



**THE CITY OF WINNIPEG**

# **BID OPPORTUNITY**

**BID OPPORTUNITY NO. 722-2013**

**SUPPLY AND DELIVERY OF NIKON D800 DIGITAL CAMERAS**

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## **PART B - BIDDING PROCEDURES**

### **B1. CONTRACT TITLE**

B1.1 SUPPLY AND DELIVERY OF NIKON D800 DIGITAL CAMERAS

### **B2. SUBMISSION DEADLINE**

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, September 12, 2013.

B2.2 Bids determined by the Manager of Materials to have been received later than the Submission Deadline will not be accepted and will be returned upon request.

B2.3 The Contract Administrator or the Manager of Materials may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

### **B3. ENQUIRIES**

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

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

B3.3 If the Bidder is unsure of the meaning or intent of any provision therein, the Bidder should request clarification as to the meaning or intent prior to the Submission Deadline.

B3.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator to all Bidders by issuing an addendum.

B3.5 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator only to the Bidder who made the enquiry.

B3.6 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B3 unless that response or interpretation is provided by the Contract Administrator in writing.

### **B4. CONFIDENTIALITY**

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

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

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

### **B5. ADDENDA**

B5.1 The Contract Administrator may, at any time prior to the Submission deadline, issue addenda correcting errors, discrepancies or omissions in the 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 Division website at <http://www.winnipeg.ca/matmgt/bidopp.asp>
- B5.2.2 The Bidder is responsible for ensuring that he/she has received all addenda and is advised to check the Materials Management Division website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- 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/her 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/she 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 may base his/her 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.
- B6.10 Notwithstanding B6.2 to B6.9, and in accordance with B7.7, deviations inconsistent with the Bid Opportunity document shall be evaluated in accordance with B14.1(a).

## **B7. BID SUBMISSION**

- B7.1 The Bid shall consist of the following components:
- (a) Form A: Bid;
  - (b) Form B: Prices.
- B7.2 Further to B7.1, the Bidder should include the written correspondence from the Contract Administrator approving a substitute in accordance with B6.
- B7.3 All components of the Bid shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely in ink, to constitute a responsive Bid.
- B7.4 The Bid Submission may be submitted by mail, courier or personal delivery, or by facsimile transmission.
- B7.5 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 Division  
185 King Street, Main Floor  
Winnipeg MB R3B 1J1
- B7.5.1 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.
- B7.6 Bidders are advised not to include any information/literature except as requested in accordance with B7.1.
- B7.7 Bidders are advised that inclusion of terms and conditions inconsistent with the Bid Opportunity document, including the General Conditions, will be evaluated in accordance with B14.1(a).
- B7.8 If the Bid Submission is submitted by facsimile transmission, it shall be submitted to 204- 949-1178.
- B7.8.1 The Bidder is advised that the City cannot take responsibility for the availability of the facsimile machine at any time.
- B7.9 Bids 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/her own name, his/her 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/her 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/her 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/her 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 should 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 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.

## **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; and
- (b) be financially capable of carrying out the terms of the Contract; and
  - (c) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract.
- B10.2 The Bidder and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/debar.stm>
- B10.3 The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) have successfully carried out work similar in nature, scope and value to the Work; and
  - (b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract; and
  - (c) have a written workplace safety and health program, if required, pursuant to The Workplace Safety and Health Act (Manitoba);
- B10.4 The Bidder shall submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.
- B10.5 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 Bids will not be opened publicly.
- B11.2 Following the Submission Deadline, the names of the Bidders and their bid prices (unevaluated, and pending review and verification of conformance with requirements or evaluated prices) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Division website 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 Division website at <http://www.winnipeg.ca/matmgt>
- B11.4 The Bidder is advised that any information contained in any Bid may be released if required by City policy or procedures, by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law.

