



**THE CITY OF WINNIPEG**

# **BID OPPORTUNITY**

**BID OPPORTUNITY NO. 178-2006**

**FRONT ENTRANCE & VESTIBULE UPGRADES AT PAN AM POOL**

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## **PART B - BIDDING PROCEDURES**

### **B1. PROJECT TITLE**

B1.1 FRONT ENTRANCE & VESTIBULE UPGRADES AT PAN AM POOL

### **B2. SUBMISSION DEADLINE**

B2.1 The Submission Deadline is 12:00 noon Winnipeg time, May 9, 2006.

B2.2 Bid Submissions 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. SITE INVESTIGATION**

Further to GC:3.1, the Contract Administrator or an authorized representative will be available at the Site from 10:00 A.M. to 11:00 A.M. on April 21, 2006 to provide Bidders access to the Site.

B3.2 The Bidder shall not be entitled to rely on any information or interpretation received at the Site investigation unless that information or interpretation is the Bidder's direct observation, or is provided by the Contract Administrator in writing.

### **B4. ENQUIRIES**

B4.1 All enquiries shall be directed to the Contract Administrator identified in D3.1.

B4.2 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.

B4.3 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.

B4.4 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.

B4.5 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B4 unless that response or interpretation is provided by the Contract Administrator in writing.

### **B5. ADDENDA**

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

B5.2 The Contract Administrator will issue each addendum at least two (2) Business Days prior to the Submission Deadline, or provide at least two (2) Business Days by extending the Submission Deadline.

- B5.2.1 Addenda will be available on the Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.
- B5.2.2 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 shortly before submitting his Bid.
- B5.3 The Bidder shall acknowledge receipt of each addendum in Paragraph 8 of Form A: Bid. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.

## **B6. SUBSTITUTES**

- B6.1 The Work is based on the Plant, Materials and methods specified in the Bid Opportunity.
- B6.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B6.3 Requests for approval of a substitute will not be considered unless received in writing by the Contract Administrator at least four (4) Business Days prior to the Submission Deadline.
- B6.4 The Bidder shall ensure that any and all requests for approval of a substitute:
- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the Plant, Material or method as either an approved equal or alternative;
  - (b) identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
  - (c) identify any anticipated cost or time savings that may be associated with the substitute;
  - (d) certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance;
  - (e) certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance.
- B6.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his 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, only to the Bidder who requested approval of the substitute.
- B6.6.1 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.
- 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 shall 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.

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 SUBMISSION**

B7.1 The Bid Submission consists of the following components:

- (a) Form A: Bid;
- (b) Form B: Prices;

The Bid Submission shall be submitted enclosed and sealed in an envelope clearly marked with the Bid Opportunity number and the Bidder's name and address.

B7.2.1 Samples or other components of the Bid Submission which cannot reasonably be enclosed in the envelope may be packaged separately, but shall be clearly marked with the Bid Opportunity number, the Bidder's name and address, and an indication that the contents are part of the Bidder's Bid Submission.

B7.3 Bid Submissions submitted by facsimile transmission (fax) or internet electronic mail (e-mail) will not be accepted.

B7.4 Bid Submissions shall be submitted to:

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

## **B8. BID**

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

B8.2 Paragraph 2 of Form A: Bid shall be completed in accordance with the following requirements:

- (a) if the Bidder is a sole proprietor carrying on business in his 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.

B8.2.1 If a Bid is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B8.2.

B8.3 In Paragraph 3 of Form A: Bid, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Bid.

B8.4 Paragraph 10 of Form A: Bid shall be signed in accordance with the following requirements:

- (a) if the Bidder is a sole proprietor carrying on business in his own name, it shall be signed by the Bidder;
- (b) if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
- (c) if the Bidder is a corporation, it shall be signed by its duly authorized officer or officers;
- (d) if the Bidder is carrying on business under a name other than his 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 shall be printed below such signatures.

B8.4.2 All signatures shall be original.

B8.5 If a Bid is submitted jointly by two or more persons, the word "Bidder" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Bidders in the Bid Submission and the Contract, when awarded, shall be both joint and several.

