



**THE CITY OF WINNIPEG**

# **BID OPPORTUNITY**

**BID OPPORTUNITY NO. 212**

**SUPPLY AND INSTALLATION OF NETWORKING DIGITAL VIDEO SYSTEMS FOR  
PARKADES**

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## **PART B - BIDDING PROCEDURES**

### **B1. CONTRACT TITLE**

B1.1 SUPPLY AND INSTALLATION OF NETWORKING DIGITAL VIDEO SYSTEMS FOR PARKADES

### **B2. SUBMISSION DEADLINE**

- B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, March 16, 2007.
- 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 **should** attend the Site meetings at all three parkades. Site Investigation meetings will begin at **9:00 am on March 5, 2007**, at the Civic Centre Parkade, 171 Princess Street, at the Princess Street entrance. The Site meeting will then immediately continue at the Millennium Library Parkade, 251 Donald Street, followed by a Site meeting immediately following at the Winnipeg Square Parkade, 299 Fort Street.
- B3.2 All interested bidders **should** attend the scheduled site meetings at the three parkades with the Contract Administrator. The site investigation meetings will allow viewing of the surveillance areas, the camera locations including cabling/conduit requirements for same, riser locations, and the location of on site areas for networked recording/monitoring equipment and City of Winnipeg LAN/WAN locations at all three parkades.
- B3.3 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.
- B3.4 The Bidder will be responsible for any parking fees paid during the parkade site investigation visits.

### **B4. ENQUIRIES**

- B4.1 All enquiries shall be directed to the Contract Administrator identified in D4.1.
- 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 the Submission Deadline.
- 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 B15.
- 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;
  - (c) Credentials and Experience required to be submitted in B11; ;
  - (d) P.C. and any Internet browser requirements required to be submitted in D2.2(f).
  - (e) Information required to be submitted in Specifications E2 including the user adjustable bandwidth selection options in E2.2(c)(ii).
- 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. CREDENTIALS AND EXPERIENCE**

### **B11.1 The Bidder shall provide, in his Bid Submission:**

- (a) Credentials and Experience which as a minimum clearly includes:
  - (i) a list of previously completed projects, similar in nature, scope, and value to the Work, in sufficient detail to demonstrate the Bidder's experience and qualification to undertake the Work. Two contact references shall be provided.
  - (ii) how many technicians are employed by the Bidder, and their qualifications to perform the Work;
  - (iii) detail pertaining to the Bidder being "manufacturer" authorized and trained to perform installation and maintenance work on the video system.
  - (iv) response time for service calls related to items 4, 8, 12 on Form B;
  - (v) quantity of service trucks capable of performing items 4, 8, 12 on Form B;
  - (vi) percentage of "off the shelf" equipment readily available in North America as it relates to the project and timely maintenance of the video system.

## **B12. OPENING OF BIDS AND RELEASE OF INFORMATION**

**B12.1** Bid Submissions will not be opened publicly.

**B12.2** After the Submission Deadline, the names of the Bidders and their bid prices (unevaluated, and pending review and verification of conformance with requirements) will be available on the

Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt>.

B12.3 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>.

B12.4 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.

### **B13. IRREVOCABLE BID**

B13.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Bid.

B13.2 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.

### **B14. WITHDRAWAL OF BIDS**

B14.1 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.

B14.1.1 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.

B14.1.2 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.

B14.1.3 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 B14.1.3(b), declare the Bid withdrawn.

B14.2 A Bidder who withdraws his Bid after the Submission Deadline but before his Bid has been released or has lapsed as provided for in B13.2 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.

### **B15. EVALUATION OF BIDS**

B15.1 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) Credentials and Experience defined in B11; 25%
- (d) PC, and browsers, and bandwidth selection options 5%;
- (e) Total Bid Price; 70%



- (f) economic analysis of any approved alternative pursuant to B6.
- B15.2 Further to B15.1(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.
- B15.3 Further to B15.1(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.
- B15.4 Further to B15.1(c), the Credentials and Experience shall be evaluated based on: previously completed projects similar in nature, scope and value, the quantity of technicians qualified to perform work, being manufacturer authorized and trained to perform installation and maintenance, response time, service trucks, "off the shelf equipment readily available in North America as it relates to the project and timely maintenance of the video system.
- B15.5 Further to B15.1(d), PC, and browsers, and bandwidth selection options shall be evaluated based on the information required to be submitted.
- B15.6 Further to B15.1(e), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices.
- B15.6.1 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.
- B15.7 This Contract will be awarded as a whole.

