



THE CITY OF WINNIPEG

BID OPPORTUNITY

BID OPPORTUNITY NO. 166

SUPPLY AND DELIVERY OF CCTV DIGITAL VIDEO SYSTEM

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PART B - BIDDING PROCEDURES

B1. PROJECT TITLE

B1.1 SUPPLY AND DELIVERY OF CCTV DIGITAL VIDEO SYSTEM

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, November 28, 2005.

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

B3.1 Further to GC.2.01, the Bidder may attend a Site meeting from 10:00 am to 11:00 am on November 22, 2005. The Site meeting will begin in the main lobby entrance of 1155 Pacific Avenue. Attendance is **not mandatory**.

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

B3.3 All interested bidders should attend the scheduled site meeting with the Contract Administrator. This site investigation meeting will allow viewing of the main floor office where the DVR recording/monitoring equipment shall be installed as well as the lower level areas where the cameras shall be installed.

B4. ENQUIRIES

B4.1 All enquiries shall be directed to the Contract Administrator identified in D3.1(c).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 B3 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 materials, equipment, methods and products 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 seven (7) 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 material, equipment, method or product 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 Contract;
 - (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 Contract.
- 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 price(s) 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;
- B7.2 All components of the Bid Submission shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely in ink, to constitute a responsive Bid.
- B7.3 The Bid Submission may be submitted by mail, courier or personal delivery, or by facsimile transmission.
- B7.4 If the Bid Submission is submitted by mail, courier or personal delivery, it shall be enclosed and sealed in an envelope clearly marked with the Bid Opportunity number and the Bidder's name and address, and shall be submitted to:
- The City of Winnipeg
Corporate Finance Department
Materials Management Branch
185 King Street, Main Floor
Winnipeg MB R3B 1J1
- B7.4.1 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.
- B7.5 If the Bid Submission is submitted by facsimile transmission, it shall be submitted to (204) 949-1178
- B7.5.1 The Bidder is advised that the City cannot take responsibility for the availability of the facsimile machine at any time.
- B7.6 Bid Submissions submitted by internet electronic mail (e-mail) will not be accepted.

B8. BID

- B8.1 The Bidder shall complete Form A: Bid, making all required entries.
- B8.2 Paragraph 2 of Form A: Bid shall be completed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his 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 a price in Canadian funds for each item of the Work identified on Form B: Prices.

B9.1.1 Prices on Form B: Prices shall include:

- (a) duty;
- (b) freight and cartage;
- (c) Provincial and Federal taxes [except the Goods and Services Tax (GST) and Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable] and all charges governmental or otherwise paid;
- (d) profit and all compensation which shall be due to the Contractor for the Work and all risks and contingencies connected therewith.

B9.2 The quantities listed on Form B: Prices are to be considered approximate only. The City will use said quantities for the purpose of comparing Bids.

B9.3 The quantities for which payment will be made to the Contractor are to be determined by the Work actually performed and completed by the Contractor, to be measured as specified in the applicable Specifications.

B10. QUALIFICATION

B10.1 The Bidder shall:

- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Bidder does not carry on business in Manitoba, in the jurisdiction where the Bidder does carry on business;
- (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 not be opened publicly.

B11.2 Within two (2) Business Days 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 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.7.05(2), 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) Bid Price;
- (d) economic analysis of any approved alternative pursuant to B6.

B14.2 Further to B14.1(a), the Bidder shall, within two (2) Business Days of a request by the Buyer, provide representative samples of the materials proposed to be used in the Work.

B14.3 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.

B14.4 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.

- (a) This Contract may be awarded on the basis of:
 - (i) Alternative 1 – Section A; or
 - (ii) Alternative 2 – Section A and Section B.

as identified on Form B: Prices. Each alternative will be evaluated in accordance with the specified evaluation criteria.