## **B9. PRICES**

B9.1 The Bidder shall state the lump sum price in Canadian funds for the Work on Form B: Prices.

## **B10. QUALIFICATION**

B10.1 The Bidder shall:

- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba;
- (b) be responsible and not be suspended, debarred or in default of any obligation to the City;
- (c) be financially capable of carrying out the terms of the Contract;
- (d) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract;
- (e) have successfully carried out work, similar in nature, scope and value to the Work;
- (f) employ only Subcontractors who:
  - (i) are responsible and not suspended, debarred or in default of any obligation 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>); and
  - (ii) have successfully carried out work similar in nature, scope and value to the portion of the Work proposed to be subcontracted to them, and are fully capable of performing the Work required to be done in accordance with the terms of the Contract;
- (g) have a written workplace safety and health program in accordance with The Workplace Safety and Health Act (Manitoba);

B10.2 The Bidder shall be prepared to submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.

B10.3 The Bidder shall provide, on the request of the Contract Administrator, full access to any of the Bidder's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

### **B11. OPENING OF BIDS AND RELEASE OF INFORMATION**

B11.1 Bid Submissions will 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.

After the public opening, the names of the Bidders and their Total Bid Prices as read out (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 Submission 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 9 of Form A: Bid.

B12.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work for the time period specified in Paragraph 9 of Form A: Bid.

### **B13. WITHDRAWAL OF BIDS**

B13.1 A Bidder may withdraw his Bid without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.

B13.1.1 Notwithstanding GC:23.3, 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 10 of Form A: Bid, and only such person, has authority to give notice of withdrawal.

B13.1.3 If a Bidder gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials shall:

- (a) retain the Bid Submission until after the Submission Deadline has elapsed;
- (b) open the Bid Submission to identify the contact person named in Paragraph 3 of Form A: Bid and the Bidder's authorized representatives named in Paragraph 10 of Form A: Bid; and
- (c) if the notice has been given by any one of the persons specified in B13.1.3(b), declare the Bid withdrawn.



B13.2 A Bidder who withdraws his 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.

#### **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 B10 (pass/fail);
- (c) Total Bid Price;
- (d) economic analysis of any approved alternative pursuant to B6.

B14.2 Further to B14.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid Submission is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Bid, or waive technical requirements 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 Submission or in other information required to be submitted, that he is responsible and qualified.

Further to B14.1(c), the Total Bid Price shall be the lump sum price shown on Form B: Prices.

B14.4.1 If there is any discrepancy between the lump sum price written in figures and the lump sum price written in words, the price written in words shall take precedence.

#### **B15. AWARD OF CONTRACT**

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

B15.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and the Bids are determined to be responsive.

B15.2.1 Without limiting the generality of B15.2, the City will have no obligation to award a Contract where:

- (a) the prices exceed the available City funds for the Work;
- (b) the prices are materially in excess of the prices received for similar work in the past;
- (c) the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with its own forces;
- (d) only one Bid is received; or
- (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.

B15.3 Where an award of Contract is made by the City, the award shall be made to the responsible and qualified Bidder submitting the lowest evaluated responsive Bid.

B15.4 Notwithstanding GC:4, the City will issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.

**B15.5** The Contract, as defined in GC:1.1, in its entirety shall be deemed to be incorporated in and to form a part of the Purchase Order notwithstanding that it is not necessarily attached to or accompany said Purchase Order.

## **PART C - GENERAL CONDITIONS**

### **C1. GENERAL CONDITIONS**

C1.1 The *General Conditions for Construction Contracts* (Revision 2000 11 09) are applicable to the Work of the Contract.

C1.1.1 The *General Conditions for Construction Contracts* 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>.

## PART D - SUPPLEMENTAL CONDITIONS

### GENERAL

#### D1. GENERAL CONDITIONS

- D1.1 In addition to the *General Conditions for Construction Contracts*, these Supplemental Conditions are applicable to the Work of the Contract.
- D1.2 The General Conditions are amended by striking out "The City of Winnipeg Act" wherever it appears in the General Conditions and substituting "The City of Winnipeg Charter".
- D1.3 The General Conditions are amended by striking out "Tender Package" wherever it appears in the General Conditions and substituting "Bid Opportunity".
- D1.4 The General Conditions are amended by striking out "Tender Submission" wherever it appears in the General Conditions and substituting "Bid Submission".
- D1.5 The General Conditions are amended by deleting GC:6.16 and GC:6.17. The City of Winnipeg is now within the jurisdiction of the Manitoba Ombudsman pursuant to The Ombudsman Act.

