



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À :
Parks Canada Agency Bid Receiving Unit
National Contracting Services
Suite 720, 220 – 4th Avenue S.E.
Calgary, AB T2G 4X3
Bid Fax: 1-866-246-6893

REQUEST FOR QUOTATION
DEMANDE DE PRIX

Quotation to: Parks Canada Agency
We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred or attached hereto, the goods, services and construction listed herein or on any attached sheets at the price(s) set out therefor.

Prix à : l'Agence Parcs Canada
Nous offrons par la présente de vendre à sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et travaux de construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires :

Issuing Office - Bureau de distribution :
Parks Canada Agency
National Contracting Services
Suite 720, 220 – 4th Avenue S.E.
Calgary, AB T2G 4X3

Title - Sujet : Traffic Monitoring Services – Mountain National Parks	
Solicitation No. - N° de l'invitation : 5P420-19-0385/A	Date : January 22, 2019
Client Reference No. - N° de référence du client : n/a	
GETS Reference No. N° de référence du SEAG : PW-20-00904191	

Solicitation Closes - L'invitation prend fin : At - à : 14 :00 On - le : March 03, 2020	Time Zone - Fuseau horaire MST
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F.O.B. - F.A.B. : Plant - Usine : <input type="checkbox"/> Destination : <input checked="" type="checkbox"/> Other - Autre : <input type="checkbox"/>		
Address Enquiries to - Adresser toutes demande de renseignements à : Kirsten Sage		
Telephone No. - N° de téléphone : 587-436-5795	Fax No. -N° de télécopieur : 1-866-246-6893	Email Address – Courriel : Kirsten.sage@canada.ca
Destination of Goods, Services, and Construction - Destination des biens, services et travaux de construction : See Herein		

TO BE COMPLETED BY THE BIDDER - À REMPLIR PAR LE SOUMISSIONNAIRE

Vendor/ Firm Name - Nom du fournisseur/de l'entrepreneur :	
Address - Adresse :	
Telephone No. - N° de téléphone :	Fax No. - N° de télécopieur :
Name of person authorized to sign on behalf of the Vendor/ Firm (type or print) - Nom de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) :	
Signature :	Date :

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Contracting Authority - Autorité contractante :
Kirsten Sage

Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

IMPORTANT NOTICE TO BIDDERS

Direct Deposit

The Government of Canada has replaced cheques with direct deposit payment(s), an electronic transfer of funds deposited directly into a bank account. New vendors who are awarded a contract will be required to complete a Direct Deposit enrolment form in order to register their direct deposit information with Parks Canada to receive payment.

Additional information on this Government of Canada initiative is available at:

<http://www.directdeposit.gc.ca>

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PART 1 – GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with the bid solicitation.

1.2 Statement of Work

The Work to be performed is detailed under Article 6.2 of the resulting contract clauses.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

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PART 2 – BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2019-03-04), Standard Instructions – Goods or Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

Bids must be submitted only to Parks Canada Agency Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile will be accepted.

2.3 Enquiries – Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than fourteen (14) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Alberta.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

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PART 3 – BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Exchange Rate Fluctuation

SACC Manual Clause [C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section II: Certifications

Bidders must submit the certifications and additional information required under Part 5.

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PART 4 – EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

4.2 Basis of Selection

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

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PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, if applicable, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required at **Annex E** to Part 5 of the Bid Solicitation before contract award.

5.2.2 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

The Bidder, regardless of their status under the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html), must submit a list of names prior to award of a contract. Bidders must provide the information requested at **Annex F** to Part 5 of the Bid Solicitation.

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5.2.3 Federal Contractors Program for Employment Equity – Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/canada/esdc/labour/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

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PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

There is no security requirement applicable to the Contract.

6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at **Annex A**.

6.2.1 Work Authorization – As-and-when Requested Services

A Work Authorization (WA) may be used to authorize work on an “as and when requested basis” under this contract using the following administrative process:

- (a) The Project Authority will prepare a WA providing details of the services required and submit to the Contractor.
- (b) The WA will contain the details of the activities to be performed, a description of the deliverables, and a schedule indicating completion dates for the major activities or submission dates for the deliverables.
- (c) The Contractor must provide the Project Authority the proposed estimated cost for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract.
- (d) The Contractor must not commence work until a WA authorized by the Project Authority has been received by the Contractor. The Contractor acknowledges that any work performed before a WA has been received will be done at the Contractor’s own risk.

6.2.2 Canada’s Obligation – Portion of the Work – Work Authorizations

Canada's obligation with respect to the portion of the Work under the Contract that is performed through work authorizations is limited to the total amount of the actual tasks performed by the Contractor.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2010C](#) (2018-06-21), General Conditions – Services (Medium Complexity), apply to and form part of the Contract.

All reference to the Minister of Public Works and Government Services Canada shall be deleted and replaced with the Minister of the Environment for the purposes of the Parks Canada Agency. All reference to the Department of Public Works and Government Services Canada shall be deleted and replaced with the Parks Canada Agency.

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6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from April 01, 2020 to March 31, 2021 inclusive.

6.4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to three (3) additional one (1) year period being as follows: April 01, 2021 to March 31, 2022 inclusive, April 01, 2022 to March 31, 2023 inclusive and April 01, 2023 to March 31, 2024 inclusive under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Kirsten Sage

Contracts, Procurement and Materiel Management Officer
Parks Canada Agency
Chief Financial Officer Directorate
Suite #720, 220 – 4th Avenue S.E.
Calgary, AB T2G 4X3

Telephone: (587) 436-5795

E-mail address: Kirsten.sage@canada.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Project Authority for the Contract is:

***** To be provided at contract award *****

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

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6.5.3 Contractor's Representative

The Contractor's Representative for the Contract is:

Representative's Name:		
Title:		
Vendor/ Firm Name:		
Address:		
City:	Province / Territory:	Postal Code / ZIP Code:
Telephone:		Facsimile:
Email Address:		
Procurement Business Number (PBN) or Goods and Services Tax (GST) Number:		

6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

6.7 Payment

6.7.1 Basis of Payment: Cost Reimbursable – Limitation of Expenditure

The Contractor will be paid for its costs reasonably and properly incurred in the performance of the Work, in accordance with the Basis of payment in **Annex B**, to a limitation of expenditure of \$ *(insert at time of contract award)*. Customs duties are included and Applicable Taxes are extra.

6.7.2 Limitation of Expenditure

6.7.2.1 Canada's total liability to the Contractor under the Contract must not exceed \$ *(insert at time of contract award)*. Customs duties are included and Applicable Taxes are extra.

6.7.2.2 No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being

exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

- a. when it is 75 percent committed, or
- b. four (4) months before the contract expiry date, or
- c. as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

6.7.2.3 If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

6.7.3 Monthly Payment

Canada will pay the Contractor on a monthly basis for work performed during the month covered by the invoice in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work performed has been accepted by Canada.

6.8 Invoicing Instructions

6.8.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

Each invoice must be supported by:

- a. A copy of the work authorization, if applicable.

6.8.2 Invoices must be distributed as follows:

- b. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.9 Certifications and Additional Information

6.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

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6.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Alberta.

6.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions [2010C](#) (2018-06-21), General Conditions – Services (Medium Complexity);
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Attestation and Proof of Compliance with Occupational Health and Safety (OHS);
- (f) Annex D, Insurance Requirements; and
- (g) the Contractor's bid dated ***** to be inserted at contract award *****.

6.12 SACC Manual Clauses

[A1009C](#) (2008-05-12) Work Site Access
[A9068C](#) (2010-01-11) Government Site Regulations
[B6802C](#) (2007-11-30) Government Property
[B9028C](#) (2007-05-25) Access to Facilities and Equipment

6.13 Insurance – Specific Requirements

The Contractor must comply with the insurance requirements specified in **Annex D**. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. For Canadian-based Contractors, coverage must be placed with an Insurer licensed to carry out business in Canada, however, for Foreign-based Contractors, coverage must be placed with an Insurer with an A.M. Best Rating no less than "A-". The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

6.14 Inspection and Acceptance

The Project Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

ANNEX A

STATEMENT OF WORK

1.0 SCOPE

A network of Automated Traffic Recorders (ATRs) is to be maintained on Parks Canada roads in Alberta and British Columbia through Jasper, Banff, Yoho, Kootenay and Glacier National Parks. Traffic data will be collected and reports will be produced from the collected data. A list of ATRs and sites along Parks Canada roads is found in Appendix A.1. This contract will start April 1, 2020 for a duration of one year, including an additional three option years.

2.0 PROGRAM AREAS

The following are the major areas of the traffic monitoring services contract:

- ATR Site Maintenance, Repair, and Change Over
- Data Retrieval
- Data Processing and Reporting
- Installation of New ATR sites (on an as and when required basis)
- Loop Installation and Repair (on an as and when required basis)
- Deactivation and Removal of ATRs (on an as and when required basis)

The contractor must commence providing these services on April 1, 2020.

3.0 PROGRAM OBJECTIVES

3.1 ATR Site Maintenance, Repair, and Change Over

3.1.1 Parks Canada exclusively uses Golden River 3031 volumetric counters, Golden River M660 classifiers and Golden River M680 classifiers. The contractor must have experience with the operation and maintenance of these specific ATRs.

3.1.2 ATR sites are administered by Parks Canada (PCA) or the Province of Alberta as indicated in Appendix A.1. All sites are within Parks Canada lands. Administration of ATRs includes regular maintenance of each ATR and repair of non-functioning ATRs.

3.1.3 ATRs administered by Parks Canada must be maintained so that traffic volumes are recorded continuously on an hourly basis by direction daily year in/year out. Maintenance includes routine site maintenance as described in section 4.1, repair and replacement of damaged equipment.

3.1.4 ATRs not administered by Parks Canada are maintained by others under contract with the Province of Alberta.

3.1.5 At the conclusion of the contract, the contractor must return to Parks Canada all ATRs listed in Appendix A.1 in an operational condition and all spare ATRs and ATR components listed in Appendix A.2 regardless of condition.

3.2 Data Retrieval and Processing

3.2.1 The data from each ATR listed in Appendix A.1 must be physically or cellular downloaded by the contractor at an interval that satisfies the reporting frequency requirements indicated in section 4.4.2.

3.2.2 The production of traffic statistic reports for all ATR sites listed in Appendix A.1 must proceed under the reporting requirements listed in section 4.4.

3.3 Installation of New ATR Sites (on an as and when required basis)

Installation, operation, maintenance, and data retrieval of additional ATRs may be requested by Parks Canada under this contract.