- B14.4.1 The City shall not award Section B separately.
- B14.4.2 Notwithstanding B9.1, the Bidder may, but is not required to, bid on both alternatives.
- B14.4.3 The City shall not be obligated to award any section to the responsible Bidder submitting the lowest evaluated responsive Bid for that section and shall have the right to choose the alternative which is in its best interests. If the Bidder has not bid on both alternatives or on all sections in Alternative 2, he/she shall have no claim against the City if his/her partial Bid is rejected in favour of an award of the Contract on the basis of an alternative or section upon which he/she has not bid.

Section A

- B14.5 Further to B14.4, Section A will be evaluated on the basis of the lowest Bid Price which shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices.

Section B

- B14.6 Further to B14.4, Section B, Installation will be evaluated on the basis of the lowest Bid Price. Installation shall be awarded only if it is more economical to do so than the City can install using its own personnel.

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.3.01 and GC.3.02, the City will issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.
- B15.5 The Contract Documents, as defined in GC.1.01(7), in their entirety shall be deemed to be incorporated in and to form a part of the Purchase Order notwithstanding that they are not necessarily attached to or accompany said Purchase Order.

PART C - GENERAL CONDITIONS

C1. GENERAL CONDITIONS

C1.1 The *General Conditions for the Supply and Delivery of Goods* (Form 21: 88 03) are applicable to the Work of the Contract.

C1.1.1 The *General Conditions for the Supply and Delivery of Goods* 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 the Supply and Delivery of Goods*, these Supplemental Conditions are applicable to the Work of the Contract.
- D1.2 The General Conditions are amended by striking out "The City of Winnipeg Act" wherever it appears in the General Conditions and substituting "The City of Winnipeg Charter".
- D1.3 The General Conditions are amended by striking out "Board of Commissioners" or "Commissioner" wherever it appears in the General Conditions and substituting the "Chief Administrative Officer".
- D1.4 The General Conditions are amended by striking out "Tender Package" wherever it appears in the General Conditions and substituting "Bid Opportunity".
- D1.5 The General Conditions are amended by striking out "Tender Submission" wherever it appears in the General Conditions and substituting "Bid Submission".
- D1.6 The General Conditions are amended by striking out "Bidding Instructions" wherever it appears in the General Conditions and substituting "Bidding Procedures".

D2. SCOPE OF WORK

- D2.1 The Work to be done under the Contract shall consist of the supply and delivery of digital CCTV video cameras and recording system in accordance with the requirements hereinafter specified..

D3. DEFINITIONS

- D3.1 When used in this Bid Opportunity:
- (a) "**Business Day**" means any Calendar Day, other than a Saturday, Sunday, or a Statutory or Civic Holiday;
 - (b) "**Submission Deadline**" and "**Time and Date Set for the Final Receipt of Bids**" mean the time and date set out in the Bidding Procedures for final receipt of Bids;
 - (c) "**CCTV**" means Closed Circuit Television;
 - (d) "**DVR**" means Digital Video Recorder,
 - (e) "**OSD**" means On Screen Display,
 - (f) "**CD**" means Compact Disc,
 - (g) "**ID**" means Identification,
 - (h) "**LAN**" means Local Area Network,
 - (i) "**AWG**" means American Wire Gauge,
 - (j) "**DC**" means Direct Current,
 - (k) "**AC**" means Alternating Current'
 - (l) "**FPS**" means Frames per Second,
 - (m) "**PC**" means Personal Computer,

- (n) “**RAM**” means Random Access Memory,
- (o) “**UPS**” means Uninterruptible Power Supply,
- (p) “**SVGA**” means Super Video Graphics Array,
- (q) “**CCD**” means Charged Coupled Device,
- (r) “**I.T.**” means Information Technology,
- (s) “**KVM**” means Keyboard Video Mouse.