#### D2. SCOPE OF WORK

- D2.1 The Work to be done under the Contract shall consist of the renovations to main south entrance and vestibule at Pan Am Swimming Pool located on 25 Poseidon Bay.
- D2.2 The major components of the Work are as follows:

Supply and installation of new exterior and interior aluminum doors and hardware.

- (b) Supply and installation of new exterior and interior aluminum framing, entrances and accessories.
- (c) Supply and installation of new exterior and interior glazing and components.
- (d) Supply and installation of one (1) new 6 inch x 6 inch x ¼ inch HSS column at vestibule doors. Steel column base and cap plates shall be welded to column and bolted to existing concrete floor and ceiling substrate. Plates to be secured with Hilti Kwik bolts and expansion anchors. Column must be suitable for powder coat painting process.
- (e) Electrical work – supply 120VAC, 10 amps power from existing Panel 'R' in basement Electrical Room to automatic door operators, controlled door holding magnets, safety sensors, all electrical disconnects, and supply low voltage wiring from automatic operators to low voltage actuators. Work to include removal of existing auto door sensors and replacement of existing ceiling mounted exit light with new LED Type exit light to location designated by the Contract Administrator.
- (f) Removal and disposal of existing interior aluminum framing, glazing, glazing components, aluminum doors and hardware at south main entrance.
- (g) Removal and disposal of existing exterior aluminum framing, glazing and components, aluminum manual/automatic doors and hardware at south main entrance.
- (h) Removal, salvage and relocation of miscellaneous items (i.e. force flow unit heater, pay phone telephones, water fountain, metal bench, metal handrail, 2 x 4 acoustical tile panels, speaker, window base, fire alarm pull station, junction box, etc.).
- (i) Patch, paint and make good all surfaces and finishes affected by this contract, to match existing. Surfaces shall include ceiling, bulkheads, sills, floors, walls, etc.

**D3. CONTRACT ADMINISTRATOR**

D3.1 The Contract Administrator is:

Lou Chubenko  
Project Officer II  
100 Main Street, Main Floor  
Winnipeg, Manitoba R3C 1A4

Telephone No. (204) 986-7278  
Facsimile No. (204) 986-7311

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

**D4. CONTRACTOR'S SUPERVISOR**

D4.1 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.

**D5. NOTICES**

D5.1 Except as provided for in GC:23.2.2, 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.

D5.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D5.3, D5.4 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator at the address or facsimile number identified in D3.1.

D5.3 All notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following address or facsimile number:

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

Facsimile No.: (204) 949-1174

D5.4 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  
185 King Street, 3rd Floor  
Winnipeg MB R3B 1J1

Facsimile No.: (204) 947-9155

## **SUBMISSIONS**

### **D6. INSURANCE**

D6.1 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) all inclusive, with The City of Winnipeg being added as an additional insured, with a cross-liability clause, such liability policy to also contain a contractual liability, an unlicensed motor vehicle liability and a products and completed operations endorsement to remain in place at all times during the performance of the Work and throughout the warranty period;

automobile liability insurance for owned and non-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;

D6.2 Deductibles shall be borne by the Contractor.

D6.3 The Contractor shall provide the City Solicitor with a certificate of insurance of each policy, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than seven (7) Calendar Days from notification of the award of Contract.

D6.4 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.

### **D7. PERFORMANCE SECURITY**

D7.1 If the Contract Price exceeds twenty-five thousand dollars (\$25,000.00), the Contractor shall provide and maintain performance security until the expiration of the warranty period in the form of:

- (a) a performance bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H1: Performance Bond), in the amount of fifty percent (50%) of the Contract Price; or
- (b) an irrevocable standby letter of credit issued by a bank or other financial institution registered to conduct business in Manitoba and drawn on a branch located in Winnipeg, in the form attached to these Supplemental Conditions (Form H2: Irrevocable Standby Letter of Credit), in the amount of fifty percent (50%) of the Contract Price; or
- (c) a certified cheque or draft payable to "The City of Winnipeg", drawn on a bank or other financial institution registered to conduct business in Manitoba, in the amount of fifty percent (50%) of the Contract Price.