## **B12. IRREVOCABLE BID**

- B12.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 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/her Bid without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.
- B13.1.1 Notwithstanding C21, 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 will:
- (a) retain the Bid until after the Submission Deadline has elapsed;
  - (b) open the Bid to identify the contact person named in Paragraph 3 of Form A: Bid and the Bidder's authorized representatives named in Paragraph 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/her Bid after the Submission Deadline but before his/her 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, or acceptable deviation therefrom (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 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 or minor informalities or irregularities if the interests of the City so require.
- B14.3 Further to B14.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his/her Bid or in other information required to be submitted, that he/she is responsible and qualified.
- B14.3.1 Further to B14.1(a), in the event that a unit price is not provided on Form B: Prices, the City may determine the unit price by dividing the Amount (extended price) by the approximate quantity, for the purposes of evaluation and payment.
- B14.5 This Contract will be awarded as a whole
- B14.6 This Contract may be awarded on the basis of:
- (a) Alternative 1 – New NIKON D800 Digital Camera – without trade in; or
  - (b) Alternative 2 – New NIKON D800 Digital Camera – with trade in; or
  - (c) Alternative 3 – Refurbished NIKON D800 Digital Camera – without trade in; or
  - (d) Alternative 4 – Refurbished NIKON D800 Digital Camera – with trade in;



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

- B14.6.1 Notwithstanding B9.1, the Bidder may, but is not required to, bid on all alternatives.
- B14.6.2 Notwithstanding B15.3, the City shall have the right to choose the alternative that is in its best interests. If the Bidder has not bid on all alternatives, 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 upon which he/she has not bid.

## **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, in accordance with B14.
- B15.3.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of his/her Bid upon written request to the Contract Administrator.
- B15.4 Notwithstanding C4 and Paragraph 6 of Form A:Bid, 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 C1.1(n)(ii) 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**

### **C0. GENERAL CONDITIONS**

- C0.1 The *General Conditions for the Supply of Goods* (Revision 2008 05 26) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for the Supply of Goods* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at [http://www.winnipeg.ca/matmgt/gen\\_cond.stm](http://www.winnipeg.ca/matmgt/gen_cond.stm)
- C0.2 A reference in the Bid Opportunity to a section, clause or subclause with the prefix “**C**” designates a section, clause or subclause in the *General Conditions for Supply of Goods*.

## **PART D - SUPPLEMENTAL CONDITIONS**

### **GENERAL**

#### **D1. GENERAL CONDITIONS**

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

#### **D2. SCOPE OF WORK**

D2.1 The Work to be done under the Contract shall consist of the supply and delivery of NIKON D800 Digital Cameras.

#### **D3. CONTRACT ADMINISTRATOR**

D3.1 The Contract Administrator is:

Craig Davill CIM, CPP  
Winnipeg Police Service

Telephone No.: (204) 986-6141

#### **D4. OWNERSHIP OF INFORMATION, CONFIDENTIALITY AND NON DISCLOSURE**

D4.1 The Contract, all deliverables produced or developed, and information provided to or acquired by the Contractor are the property of the City and shall not be appropriated for the Contractors own use, or for the use of any third party.

D4.2 The Contractor shall not make any public announcements or press releases regarding the Contract, without the prior written authorization of the Contract Administrator.

D4.3 The following shall be confidential and shall not be disclosed by the Contractor to the media or any member of the public without the prior written authorization of the Contract Administrator;

- (a) information provided to the Contractor by the City or acquired by the Contractor during the course of the Work;
- (b) the Contract, all deliverables produced or developed; and
- (c) any statement of fact or opinion regarding any aspect of the Contract.

D4.4 A Contractor who violates any provision of D4 may be determined to be in breach of Contract.

#### **D5. NOTICES**

D5.1 Notwithstanding C21.3, all notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following facsimile number:

The City of Winnipeg  
Chief Financial Officer

Facsimile No.: 204- 949-1174

### **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.

## **SCHEDULE OF WORK**

### **D7. COMMENCEMENT**

D7.1 The Contractor shall not commence any Work until he/she is in receipt of a notice of award from the City authorizing the commencement of the Work.