- 3.3.1 A written request from the Parks Canada representative is required for the contractor to carry out this additional work.
- 3.3.2 The installation of ATR infrastructure at a new site or at a site where only some functioning infrastructure from a previous installation exists is considered additional work and is billable by the contractor as a new installation.
- 3.3.3 Operation, maintenance, data retrieval, and reporting activities will begin at the next scheduled site visit for data download.
- 3.3.4 Pricing for the operation, maintenance, data retrieval, and reporting activities must be consistent with the pricing for these activities performed at the other ATR sites administered by Parks Canada.
- 3.3.5 Refer to section 4.5 for program tasks related to installation of new ATR sites.

3.4 Loop Repair (on an as and when required basis)

The following objectives have been established for the installation and repair of magnetic induction loop sensors at the ATRs administered by Parks Canada.

- 3.4.1 Loop repair; to re-install or repair as quickly as possible any of the magnetic induction loop sensors or lead in wiring at any of the ATRs Administered by Parks Canada when they are damaged by road construction, man-made or natural causes.
- 3.4.2 Loop repair can only be carried out by the contractor if a written request is provided to the contractor from the Parks Canada representative.
- 3.4.5 Loop repair is considered additional work and is billable by the contractor at the price established in the Basis of Payment at Annex B.
- 3.4.6 Refer to section 4.6 for program tasks related to loop installation and repair.

3.5 Deactivation of ATRs (on an as and when required basis)

Deactivation of ATRs no longer required may be requested by Parks Canada under this contract. A written request from the Parks Canada representative is required for the contractor to carry this out.

- 3.5.1 Operation, maintenance, data retrieval, and reporting activities will cease at the next scheduled site visit for data download.
- 3.5.2 The cost for operation, maintenance, data retrieval, and reporting activities of deactivated ATRs must not continue past the time when the site visit to deactivate occurs.

4.0 PROGRAM TASKS

ATR sites

General

ATR sites are administered by Parks Canada or by the Province of Alberta as indicated in Appendix A.1. For all sites, electronics, magnetic induction loop sensors, cabinets, portable boxes, solar panels, posts, conduits, connectors, and wiring are the property of the agency responsible for the administration of the ATR at that site.

The contractor must physically or cellular download the data from each ATR at an interval that satisfies the reporting frequency requirements specified in section 4.4.2.

At the conclusion of the contract, the contractor must return to Parks Canada all ATRs listed in Appendix A.1 in a fully operational condition and all spare ATRs and ATR components listed in Appendix A.2 regardless of condition.

4.1 ATR Site Maintenance, Repair, and Change Out

- 4.1.1 The contractor must maintain an inventory of installed ATR locations and equipment including serial numbers and provide it to Parks Canada upon request in a mutually agreed upon electronic format.
- 4.1.2 The contractor is responsible for all the maintenance, repair and change out of equipment at the Parks Canada ATRs.
- 4.1.3 The contractor must conduct inspections, maintenance and reasonable repairs or replacement of the ATR sites using an experienced Electronics Technologist or Technician.
- 4.1.4 All required repairs must be performed at the time of the site inspection. Any ATR not repairable on-site must be replaced with a spare ATR to minimize site downtime. All required repairs must be completed by an experienced Electronics Technician.
- 4.1.5 ATR maintenance must consist of the following activities:
 - Clean cabinet
 - Clean solar panel glass
 - Grease hinges and locks
 - Check wiring
 - Check for loose screws
 - Snow and ice removal from the site surroundings
- 4.1.6 For all ATR repair and change out, the contractor must indicate the following on a "Site Service Form" approved by Parks Canada:
 - Name and qualification of person(s) performing the work
 - ATR Number and Site Description
 - National Park & Highway
 - Description of maintenance and repair done

- Serial #'s of removed equipment
- Reason for equipment removal
- Serial #'s of installed equipment
- Indicate Loop Repair work required
- Indicate work to be performed at a later date

Completed "Site Service Forms" must be submitted to Parks Canada in a mutually agreed electronic format within one month of the work being done

4.1.7 During the contract period the contractor must replace the following equipment at the contractor's own cost:

- Internal parts for volumetric counters / classifiers and wireless communications
- 12 Volt Batteries
- Solar Panels & regulators

4.1.8 Amendments will be issued for replacement and reinstallation of damaged or destroyed inroad sensors, wiring, cabinets, or posts, due to age or deterioration of roadway surface, construction, or collision and will be paid for by Parks Canada.

4.2 Spare ATRs

4.2.1 The contractor must maintain an inventory of spare ATR equipment including serial numbers and provide it to Parks Canada upon request in a mutually agreed upon electronic format.

4.2.2 In order to facilitate rapid correction of problems with faulty ATRs and other hardware which cannot be fixed on site, spare Golden River 3031, Golden River M660 and optionally Golden River M680 ATRs will be provided by Parks Canada. At the conclusion of the contract, the contractor must return to Parks Canada these spare units in addition to the Parks Canada ATRs operating in the field.

4.2.3 At the end of the contract, all repairable equipment must be returned to its original operational specifications, all salvageable equipment will be returned to Parks Canada and all non-repairable equipment must be returned to Parks Canada.

4.2.4 The contractor must own and be able to provide all the schematics and repair manuals for repairing Parks Canada ATR equipment.

4.2.5 If damage occurs to an ATR, housing, or wiring, Parks Canada reserves the option of replacing equipment deemed non-repairable at Parks Canada cost. Equipment must be replaced with the exact same equipment or Parks Canada approved equipment.

4.2.6 The contractor is responsible for purchasing additional equipment to increase the spare ATR float throughout the contract as necessary. This additional equipment becomes the property of PCA and must be returned to PCA at the end of the contract. If the contractor determines that more ATRs are required than the specified Firm Year quantities in the Basis of Payment, the Parks Canada representative is required to approve the change to the quantity to increase the spare float for this contract.

4.3 Data Retrieval

The contractor will physically download the data from each ATR at an interval that satisfies the reporting frequency requirements specified in section 4.4.2.

- 4.3.1 All ATRs must be configured to record traffic in both directions and store the directional traffic for 60 minute intervals. Some classifiers must be configured to record vehicle speed, length, and time gap between vehicles.
- 4.3.2 The contractor must use Golden River/Clearview Intelligence approved loop sensor communications cables with all the installed equipment.
- 4.3.3 The contractor must ensure that the counters use the Golden River/Clearview Intelligence Programming Language.
- 4.3.4 The contractor must provide his own personal computer to retrieve the data from the ATRs.
- 4.3.5 Data retrieval from ATRs at sites that are not enabled for cellular retrieval must be performed every second month within 10 calendar days of the beginning of that month. The bi-monthly retrievals must be done at the beginning of April, June, August, October, December, and February.
- 4.3.6 The contractor must provide the data collected from sites that are not enabled for cellular retrieval on an approved electronic storage medium to Parks Canada within one month of the data retrieval date, along with a detailed invoice indicating the following:
 - Site Retrieved
 - Date
 - Hours of Data Retrieved
- 4.3.7 Data retrieval from ATRs at specified sites that are enabled for cellular retrieval must be performed hourly as specified in Appendix A.1.
- 4.3.8 The contractor must provide the data collected from specified hourly sites that are enabled for cellular retrieval within 30 minutes of the end of the previous one-hour collection period.
- 4.3.9 Data retrieval from priority ATRs at specified sites that are enabled for cellular retrieval must be performed monthly as specified in Appendix A.1.

4.4 Data Processing and Report Specifications

- 4.4.1 The collection of data and subsequent production of traffic statistic reports is required for the duration of the contract.
- 4.4.2 Monthly / Annual Reports
 - 4.4.2.1 The contractor must e-mail bi-monthly / annual reports to the recipients on a mailing list provided by Parks Canada. The reports will be delivered every two months. (April, June, August, October, December, and February)

4.4.2.2 The contractor must e-mail monthly priority ATR reports to the recipients on a mailing list provided by Parks Canada. The reports must be delivered every month by 8:00 a.m. Mountain time zone on the second business day of each month. This service includes validating the ATR data for possible discrepancies. Estimated Monthly Average Daily Traffic Calculation (MADT) report must be delivered by 3:00 p.m. Mountain time zone on the second business day of the month if an ATR location is not accessible by 8:00 a.m. Mountain time zone on the second business day of the month. An updated report must be provided if any data is recovered at a later date.

4.4.3 Reports must be provided in Microsoft Excel 2013 through 2016 XML format. A dynamic online map must be provided with clickable geo-located ATR sites that provide a list of current and historical individual monthly reports in an intuitive interface that 75% of end users can use without training. If end user training is required, the contractor is required to provide thorough documentation on the usage of the online map.

4.4.4 Missing data

The contractor must present to Parks Canada the bi-monthly data in an acceptable format highlighting the “missing or corrupted” hours of data from the individual ATRs. Parks Canada expects a maximum of 5% of “missing or corrupted” hours of data for all sites combined over the duration of the contract. If there is more than the allowed 5% hours of data “missing or corrupted”, payment for work completed under this task will be prorated based on the number of acceptable hours of data retrieved from the total potential number of operating hours. For example, if in total all sites have 5% or fewer hours of “missing or corrupted” data, payment will be for 100% of the bid price. However, if the ATR network has 10% cumulative hours of “missing or corrupted” data, payment will be reduced by a percentage equal to the percentage of cumulative hours of “missing or corrupted” data to a maximum of 90% of the invoiced cost of the data retrieval, reporting, and maintenance portion of this contract.

4.4.4.1 The failure of an ATR or its components will result in missing data. Unless otherwise specified, missing or erroneous daily data must be represented as blanks. Where data is missing, the monthly volume total and MADT will be estimated.

4.4.4.2 There must be at least one complete week of data in a month in order for estimates to be calculated. For each ATR site where estimates are calculated, a monthly diagnostic report will be provided that will indicate the hours and percentage of good data for that reporting period.

4.4.4.3 Additionally a monthly diagnostic report will be provided indicating the number of hours and percentage of good data for each ATR site.

4.4.5 Monthly Volumetric ATR Reports

4.4.5.1 Each monthly report must be summarized into total two-way and directional traffic. Monthly reports must report hourly volumes, daily volume totals, monthly volume total and MADT (Monthly Average Daily Traffic) for directional and total two-way traffic.