## **B16. AWARD OF CONTRACT**

- B16.1 The City will give notice of the award of the Contract or will give notice that no award will be made.
- B16.2 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.
- B16.2.1 Without limiting the generality of B16.2, 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.
- B16.3 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.
- B16.3.1 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.
- B16.4 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.
- B16.5 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 this Contract shall consist of **Phase 1 only (unless otherwise specified)** supply and installation and maintenance of three networking digital video systems for Winnipeg Parking Authority parkades in accordance with the requirements hereinafter specified. The three parkades are:
1. Civic Centre Parkade – 171 Princess Street.
  2. Millennium Library Parkade – 251 Donald Street.
  3. Winnipeg Square Parkade – 299 Fort Street.

**Phase 1** work shall mean supply, installation and maintenance for year 1 of the project.

**Phase 2** work shall mean supply, installation and maintenance for year 2 of the project. **NOTE: Phase 2 work is described within the requirements hereinafter, however is not part of this Contract (unless otherwise specified).**

**Phase 3** work shall mean supply, installation and maintenance for year 3 of the project. **NOTE: Phase 3 work is described within the requirements hereinafter, however is not part of this Contract (unless otherwise specified).**

- D2.2 The major components of the Work are as follows:
- (a) Supply, installation and maintenance of networkable outdoor/vandalproof rated pan-tilt-zoom video cameras, housings, mounting brackets, hardwares and associated power supply, cabling/connectors and conduit for **Phase 1** only work at the Civic Centre Parkade and the Millennium Library Parkade and the Winnipeg Square Parkade. This equipment shall be common to all three parkades. **Note: The camera power distribution supply shall be sized in accordance to the demand represented to the end of Phase 3 work.**
  - (b) Supply, installation and maintenance of networkable outdoor/vandalproof rated fixed dome video cameras, housings, mounting bracket hardware and associated power supply, cabling/connectors and conduit for **Phase 1** only work at the Civic Centre Parkade and the Millennium Library Parkade and the Winnipeg Square Parkade. This equipment shall be common to all three parkades. **Note: The camera power distribution supply shall be sized in accordance to the demand represented to the end of Phase 3 work.**

- (c) Supply, installation and maintenance of networkable digital video recorder systems (including UPS – uninterruptible power supply peripherals) hereinafter described for **Phase 1** only work at the Civic Centre Parkade and the Millennium Library Parkade and the Winnipeg Square Parkade. This equipment shall be common to all three parkades. The digital video recorder system at each parkade shall connect to the City of Winnipeg's LAN/WAN. Each parkade system shall be responsible for recording surveillance information from the cameras within its parkade. **Note: The UPS shall be sized in accordance to the demand represented to the end of Phase 3 work.**
- (d) Supply, installation and maintenance of networkable Video Management Software, and Pan Tilt Zoom controllers (as necessary in either software or hardware format) for installation on City of Winnipeg P.C's located at 495 Portage Ave. The software and camera control (for pan-tilt-zoom cameras) shall communicate over the City of Winnipeg's LAN/WAN for live control and viewing of cameras at the Civic Centre Parkade and the Millennium Library Parkade and the Winnipeg Square Parkade. Said networkable software must also be capable of communication to each of the digital video recorders in the parkades for viewing and processing recorded surveillance data. This software shall be common at 495 Portage for communication to equipment at **all three** parkades.
- (e) Complete installation of conduit Risers, including coring, to access applicable parkade levels. **Riser conduit and Riser junction boxes (at each parkade level) shall be sized in accordance to the end of Phase 3 work.**
- (f) Minimum P.C.and any Internet browser requirements for software shall be specified in bid submission.
- (g) User adjustable bandwidth throttle output control from the digital video recorder system on to the City of Winnipeg's LAN/WAN shall be specified in the bid submission, including the user adjustable bandwidth selection options. Note: The bid submission must also identify the bandwidth load on a network when multiple users are accessing the recorder device at the same time.

### 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) "**LAN**" means Local Area Network, namely a local network of connecting computers and other electronic equipment to create a communication system between offices;;
- (d) "**WAN**" means Wide Area Network, namely a computer network which spans great distances. Usually connects many LANs together. A WAN is typically used in an organization to connect their sites together;
- (e) "**P.C.**" means Personal Computer;.
- (f) "**DVR**" means Digital Video Recorder;
- (g) "**TCP/IP**" means Transmission Control Protocol/Internet Protocol, namely, a protocol for communication between computers, used as a standard for transmitting data over networks and as the basis for standard Internet protocols;
- (h) "**FPS**" means frames per second.