D7.2 The Contractor shall not commence any Work until:

- (a) the Contract Administrator has confirmed receipt and approval of:
  - (i) evidence of authority to carry on business specified in D6;
  - (ii) evidence of the workers compensation coverage specified in C6.16;
- (b) the Contractor has attended a meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a meeting.

### **D8. DELIVERY**

D8.1 Goods shall be delivered within thirty (30) Calendar Day(s) of the award of contract, f.o.b. destination, freight prepaid to:

Winnipeg Police Service  
Quartermaster Stores Unit  
472 Notre Dame Avenue  
Winnipeg, MB R3C 1R5

Telephone No.: (204) 986-6141

D8.2 Goods shall be delivered between 8:00 a.m. and 4:00 p.m. on Business Days.

D8.3 The Contractor shall off-load goods as directed at the delivery location.

## **MEASUREMENT AND PAYMENT**

### **D9. INVOICES**

D9.1 Further to C10, the Contractor shall submit an invoice for each order delivered to:

The City of Winnipeg  
Corporate Finance - Accounts Payable  
4th Floor, Administration Building, 510 Main Street  
Winnipeg MB R3B 1B9

Facsimile No.: 204- 949-0864

Email: [CityWpgAP@winnipeg.ca](mailto:CityWpgAP@winnipeg.ca)

D9.2 Invoices must clearly indicate, as a minimum:

- (a) the City's purchase order number;
- (b) date of delivery;
- (c) delivery address;
- (d) type and quantity of goods delivered;
- (e) the amount payable with GST, MRST, and any applicable environmental handling charges/fees identified and shown as separate amounts; and
- (f) the Contractor's GST registration number.

D9.3 The City will bear no responsibility for delays in approval of invoices which are improperly submitted.

D9.4 Bids Submissions must be submitted to the address in B7.5.

**D10. PAYMENT**

D10.1 Further to C10, the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

**D11. PAYMENT SCHEDULE**

D11.1 Further to C10, payment shall be in Canadian funds net thirty (30) Calendar Days after receipt and approval of the Contractor's invoice.

**WARRANTY**

**D12. WARRANTY**

D12.1 Warranty is as stated in C11.

## PART E - SPECIFICATIONS

### GENERAL

#### E1. APPLICABLE SPECIFICATIONS

- E1.1 These Specifications shall apply to the Work.
- E1.2 Bidders are reminded that requests for approval of substitutes as an approved equal or an approved alternative shall be made in accordance with B6.

#### E2. ALTERNATIVES 1 THRU 4 - GOODS

- E2.1 The Contractor shall supply and deliver **NIKON D800 Digital Cameras**, or approved substitute in accordance with B6, in accordance with the requirements hereinafter specified.
- E2.2 Type: Single-lens reflex digital camera.
- E2.3 Lens mount: Nikon F mount (with AF contacts).
- E2.4 Effective pixels: 36.3 million.
- E2.5 Image sensor: 35.9 x 24.0 mm CMOS sensor (Nikon FX format).
- E2.6 Total pixels: 36.8 million.
- E2.7 Storage.
- E2.8 Image size (pixels):
- (a) FX format (36 x 24): 7,360 x 4,912 (L), 5,520 x 3,680 (M), 3,680 x 2,456 (S);
  - (b) 1.2x (30 x 20): 6,144 x 4,080 (L), 4,608 x 3,056 (M), 3,072 x 2,040 (S);
  - (c) DX format (24 x 16): 4,800 x 3,200 (L), 3,600 x 2,400 (M), 2,400 x 1,600 (S);
  - (d) 5:4 (30 x 24): 6,144 x 4,912 (L), 4,608 x 3,680 (M), 3,072 x 2,456 (S);
  - (e) FX-format photographs taken in movie live view\*: 6,720 x 3,776 (L), 5,040 x 2,832 (M), 3,360 x 1,888 (S);
  - (f) DX-format photographs taken in movie live view\*: 4,800 x 2,704 (L), 3,600 x 2,024 (M), 2,400 x 1,352 (S);
  - (g) \* Photographs taken in movie live view will have an aspect ratio of 16:9; A DX-based format is used for photographs taken using the DX (24 x 16) image area; an FX-based format is used for all other photographs.
- E2.9 File format:
- (a) NEF (RAW): 12 or 14 bit, lossless compressed, compressed or uncompressed;
  - (b) TIFF (RGB);
  - (c) JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression (Size priority); Optimal quality compression available;
  - (d) NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats.
- E2.10 Picture Control System:
- (a) Can be selected from Standard, Neutral, Vivid, Monochrome, Portrait, Landscape;
  - (b) selected Picture Control can be modified; storage for custom Picture Controls.
- E2.11 Media:
- (a) SD (Secure Digital) and UHS-I compliant;