4.4.6 Annual Volumetric ATR Reports

4.4.6.1 Volumetric Counters Annual Reports: An annual report must be produced for the end of each year in this contract. The annual report must show for each direction and total two-way traffic the following:

- MADT's for each month
- Monthly traffic volumes
- Average Annual Daily Traffic (AADT)
- Average Summer Daily Traffic (ASDT) (June 25 through September 7)
- Average Winter Daily Traffic (AWDT) (December through March)
- Total annual daily traffic volumes

Note: Where there is only total two-way traffic, only total two-way reports and data will be provided. Missing MADT's and monthly volumes must be estimated if at least one month of valid data is available.

4.4.7 Monthly Classifier (Speed and Class) ATR Reports

4.4.7.1 Each monthly report must be summarized into total two-way and directional traffic. Monthly reports must report hourly volumes, daily volume totals, monthly volume total and MADT (Monthly Average Daily Traffic) for directional and total two-way traffic.

4.4.7.2 Monthly Speed Report: The monthly speed report must report for each direction and two-way, hourly Average Speed, Standard Deviation and 85th percentile for the daily periods of 24Hrs, Day and Night. Monthly averages for the same must be included. Missing data must be represented as blanks.

4.4.7.3 Monthly Length Report: The monthly length report must report hourly total volume, volume and volume percentages for each direction and two-way, for collected length bin data for the periods of 24Hrs, Day and Night. Monthly averages for the same must be included. The current length categories are as follows:

Bin	Length Bin Criteria	
1	>= 0 cm	<= 600 cm
2	>= 601 cm	<= 1700 cm
3	>= 1701 cm	<= 3500 cm
4	> 3500 cm	

4.4.7.4 Monthly Gap Report: The monthly gap report must report hourly total volume, volume and volume percentages for each direction and two-way, for collected gap bin data. Monthly averages for the same must be included. The current gap categories for all sites except the Upper Norquay Road ATR site 11300030 are as follows:

Bin	Gap Bin Criteria	
1	0 sec.	<= 1 sec.
2	> 1 sec.	<= 3 sec.
3	> 3 sec.	<= 5 sec.
4	> 5 sec.	<=10 sec.
5	> 10 sec.	<= 20 sec.
6	> 20 sec.	<= 30 sec.

7	> 30 sec.	
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The gap categories for the Upper Norquay Road ATR site 11300030 are as follows:

Bin	Gap Bin Criteria	
1	0 sec.	<= 6 sec.
2	> 6 sec.	<= 30 sec.
3	> 30 sec.	<= 120 sec.
4	> 120 sec.	<= 240 sec.
5	> 240 sec.	<= 480 sec.
6	> 480 sec.	<= 990 sec.
7	> 990 sec.	

4.4.7.5 Monthly Classification Report: The monthly classification report must report hourly total volume, volume and volume percentages for each direction and two-way, for collected length bin data for the periods of 24Hrs, Day and Night. Monthly averages for the same must be included. Monthly classification reports must only be produced if current turning movement calibration data is available. The classification types to be included in this report are: PV, RV, Bus, Trucks (SU and TTC) and Other (if warranted).

4.4.8 Annual Classifier (Speed and Class) ATR Reports

4.4.8.1 Annual Speed Report: The annual speed report must report for each direction and two-way, monthly Average Speed, Standard Deviation and 85th percentile for the daily periods of 24Hrs, Day and Night. Annual averages for the same must be included.

4.4.8.2 Annual Length Report: The annual length report must report monthly total volume, volume and volume percentages for each direction and two-way, for collected length bin data for the periods of 24Hrs, Day and Night. Annual totals for the same must be included. The current length categories are as follows:

Bin	Length Bin Criteria	
1	>= 0 cm	<= 600 cm
2	>= 601 cm	<= 1700 cm
3	>= 1701 cm	<= 3500 cm
4	> 3500 cm	

4.4.8.3 Annual Gap Report: The annual gap report must report monthly total volume, volume and volume percentages for each direction and two-way, for collected gap bin data. Annual totals for the same must be included. The current gap categories for all sites except the Upper Norquay Road ATR site 11300030 are as follows:

Bin	Gap Bin Criteria	
1	0 sec.	<= 1 sec.
2	> 1 sec.	<= 3 sec.
3	> 3 sec.	<= 5 sec.
4	> 5 sec.	<=10 sec.
5	> 10 sec.	<= 20 sec.
6	> 20 sec.	<= 30 sec.

7	> 30 sec.	
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The gap categories for the Upper Norquay Road ATR site 11300030 are as follows:

Bin	Gap Bin Criteria	
1	0 sec.	<= 6 sec.
2	> 6 sec.	<= 30 sec.
3	> 30 sec.	<= 120 sec.
4	> 120 sec.	<= 240 sec.
5	> 240 sec.	<= 480 sec.
6	> 480 sec.	<= 990 sec.
7	> 990 sec.	

4.4.8.4 Annual Classification Report: The annual classification report must report monthly total volume, volume and volume percentages for each direction and two-way, for collected gap bin data for the periods of 24Hrs, Day and Night. Annual totals for the same must be included. Annual classification reports must only be produced if current turning movement calibration data is available. The classification types to be included in this report are: PV, RV, Bus, Trucks (SU and TTC) and Other (if warranted).

4.4.9 Hourly Volumetric ATR Reports from Cellular Sites

4.4.9.1 Each report must be arranged the same as a Monthly Volumetric ATR report summarized into total two-way and directional traffic. Monthly reports must report hourly volumes, daily volume totals, monthly volume total and MADT (Monthly Average Daily Traffic) for directional and total two-way traffic. The report data must fill in hourly as data becomes available through the cellular network.

4.4.9.2 A dynamic online map must be provided with clickable geo-located ATR sites that provide a list of individual hourly and historical monthly reports in an intuitive interface that 75% of end users can use without training. The hourly ATR sites must be identified on the map using an icon which differentiates it from non-cellular ATR sites.

4.4.10 Hourly Notification Emails of Threshold Volume Exceeded from Cellular Sites

4.4.10.1 Directional threshold for each hourly cellular ATR site must be configurable. For each ATR site, when a threshold has been exceeded, an email must be sent to a notification list maintained by the contractor.

4.4.10.2 Thresholds must be set as follows. A high value is specified for Westbound/Northbound traffic so that notifications aren't distributed for high volumes of traffic leaving parking lots.

ATR ID	Eastbound/Southbound threshold volume (uphill)	Westbound/Northbound threshold volume (downhill)
11800002	175	1000
11800201	475	1000
11800302	400	1000

4.4.10.3 There may be times when an hourly cellular ATR site cannot be contacted due to cellular issues beyond the contractor's control. If a site is not accessible, a

connection must be re-tried within an hour. If the attempt to retry connecting is not successful, an email must be sent to the notification list after the second unsuccessful connection attempt. The email must indicate which ATR Site has gone offline.

4.4.10.4 When a connection to a site that was previously offline has been re-established, an email must be sent to the notification list containing information that no data was lost, or a summary indicating the period(s) of time for which data could not be recovered.

4.4.11 Monthly Priority Volumetric ATR Reports from Cellular Sites

4.4.11.1 Each report must be arranged the same as a Monthly Volumetric ATR report summarized into total two-way and directional traffic. Monthly reports must report hourly volumes, daily volume totals, monthly volume total and MADT (Monthly Average Daily Traffic) for directional and total two-way traffic.

4.4.11.2 Estimated Monthly Average Daily Traffic Calculation (MADT) report must be delivered by 3:00 p.m. Mountain time zone on the second business day of the month if an ATR location is not accessible by 8:00 a.m. Mountain time zone on the second business day of the month. An updated report must be provided if any data is recovered at a later date.

4.5 Installation of New ATR Sites

4.5.1 Installation, operation, maintenance, data retrieval, and replacement of additional ATRs may be added to this contract. Parks Canada will inform the contractor of the additional site requirements if any. The contractor must retrieve data and maintain new sites as described in section 4.0.

4.5.2 New Classifier and Volumetric sites require installation of in-road loop sensors and site infrastructure: cabinet, post, solar panel, wiring, battery and regulator.

4.5.3 Volumetric site installation costs do not include the cost of the Golden River 3031 volumetric counter hardware. The spare supply of Golden River 3031 hardware is sufficient to supply any new volumetric site installations.

4.5.4 Classifier site installation costs do not include the cost of purchasing new Clearview Intelligence M680 classifier hardware. Classifier hardware is to be priced separately.

4.6 Loop Installation and Repair

4.6.1 The contractor must immediately report any loop failures to Parks Canada. The loop must be repaired, re-installed or the ATR moved to another site selected by Parks Canada after written approval to proceed with the work request has been received by the contractor from Parks Canada.

4.6.2 Loops must be installed and repaired as per ITE guidelines.

4.6.3 The contractor must provide Parks Canada with a schedule to undertake the work within two weeks of receiving a list of installation sites.

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- 4.6.4 Loop installation and repair can only occur during daylight hours (1/2 hour after sunrise to 1/2 hour before sunset) and during months where the mean temperature is + 5 °C. The driving surface must be in good dry driving condition.
- 4.6.5 The contractor must comply with the National Parks Act and obtain Parks Canada construction permits to perform the required work.
- 4.6.6 The contractor must comply with all federal and provincial safety standards while working within the highway right of way.
- 4.6.7 The contractor, while working within the highway right of way must ensure that the traffic control used, along with the apparel worn conform to OH&S, Parks Canada Standards, and any other applicable statutes. Traffic control must be supplied by the contractor at his cost.
- 4.6.8 The contractor must notify the local Parks Canada Highways Manager and the local Environmental Assessment Specialist one week prior to the commencement of work at each installation.
- 4.6.9 The contractor must undertake inductance testing of any loop installed at the time of installation.
- 4.6.10 The contractor must complete a "Work Performed Report" pre-approved by Parks Canada.

5.0 GENERAL INFORMATION

- 5.1 The contractor must not carry out any additional work under the contract without the prior written authorization from the Parks Canada contracting authority.
- 5.2 Parks Canada retains ownership of all equipment and both raw and processed data. No copies are to be made by the contractor for their or anyone else's use.
- 5.3 The contractor is responsible for all labour, supplies and equipment required to carry out the necessary work.
 - 5.4 The contractor must not use the Parks Canada logo on any of the statistical forms.
 - 5.5 All records of field work are to be returned to Parks Canada.
- 5.6 All reports provided to Parks Canada must be in a predetermined electronic format on the following mediums:
 - Format: Microsoft Excel 2013 through 2016 Open XML format with multiple reports from each reporting period compressed in a single zip file
 - Medium: email and a dynamic online map with clickable geo-located ATR sites that provide a list of current and historical individual monthly reports.
- 5.7 The contractor must abide by National Parks Act, and all Federal and Provincial legislation, Statutes, Regulations, etc.