D3.2 Notwithstanding GC.1.01, when used in this Bid Opportunity:

### 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 D4.1.
- D5.4 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  
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(s) 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 The Contractor shall commence the Work on the Site(s) within fifteen (15) Calendar Days of receipt of the Purchase Order.

### **D10. SCHEDULED MAINTENANCE**

D10.1 The Contractor shall perform the following scheduled maintenance in the manner and within the time periods required by the Specifications:

- (a) Maintenance of Digital Video System (One Year only) – Civic Centre Parkade as specified in E2.5.;
- (b) Maintenance of Digital Video System (One Year only) – Millennium Library Parkade as specified in E2.9.;
- (c) Maintenance of Digital Video System (One Year only) – Winnipeg Square Parkade as specified in E2.13..

D10.2 All scheduled maintenance shall be completed prior to the expiration of the warranty period. Where the scheduled maintenance cannot be completed during the warranty period, the

warranty period shall be extended for such period of time as it takes the Contractor to complete the scheduled maintenance.

## **WARRANTY**

### **D11. WARRANTY**

- D11.1 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.
- D11.2 Notwithstanding GC.10.01 and GC.10.02, 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.

E1.2 The Work to be done under this Contract shall consist of **Phase 1 only** (unless otherwise specified) supply, installation and maintenance of three networking digital video systems for Winnipeg Parking Authority parkades in accordance with the requirements hereinafter specified. The three parkades are:

1. Civic Centre Parkade – 171 Princess Street.
2. Millennium Library Parkade – 251 Donald Street.
3. Winnipeg Square Parkade – 299 Fort Street.

**Phase 1** work shall mean supply, installation and maintenance for year 1 of the project.

**Phase 2** work shall mean supply, installation and maintenance for year 2 of the project. **NOTE: For clarity, Phase 2 work is described and depicted within the requirements and drawings hereinafter, however is not part of this Contract unless otherwise specified.**

**Phase 3** work shall mean supply, installation and maintenance for year 3 of the project. **NOTE: For clarity, Phase 3 work is described and depicted within the requirements and drawings hereinafter, however is not part of this Contract unless otherwise specified.**

E1.3 The following Drawings are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
<b>212_Drawing_1069-VY041-A4-A1 (4 Sheets)</b>	<b>Civic Parkade – 171 Princess Street, Level One, Two, Three, Four, Video System Arrangement Diagram (4 Sheets).</b>
<b>12_Drawing_1036-VY042-A4-A1 (2 Sheets)</b>	<b>Millennium Library Parkade – 251 Donald Street, Library Parkade, Upper Level, Lower Level Video System Arrangement Diagram (2 Sheets).</b>
<b>212_Drawing_1015-VY043-A4-A1 (3 Sheets)</b>	<b>Winnipeg Square Parkade – 299 Fort Street, Level 1, 2, 3, Video System Arrangement Diagram (3 Sheets).</b>

E1.4 The aforementioned drawings depict numbers next to each camera. These numbers represent a project phase. The Work to be done under this Contract consists of **Phase 1 work only**, unless otherwise specified. Other project phases are depicted on the drawings for clarity and future work.

E1.5 Specific room locations for installation of all recording/monitoring equipment, including the provided City of Winnipeg LAN/WAN locations will be identified for all three parkades at the Site Investigation meetings. Namely:

- (i) Civic Centre Parkade – P1 Storage Room (at Stairwell).
- (ii) Millennium Library Parkade – P1 Central MSA Room.
- (iii) Winnipeg Square Parkade – P2 Main Electrical Room West.

E1.6 Suggested Riser locations to access applicable parkade levels will be identified for two parkades at the Site Investigation meeting. Said Risers shall be supplied and installed (including coring) by the Contractor. **Riser conduit and junction boxes shall be sized in accordance to end of Phase 3 work.** Suggested Riser locations are:



- (i) Civic Centre Parkade – Lobby (West of Stairwell).
- (ii) Winnipeg Square Parkade – East of P2 Main Electrical Room.