- (b) SDHC and SDXC memory cards;
  - (c) Type I CompactFlash memory cards (UDMA compliant).
- E2.12 Dual card slots:
- (a) Either card can be used for primary or backup storage or for separate storage of NEF (RAW) and JPEG images;
  - (b) pictures can be copied between cards.
- E2.13 File system:
- (a) DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format),
  - (b) Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge.
- E2.14 Viewfinder:
- (a) Eye-level pentaprism single-lens reflex viewfinder.
- E2.15 Frame coverage:
- (a) FX (36 x 24): Approx. 100% horizontal and 100% vertical;
  - (b) 1.2x (30 x 20): Approx. 97% horizontal and 97% vertical;
  - (c) DX (24 x 16): Approx. 97% horizontal and 97% vertical;
  - (d) 5:4 (30 x 24): Approx. 97% horizontal and 100% vertical.
- E2.16 Magnification:
- (a) Approx. 0.7 x (50 mm f/1.4 lens at infinity, -1.0 m-1).
- E2.17 Eyepoint:
- (a) 17 mm (-1.0 m-1; from center surface of viewfinder eyepiece lens).
- E2.18 Diopter adjustment:
- (a) -3 to +1 m-1.
- E2.19 Focusing screen:
- (a) Type B BriteView Clear Matte Mark VIII screen with AF area brackets and framing grid.
- E2.20 Reflex mirror:
- (a) Quick return.
- E2.21 Depth-of-field preview:
- (a) When depth-of-field preview button is pressed, lens aperture is stopped down to value selected by user (A and M modes) or by camera (P and S modes).
- E2.22 Lens aperture:
- (a) Instant return;
  - (b) electronically controlled.
- E2.23 Compatible lenses:
- (a) Compatible with:
    - (i) AF NIKKOR lenses, including type G and D lenses (some restrictions apply to PC-NIKKOR lenses),
    - (ii) DX lenses [using DX (24 x 16) image area],
    - (iii) AI-P NIKKOR lenses, and non-CPU AI lenses (exposure modes A and M only);
    - (iv) IX-NIKKOR lenses,

- (v) The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster,
  - (vi) employing eleven focus points with lenses that have a maximum aperture of f/8 or faster.
  
- E2.24 Shutter type:
  - (a) Electronically-controlled vertical-travel focal-plane shutter.
  
- E2.25 Speed:
  - (a) 1/8,000 to 30 s in steps of 1/3, 1/2 or 1 EV, bulb, X250.
  
- E2.26 Flash sync speed:
  - (a) X = 1/250 s; synchronizes with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s).
  
- E2.27 Release mode:
  - (a) S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), (self-timer), MUP (mirror up).
  
- E2.28 Frame advance rate:
  - (a) With EN-EL15 batteries (FX/5:4) CL: approx. 1 to 4 fps, CH: approx. 4 fps, (DX/1.2x) CL: approx. 1 to 5 fps, CH: approx. 5 fps;
  - (b) Other power sources (FX/5:4) CL: approx. 1 to 4 fps, CH: approx. 4 fps, (1.2x) CL: approx. 1 to 5 fps, CH: approx. 5 fps, (DX) CL: approx. 1 to 5 fps, CH: approx. 6 fps.
  