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Appendix A.1. Automated Traffic Recorder Sites

ATR ID	HWY OR TOWN	SITE LOCATION DESCRIPTION	SITE TYPE	MAINTAINED BY	CELLULAR RETRIEVAL
10100300	1	2.5KM E OF MINNEWANKA	CLASSIFIER	PCA	
10100500	1	0.7 KM E OF NORQUAY	VOLUMETRIC	PCA	
10107211	1	TCH WB & WB RAMP LK. LOUISE INTERCH.	VOLUMETRIC	PCA	
10107251	1	TCH EB & EB RAMP LK. LOUISE INTERCH.	VOLUMETRIC	PCA	
10107300	1	0.7 KM W 1 & LAKE LOUISE DR	CLASSIFIER	PCA	
10200401	93	4.3 KM N OF 1 & 93 LAKE LOUISE	CLASSIFIER	PCA	
10201501	93	2.0 KM N HWY 93 & BOW LAKE RD	CLASSIFIER	PCA	
10212101	93	0.3 KM S OF BANFF - JASPER BORDER	VOLUMETRIC	PCA	
10300701	93	6.1 KM S OF 1 & 93 LAKE LOUISE	CLASSIFIER	PCA	
10400100	1A	0.6 KM W OF 1 & BOW VAL PARKWAY (COLLECTS TIMESTAMP DATA)	CLASSIFIER	PCA	
10400600	1A	4.1 KM E OF JOHNSON CANYON CAMPGROUND	VOLUMETRIC	PCA	
10404701	1A	1.6 KM E OF WHITEHORN RD & BOW VAL PARKWAY	VOLUMETRIC	PCA	
11000071	Banff	0.4 KM N 1 & MINNENWANKA RD	VOLUMETRIC	PCA	
11100002	Lake Louise	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD	CLASSIFIER	PCA	YES ²
11300010	Banff	0.3 KM N 1 & MT NORQUAY SCENIC DR	VOLUMETRIC	PCA	
11300030	Banff	0.3 KM S OF MT NORQUAY SKI AREA PARKING LOT	CLASSIFIER	PCA	YES ²
11700002	Banff	SUNSHINE RD	VOLUMETRIC	PCA	
11700010	Banff	GOLF COURSE RD	CLASSIFIER	PCA	
11800100	Lake Louise	0.1 KM S 1 & LAKE LOUISE DR	VOLUMETRIC	PCA	
11800201	Lake Louise	2.2 KM S 1 & LAKE LOUISE DR	VOLUMETRIC	PCA	YES ²
11800302	Lake Louise	3.6 KM S 1 & LAKE LOUISE DR	CLASSIFIER	PCA	YES ²
12000101	Lake Louise	1.2 KM N BOW VAL PARKWAY & WHITEHORN ROAD	VOLUMETRIC	PCA	
14000101	Banff	1.2 KM S MOUNTAIN AVE & UPPER HOT SPRINGS RD	VOLUMETRIC	PCA	
30103509	16	14.0 KM E OF 16 & E JASPER TOWNSITE	CLASSIFIER	PCA	
30107201	16	19.1 KM W OF 16 & 93 W JASPER TOWNSITE	VOLUMETRIC	PCA	YES ¹
30215001	93	5.4 KM S 16 & 93 JASPER	CLASSIFIER	PCA	
40309000	93	3.0 KM N OF SETTLERS RD	VOLUMETRIC	PCA	
40310601	93	0.3 KM S OF KOOTENAY PARK GATES	VOLUMETRIC	PCA	YES ¹
50010040	1	1.4 KM W OF 1 & 93 CASTLE JUNCTION	CLASSIFIER	PCA	
50010050	1	1.6 KM W OF BANFF PARK GATES	VOLUMETRIC	PCA	YES ¹
50010080	1	0.6 KM E OF FIELD	CLASSIFIER	PCA	
50010090	1	0.25 KM W OF FIELD ENTRANCE	VOLUMETRIC	PCA	YES ¹
50010450	1	1.2 KM E OF CASTLE JCT	CLASSIFIER	PCA	
50100301	1	3.0 KM W OF 1 & GLACIER PARK BOUNDARY	VOLUMETRIC	PCA	
50102407	1	0.7 KM W OF 1 & ROGERS PASS CENTRE	CLASSIFIER	PCA	YES ¹
50110250	11	2.3 KM E OF BANFF PARK GATES	VOLUMETRIC	PCA	YES ¹
50160210	16	EAST JASPER PARK GATES	VOLUMETRIC	Alberta	YES ¹
80108501	1	ALTA-BC BORDER	VOLUMETRIC	PCA	

¹Priority monthly report sites

²Hourly cellular retrieval sites

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Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

Appendix A.2. Spare Automated Traffic Recorders

Golden River 3031 Volumetric Counters

SERIAL #	MODEL #	STATUS
4057	GR3031	SPARE
4058	GR3031	SPARE
4068	GR3031	SPARE
4069	GR3031	SPARE
4070	GR3031	SPARE
4073	GR3031	SPARE
4076	GR3031	SPARE
4078	GR3031	SPARE
5384	GR3031	SPARE
5386	GR3031	SPARE
5388	GR3031	SPARE
5405	GR3031	SPARE
5412	GR3031	SPARE

Golden River M660 Classifiers

SERIAL #	MODEL #	STATUS
155768	GR M660	SPARE
155769	GR M660	SPARE
155771	GR M660	SPARE
600068	GR M660	SPARE
700220	GR M660	SPARE

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ANNEX B

BASIS OF PAYMENT

Financial Bid Submission Requirements

- (a) The Bidder must submit their financial bid in accordance with the Basis of Payment.
- (b) All prices are in Canadian dollars, FOB destination
- (c) Customs duties are included and Applicable Taxes are extra.
- (d) Total Combined Evaluated Estimated Bid Price Calculation:

For the purposes of evaluation, the evaluated bid price will be comprised of the combined total of Table F, Table L, Table R and Table X.

1. Contract – April 01, 2020 to March 31, 2021 inclusive

1.1 Firm Unit Price(s) for Required Services – Physical Data Retrieval and Maintenance

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to travelling to, operating, and data retrieval from the ATRs must be included in the price per site visit. Do not include charges related to cellular data plans, cellular data retrieval, hourly reporting or email alerts.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
1.1.1	10100300	2.5KM E OF MINNEWANKA	BNP	6	\$	\$
1.1.2	10100500	0.7 KM E OF NORQUA	BNP	6	\$	\$
1.1.3	10107211	TCH WB & WB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
1.1.4	10107251	TCH EB & EB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
1.1.5	10107300	0.7 KM W 1 & LAKE LOUISE DR	BNP	6	\$	\$
1.1.6	10200401	4.3 KM N OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$
1.1.7	10201501	2.0 KM N HWY 93 & BOW LAKE RD	BNP	6	\$	\$
1.1.8	10212101	0.3 KM S OF BANFF - JASPER BORDER	BNP	6	\$	\$
1.1.9	10300701	6.1 KM S OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$

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Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

1.1.10	10400100	0.6 KM W OF 1 & BOW VAL PARKWAY ³	BNP	6	\$	\$
1.1.11	10400600	4.1 KM E OF JOHNSON CANYON CAMPGROUND	BNP	6	\$	\$
1.1.12	10404701	1.6 KM E OF WHITEHORN RD & BOW VAL PARKWAY	BNP	6	\$	\$
1.1.13	11000071	0.4 KM N 1 & MINNENWANKA RD	BNP	6	\$	\$
1.1.14	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{1,2}	BNP	3	\$	\$
1.1.15	11300010	0.3 KM N 1 & MT NORQUAY SCENIC DR	BNP	6	\$	\$
1.1.16	11300030	0.3 KM S OF MT NORQUAY SKI AREA PARKING LOT ^{1,2}	BNP	6	\$	\$
1.1.17	11700002	SUNSHINE RD	BNP	6	\$	\$
1.1.18	11700010	GOLF COURSE RD	BNP	6	\$	\$
1.1.19	11800100	0.1 KM S 1 & LAKE LOUISE DR	BNP	6	\$	\$
1.1.20	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	6	\$	\$
1.1.21	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
1.1.22	12000101	1.2 KM N BOW VAL PARKWAY & WHITEHORN ROAD	BNP	6	\$	\$
1.1.23	14000101	1.2 KM S MOUNTAIN AVE & UPPER HOT SPRINGS RD	BNP	6	\$	\$
1.1.24	30103509	14.0 KM E OF 16 & E JASPER TOWNSITE	JNP	6	\$	\$
1.1.25	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ^{9 10}	JNP	0	\$	\$
1.1.26	30215001	5.4 KM S 16 & 93 JASPER	JNP	6	\$	\$
1.1.27	40309000	3.0 KM N OF SETTLERS RD	KNP	6	\$	\$
1.1.28	40310601	0.3 KM S OF KOOTENAY PARK GATES ^{9 10}	KNP	0	\$	\$
1.1.29	50010040	1.4 KM W OF 1 & 93 CASTLE JUNCTION	BNP	6	\$	\$
1.1.30	50010050	1.6 KM W OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
1.1.31	50010080	0.6 KM E OF FIELD	YNP	6	\$	\$
1.1.32	50010090	0.25 KM W OF FIELD ENTRANCE ^{9 10}	YNP	0	\$	\$
1.1.33	50010450	1.2 KM E OF CASTLE JCT	BNP	6	\$	\$
1.1.34	50100301	3.0 KM W OF 1 & GLACIER PARK BOUNDARY	GNP	6	\$	\$

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1.1.35	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ^{9 10}	GNP	0	\$	\$
1.1.36	50110250	2.3 KM E OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
1.1.37	50160210	EAST JASPER PARK GATES ^{9 10}	JNP	0	\$	\$
1.1.38	80108501	ALTA-BC BORDER	YNP	6	\$	\$
A	Combined Estimated Total Firm Unit Price(s) Data Retrieval and Maintenance (excluding applicable tax)					\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