D7.1.1 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.

D7.2 The Contractor shall provide the City Solicitor with the required performance security within seven (7) Calendar Days of notification of the award of the Contract by way of Purchase Order and prior to the commencement of any Work on the Site.

## **SCHEDULE OF WORK**

### **D8. COMMENCEMENT**

- D8.1 The Contractor shall not commence any Work until he is in receipt of a Purchase Order from the Award Authority authorizing the commencement of the Work.
- D8.2 The Contractor shall not commence any Work on the Site until:
- (a) the Contract Administrator has confirmed receipt and approval of:
    - (i) evidence that the Contractor is 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;
    - (ii) evidence of the workers compensation coverage specified in GC:6.14;
    - (iii) evidence of the insurance specified in D6;
    - (iv) the performance security specified in D7.
  - (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.
- D8.3 The Contractor shall not commence the Work on the Site before September 5, 2006.

### **D9. SUBSTANTIAL PERFORMANCE**

- D9.1 The Contractor shall achieve Substantial Performance by October 6, 2006.
- D9.2 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.
- D9.3 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.

### **D10. TOTAL PERFORMANCE**

The Contractor shall achieve Total Performance by October 13, 2006.

- D10.2 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.
- D10.3 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.

### **D11. LIQUIDATED DAMAGES**

If the Contractor fails to achieve Substantial Performance in accordance with the Contract by the day fixed herein for Substantial Performance, the Contractor shall pay the City one hundred dollars

(\$100.00) per Working Day for each and every Working Day following the day fixed herein for Substantial Performance during which such failure continues.

D11.2 The amount specified for liquidated damages in D11.1 is based on a genuine pre-estimate of the City's losses in the event that the Contractor does not achieve Substantial Performance by the day fixed herein for same.

D11.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

**D12. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)**

Further to GC:6.26, 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).

**WARRANTY**

**D13. WARRANTY**

Notwithstanding GC:13.2, the warranty period shall begin on the date of Substantial Performance and shall expire one (1) year thereafter unless extended pursuant to GC:13.2.1 or GC:13.2.2, in which case it shall expire when provided for thereunder.



**FORM H1: PERFORMANCE BOND**  
(See D7)

KNOW ALL MEN BY THESE PRESENTS THAT

\_\_\_\_\_ ,  
(hereinafter called the "Principal"), and

\_\_\_\_\_ ,  
(hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter  
called the "Obligee"), in the sum of

\_\_\_\_\_ dollars (\$\_\_\_\_\_.)

of lawful money of Canada to be paid to the Obligee, or its successors or assigns, for the payment of which  
sum the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and  
assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has entered into a written contract with the Obligee dated the

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, for:

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FRONT ENTRANCE & VESTIBULE UPGRADES AT PAN AM POOL

which is by reference made part hereof and is hereinafter referred to as the "Contract".

NOW THEREFORE the condition of the above obligation is such that if the Principal shall:

- (a) carry out and perform the Contract and every part thereof in the manner and within the times set forth in the Contract and in accordance with the terms and conditions specified in the Contract;
- (b) perform the Work in a good, proper, workmanlike manner;
- (c) make all the payments whether to the Obligee or to others as therein provided;
- (d) in every other respect comply with the conditions and perform the covenants contained in the Contract; and
- (e) indemnify and save harmless the Obligee against and from all loss, costs, damages, claims, and demands of every description as set forth in the Contract, and from all penalties, assessments, claims, actions for loss, damages or compensation whether arising under "The Workers Compensation Act", or any other Act or otherwise arising out of or in any way connected with the performance or non-performance of the Contract or any part thereof during the term of the Contract and the warranty period provided for therein;

THEN THIS OBLIGATION SHALL BE VOID, but otherwise shall remain in full force and effect. The Surety shall not, however, be liable for a greater sum than the sum specified above.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable as Principal, and that nothing of any kind or matter whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law or usage relating to the liability of Sureties to the contrary notwithstanding.