D4. CONTRACT ADMINISTRATOR

- D4.1 The Contract Administrator is:
Jason LaFrance, P.Eng.
Radio / Electronics Engineer
Communications Systems Branch
421 Osborne Street
Winnipeg, Manitoba, R3L 2A2
Telephone No. (204) 986-3022
Facsimile No. (204) 986-2666

D5. NOTICES

- D5.1 GC.7.05 is hereby amended to delete reference to "registered mail" and to replace same with "ordinary mail".
- D5.2 GC.7.05 is further amended hereby to include delivery by facsimile transmission (fax) as an acceptable means of delivering notices, consents, approvals, statements, authorizations, documents or other communications required or permitted to be given under this Contract. Deliveries by fax will be deemed to have been received on the day of delivery, if a business day, or if not a business day, on the business day next following the day of delivery.
- D5.3 Further to GC.7.05, all notices, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D5.4, D5.5 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(c).1.
- D5.4 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
- D5.5 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. AUTHORITY TO CARRY ON BUSINESS

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

D7. WORKERS COMPENSATION

D7.1 The Contractor shall be registered with the Workers Compensation Board of Manitoba, shall provide and maintain Workers Compensation coverage throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

D8. INSURANCE

D8.1 The Contractor shall provide and maintain 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, to remain in place at all times during the performance of the Work.

D8.2 Deductibles shall be borne by the Contractor.

D8.3 The Contractor shall provide the Contract Administrator with a certificate of insurance of the policy 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.

D8.4 The Contractor shall not cancel, materially alter, or cause the policy to lapse without providing at least fifteen (15) Calendar Days prior written notice to the Contract Administrator.

SCHEDULE OF WORK

D9. COMMENCEMENT

D9.1 The Contractor shall not commence any Work until he is in receipt of a Purchase Order authorizing the commencement of the Work.

D9.2 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 D7;
 - (iii) evidence of the insurance specified in D8;
- (b) the Contractor has attended a meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a meeting.

- D9.3 In the event the City chooses to award the optional installation of the CCTV system, the Contractor shall commence the Installation on the Site within thirty (30) Calendar Days of receipt of the Purchase Order.
- D9.4 Phase 1 of the Installation as defined E2.9(b)(i) shall be completed within forty five (45) Calendar Days from date of commencement outlined in D9.3.
- D9.5 The Contractor shall complete Phase 2 of the Installation approximately 4 months after award of Contract. The Contractor will be notified by the Contract Administrator to schedule the completion of the Installation.
- D9.6 Phase 2 of the Installation as defined E2.9(b)(ii) shall be completed within fifteen (15) Calendar Days of notification from the Contract Administrator.

WARRANTY

D10. WARRANTY

- D10.1 The Contractor warrants that the Work will be free of any and all defects or deficiencies for a period of not less than one (1) year from the date of completion and acceptance by the Contract Administrator as specified in D4.1.
- D10.2 Further to GC.10.01, if a defect or deficiency prevents the full and normal use or operation of the Work or any portion thereof, for purposes of calculating the warranty period, time shall be deemed to cease to elapse for the defective or deficient portion, and for any portion of the Work whose use or operation is prevented by such defect or deficiency, as of the date on which the defect or deficiency is observed or the use or operation is prevented and shall begin to run again when the defect or deficiency has been corrected or the Work may be used or operated to the satisfaction of the Contract Administrator.
- D10.3 Notwithstanding GC.10.01, GC.10.02 and D10.2, if any law of Manitoba or of the jurisdiction in which the Work was manufactured requires, or if the manufacturer provides, a longer warranty period or a warranty which is more extensive in its nature, then the provisions of such law or manufacturer's warranty shall apply.

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. GOODS

E2.1 The Contractor shall supply and deliver digital CCTV video cameras and recording equipment in accordance with the requirements hereinafter specified.

E2.2 Item No. 1 – Digital Video Recorder shall have the following minimum features:

- (a) Must be a PC based Digital Video Recorder system complete with:
 - (i) user friendly graphical user interface,
 - (ii) a minimum of 256MB RAM,
 - (iii) a mouse,
 - (iv) a keyboard,
 - (v) a main monitor SVGA output
 - (vi) a CD/RW internal media drive,
 - (vii) a minimum 120-gigabyte internal hard drive, with the capability of upgrade,
 - (viii) a LAN card interface,
 - (ix) a built in modem for dial up connectivity,
 - (x) software for Web and remote P.C. accessibility.
- (b) Must be capable of saving multiple recorded still images from video to either internal floppy drive **or** internal CD/RW drive **or** external flash drive. Note: If method of still image saving relies on external flash drive, the DVR must have supplied with it said external flash drive device capable of storing at least 50 still images at one time.
- (c) Video compression can be proprietary, however system must be capable of exporting recorded video in formats that allow a user to playback exported video on a separate P.C. without requiring special software.
- (d) Must have a minimum of eight (8) video camera inputs and one (1) main monitor output and should have one (1) spot monitor output.
- (e) Must be capable of a minimum of 30 fps live viewing display and recording rate for four (4) cameras. A degradation in fps is allowable for any additional cameras. The recording rate should be user adjustable.
- (f) Must provide simultaneous recording and playback feature.
- (g) Must be capable of User adjustable image quality resolution including 640x480 quality.
- (h) The user must have the capability to select a screen display window format of one (1), or four (4), or nine (9) cameras simultaneously.
- (i) Must have the following security lockdown features:
 - (i) Multilayered security system for user ID and password access and user configuration.
- (j) Must have continuous, motion detection, alarm and scheduled recording features.
- (k) Should have adjustable video motion detection algorithms.
- (l) Must have at least one line level audio input.

- (m) Must be able to provide search functions by time/date or by image.
- (n) Should be able to provide a reporting table which can show recording status and alarms.
- (o) Must provide the following image enhancement functions: zoom in/out, contrast, sharpness.
- (p) Must perform the following OSD functions: camera ID, location, status. These OSD functions must be configurable by the user to customize display screens.
- (q) Should provide protocols for pan/tilt/zoom control.
- (r) Should have a minimum of 3-year parts and labour warranty on the DVR and one year on the hard drive.

E2.3 Item No. 2 – 2 port KVM switch shall have the following minimum features:

- (a) The 2 port KVM switch must provide an affordable Keyboard Video Mouse solution that saves workspace and gives control of the specified DVR and one PC type desktop PS/2 computer (not part of this contract), all from a single monitor, keyboard, and mouse.
- (b) All KVM extension cabling must be included with minimum lengths of 6 feet for connections of keyboard, mouse and video.
- (c) The KVM switch should not require its own power supply, and should draw power from the attached DVR or computer.
- (d) The switch must support a minimum video resolution of 1024 x 768.
- (e) The switch must ensure smooth boot up and operation of DVR and PC simultaneously.
- (f) Switching between DVR and PC can be accomplished via either a switch/button or via “hot keys”.
- (g) The switch should support multiple operating systems.
- (h) The switch should support wheel mice.
- (i) The switch must come complete with users manual.

E2.4 Item No. 3 – CCTV Camera shall have the following minimum features:

- (a) Surface mount high resolution colour dome camera.
- (b) Solid aluminium housing material with tamper resistant / vandal resistant Plexiglas dome.
- (c) Operating temperature range of -10 degrees Celsius to +50 degrees Celsius.
- (d) 480 TV lines resolution minimum.
- (e) 4mm to 9mm varifocal auto-iris lens.
- (f) 1/3” CCD colour image sensor, with low light capabilities of 0.3 lux or higher sensitivity.
- (g) Backlight compensation, and auto gain control.
- (h) Voltage supply regulated 12 VDC or 24 VAC.

E2.5 Item No. 4 – CCTV Camera for I.T. Lab shall have the following minimum features:

- (a) Suitable for optimal viewing coverage of the Information Technology Laboratory room, whose dimensions are approximately 30 feet in width by 30 feet in length by 12 feet in ceiling height.
- (b) Surface mount high resolution colour camera mounted in one of the corners of the room.
- (c) Solid housing material that is tamper resistant / vandal resistant.
- (d) Operating temperature range of -10 degrees Celsius to +50 degrees Celsius.
- (e) 480 TV lines resolution minimum.