## E2. GOODS

E2.1 The Contractor shall supply, install and maintain three networking digital video systems (one system at each parkade) for **Phase 1 only** work (unless otherwise specified) in accordance with the requirements hereinafter specified. **All system components shall be the same make and model and consistent at all three parkades.**

E2.2 Item No. 1 - Networking Digital Video System - Civic Centre Parkade (Phase 1 only) shall consist of:

- (a) A quantity of one (1) networkable outdoor vandalproof rated pan-tilt-zoom video camera complete with:
  - (i) High resolution and networkable pan tilt zoom operation for the capability of surveillance viewing and identifying vehicles and members of the public at any time of the day or night within the parkade per mounting location(s) identified in the specification drawing(s).
  - (ii) Selectable Colour and Black/White modes, low light sensitivity, backlight compensation, auto gain control and automatic varifocal optical and digital zoom capabilities for parkade surveillance and person identification given mounting locations identified in the specification drawing(s).
  - (iii) 480 TV lines resolution minimum.
  - (iv) Capability to schedule pre-programmed pan-tilt-zoom patrol sweeps of surveillance areas.
  - (v) Associated weather and vandal resistant outdoor rated housings for an operating temperature range of -40 to +40 degrees Celsius.
  - (vi) Associated wall or ceiling mounting hardware allowing for an unobstructed view of parkade activity. Note: Mounting hardware shall be installed to allow for vehicle clearances within the parkade.
  - (vii) Associated camera power distribution supply panel, video and power and control cabling, connectors, and protective steel conduit, for video and power and control, including all necessary camera heaters and cooling fans for installation within the parkade. The networkable cameras shall ultimately communicate information via the provided City of Winnipeg's LAN/WAN from the parkade to 495 Portage Ave. **Note: The camera power distribution supply shall be sized in accordance to the demand represented to the end of Phase 3 work.**
- (b) A quantity of four (4) networkable outdoor vandalproof rated fixed dome video cameras complete with:
  - (i) High resolution and networkable colour dome camera for the capability of surveillance viewing and identifying vehicles and members of the public at any time of the day or night within the parkade per mounting location(s) identified in the specification drawing(s).
  - (ii) A minimum 1/3" CCD colour image sensor with low light black/white mode capabilities for the capability of surveillance viewing and identifying vehicles and public at any time of the day of night within the parkade per mounting location(s) identified in the specification drawings(s).
  - (iii) Backlight compensation, and auto gain control.
  - (iv) At least 4mm to 9mm varifocal auto-iris lens for parkade surveillance and person identification given mounting locations identified in the specification drawing(s).
  - (v) 480 TV lines resolution minimum.
  - (vi) Associated weather, vandal, and tamper resistant outdoor rated housings for an operating temperature range of -40 to +40 degrees Celsius.

- (vii) Associated wall or ceiling mounting hardware allowing for an unobstructed view of parkade activity. Note: Mounting hardware shall be installed to allow for vehicle clearances within the parkade.
  - (viii) Dome should provide for manual position (such as 3 axis pan/tilt/rotation) to allow for optimum camera rotation placement.
  - (ix) Associated camera power distribution supply panel, video and power cabling, connectors, and protective steel conduit for video and power, including all necessary camera heaters and cooling fans for installation within the parkade. The networkable cameras shall ultimately communicate information via the City of Winnipeg's LAN/WAN from the parkade to 495 Portage Avenue. **Note: The camera power distribution supply shall be sized in accordance to the demand represented to the end of Phase 3 work.**
- (c) A quantity of one (1) networkable digital video recorder system complete with:
- (i) The capability of connectivity via TCP/IP to the City of Winnipeg's on site LAN/WAN. The networkable digital video recorder shall communicate pan-tilt-zoom and fixed dome camera information over said LAN/WAN from the parkade to 495 Portage Avenue.
  - (ii) The capability of user adjustable bandwidth throttle output control from the digital video recorder system on to the City of Winnipeg's LAN/WAN. **Said bandwidth control ratings and user adjustable bandwidth selection options shall be specified in the bid submission. Note: The bid submission must also identify the bandwidth load on a network when multiple users are accessing the recorder device at the same time.**
  - (iii) A minimum of sixteen (16) video camera inputs.
  - (iv) The capability of rack mount or shelf installation.
  - (v) Local recording and storing functions of all surveillance information via networked pan-tilt-zoom cameras and networked fixed dome cameras located within the parkade.
  - (vi) Capability to setup, configure and view surveillance information/parameters via external devices such as a laptop or other external device at the parkade. **NOTE: Said external devices are not part of this Contract.**
  - (vii) Capability to directly or remotely interconnect additional digital video recorders of similar model without loss of features as future needs and phase work dictate. **Note: Additional digital video recorders are not part of this Contract.**
  - (viii) Capability for pan, tilt, zoom control including user adjustable settings for scheduling programmed **automatic** pan-tilt-zoom patrol sweeps of the surveillance area for all pan-tilt-zoom cameras.
  - (ix) User adjustable video motion detection algorithms.
  - (x) Video compression propriety or otherwise with the ability of exporting recorded video in formats that allow a user to playback exported video on a separate computer workstation without requiring special software.
  - (xi) Multiple user adjustable resolution formats with the capability of a minimum of 120 fps display over LAN/WAN (assuming unlimited bandwidth) and 120 fps recording rate for sixteen (16) camera channels. The recording frame rate shall be user adjustable for each camera.
  - (xii) Sufficient internal hard disk space to store recorded information for a minimum of a 2 week (14 days) period of time based on (iii). Hard disk space shall have the capability of expansion upgrade.
  - (xiii) Capability to locally (at said parkade) extract recorded surveillance video information via external media, such as CD or DVD or flash media. Must also be capable of saving multiple recorded still images from video to either floppy drive or CD or DVD drive or flash drive. If method of video capture or still image capture relies exclusively on external flash drive, the digital video recorder must have supplied with it said external flash drive capable of storing at least 50 still images at one time.