IN WITNESS WHEREOF the Principal and Surety have signed and sealed this bond the

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ .

SIGNED AND SEALED  
in the presence of:

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Name of Principal)

Per: \_\_\_\_\_ (Seal)

Per: \_\_\_\_\_

\_\_\_\_\_  
(Name of Surety)

By: \_\_\_\_\_ (Seal)  
(Attorney-in-Fact)

**FORM H2: IRREVOCABLE STANDBY LETTER OF CREDIT  
(PERFORMANCE SECURITY)**  
(See D7)

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

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

RE: PERFORMANCE SECURITY - BID OPPORTUNITY NO. 178-2006  
FRONT ENTRANCE & VESTIBULE UPGRADES AT PAN AM POOL

Pursuant to the request of and for the account of our customer,

\_\_\_\_\_  
(Name of Contractor)

\_\_\_\_\_  
(Address of Contractor)

WE HEREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding in the aggregate

\_\_\_\_\_ Canadian dollars.

This Standby Letter of Credit may be drawn on by you at any time and from time to time upon written demand for payment made upon us by you. It is understood that we are obligated under this Standby Letter of Credit for the payment of monies only and we hereby agree that we shall honour your demand for payment without inquiring whether you have a right as between yourself and our customer to make such demand and without recognizing any claim of our customer or objection by the customer to payment by us.

The amount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon it by you or by formal notice in writing given to us by you if you desire such reduction or are willing that it be made.

Partial drawings are permitted.

We engage with you that all demands for payment made within the terms and currency of this Standby Letter of Credit will be duly honoured if presented to us at:

\_\_\_\_\_  
(Address)

and we confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us.

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

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

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

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

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

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

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

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

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

## **PART E - SPECIFICATIONS**

### **GENERAL**

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

E1.1 The following Drawings are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
178-2006-A0	Site Plan
178-2006-A1	Demolition Plan
178-2006-A2	Main Floor Plan
178-2006-A3	Elevations

#### **E2. DEMOLITION**

##### **E2.1 GENERAL**

E2.1.1 The Contractor shall furnish all labour, plant, materials, equipment and services necessary for and reasonably incidental to complete demolition of items listed and as shown on the drawings.

E2.1.2 Demolition and construction work shall be conducted with the minimum interference with pool staff and patron operations. No salvaged material shall be placed or stored on streets, sidewalks, etc. within or surrounding the Site.

E2.1.3 Demolition operations shall be conducted in such a manner as to prevent any damage to existing structures, streets, whether located on the Site or within the street right-of-way.

##### **E2.2 REFERENCE STANDARDS**

E2.2.1 Demolition shall be carried out in strict accordance with the Provincial Building Code, the Winnipeg By-Law 1544/77 and/or regulations having the force of law.

##### **E2.3 PROTECTIVE BARRICADES**

E2.3.1 The Contractor shall provide and erect chain link protective barricades as required for demolition of the front entrance and vestibule.

E2.3.2 Protective Barricades shall comply with the requirements of the Employment Safety Regulations under the Employment Safety Act and the Winnipeg By-Law pertaining to erection of barricades for protection.

E2.3.3 The Contractor shall also provide additional barricades as may be necessary for any dangerous demolition operation, in order to keep the public clear. Such temporary barricades shall be removed as soon as possible in order to prevent unnecessary interruption of traffic, etc.

#### **E3. ALUMINUM ENTRANCES AND STOREFRONTS**

##### **E3.1 Summary**

- .1 Section includes: Supply and installation of Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shim and anchors, and perimeter sealing of storefront units.
- .2 Types of Kawneer Aluminum Storefront System and Entrances:
  - .1 Exterior Framing - Trifab VG 451T, 2 inches x 4 ½ inches nominal dimension; Thermal.