- E2.29 Self-timer:
  - (a) 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s.
  
- E2.30 Exposure Metering:
  - (a) TTL exposure metering using 91K-pixel RGB sensor.
  
- E2.31 Metering method:
  - (a) Matrix: 3D color matrix metering III (type G and D lenses); color matrix metering III (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data;
  - (b) Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame);
  - (c) Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used).
  
- E2.32 Range (ISO 100, f/1.4 lens, 20°C/68°F):
  - (a) Matrix or center-weighted metering: 0 to 20 EV;
  - (b) Spot metering: 2 to 20 EV.
  
- E2.33 Exposure meter coupling:
  - (a) Combined CPU and AI.
  
- E2.34 Exposure modes:
  - (a) Programmed auto with flexible program (P); shutter-priority auto (S); aperturepriority auto (A); manual (M).
  
- E2.35 Exposure compensation:
  - (a) -5 to +5 EV in increments of 1/3, 1/2 or 1 EV.



- E2.36 Exposure bracketing:
- (a) 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV.
- E2.37 Exposure lock:
- (a) Luminosity locked at detected value with AE-L/AF-L button.
- E2.38 ISO sensitivity Recommended Exposure Index):
- (a) ISO 100 to 6400 in steps of 1/3, 1/2 or 1 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available.
- E2.39 Active D-Lighting can be selected from:
- (a) auto, extra high, high, normal, low or off.
- E2.40 ADL bracketing:
- (a) 2 frames using selected value for one frame or 3 to 5 frames using preset values for all frames.
- E2.41 Autofocus:
- (a) Nikon Advanced Multi-CAM 3500FX autofocus sensor module with TTL phase detection, fine-tuning, 51 focus points (including 15 cross-type sensors; f/8 supported by 11 central sensors), and AFassist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.).
- E2.42 Detection range:
- (a) -2 to +19 EV (ISO 100, 20°C/68°F).
- E2.43 Lens servo:
- (a) Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); predictive focus tracking automatically activated according to subject status;
  - (b) Manual focus (M): Electronic rangefinder can be used.
- E2.44 Focus point:
- (a) Can be selected from 51 or 11 focus points.
- E2.45 AF-area modes:
- (a) Single-point AF, 9-, 21- or 51-point dynamic-area AF, 3D-tracking, auto-area AF.
- E2.46 Focus lock:
- (a) Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button.
- E2.47 Built-in flash:
- (a) Manual pop-up with button release and a guide number of approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F).
- E2.48 Flash control:
- (a) TTL: i-TTL flash control using 91K-pixel RGB sensor is available with builtin flash and SB-910, SB-900, SB-800, SB-700, SB-600 or SB-400; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital SLR with spot metering.
- E2.49 Flash modes:
- (a) Front-curtain sync, slow sync, rear-curtain sync, red-eye reduction, red-eye reduction with slow sync, slow rear-curtain sync; auto FP high-speed sync supported.

- E2.50 Flash compensation:
- (a) -3 to +1 EV in increments of 1/3, 1/2 or 1 EV.
- E2.51 Flash bracketing:
- (a) 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV.
- E2.52 Flash-ready indicator:
- (a) Lights when built-in flash or optional flash unit is fully charged; blinks after flash is fired at full output.
- E2.53 Accessory shoe:
- (a) ISO 518 hot-shoe with sync and data contacts and safety lock.
- E2.54 Nikon Creative Lighting System (CLS):
- (a) Advanced Wireless Lighting supported with built-in flash, SB-910, SB-900, SB-800 or SB-700 as a master flash and SB-600 or SB-R200 as remotes, or SU-800 as commander; built-in flash can serve as master flash in commander mode; auto FP high-speed sync and modeling illumination supported with all CLS-compatible flash units except SB-400; Flash Color Information Communication and FV lock supported with all CLS-compatible flash units.
- E2.55 Sync terminal:
- (a) ISO 519 sync terminal with locking thread.
- E2.56 White balance:
- (a) Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 4 values can be stored) and color temperature setting (2,500 K to 10,000 K); fine-tuning available for all options.
- E2.57 White balance bracketing:
- (a) 2 to 9 frames in steps of 1, 2 or 3.
- E2.58 Live View Modes:
- (a) Live view photography (still images), movie live view (movies).
- E2.59 Lens servo:
- (a) Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F);
  - (b) Manual focus (M).
- E2.60 AF-area modes:
- (a) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF.
- E2.61 Autofocus:
- (a) Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected).
- E2.62 Movie Metering:
- (a) TTL exposure metering using main image sensor.
- E2.63 Movie Frame size (pixels) and frame rate:
- (a) 1,920 x 1,080; 30p, 25p, 24p;
  - (b) 1,280 x 720; 60p, 50p, 30p, 25p; actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both high and normal image quality.