³ Site collects extra "Timestamp" data

⁹ Operates as a priority monthly ATR site

¹⁰ Sites are cellular downloaded, but still require maintenance

1.2 Firm Unit Price(s) for Required Services – Cellular Data Retrieval

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to cellular data plans, cellular data retrieval, processing and updating hourly reports and distribution of email alerts from specific ATRs marked as cellular must be included in the price per site visit.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
1.2.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{1,2}	BNP	3	\$	\$
1.2.2	11300030	0.3 KM N 1 & MT NORQUAY SCENIC DR ¹	BNP	6	\$	\$
1.2.3	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2,4}	BNP	3	\$	\$
1.2.4	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
1.2.5	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ⁹	JNP	12	\$	\$
1.2.6	40310601	0.3 KM S OF KOOTENAY PARK GATES ⁹	KNP	12	\$	\$
1.2.7	50010050	1.6 KM W OF BANFF PARK GATES ⁹	BNP	12	\$	\$
1.2.8	50010090	0.25 KM W OF FIELD ENTRANCE ⁹	YNP	12	\$	\$
1.2.9	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ⁹	GNP	12	\$	\$

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1.2.10	50110250	2.3 KM E OF BANFF PARK GATES ⁹	BNP	12	\$	\$
1.2.11	50160210	EAST JASPER PARK GATES ⁹	JNP	12	\$	\$
B	Combined Estimated Total Firm Unit Price(s) Cellular Data Retrieval (excluding applicable tax)					\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

⁴ Site operates as a physical download (non-cellular) site between the months of December and May inclusive

⁹ Operates as a priority monthly ATR site

1.3 Firm Unit Price(s) for Required Services – Reports

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Refer to section 4.4.4 for missing data policy. Sections 4.4.5 and 4.4.6 detail specifications for Volumetric reports. Sections 4.4.7 and 4.4.8 detail specifications for Speed and Class reports. All ATRs will have Volumetric reports produced and only Classifiers require Speed and Class reports. Refer to Appendix A.1 for list of site types.

Item No.	Report Type	Reports (R)	Price Per Report (PPR)	Extended Total(s) (R x PPR)
1.3.1	Bi-monthly (1 per site visit) Volumetric Reports for 31 ATRs ⁵	186	\$	\$
1.3.2	Bi-monthly (1 per site visit) Speed and Class Reports for 16 ATRs	96	\$	\$
1.3.3	Monthly (1 per site visit) Volumetric Reports for 7 ATRs	84	\$	\$
1.3.4	Estimated Monthly Average Daily Traffic Calculation (MADT) report if a Priority Monthly ATR location is not accessible	12	\$	\$
C	Combined Estimated Total Firm Unit Price(s) Reports (excluding applicable tax)			\$

⁵ Of the 38 ATR network, two classifier ATRs are inactive for three reporting periods, the 7 ATRs are reported monthly.

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n/a

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1.4 Firm Unit Price(s) for Required Services – Seasonal Site Activation and Deactivation

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to activation of sites that are used to collect seasonal data must be included in the activation price. Activation charges must include site testing, hardware installation, activation of cellular data plans, and activation of hourly monitoring, reporting and email notification. Charges related to deactivation of sites during off-season periods must be included in the deactivation price. Deactivation charges must include securing site for off-season, hardware removal, deactivation of cellular data plans, and deactivation of hourly monitoring, reporting and email notification. Unless otherwise noted, site activations and deactivations must align with the bi-monthly data retrieval schedule as outlined in section 4.3.5. Site activation occurs in June and deactivation occurs in November. Charges for November Site Visits are accounted for in Table 1.1.

Item No.	ATR ID	Site Location Description	Park	Activation Price (AP)	Deactivation Price (DP)	Extended Total(s) (AP + DP)
1.4.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINE LAKE RD ^{6,8}	BNP	\$	\$	\$
1.4.2	11800201	2.2 KM S 1 & LAKE LOUISE DR ⁷	BNP	\$	\$	\$
1.4.3	11800302	3.6 KM S 1 & LAKE LOUISE DR ⁶	BNP	\$	\$	\$
D	Combined Estimated Total Firm Unit Price(s) Seasonal Site Activation and Deactivation (excluding applicable tax)					\$

⁶ Site activation/deactivation includes installation/removal of ATR and activation/deactivation of cellular capabilities to supply hourly data over a cellular data network

⁷ Site is active year-round as a physical download site. Only cellular capability activation and deactivation is required to supply hourly data over a cellular data network

⁸ Site 11100002 is inaccessible by contractor for deactivation as road is closed to traffic during off-season. Park staff will remove ATR hardware and deactivate as instructed by contractor. All ATR hardware removed from cabinet will be transferred to contractor in a mutually agreed upon manner.

1.5 Firm Unit Price(s) for As and When Requested Services

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Item No.	Item Description	Quantity (Q)	Unit Price (UP)	Extended Total(s) (Q x UP)
1.5.1	Two loop site installation (see section 4.5)	1	\$	\$

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1.5.2	Four loop site installation (see section 4.5)	1	\$	\$
1.5.3	Eight loop site installation (see section 4.5)	1	\$	\$
1.5.4	One Golden River M660 Classifier	1	\$	\$
1.5.5	Upgrade of Golden River M660 Classifier infrastructure to Clearview Intelligence M680 Classifier	2	\$	\$
E	Combined Estimated Total Firm Unit Price(s) As and When Requested Work (excluding applicable tax)			\$

1.6 Estimated Total Combined Evaluated Contract Year Price

The total bid evaluated Contract Year price is the sum of Tables A through E.

F	ESTIMATED TOTAL COMBINED <u>EVALUATED</u> CONTRACT YEAR PRICE (A + B + C + D + E) (excluding applicable tax)	\$
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2. Option Year One (1) – April 01, 2021 to March 31, 2022 inclusive

2.1 Firm Unit Price(s) for Required Services – Physical Data Retrieval and Maintenance

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to travelling to, operating, and data retrieval from the ATRs must be included in the price per site visit. Do not include charges related to cellular data plans, cellular data retrieval, hourly reporting or email alerts.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
2.1.1	10100300	2.5KM E OF MINNEWANKA	BNP	6	\$	\$
2.1.2	10100500	0.7 KM E OF NORQUA	BNP	6	\$	\$
2.1.3	10107211	TCH WB & WB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
2.1.4	10107251	TCH EB & EB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
2.1.5	10107300	0.7 KM W 1 & LAKE LOUISE DR	BNP	6	\$	\$
2.1.6	10200401	4.3 KM N OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$
2.1.7	10201501	2.0 KM N HWY 93 & BOW LAKE RD	BNP	6	\$	\$
2.1.8	10212101	0.3 KM S OF BANFF - JASPER BORDER	BNP	6	\$	\$
2.1.9	10300701	6.1 KM S OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$
2.1.10	10400100	0.6 KM W OF 1 & BOW VAL PARKWAY ³	BNP	6	\$	\$
2.1.11	10400600	4.1 KM E OF JOHNSON CANYON CAMPGROUND	BNP	6	\$	\$
2.1.12	10404701	1.6 KM E OF WHITEHORN RD & BOW VAL PARKWAY	BNP	6	\$	\$
2.1.13	11000071	0.4 KM N 1 & MINNENWANKA RD	BNP	6	\$	\$
2.1.14	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{1,2}	BNP	3	\$	\$
2.1.15	11300010	0.3 KM N 1 & MT NORQUAY SCENIC DR	BNP	6	\$	\$
2.1.16	11300030	0.3 KM S OF MT NORQUAY SKI AREA PARKING LOT ^{1,2}	BNP	6	\$	\$
2.1.17	11700002	SUNSHINE RD	BNP	6	\$	\$

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2.1.18	11700010	GOLF COURSE RD	BNP	6	\$	\$
2.1.19	11800100	0.1 KM S 1 & LAKE LOUISE DR	BNP	6	\$	\$
2.1.20	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	6	\$	\$
2.1.21	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
2.1.22	12000101	1.2 KM N BOW VAL PARKWAY & WHITEHORN ROAD	BNP	6	\$	\$
2.1.23	14000101	1.2 KM S MOUNTAIN AVE & UPPER HOT SPRINGS RD	BNP	6	\$	\$
2.1.24	30103509	14.0 KM E OF 16 & E JASPER TOWNSITE	JNP	6	\$	\$
2.1.25	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ^{9 10}	JNP	0	\$	\$
2.1.26	30215001	5.4 KM S 16 & 93 JASPER	JNP	6	\$	\$
2.1.27	40309000	3.0 KM N OF SETTLERS RD	KNP	6	\$	\$
2.1.28	40310601	0.3 KM S OF KOOTENAY PARK GATES ^{9 10}	KNP	0	\$	\$
2.1.29	50010040	1.4 KM W OF 1 & 93 CASTLE JUNCTION	BNP	6	\$	\$
2.1.30	50010050	1.6 KM W OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
2.1.31	50010080	0.6 KM E OF FIELD	YNP	6	\$	\$
2.1.32	50010090	0.25 KM W OF FIELD ENTRANCE ^{9 10}	YNP	0	\$	\$
2.1.33	50010450	1.2 KM E OF CASTLE JCT	BNP	6	\$	\$
2.1.34	50100301	3.0 KM W OF 1 & GLACIER PARK BOUNDARY	GNP	6	\$	\$
2.1.35	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ^{9 10}	GNP	0	\$	\$
2.1.36	50110250	2.3 KM E OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
2.1.37	50160210	EAST JASPER PARK GATES ^{9 10}	JNP	0	\$	\$
2.1.38	80108501	ALTA-BC BORDER	YNP	6	\$	\$
G	Combined Estimated Total Firm Unit Price(s) Data Retrieval and Maintenance (excluding applicable tax)					\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

³ Site collects extra "Timestamp" data

⁹ Operates as a priority monthly ATR site

¹⁰ Sites are cellular downloaded, but still require maintenance

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n/a

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2.2 Firm Unit Price(s) for Required Services – Cellular Data Retrieval

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to cellular data plans, cellular data retrieval, processing and updating hourly reports and distribution of email alerts from specific ATRs marked as cellular must be included in the price per site visit.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
2.2.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{1,2}	BNP	3	\$	\$
2.2.2	11300030	0.3 KM N 1 & MT NORQUAY SCENIC DR ¹	BNP	6	\$	\$
2.2.3	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2,4}	BNP	3	\$	\$
2.2.4	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
2.2.5	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ⁹	JNP	12	\$	\$
2.2.6	40310601	0.3 KM S OF KOOTENAY PARK GATES ⁹	KNP	12	\$	\$
2.2.7	50010050	1.6 KM W OF BANFF PARK GATES ⁹	BNP	12	\$	\$
2.2.8	50010090	0.25 KM W OF FIELD ENTRANCE ⁹	YNP	12	\$	\$
2.2.9	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ⁹	GNP	12	\$	\$
2.2.10	50110250	2.3 KM E OF BANFF PARK GATES ⁹	BNP	12	\$	\$
2.2.11	50160210	EAST JASPER PARK GATES ⁹	JNP	12	\$	\$
H	Combined Estimated Total Firm Unit Price(s) Cellular Data Retrieval (excluding applicable tax)					\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

⁴ Site operates as a physical download (non-cellular) site between the months of December and May inclusive

⁹ Operates as a priority monthly ATR site

2.3 Firm Unit Price(s) for Required Services – Reports

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

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Refer to section 4.4.4 for missing data policy. Sections 4.4.5 and 4.4.6 detail specifications for Volumetric reports. Sections 4.4.7 and 4.4.8 detail specifications for Speed and Class reports. All ATRs will have Volumetric reports produced and only Classifiers require Speed and Class reports. Refer to Appendix A.1 for list of site types.