- .2 Interior Framing - Trifab VG 450, 1 ¾ inches x 4 ½ inches nominal dimension; Non-Thermal.
- .3 Insulclad 360 Doors; 4 1/16 inches vertical stile dimension, 4 1/16 inch midrail, 10 inch bottom rail, 2 ¼ inch depth, high traffic applications.
- .4 350 Swing Doors; 3 ½ inches vertical stile dimension, 3 ½ inch midrail, 10 inch bottom rail, 1 ¾ inch depth, high traffic applications.

### E3.2 System Description

- .1 Air Infiltration: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft<sup>2</sup> at a static air pressure differential of 6.24 psf. For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested at a pressure differential of 6.24 psf for single doors and 1.567 psf for a pair of doors.
- .2 Water Resistance: The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a minimum static pressure differential of 8 psf as defined in AAMA 501.
- .3 Uniform Loads: A static air design load of 20 psf shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no deflection in excess of L/175 of the span of any framing member. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.
- .4 Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance shall not be more than:
  - a. Glass to Center -0.44 (low-E)
- .5 Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than:
  - a. Glass to Center -62frame and 68glass (low-E)
- .6 Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than:
  - a. Glass to Center -37 (STC) and 30 (OITC)

### E3.3 Submittals

- .1 Quality Assurance/Control Submittals: Submit certified test reports showing compliance with specified performance characteristics.

### E3.4 Warranty

- .1 Manufacturer's Product Warranty: Two (2) years from date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by Kawneer.

### E3.5 Quality Assurance

- .1 Installer Qualifications: Installer experienced to perform work of this section that has specialized in the installation of work similar to that required for this project.

### E3.6 Delivery, Storage, and Handling

- .1 Packing, shipping, handling and unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- .2 Storage and Protection: Store materials from exposure to harmful weather conditions. Handle framing material and components to avoid damage. Protect framing material against damage from elements, construction activities, and other hazards before, during and after framing installation.

### E3.7 Products

- .1 Acceptable Manufacturer: Kawneer Company, Inc.
- .2 Proprietary Product Systems: Kawneer Aluminum Storefront Systems and Aluminum Entrances.

- a. Series: Trifab VG 451T Thermal Framing System and VG 450 Framing Systems; Framing Member Profile: 2 inch x 4 ½ inch nominal dimension for 451T Series System; 1-3/4 inch x 4-1/2 inch nominal dimension for 450 Series System.
- b. Exterior and Interior Doors: Insulclad Series 360 Doors and Series 350 Swing Aluminum Doors.
- c. Finish: Clear Anodized #17.

#### E3.8 Products

- .1 Materials: Aluminum (Framing, Entrances and Components)
- .2 Material Standards: ASTM B 221; 6063-T6 alloy and temper
- .3 Tolerances: Reference to tolerances for wall thicknesses and other cross-sectional dimensions of storefront members are nominal and in compliance with AA Aluminum Standards and Data.
- .4 Accessories:
  - a. Fasteners: Where exposed, shall be Stainless Steel.
  - b. Gaskets: Glazing gaskets shall be extruded EPDM rubber.
  - c. Perimeter Anchors: Aluminum. When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.
  - d. Thermal Barrier (Trifab VG 451T): Kawneer IsoLock Thermal Break with a ¼" separation consisting of two part chemically curing, high density polyurethane which is mechanically and adhesively joined to aluminum storefront sections.

#### E3.9 Related Materials

- .1 Sealants: As per manufacturer's written instructions and recommendations.
- .2 Glazing:
  - a. Exterior Glazing – clear dual pane, sealed tempered safety glass units.
  - b. Interior Glazing – clear single pane, sealed tempered safety glass units.

#### E3.10 Fabrication

- .1 Fabricate components per manufacturer's installation instructions and with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
- .2 Accurately fit and secure joints and corners. Make joints flush, hairline and weatherproof.
- .3 Prepare components to receive anchor devices. Fabricate anchors.
- .4 Arrange fasteners and attachments to conceal from view.

#### E3.11 Finishes

- .1 Kawneer Permanodic AA-M12C22A31, AAMA 611, Architectural Class II Clear Anodic Coating, Color #17 Clear.

#### E3.12 Source Quality Control

- .1 Fabrication Tolerances: Fabricate aluminum framing in accordance with framing manufacturer's prescribed tolerances.
- .2 Site Verification: Verify substrate conditions are acceptable for product installation in accordance with manufacturer's instructions.
- .3 Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings.