- E2.64 Movie File format:
- (a) MOV.
- E2.65 Video compression:
- (a) H.264/MPEG-4 Advanced Video Coding.
- E2.66 Audio recording format:
- (a) Linear PCM.
- E2.67 Audio recording device:
- (a) Built-in monaural or external stereo microphone; sensitivity adjustable.
- E2.68 Movie options:
- (a) Index marking, time-lapse photography.
- E2.69 Monitor:
- (a) 8-cm (3.2-in.), approx. 921k-dot (VGA) TFT LCD with 170°viewing angle, approx. 100% frame coverage, and automatic monitor brightness control using ambient brightness sensor.
- E2.70 Playback:
- (a) Full-frame and thumbnail (4, 9 or 72 images) playback with playback zoom, movie playback, photo and/or movie slide shows, highlights, histogram display, auto image rotation, and image comment (up to 36 characters).
- E2.71 Interface – USB:
- (a) SuperSpeed USB (USB 3.0 Micro-B connector).
- E2.72 HDMI output:
- (a) Type C mini-pin HDMI connector; can be used simultaneously with camera monitor.
- E2.73 Audio input:
- (a) Stereo mini-pin jack (3.5-mm diameter).
- E2.74 Audio output:
- (a) Stereo mini-pin jack (3.5-mm diameter).
- E2.75 10-pin remote terminal:
- (a) Can be used to connect optional remote control, GP-1 GPS Unit or GPS device compliant with NMEA0183 version 2.01 or 3.01 (requires optional MC-35 GPS Adapter Cord and cable with D-sub 9-pin connector).
- E2.76 Supported languages:
- (a) Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian.
- E2.77 Power source – Battery:
- (a) One EN-EL15 Rechargeable Li-ion Battery.
- E2.78 Tripod socket:
- (a) 1/4 in. (ISO 1222).
- E2.79 Dimensions (W x H x D):

(a) Approx. 146 x 123 x 81.5 mm/5.7 x 4.8 x 3.2 in.

E2.80 Weight

E2.81 Approx. 1,000 g/2 lb 3.3 oz with battery and SD memory card but without body cap; approx. 900 g/1 lb 15.7 oz (camera body only)

**E3. ALTERNATIVES 2 AND 4 ONLY– TRADE IN**

E3.1 The supply and delivery of Nikon D800 in accordance with E2 ALTERNATIVE 1 THRU 4 GOODS inclusive with the addition of:

E3.2 The removal of eleven (11) NIKON D200 Digital Cameras to be given to the contractor in trade

**E4. ALTERNATIVES 3 AND 4 ONLY – REFURBISHED CAMERAS**

E4.1 The City of Winnipeg will accept refurbished NIKON D800 Digital Cameras under the condition that:

- (a) They be on or less than twelve (12) month old
- (b) Are approved by the Contract Administrator prior to award
  - (i) Within five (5) business days on request of the Contract Administrator the bidder shall provide the Contract Administrator all required proof as to the condition of the refurbished cameras offered for bid
  - (ii) Determination as to the viability of the refurbished cameras will be at the sole discretion of the Contract Administrator.