- (f) Should have a wide angle lens for optimal coverage of the laboratory.
 - (g) 1/3" CCD colour image sensor, with low light capabilities of 0.3 lux or higher sensitivity.
 - (h) Backlight compensation and auto gain control.
 - (i) Voltage supply regulated 12 VDC or 24 VAC.
- E2.6 Item No. 5 – Uninterruptible Power Supply (UPS) shall have the following minimum features:
- (a) Provide power back-up, surge, overload and short circuit protection to the CCTV system and cameras.
 - (b) Must have a minimum of 30 minutes back-up battery time.
 - (c) Should have power management software compatible with DVR system.
- E2.7 Item No. 6 – Camera Distribution Power Panel shall have the following minimum features:
- (a) A minimum 8 channel (zone) 12VDC or 24VAC output power distribution panel and equipment to provide power to cameras on site.
 - (b) Power distribution panel should be equipped with a lock.
- E2.8 Item No. 7 – Training and Documentation shall consist of:
- (a) A scheduled training session for employees of 1155 Pacific Avenue relating to CCTV system, equipment, and software operation.
 - (b) All CCTV system and equipment manuals shall be provided to the Manager of Finance and Administration – Public Works, at 1155 Pacific Avenue upon system activation.
- E2.9 Item No. 8 – Installation (**optional**):
- (a) Complete installation of CCTV system equipment as specified above at 1155 Pacific Avenue shall include:
 - (i) Video coaxial cabling and all necessary connectors to receive video from all the cameras.
 - (ii) Appropriate power cabling for low voltage applications and all necessary connectors to supply power to all the cameras. The gauge (AWG) must be appropriate for the length of each cable run for each camera.
 - (iii) Exposed video and power cable shall be protected with steel conduit. Areas hidden above ceilings or in raceway's may not need steel conduit as determined to an acceptable standard as agreed upon by the Contract Administrator and Contractor. All cabling and conduit runs must comply with local building codes and cabling must be FT4 rated.
 - (iv) Static discharge protection on all cameras.
 - (v) A complete CCTV system equipment list and installation drawings and wiring diagrams at time of system activation, with one copy of each to:
 - 1) Manager of Finance and Administration – Public Works
 - 2) Contract Administrator.

NOTE: Floor Plans will be provided by the Contract Administrator to the Contractor in the event The City Awards Alternative 2 as detailed in B14.6.

- (b) Installation shall occur in two phases.
 - (i) The first phase shall include installation of cameras and camera distribution power panel and cabling/conduit runs to the future location of the DVR. The first phase of installation shall begin within thirty (30) Calendar days of receipt of purchase order.

- (ii) The second phase shall include the installation of the DVR, the UPS, and the KVM switch including all set-up and software configuration. The second phase of installation shall begin approximately 4 months after the end of the first phase.
- (c) Camera locations:
 - (i) Camera 1 shall be installed indoors, in the lower level northeast side of 1155 Pacific Avenue, for coverage of the Information Technology laboratory and equipment storage corridor.
 - (ii) Camera 2 shall be installed indoors, in the lower level northeast side of 1155 Pacific Avenue, for coverage of the Information Technology storage room.
 - (iii) Camera 3 shall be installed indoors, in the lower level northeast side of 1155 Pacific Avenue, for coverage of the Information Technology laboratory.
- (d) The DVR recording/monitoring equipment shall be installed in the main floor office, southeast side of 1155 Pacific Avenue, in the office of the Manager of Finance and Administration for Public Works.

E3. DELIVERY

- E3.1 Further to B14.4 the Goods shall be delivered within thirty (30) Calendar Days of the award of Contract, f.o.b. City of Winnipeg Communications Systems Branch, 421 Osborne Street, Winnipeg, Manitoba, R3L 2A2, freight prepaid.
 - (a) Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.
- E3.2 Further to D9.3 and D9.4 in the event the City chooses to award the optional installation of the CCTV system:
 - (a) Items related to phase two of the installation; namely the DVR, the UPS, and the KVM switch shall be delivered within thirty (30) Calendar Days of the award of Contract, f.o.b. City of Winnipeg Communications Systems Branch, 421 Osborne Street, Winnipeg, Manitoba, R3L 2A2, freight prepaid.
 - (b) Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.