#### E3.13 Installation

- .1 Dissimilar Materials: Provide separation of aluminum materials from sources of corrosion or electrolytic action contact points.
- .2 Weather tight Construction: Install sill members and other members in a bed of sealant or with joint filler or gaskets, to provide weather tight construction. Coordinate installation with wall flashings and other components of construction.
- .3 Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- .4 Provide alignment attachments and shims to permanently fasten to building structure.

- .5 Align assembly plumb and level, free of warp and twist. Maintain assembly dimensional tolerances aligning with adjacent work.

**E3.14 Field Quality Control**

- .1 Field Tests: Conduct tests for air infiltration and water penetration with manufacturer's representative present. Tests not meeting specified performance requirements and units having deficiencies shall be corrected as part of the contract amount.
- .2 Air Infiltration Tests: Conduct tests in accordance with ASTM E 783. Allowable air infiltration shall not exceed 1.5 times the amount indicated in the performance requirements or 0.09 cfm/ft<sup>2</sup>, which ever is greater.
- .3 Water Infiltration Tests: Conduct tests in accordance with ASTM E 1105. No controlled water leakage is permitted when tested at a static test pressure of two-thirds the specified water penetration pressure but not less than 6.24 psf.

**E3.15 Protection and Cleaning**

- .1 Protection: Protect installed product's finish surfaces from damage during construction. Protect aluminum storefront system from damage from grinding and polishing compounds, plaster, lime, acid, cement, or other harmful contaminants.
- .2 Cleaning: Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Contract Administrator's acceptance.

**E4. DOOR HARDWARE SCHEDULE**

**E4.1 HW SET:1 Manual Exterior Entry Pair with fixed mullion (Doors No. 1 and 2)**

2	EA	Continuous Hinge	FM-300	630	MAR
2	EA	Panic Hardware	35A-EO	626	VON
2	EA	Offset Door Pull	8190-2	630	IVE
2	EA	Surface Closer	4021 & 18	689	LCN
2	EA	Overhead Stop	100S	630	GLY
2	EA	Door Sweep	W-13S	628	KNC
2	EA	Threshold	CT-10	627	KNC
2	EA	Safety Guard	700	Alum.	LCN

**HW SET:2 Manual Exterior Entry Single (Door No. 3)**

1	EA	Continuous Hinge	FM-300	630	MAR
1	EA	Panic Hardware	35A-NL-OP	626	VON
1	EA	Offset Door Pull	8190-2	630	IVE
1	EA	Surface Closer	4021 & 18	689	LCN
1	EA	Overhead Stop	100S	630	GLY
1	EA	Door Sweep	W-13S	628	KNC
1	EA	Threshold	CT-10	627	KNC
1	EA	Safety Guard	700	Alum.	LCN

**HW SET:3 Automatic Exterior Entry Single (Door No. 4)**

1	EA	Continuous Hinge	FM-300	630	MAR
1	EA	Panic Hardware	35A-EO	626	VON
1	EA	Electric Strike	6111 FS	630	VON
1	EA	Offset Door Pull	8190-2	630	IVE
1	EA	Auto Operator	MAGIC-FORCE		STANLEY
1	EA	Overhead Stop	100S	630	GLY
1	EA	Door Sweep	W-13S	628	KNC
1	EA	Threshold	CT-10	627	KNC



1	EA	Wall Plate Switch	7910-956	630	LCN
1	EA	Key Switch	7930-219	630	LCN
2	EA	Safety Sensors	7920-912		LCN
1	EA	Remote Control	7920-959		LCN
1	EA	Safety Guard	700	Alum.	LCN

When exit device is dogged down and key switch is "ON", pressing outside or inside auto opener actuator will open door. When key switch is "OFF" outside auto opener actuator will not work. When exit device is not dogged, door cannot be opened from outside. Pressing inside auto opener actuator will momentarily release electric strike and open door. Door relocks upon closing. Fire manual egress at all times.

