of such damages will not be negotiated or arbitrated by the Contract

 Administrator on behalf of the Owner or Contractor.
- D26.2 Further to C6.26, the Contractor shall confine his Works to the right-of-way or easements. Where Work is required to be done on private property the Contract Administrator will authorize such Work in writing after obtaining the written permission of the property owner.
- D26.3 The Contractor shall limit his operations to the minimum area necessary for undertaking the private property Work and shall be responsible for all damages outside the limits of the authorized Work, resulting from Work on private property. Particular care shall be taken to prevent damage to buildings, walkways, trees and plants.

D27. TEMPORARY RELOCATION OF AFFECTED STRUCTURES

D27.1 The Contractor shall, have temporarily relocated any portable structure such as benches, mail boxes, news boxes, waste bins, vending machines, etc., which will interfere with the construction of the Work. The Contractor will identify and notify the owners of the portable structures to have them removed or moved. Following the completion of the applicable Work, the Contractor shall notify the owners that the portable structures may be replaced. These relocations shall be considered incidental to the associated Works and no separate measurement for payment will be made.

WARRANTY

D28. WARRANTY

- D28.1 Notwithstanding C13.2, the warranty period shall begin on the date of Substantial Performance and shall expire one (1) year thereafter unless extended pursuant to C13.2.1 or C13.2.2, in which case it shall expire when provided for thereunder.
- D28.2 Notwithstanding C13.2 or D28.1, the Contract Administrator may permit the warranty period for a portion or portions of the Work to begin prior to the date of Substantial Performance if:
 - (a) a portion of the Work cannot be completed because of unseasonable weather or other conditions reasonably beyond the control of the Contractor but that portion does not prevent the balance of the Work from being put to its intended use; or
- D28.2.1 In such case, the date specified by the Contract Administrator for the warranty period to begin shall be substituted for the date specified in C13.2 for the warranty period to begin.

FORM H1: PERFORMANCE BOND (See D11)

KNOW ALL MEN BY THESE PRESENTS THAT			
(here	inafter called the "Prin	cipal"), and	
	inafter called the "Su d the "Obligee"), in the	rety"), are held and firmly bound unto THE CITY OF sum of	F WINNIPEG (hereinafter
		dollars (\$)
sum	the Principal and the	to be paid to the Obligee, or its successors or assigns. Surety bind themselves, their heirs, executors, adminly, firmly by these presents.	
WHE	REAS the Principal ha	as entered into a written contract with the Obligee dated	d the
	day of	, 20 , for:	
BID (OPPORTUNITY NO. 1	57-2008	
INST	ALLATION OF UNDE	RGROUND TRAFFIC SIGNALS SERVICES AND ASS	SOCIATED WORKS
which	n is by reference made	e part hereof and is hereinafter referred to as the "Cont	ract".
NOW	/ THEREFORE the co	ndition of the above obligation is such that if the Princip	oal shall:
(a) (b) (c) (d) (e)	forth in the Contract perform the Work in make all the payme in every other resp Contract; and indemnify and save demands of every claims, actions for Compensation Act' performance or no	orm the Contract and every part thereof in the manne of and in accordance with the terms and conditions special a good, proper, workmanlike manner; ents whether to the Obligee or to others as therein prove pect comply with the conditions and perform the conditions and perform the conditions are performed as a set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract, and from all loss, cost description as set forth in the Contract of the Co	cified in the Contract; vided; venants contained in the ets, damages, claims, and I penalties, assessments, ng under "The Workers y way connected with the
		SHALL BE VOID, but otherwise shall remain in full force for a greater sum than the sum specified above.	ce and effect. The Surety
nothi	ng of any kind or matt	LARED AND AGREED that the Surety shall be liable of whatsoever that will not discharge the Principal shall be Surety, any law or usage relating to the liability of	all operate as a discharge
IN W	ITNESS WHEREOF th	ne Principal and Surety have signed and sealed this bo	and the
	day of	, 20	

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SIGNED AND SEALED in the presence of:	(Name of Principal)	
	Per:	(Seal)
(Witness)	Per:	
	(Name of Surety)	
	By: (Attorney-in-Fact)	(Seal)

FORM H2: IRREVOCABLE STANDBY LETTER OF CREDIT (PERFORMANCE SECURITY) (See D11)