- (xiv) User capability to select screen display formats of single or multiple camera displays simultaneously.
  - (xv) Secure multilayered user login features for identification and password access for multiple users.
  - (xvi) Search functions by time/date including simultaneous recording and playback feature.
  - (xvii) Capable of user customization screens of on screen display functions: camera ID, location, status.
  - (xviii) Software for LAN and WAN accessibility. Software must be compatible with Microsoft Windows operating system platform.
- (d) Video management software to accommodate a minimum of two (2) P.C.'s for the Winnipeg Parking Authority headquarters, located at 495 Portage Ave, including a minimum of two (2) Pan Tilt Zoom Controllers (as necessary in either software or hardware function) complete with:
- (i) **Note: Minimum P.C. and any Internet browser requirements for software shall be specified in bid submission.**
  - (ii) Note: Software installations for remote P.C's at 495 Portage Avenue shall **not** require a dedicated computer workstation.
  - (iii) Software compatibility with existing computer workstations at 495 Portage Avenue. Said workstations utilize Microsoft Windows operating system platforms.
  - (iv) Capability to locally (495 Portage Ave) record, locally store and locally view surveillance information from the networked recorder at said parkade **and** "live view" all cameras located at said parkade.
  - (v) Capability to Pan and Tilt and Zoom cameras specified in (a) via software or supplied desktop controller (if necessary).
  - (vi) Capability to setup and configure all surveillance parameters specified in (a) and (b) and (c) via software on P.C's at 495 Portage Ave.
  - (vii) User adjustable settings for achieving scheduled and programmed **automatic** pan-tilt-zoom patrol sweeps of the surveillance area at said parkade for all pan-tilt-zoom cameras.
  - (viii) Capability for pan, tilt, zoom control including user adjustable settings for scheduling programmed **automatic** pan-tilt-zoom patrol sweeps of the surveillance area for all pan-tilt-zoom cameras.
  - (ix) User ability to take control of pan-tilt-zoom cameras at any time during a programmed auto sweep. Programmed sweep should then resume once user releases control of pan-tilt-zoom camera.
  - (x) Capability of user adjustable bandwidth thresholds for streaming data from parkade to 495 Portage Avenue.
  - (xi) User adjustable resolution formats.
  - (xii) Video compression propriety or otherwise with the ability of exporting recorded video in formats that allow a user to playback exported video on a separate P.C. without requiring special software.
  - (xiii) Capability to allow user to locally (at 495 Portage Avenue) extract recorded surveillance information to his/her P.C. via floppy or CD or flash drive. Must also be capable of saving multiple recorded still images from surveillance video to either floppy or CD or flash drive.
  - (xiv) User capability to select screen display formats of single or multiple camera displays simultaneously.
  - (xv) Secure multilayered login features for user ID and password access for multiple users.
  - (xvi) Search functions by time/date.
  - (xvii) Capability of user customization screens of on screen display functions: camera ID, location, status.