Item No.	Report Type	Reports (R)	Price Per Report (PPR)	Extended Total(s) (R x PPR)
2.3.1	Bi-monthly (1 per site visit) Volumetric Reports for 31 ATRs ⁵	186	\$	\$
2.3.2	Bi-monthly (1 per site visit) Speed and Class Reports for 16 ATRs	96	\$	\$
2.3.3	Monthly (1 per site visit) Volumetric Reports for 7 ATRs	84	\$	\$
2.3.4	Estimated Monthly Average Daily Traffic Calculation (MADT) report if a Priority Monthly ATR location is not accessible	12	\$	\$
I	Combined Estimated Total Firm Unit Price(s) Reports (excluding applicable tax)			\$

⁵ Of the 38 ATR network, two classifier ATRs are inactive for three reporting periods, the 7 ATRs are reported monthly.

2.4 Firm Unit Price(s) for Required Services – Seasonal Site Activation and Deactivation

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to activation of sites that are used to collect seasonal data must be included in the activation price. Activation charges must include site testing, hardware installation, activation of cellular data plans, and activation of hourly monitoring, reporting and email notification. Charges related to deactivation of sites during off-season periods must be included in the deactivation price. Deactivation charges must include securing site for off-season, hardware removal, deactivation of cellular data plans, and deactivation of hourly monitoring, reporting and email notification. Unless otherwise noted, site activations and deactivations must align with the bi-monthly data retrieval schedule as outlined in section 4.3.5. Site activation occurs in June and deactivation occurs in November. Charges for November Site Visits are accounted for in Table 2.1.

Item No.	ATR ID	Site Location Description	Park	Activation Price (AP)	Deactivation Price (DP)	Extended Total(s) (AP + DP)
2.4.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{6,8}	BNP	\$	\$	\$
2.4.2	11800201	2.2 KM S 1 & LAKE LOUISE DR ⁷	BNP	\$	\$	\$

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2.4.3	11800302	3.6 KM S 1 & LAKE LOUISE DR ⁶	BNP	\$	\$	\$
J	Combined Estimated Total Firm Unit Price(s) Seasonal Site Activation and Deactivation (excluding applicable tax)					\$

⁶ Site activation/deactivation includes installation/removal of ATR and activation/deactivation of cellular capabilities to supply hourly data over a cellular data network

⁷ Site is active year-round as a physical download site. Only cellular capability activation and deactivation is required to supply hourly data over a cellular data network

⁸ Site 11100002 is inaccessible by contractor for deactivation as road is closed to traffic during off-season. Park staff will remove ATR hardware and deactivate as instructed by contractor. All ATR hardware removed from cabinet will be transferred to contractor in a mutually agreed upon manner.

2.5 Firm Unit Price(s) for As and When Requested Services

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Item No.	Item Description	Quantity (Q)	Unit Price (UP)	Extended Total(s) (Q x UP)
2.5.1	Two loop site installation (see section 4.5)	1	\$	\$
2.5.2	Four loop site installation (see section 4.5)	1	\$	\$
2.5.3	Eight loop site installation (see section 4.5)	1	\$	\$
2.5.4	One Golden River M660 Classifier	1	\$	\$
2.5.5	Upgrade of Golden River M660 Classifier infrastructure to Clearview Intelligence M680 Classifier	2	\$	\$
K	Combined Estimated Total Firm Unit Price(s) As and When Requested Work (excluding applicable tax)			\$

2.6 Estimated Total Combined Evaluated Option Year One (1) Price

The total bid evaluated Contract Year price is the sum of Tables G through K.

L	ESTIMATED TOTAL COMBINED EVALUATED OPTION YEAR ONE (1) PRICE (G + H + I + J + K) (excluding applicable tax)			\$
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Contracting Authority - Autorité contractante :
Kirsten Sage

Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

3. Option Year Two (2) – April 01, 2022 to March 31, 2023 inclusive

3.1 Firm Unit Price(s) for Required Services – Physical Data Retrieval and Maintenance

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to travelling to, operating, and data retrieval from the ATRs must be included in the price per site visit. Do not include charges related to cellular data plans, cellular data retrieval, hourly reporting or email alerts.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
3.1.1	10100300	2.5KM E OF MINNEWANKA	BNP	6	\$	\$
3.1.2	10100500	0.7 KM E OF NORQUA	BNP	6	\$	\$
3.1.3	10107211	TCH WB & WB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
3.1.4	10107251	TCH EB & EB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
3.1.5	10107300	0.7 KM W 1 & LAKE LOUISE DR	BNP	6	\$	\$
3.1.6	10200401	4.3 KM N OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$
3.1.7	10201501	2.0 KM N HWY 93 & BOW LAKE RD	BNP	6	\$	\$
3.1.8	10212101	0.3 KM S OF BANFF - JASPER BORDER	BNP	6	\$	\$
3.1.9	10300701	6.1 KM S OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$
3.1.10	10400100	0.6 KM W OF 1 & BOW VAL PARKWAY ³	BNP	6	\$	\$
3.1.11	10400600	4.1 KM E OF JOHNSON CANYON CAMPGROUND	BNP	6	\$	\$
3.1.12	10404701	1.6 KM E OF WHITEHORN RD & BOW VAL PARKWAY	BNP	6	\$	\$
3.1.13	11000071	0.4 KM N 1 & MINNENWANKA RD	BNP	6	\$	\$
3.1.14	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{1,2}	BNP	3	\$	\$
3.1.15	11300010	0.3 KM N 1 & MT NORQUAY SCENIC DR	BNP	6	\$	\$
3.1.16	11300030	0.3 KM S OF MT NORQUAY SKI AREA PARKING LOT ^{1,2}	BNP	6	\$	\$
3.1.17	11700002	SUNSHINE RD	BNP	6	\$	\$

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n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

3.1.18	11700010	GOLF COURSE RD	BNP	6	\$	\$
3.1.19	11800100	0.1 KM S 1 & LAKE LOUISE DR	BNP	6	\$	\$
3.1.20	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	6	\$	\$
3.1.21	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
3.1.22	12000101	1.2 KM N BOW VAL PARKWAY & WHITEHORN ROAD	BNP	6	\$	\$
3.1.23	14000101	1.2 KM S MOUNTAIN AVE & UPPER HOT SPRINGS RD	BNP	6	\$	\$
3.1.24	30103509	14.0 KM E OF 16 & E JASPER TOWNSITE	JNP	6	\$	\$
3.1.25	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ^{9 10}	JNP	0	\$	\$
3.1.26	30215001	5.4 KM S 16 & 93 JASPER	JNP	6	\$	\$
3.1.27	40309000	3.0 KM N OF SETTLERS RD	KNP	6	\$	\$
3.1.28	40310601	0.3 KM S OF KOOTENAY PARK GATES ^{9 10}	KNP	0	\$	\$
3.1.29	50010040	1.4 KM W OF 1 & 93 CASTLE JUNCTION	BNP	6	\$	\$
3.1.30	50010050	1.6 KM W OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
3.1.31	50010080	0.6 KM E OF FIELD	YNP	6	\$	\$
3.1.32	50010090	0.25 KM W OF FIELD ENTRANCE ^{9 10}	YNP	0	\$	\$
3.1.33	50010450	1.2 KM E OF CASTLE JCT	BNP	6	\$	\$
3.1.34	50100301	3.0 KM W OF 1 & GLACIER PARK BOUNDARY	GNP	6	\$	\$
3.1.35	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ^{9 10}	GNP	0	\$	\$
3.1.36	50110250	2.3 KM E OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
3.1.37	50160210	EAST JASPER PARK GATES ^{9 10}	JNP	0	\$	\$
3.1.38	80108501	ALTA-BC BORDER	YNP	6	\$	\$
M	Combined Estimated Total Firm Unit Price(s) Data Retrieval and Maintenance (excluding applicable tax)					\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

³ Site collects extra "Timestamp" data

⁹ Operates as a priority monthly ATR site

¹⁰ Sites are cellular downloaded, but still require maintenance

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Contracting Authority - Autorité contractante :
Kirsten Sage

Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

3.2 Firm Unit Price(s) for Required Services – Cellular Data Retrieval

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to cellular data plans, cellular data retrieval, processing and updating hourly reports and distribution of email alerts from specific ATRs marked as cellular must be included in the price per site visit.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
3.2.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{1,2}	BNP	3	\$	\$
3.2.2	11300030	0.3 KM N 1 & MT NORQUAY SCENIC DR ¹	BNP	6	\$	\$
3.2.3	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2,4}	BNP	3	\$	\$
3.2.4	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
3.2.5	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ⁹	JNP	12	\$	\$
3.2.6	40310601	0.3 KM S OF KOOTENAY PARK GATES ⁹	KNP	12	\$	\$
3.2.7	50010050	1.6 KM W OF BANFF PARK GATES ⁹	BNP	12	\$	\$
3.2.8	50010090	0.25 KM W OF FIELD ENTRANCE ⁹	YNP	12	\$	\$
3.2.9	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ⁹	GNP	12	\$	\$
3.2.10	50110250	2.3 KM E OF BANFF PARK GATES ⁹	BNP	12	\$	\$
3.2.11	50160210	EAST JASPER PARK GATES ⁹	JNP	12	\$	\$
N	Combined Estimated Total Firm Unit Price(s) Cellular Data Retrieval (excluding applicable tax)					\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

⁴ Site operates as a physical download (non-cellular) site between the months of December and May inclusive

⁹ Operates as a priority monthly ATR site

3.3 Firm Unit Price(s) for Required Services – Reports

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

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Contracting Authority - Autorité contractante :
Kirsten Sage

Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

Refer to section 4.4.4 for missing data policy. Sections 4.4.5 and 4.4.6 detail specifications for Volumetric reports. Sections 4.4.7 and 4.4.8 detail specifications for Speed and Class reports. All ATRs will have Volumetric reports produced and only Classifiers require Speed and Class reports. Refer to Appendix A.1 for list of site types.