(Date)	
The City of Winnipeg Corporate Services Department Legal Services Division 185 King Street, 3rd Floor Winnipeg MB R3B 1J1	
RE: PERFORMANCE SECURITY - BID OPP	ORTUNITY NO. 157-2008
INSTALLATION OF UNDERGROUND T WORKS	RAFFIC SIGNALS SERVICES AND ASSOCIATED
Pursuant to the request of and for the account of	our customer,
(Name of Contractor)	,
(Address of Contractor)	
WE HEREBY ESTABLISH in your favour our irre in the aggregate	evocable Standby Letter of Credit for a sum not exceeding
	Canadian dollars.
demand for payment made upon us by you. It Letter of Credit for the payment of monies only a payment without inquiring whether you have a r	n by you at any time and from time to time upon written is understood that we are obligated under this Standby and we hereby agree that we shall honour your demand for ight as between yourself and our customer to make such customer or objection by the customer to payment by us.
	be reduced from time to time only by amounts drawn upon by you if you desire such reduction or are willing that it be
Partial drawings are permitted.	
We engage with you that all demands for paym Letter of Credit will be duly honoured if presented	nent made within the terms and currency of this Standby I to us at:
(Address)	
and we confirm and hereby undertake to ensure	that all demands for payment will be duly honoured by us.

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

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

(Date)

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

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

This credit is subject to the Uniform Customs and Practice for Documentary Credit (1993 Revision), International Chamber of Commerce Publication Number 500.

(Name	e of bank or financial institution)
Per:	
	(Authorized Signing Officer)
Per:	
	(Authorized Signing Officer)

FORM J: SUBCONTRACTOR LIST (See D12)

INSTALLATION OF UNDERGROUND TRAFFIC SIGNALS SERVICES AND ASSOCIATED WORKS

<u>Name</u>	Address
	·····
	
	
	······································

PART E - SPECIFICATIONS

GENERAL

E1. APPLICABLE SPECIFICATIONS AND DRAWINGS

E1.1 These Specifications shall apply to the Work.

The City of Winnipeg Standard Construction Specifications in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.

- E1.2.1 The City of Winnipeg Standard Construction Specifications is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.
- E1.2.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- E1.2.3 Further to C2.4(d), Specifications included in the Bid Opportunity shall govern over *The City of Winnipeg Standard Construction Specifications*.
- E1.3 The following are applicable to the Work, and the drawing versions attached to this Bid Opportunity shall supersede the drawings in *The City of Winnipeg Standard Construction Specifications*. A paper copy of each will be provided to the Contractor if requested at the pre construction meeting.

Drawing No.	<u>Drawing Name/Title</u>
ST-20A	Concrete Controller Base
ST-48	Joint for 38mm Polyethylene Duct
ST-49A	Service Box Detail
ST-58	Concrete Base for Terminal Pedestal
ST-60	Concrete Signal Pole Base
ST-62 and ST-	Saw Cutting for Vehicle Detector Loops
144	
ST-87	Concrete Base for Type 170 Controller
ST-101	Standard Bedding & Backfill
ST-115	Concrete Signal Pole Base for Medium Duty Davit Pole
ST-116 to ST-	Top Ring & Anchor Bolt Templates for Traffic Signal Concrete Bases
122	
ST-135	Precast Service Pit Detail

E2. TRUCK WEIGHT LIMITS

- E2.1 The City shall not pay for any portion of Material which results in the vehicle exceeding the maximum gross vehicle weight allowed under <u>The Highway Traffic Act and/or City of Winnipeg's Traffic By-Law</u>, unless such vehicle is operating under special permit.
- E2.2 Further to C3.1,

E3. APPROVED HOT POURED JOINT SEALERS FOR LOOP CONSTRUCTION

The City of Winnipeg Standard Construction Specifications.

Division 4 – Surface Works – Approved Products for Surface Works

Section 2, Hot Poured Joint Sealer, Clause 2.4

(Revised to April 2004)

PRODUCT NAME	MANUFACTURER / SUPPLIER	FILE NO.
Crafco Roadsaver 522	Crafco Inc.	19A.2.1
Crafco Roadsaver 231	Crafco Inc.	19A.2.2
Bemac Beram 195 LM	Bemac	19A.2.4