- (xviii) Capability of registering future additional digital video recorders of the same make/model (without loss of features identified in (d)) to accommodate all camera channels **to the end of Phase 3 work**. at said parkade.
- (xix) Capability of registering and recognizing the other two said parkades and their respective digital video recorders/cameras **to the end of Phase 3 work** (without loss of features identified in (d)).
- (xx) Should be able to display cameras from different parkade sites on the same screen.
- (xxi) Common make/model software for communication to equipment at all said parkades.
- (e) A quantity of necessary uninterruptible power supplies (UPS) complete with:
  - (i) **Note: The UPS(s) shall be sized in accordance to the power demand represented to the end of Phase 3 work.**
  - (ii) Power back-up, surge, overload and short circuit protection to the parkade digital recorder system and cameras.
  - (iii) A minimum of 20 minutes system back-up battery time.

E2.3 Item No. 2 – Installation and Documentation – Civic Centre Parkade (Phase 1 only) shall consist of:

- (a) Complete installation of Networking Digital Video system as specified above at said parkade, including:
  - (i) Complete installation of all (phase 1 only) Networking Digital Video system cameras, including wall and/or ceiling mounts, power supply panel(s) and video and power cabling and any other necessary control cabling including properly gauged and rated video and power and control cabling and routing of said cabling and all necessary connectors/clamps to the proximity of the City of Winnipeg's LAN device. All cabling runs must comply with local building codes. **All cabling shall be installed within and protected via appropriate steel conduit and junction boxes and comply with local building codes.**
  - (ii) Complete installation of a conduit Riser, including coring, to access applicable parkade levels. **Riser conduit and Riser junction boxes (at each parkade level) shall be sized in accordance to the end of Phase 3 work.**

**Note: The camera(s) power supply shall be sized in accordance to the demand represented to the end of Phase 3 work.**

**Note: Camera mounting hardware shall be installed to allow for vehicle clearances within the parkade.**

- (iii) Camera locations as specified in E1.3 Drawings per phase 1 only work
- (iv) Complete installation of Networkable Digital Video system recorder device at said parkade, including cabling and connectors as necessary to the City of Winnipeg's LAN device. All cabling runs must comply with local building codes.  
**Note: Cabinetry for recorder device shall be supplied by City of Winnipeg.**
- (v) Complete installation of the necessary quantities of uninterruptible power supplies (UPS) as specified above.  
**Note: The UPS shall be sized in accordance to the power demand represented to the end of Phase 3 work.**
- (vi) Complete installation and setup of Video Management Software as specified for two (2) P.C's for Winnipeg Parking Authority headquarters at 495 Portage Ave including Pan Tilt Zoom controllers (as necessary in software or hardware).
- (b) Complete Networking Digital Video System documentation at time of parkade system activation including
  - (i) all equipment manuals;
  - (ii) a detailed equipment list;

- (iii) installation drawings including camera locations, recorder location and wiring/conduit, junction box diagrams.

**Note: One copy of each item specified above shall be submitted to the Contract Administrator upon system activation at said parkade.**

**Note: Floor Plans will be provided by the Contract Administrator to the Contractor.**

E2.4 Item No. 3 – Training – Civic Centre Parkade shall consist of:

- (a) A scheduled one hour minimum training session for employees of 495 Portage Avenue relating to the Networking Digital Video system, equipment, and Video Management software operation.

E2.5 Item No. 4 – Maintenance of Digital Video System (One Year only) – Civic Centre Parkade shall consist of the following minimum requirements:

- (a) Perform semi - annual maintenance including:
  - (i) Servicing and cleaning the networkable digital video recorder unit, including cleaning all internal components, outside chassis casing and testing moveable mechanical components including any CD/DVD/eject/writing capabilities.
  - (ii) Servicing and cleaning all parkade pan-tilt-zoom cameras. This includes lowering cameras from their mounts to clean inside and outside of domes. All mechanical camera components shall be cleaned and tested including blower/heater components and lubricating of drive motor(s) as necessary. Refocusing and repositioning internal components as necessary, including lens work shall be included. Inspection of the integrity of ceiling/wall mounts shall also be performed.
  - (iii) Servicing and cleaning all parkade fixed dome cameras. This includes cleaning inside and outside of dome. All mechanical camera components shall be cleaned and tested including blower/heater components. Refocusing and repositioning internal components as necessary, including lens work shall be included. Inspection of the integrity of ceiling/wall mounts shall also be performed.
  - (iv) Servicing and testing of power supply panels for on site cameras. This includes power testing in to and out of the supply panel. All fuses shall be checked and replaced as necessary.
  - (v) Servicing and testing all uninterruptible power supplies. This includes running the Networkable Digital Video System on UPS power to complete a full drain of all batteries on site. Recycling UPS's as necessary per manufacturer's recommendation shall be performed to maintain battery longevity.
  - (vi) Providing the Winnipeg Parking Authority with a detailed and completed check list of all service and testing performed. Said check list shall include the technicians signature and date of work performed. Said check list shall also identify upcoming repair work required as a result of noted wear and tear or vandalism to the system.