**HW SET:4 Manual Vestibule Entry Pair with fixed mullion (Doors No. 5 and 6)**

1	EA	Continuous Hinge	FM-300	630	MAR
1	EA	Pull/Pushbar	9190-2	630	IVE
1	EA	Surface Closer	4111 EDA & 18 ADAPTER		689 LCN
1	EA	Wall Elect Hold Open	SEM 7830-24V		689 LCN
1	EA	Key Switch	653 - 04	630	LOC
1	EA	Power Supply	510 SERIES	GRY	LOC
1	EA	Safety Guard	700	Alum.	LCN

**HW SET:5 Manual Vestibule Entry Pair with fixed mullion (Doors No. 7 and 8)**

1	EA	Continuous Hinge	FM-300	630	MAR
1	EA	Pull/Pushbar	9190-2	630	IVE
1	EA	Surface Closer	4111 EDA & 18 ADAPTER		689 LCN
1	EA	Wall Elect Hold Open	SEM 7830 - 24V		689 LCN
1	EA	Safety Guard	700	Alum.	LCN

When key switch is "ON" low voltage electric release hold opens will hold doors when doors are opened to 90 degrees. Doors can be closed manually by pulling doors off hold open or by turning key switch "OFF".

For installation of electric release hold open devices at concrete ceiling, custom galvanized steel brackets must be fabricated to suit.

Key Switch to be situated in new 6" HSS column.

**HW SET:6 Automatic Vestibule Single (Door No. 9)**

1	EA	Continuous Hinge	FM-300	630	MAR
1	EA	Pull/Pushbar	9190-2	630	IVE
1	EA	Auto Operator	MAGIC-FORCE		STANLEY
1	EA	Overhead Stop	100S	630	GLY
1	EA	Wall Plate Switch	7910-956	630	LCN
1	EA	Key Switch	7930-219	630	LCN
2	EA	Safety Sensors	7920-912		LCN
1	EA	Remote Control	7920-959		LCN
1	EA	Safety Guard	700	Alum.	LCN

Key Switch will permit auto opener to be put into Hold Open.

**E5. PAINTING**

**E5.1 PAINT SCHEDULE**

- E5.1.1 Steel - Unprimed
- (a) One coat of alkyd latex primer.
  - (b) Two coats of alkyd latex enamel.
- E5.1.2 Steel - Primed
- (a) Touch-up with alkyd primer.
  - (b) Two coats of alkyd enamel.
- E5.1.3 Steel – Galvanized
- (a) One coat of galvanize primer.
  - (b) Two coats of alkyd enamel.
- E5.1.4 Gypsum Board
- (a) One coat of alkyd primer sealer.
  - (b) Two coats of latex acrylic enamel.
- E5.1.5 Exposed structural steel or steel deck ceilings
- (a) One coat primer.
  - (b) Two coats dryfall paint eggshell finish.

## **E6. SUSPENDED ACOUSTIC CEILING**

- E6.1 Section Includes
- .1 Repairs, washing and cleaning of existing grid ceiling system and perimeter trim.
  - .2 Supply and installation of new acoustic tiles.
  - .3 Repairs or replacment of perimeter trim damaged by demolition.
  - .4 Mecanical devices in ceiling system.
  - .5 Electrical fixtures in ceiling system.
- E6.2 Related Sections
- .1 Electrical fixtures and door hold open devices in ceiling system.
- E6.3 References
- .1 ASTM E1264 - Classification of Acoustical Ceiling Products.
- E6.4 Product – Acoustic Unit Materials
- .1 Armstrong
  - .2 Canadian Gypsum Co.
  - .3 Celotex
  - .4 Acoustic Panels: ASTM E1264, 24 x 48 x ¾ inches, square edge, white colour, non directional fissured.
- E6.5 Installation – Acoustic Units
- .1 Install acoustic units in accordance with manufacturer's instructions.
  - .2 Fit acoustic units in place, free from damaged edges or other defects detrimental to appearance and function.
  - .3 Install units after above ceiling grid work is repaired and cleaned.
  - .4 Install acoustic units level, in uniform plane, and free from twist, warp and dents.
  - .5 Cut to fit irregular grid and perimeter trim.
  - .6 Extra maintenance materials – Provide 2 percent of total acoustic unit area of extra tile.