Item No.	Report Type	Reports (R)	Price Per Report (PPR)	Extended Total(s) (R x PPR)
3.3.1	Bi-monthly (1 per site visit) Volumetric Reports for 31 ATRs ⁵	186	\$	\$
3.3.2	Bi-monthly (1 per site visit) Speed and Class Reports for 16 ATRs	96	\$	\$
3.3.3	Monthly (1 per site visit) Volumetric Reports for 7 ATRs	84	\$	\$
3.3.4	Estimated Monthly Average Daily Traffic Calculation (MADT) report if a Priority Monthly ATR location is not accessible	12	\$	\$
O	Combined Estimated Total Firm Unit Price(s) Reports (excluding applicable tax)			\$

⁵ Of the 38 ATR network, two classifier ATRs are inactive for three reporting periods, the 7 ATRs are reported monthly.

3.4 Firm Unit Price(s) for Required Services – Seasonal Site Activation and Deactivation

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to activation of sites that are used to collect seasonal data must be included in the activation price. Activation charges must include site testing, hardware installation, activation of cellular data plans, and activation of hourly monitoring, reporting and email notification. Charges related to deactivation of sites during off-season periods must be included in the deactivation price. Deactivation charges must include securing site for off-season, hardware removal, deactivation of cellular data plans, and deactivation of hourly monitoring, reporting and email notification. Unless otherwise noted, site activations and deactivations must align with the bi-monthly data retrieval schedule as outlined in section 4.3.5. Site activation occurs in June and deactivation occurs in November. Charges for November Site Visits are accounted for in Table 3.1.

Item No.	ATR ID	Site Location Description	Park	Activation Price (AP)	Deactivation Price (DP)	Extended Total(s) (AP + DP)
3.4.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{6,8}	BNP	\$	\$	\$
3.4.2	11800201	2.2 KM S 1 & LAKE LOUISE DR ⁷	BNP	\$	\$	\$

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Client Ref. No. - N° de réf. du client : n/a Title – Titre : Traffic Monitoring Services – Mountain National Parks

3.4.3	11800302	3.6 KM S 1 & LAKE LOUISE DR ⁶	BNP	\$	\$	\$
P	Combined Estimated Total Firm Unit Price(s) Seasonal Site Activation and Deactivation (excluding applicable tax)					\$

⁶ Site activation/deactivation includes installation/removal of ATR and activation/deactivation of cellular capabilities to supply hourly data over a cellular data network

⁷ Site is active year-round as a physical download site. Only cellular capability activation and deactivation is required to supply hourly data over a cellular data network

⁸ Site 11100002 is inaccessible by contractor for deactivation as road is closed to traffic during off-season. Park staff will remove ATR hardware and deactivate as instructed by contractor. All ATR hardware removed from cabinet will be transferred to contractor in a mutually agreed upon manner.

3.5 Firm Unit Price(s) for As and When Requested Services

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Item No.	Item Description	Quantity (Q)	Unit Price (UP)	Extended Total(s) (Q x UP)
3.5.1	Two loop site installation (see section 4.5)	1	\$	\$
3.5.2	Four loop site installation (see section 4.5)	1	\$	\$
3.5.3	Eight loop site installation (see section 4.5)	1	\$	\$
3.5.4	One Golden River M660 Classifier	1	\$	\$
3.5.5	Upgrade of Golden River M660 Classifier infrastructure to Clearview Intelligence M680 Classifier	2	\$	\$
Q	Combined Estimated Total Firm Unit Price(s) As and When Requested Work (excluding applicable tax)			\$

3.6 Estimated Total Combined Evaluated Option Year Two (2) Price

The total bid evaluated Contract Year price is the sum of Tables M through Q.

R	ESTIMATED TOTAL COMBINED EVALUATED OPTION YEAR TWO (2) PRICE (M + N + O + P + Q) (excluding applicable tax)			\$
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Contracting Authority - Autorité contractante :
Kirsten Sage

Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

4. Option Year Three (3) – April 01, 2023 to March 31, 2024 inclusive

4.1 Firm Unit Price(s) for Required Services – Physical Data Retrieval and Maintenance

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to travelling to, operating, and data retrieval from the ATRs must be included in the price per site visit. Do not include charges related to cellular data plans, cellular data retrieval, hourly reporting or email alerts.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
4.1.1	10100300	2.5KM E OF MINNEWANKA	BNP	6	\$	\$
4.1.2	10100500	0.7 KM E OF NORQUA	BNP	6	\$	\$
4.1.3	10107211	TCH WB & WB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
4.1.4	10107251	TCH EB & EB RAMP LK. LOUISE INTERCH.	BNP	6	\$	\$
4.1.5	10107300	0.7 KM W 1 & LAKE LOUISE DR	BNP	6	\$	\$
4.1.6	10200401	4.3 KM N OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$
4.1.7	10201501	2.0 KM N HWY 93 & BOW LAKE RD	BNP	6	\$	\$
4.1.8	10212101	0.3 KM S OF BANFF - JASPER BORDER	BNP	6	\$	\$
4.1.9	10300701	6.1 KM S OF 1 & 93 LAKE LOUISE	BNP	6	\$	\$
4.1.10	10400100	0.6 KM W OF 1 & BOW VAL PARKWAY ³	BNP	6	\$	\$
4.1.11	10400600	4.1 KM E OF JOHNSON CANYON CAMPGROUND	BNP	6	\$	\$
4.1.12	10404701	1.6 KM E OF WHITEHORN RD & BOW VAL PARKWAY	BNP	6	\$	\$
4.1.13	11000071	0.4 KM N 1 & MINNEWANKA RD	BNP	6	\$	\$
4.1.14	11100002	2.1 KM E LAKE LOUISE DR & MORaine LAKE RD ^{1,2}	BNP	3	\$	\$
4.1.15	11300010	0.3 KM N 1 & MT NORQUAY SCENIC DR	BNP	6	\$	\$
4.1.16	11300030	0.3 KM S OF MT NORQUAY SKI AREA PARKING LOT ^{1,2}	BNP	6	\$	\$
4.1.17	11700002	SUNSHINE RD	BNP	6	\$	\$

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n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

4.1.18	11700010	GOLF COURSE RD	BNP	6	\$	\$
4.1.19	11800100	0.1 KM S 1 & LAKE LOUISE DR	BNP	6	\$	\$
4.1.20	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	6	\$	\$
4.1.21	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
4.1.22	12000101	1.2 KM N BOW VAL PARKWAY & WHITEHORN ROAD	BNP	6	\$	\$
4.1.23	14000101	1.2 KM S MOUNTAIN AVE & UPPER HOT SPRINGS RD	BNP	6	\$	\$
4.1.24	30103509	14.0 KM E OF 16 & E JASPER TOWNSITE	JNP	6	\$	\$
4.1.25	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ^{9 10}	JNP	0	\$	\$
4.1.26	30215001	5.4 KM S 16 & 93 JASPER	JNP	6	\$	\$
4.1.27	40309000	3.0 KM N OF SETTLERS RD	KNP	6	\$	\$
4.1.28	40310601	0.3 KM S OF KOOTENAY PARK GATES ^{9 10}	KNP	0	\$	\$
4.1.29	50010040	1.4 KM W OF 1 & 93 CASTLE JUNCTION	BNP	6	\$	\$
4.1.30	50010050	1.6 KM W OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
4.1.31	50010080	0.6 KM E OF FIELD	YNP	6	\$	\$
4.1.32	50010090	0.25 KM W OF FIELD ENTRANCE ^{9 10}	YNP	0	\$	\$
4.1.33	50010450	1.2 KM E OF CASTLE JCT	BNP	6	\$	\$
4.1.34	50100301	3.0 KM W OF 1 & GLACIER PARK BOUNDARY	GNP	6	\$	\$
4.1.35	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ^{9 10}	GNP	0	\$	\$
4.1.36	50110250	2.3 KM E OF BANFF PARK GATES ^{9 10}	BNP	0	\$	\$
4.1.37	50160210	EAST JASPER PARK GATES ^{9 10}	JNP	0	\$	\$
4.1.38	80108501	ALTA-BC BORDER	YNP	6	\$	\$
S	Combined Estimated Total Firm Unit Price(s) Data Retrieval and Maintenance (excluding applicable tax)					\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

³ Site collects extra "Timestamp" data

⁹ Operates as a priority monthly ATR site

¹⁰ Sites are cellular downloaded, but still require maintenance

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Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

4.2 Firm Unit Price(s) for Required Services – Cellular Data Retrieval

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to cellular data plans, cellular data retrieval, processing and updating hourly reports and distribution of email alerts from specific ATRs marked as cellular must be included in the price per site visit.

Item No.	ATR ID	Site Location Description	Park	Site Visits (SV)	Price Per Site Visit (PPSV)	Extended Total(s) (SV x PPSV)
4.2.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{1,2}	BNP	3	\$	\$
4.2.2	11300030	0.3 KM N 1 & MT NORQUAY SCENIC DR ¹	BNP	6	\$	\$
4.2.3	11800201	2.2 KM S 1 & LAKE LOUISE DR ^{1,2,4}	BNP	3	\$	\$
4.2.4	11800302	3.6 KM S 1 & LAKE LOUISE DR ^{1,2}	BNP	3	\$	\$
4.2.5	30107201	19.1 KM W OF 16 & 93 W JASPER TOWNSITE ⁹	JNP	12	\$	\$
4.2.6	40310601	0.3 KM S OF KOOTENAY PARK GATES ⁹	KNP	12	\$	\$
4.2.7	50010050	1.6 KM W OF BANFF PARK GATES ⁹	BNP	12	\$	\$
4.2.8	50010090	0.25 KM W OF FIELD ENTRANCE ⁹	YNP	12	\$	\$
4.2.9	50102407	0.7 KM W OF 1 & ROGERS PASS CENTRE ⁹	GNP	12	\$	\$
4.2.10	50110250	2.3 KM E OF BANFF PARK GATES ⁹	BNP	12	\$	\$
4.2.11	50160210	EAST JASPER PARK GATES ⁹	JNP	12	\$	\$
T		Combined Estimated Total Firm Unit Price(s) Cellular Data Retrieval (excluding applicable tax)				\$

¹ Operates as an hourly cellular retrieval site

² Site operates as a cellular site only between the months of June and November inclusive

⁴ Site operates as a physical download (non-cellular) site between the months of December and May inclusive

⁹ Operates as a priority monthly ATR site

4.3 Firm Unit Price(s) for Required Services – Reports

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

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Contracting Authority - Autorité contractante :
Kirsten Sage

Client Ref. No. - N° de réf. du client :
n/a

Title – Titre :
Traffic Monitoring Services – Mountain National Parks

Refer to section 4.4.4 for missing data policy. Sections 4.4.5 and 4.4.6 detail specifications for Volumetric reports. Sections 4.4.7 and 4.4.8 detail specifications for Speed and Class reports. All ATRs will have Volumetric reports produced and only Classifiers require Speed and Class reports. Refer to Appendix A.1 for list of site types.