**Note: Service Technician(s) must be equipment manufacturer authorized to perform maintenance on the Digital Video System without limiting or voiding any component warranty.**

E2.6 Item No. 5 - Networking Digital Video System – Millennium Library Parkade (Phase 1 only) shall consist of:

- (a) All items specified as per E2.2 **with the exception** of the following:
  - (i) The parkade is the Millennium Library Parkade – 251 Donald Street.
  - (ii) The quantity of networkable outdoor vandalproof rated pan-tilt-zoom video camera shall be one (1).

- (iii) The quantity of networkable outdoor vandalproof rated fixed dome video cameras shall be eleven (11).
- E2.7 Item No. 6 - Installation and Documentation – Millennium Library Parkade (Phase 1 only) shall consist of:
  - (a) All items specified as per E2.3 **with the exception** of the following:
    - (i) The parkade is the Millennium Library Parkade – 251 Donald Street.
    - (ii) The installation of a conduit Riser to access parkade level P2 from the Central MSA room **is not required**.
- E2.8 Item No. 7 - Training – Millennium Library Parkade shall consist of:
  - (a) All items specified as per E2.4 with the exception of the following:
    - (i) The parkade is the Millennium Library Parkade – 251 Donald Street.
- E2.9 Item No. 8 - Maintenance of Digital Video System (One Year only) – Millennium Library Parkade shall consist of the following minimum requirements:
  - (a) All items specified as per E2.5 **with the exception** of the following:
    - (i) The parkade is the Millennium Library Parkade – 251 Donald Street.
- E2.10 Item No. 9 - Networking Digital Video System – Winnipeg Square Parkade (Phase 1 only) shall consist of:
  - (a) All items specified as per E2.2 **with the exception** of the following:
    - (i) The parkade is the Winnipeg Square Parkade – 299 Fort St.
    - (ii) The quantity of networkable outdoor vandalproof rated pan-tilt-zoom video camera shall be one (1).
    - (iii) The quantity of networkable outdoor vandalproof rated fixed dome video cameras shall be two (2).
    - (iv) **The networkable outdoor vandalproof rated fixed dome camera at the north entrance (from Fort Street), shall be equipped (if necessary) with appropriate wide angle lens to capture all three entrance gates.**
- E2.11 Item No. 10 - Installation and Documentation – Winnipeg Square Parkade (Phase 1 only) shall consist of:
  - (a) All items specified as per E2.3 **with the exception** of the following:
    - (i) The parkade is the Winnipeg Square Parkade – 299 Fort Street.
- E2.12 Item No. 11 - Training – Winnipeg Square Parkade shall consist of:
  - (a) All items specified as per E2.4 **with the exception** of the following:
    - (i) The parkade is the Winnipeg Square Parkade – 299 Fort Street.
- E2.13 Item No. 12 - Maintenance of Digital Video System (One Year only) – Winnipeg Square Parkade shall consist of the following minimum requirements:
  - (a) All items specified as per E2.5 **with the exception** of the following:
    - (i) The parkade is the Winnipeg Square Parkade – 299 Fort Street.

### **E3. COMPLETION**

- E3.1 The Contractor shall complete the Work on the Sites within forty-five (45) Calendar Days from date of commencement in D9.3.
- E3.2 The Digital Video System(s) shall be installed at:
  - (i) Civic Centre Parkade – 171 Princess Street.
  - (ii) Millennium Library Parkade – 251 Donald Street.

(iii) Winnipeg Square Parkade – 299 Fort Street.

**Note: The Video Management software and pan-tilt-zoom controllers (if applicable), shall be installed at 495 Portage.**