Item No.	Report Type	Reports (R)	Price Per Report (PPR)	Extended Total(s) (R x PPR)
4.3.1	Bi-monthly (1 per site visit) Volumetric Reports for 31 ATRs ⁵	186	\$	\$
4.3.2	Bi-monthly (1 per site visit) Speed and Class Reports for 16 ATRs	96	\$	\$
4.3.3	Monthly (1 per site visit) Volumetric Reports for 7 ATRs	84	\$	\$
4.3.4	Estimated Monthly Average Daily Traffic Calculation (MADT) report if a Priority Monthly ATR location is not accessible	12	\$	\$
U	Combined Estimated Total Firm Unit Price(s) Reports (excluding applicable tax)			\$

⁵ Of the 38 ATR network, two classifier ATRs are inactive for three reporting periods, the 7 ATRs are reported monthly.

4.4 Firm Unit Price(s) for Required Services – Seasonal Site Activation and Deactivation

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Charges related to activation of sites that are used to collect seasonal data must be included in the activation price. Activation charges must include site testing, hardware installation, activation of cellular data plans, and activation of hourly monitoring, reporting and email notification. Charges related to deactivation of sites during off-season periods must be included in the deactivation price. Deactivation charges must include securing site for off-season, hardware removal, deactivation of cellular data plans, and deactivation of hourly monitoring, reporting and email notification. Unless otherwise noted, site activations and deactivations must align with the bi-monthly data retrieval schedule as outlined in section 4.3.5. Site activation occurs in June and deactivation occurs in November. Charges for November Site Visits are accounted for in Table 4.1.

Item No.	ATR ID	Site Location Description	Park	Activation Price (AP)	Deactivation Price (DP)	Extended Total(s) (AP + DP)
4.4.1	11100002	2.1 KM E LAKE LOUISE DR & MORAINÉ LAKE RD ^{6,8}	BNP	\$	\$	\$
4.4.2	11800201	2.2 KM S 1 & LAKE LOUISE DR ⁷	BNP	\$	\$	\$

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4.4.3	11800302	3.6 KM S 1 & LAKE LOUISE DR ⁶	BNP	\$	\$	\$
V	Combined Estimated Total Firm Unit Price(s) Seasonal Site Activation and Deactivation (excluding applicable tax)					\$

⁶ Site activation/deactivation includes installation/removal of ATR and activation/deactivation of cellular capabilities to supply hourly data over a cellular data network

⁷ Site is active year-round as a physical download site. Only cellular capability activation and deactivation is required to supply hourly data over a cellular data network

⁸ Site 11100002 is inaccessible by contractor for deactivation as road is closed to traffic during off-season. Park staff will remove ATR hardware and deactivate as instructed by contractor. All ATR hardware removed from cabinet will be transferred to contractor in a mutually agreed upon manner.

4.5 Firm Unit Price(s) for As and When Requested Services

In consideration of the Contractor completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) in Canadian funds for all costs, including but not limited to all professional, technical, and administrative fees and costs as required to fulfill the requirements of *Annex A – Statement of Work* as defined.

Item No.	Item Description	Quantity (Q)	Unit Price (UP)	Extended Total(s) (Q x UP)
4.5.1	Two loop site installation (see section 4.5)	1	\$	\$
4.5.2	Four loop site installation (see section 4.5)	1	\$	\$
4.5.3	Eight loop site installation (see section 4.5)	1	\$	\$
4.5.4	One Golden River M660 Classifier	1	\$	\$
4.5.5	Upgrade of Golden River M660 Classifier infrastructure to Clearview Intelligence M680 Classifier	2	\$	\$
W	Combined Estimated Total Firm Unit Price(s) As and When Requested Work (excluding applicable tax)			\$

4.6 Estimated Total Combined Evaluated Option Year Three (3) Price

The total bid evaluated Contract Year price is the sum of Tables S through W.

X	ESTIMATED TOTAL COMBINED EVALUATED OPTION YEAR THREE (3) PRICE (S + T + U + V + W) (excluding applicable tax)	\$
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5. Estimated Total Combined Evaluated Bid Price

The total bid evaluated bid price is the sum of Tables F, L, R and X.

ESTIMATED TOTAL COMBINED <u>EVALUATED</u> BID PRICE (F + L + R + X) (excluding applicable tax)	\$
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Notes:

- (a) Unidentified costs will not be allowable under the Contract unless there is a change to the work requirements and addressed by a contract amendment issued by the Contracting Authority;
- (b) Additional payment terms and conditions will not apply to the contract; and
- (c) Customs duties are included and Applicable Taxes are extra.

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ANNEX C

ATTESTATION AND PROOF OF COMPLIANCE WITH OCCUPATIONAL HEALTH AND SAFETY (OHS)

The following form must be completed and signed prior to commencing work on Parks Canada Sites.

Submission of this completed form, satisfactory to Parks Canada, is a condition of gaining access to the work place.

Parks Canada recognizes that federal OHS legislation places certain specific responsibilities upon Parks Canada as owner of the work place. In order to meet those responsibilities, Parks Canada is implementing a contractor safety regime that will ensure that roles and responsibilities assigned under Part II of the *Canada Labour Code* and the *Canada Occupational Health and Safety Regulations* are implemented and observed when involving contractor(s) to undertake works in Parks Canada work places.

Parks Canada Responsible Authority/Project Lead	Address	Contact Information
Project Manager/Contracting Authority		
Prime Contractor		
Subcontractor(s) (add additional fields as required)		

Location of Work

General Description of Work to be Completed

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Mark “Yes” where applicable.

	A meeting has been held to discuss hazards and access to the work place and all known and foreseeable hazards have been identified to the contractor and/or subcontractor(s)
	The contractor and/or its subcontractor(s) will comply with all federal and provincial/territorial legislation and Parks Canada's policies and procedures, regarding occupational health and safety.
	The contractor and/or its subcontractor(s) will provide all prescribed safety materials, equipment, devices and clothing.
	The contractor and/or its subcontractor(s) will ensure that its employees are familiar with and use all prescribed safety materials, equipment, devices and clothing at all times.
	The contractor and/or its subcontractor(s) will ensure that its activities do not endanger the health and safety of Parks Canada employees.
	The contractor and/or its subcontractor(s) has inspected the site and has carried out a hazard assessment and has put in place a health and safety plan and informed its employees accordingly, prior to the commencement of the work.
	Where a contractor and/or its subcontractor(s) will be storing, handling or using hazardous substances in the work place, it will place warning signs at access points warning persons of the presence of the substances and any precautions to be taken to prevent or reduce any hazard of injury or death.
	The contractor and/or its subcontractor(s) will ensure that its employees are instructed in respect of any emergency procedures applicable to the site.

I, _____ (contractor), certify that I have read, understood and attest that my firm, employees and all sub-contractors will comply with the requirements set out in this document and the terms and conditions of the contract.

Name

Signature

Date

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ANNEX D

INSURANCE REQUIREMENTS

1.0 Commercial General Liability Insurance

- 1.1 The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
- 1.2 The Commercial General Liability policy must include the following:
- a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Parks Canada Agency.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.
 - h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - j. Notice of Cancellation: The Contractor will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.
 - k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
-

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- I. Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.

- m. Non-Owned Automobile Liability - Coverage for suits against the Contractor resulting from the use of hired or non-owned vehicles.

2.0 Automobile Liability Insurance

- 2.1 The Contractor must obtain Automobile Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence.

- 2.2 The policy must include the following:
 - a. Third Party Liability - \$2,000,000 Minimum Limit per Accident or Occurrence

 - b. Accident Benefits - all jurisdictional statutes

 - c. Uninsured Motorist Protection

 - d. Notice of Cancellation: The Contractor will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.

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ANNEX E to PART 5 OF THE BID SOLICITATION

FORMER PUBLIC SERVANT

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the [Financial Administration Act](#), R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- (a) an individual;
- (b) an individual who has incorporated;
- (c) a partnership made of former public servants; or
- (d) a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension?	Yes () No ()
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If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- (a) name of former public servant;
- (b) date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

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Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive?	Yes () No ()
---	-----------------------

If so, the Bidder must provide the following information:

- (a) name of former public servant;
- (b) conditions of the lump sum payment incentive;
- (c) date of termination of employment;
- (d) amount of lump sum payment;
- (e) rate of pay on which lump sum payment is based;
- (f) period of lump sum payment including start date, end date and number of weeks;
- (g) number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

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ANNEX F to PART 5 OF THE BID SOLICITATION

LIST OF NAMES FOR INTEGRITY VERIFICATION FORM

Requirements

Section 17 of the [Ineligibility and Suspension Policy](#) (the Policy) requires suppliers, regardless of their status under the Policy, to submit a list of names when participating in a procurement process. The required list differs depending on the bidder or offeror's organizational structure:

- Suppliers including those bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all current directors.
- Privately owned corporations must provide a list of the owners' names.
- Suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all owners.
- Suppliers that are a partnership do not need to provide a list of names.

Suppliers may use this form to provide the required list of names with their bid or offer submission. Failure to submit this information with a bid or offer, where required, will render a bid or offer non-responsive, or the supplier otherwise disqualified for award of a contract or real property agreement. Please refer to [Information Bulletin: Required information to submit a bid or offer](#) for additional details.

Supplier Information

Supplier's Legal Name:		
Organizational Structure: () Corporate Entity () Privately Owned Corporation () Sole Proprietor () Partnership		
Supplier's Legal Address:		
City:	Province / Territory:	Postal Code / ZIP Code:
Supplier's Procurement Business Number (optional):		

List of Names

Name	Title

