

Request for Proposals: Supply of Up to 2 Quint Aerial Fire Apparatus



SQUAMISH - LILLOOET
REGIONAL DISTRICT

Issue date: Friday May 27, 2022

Closing Date: 4:00 PM, Tuesday September 6,
2022 (EXTENDED from June 27)

Contact: Michael Fusca, Emergency Program
Coordinator

Request for Proposals: Supply of Up to 2 Quint Aerial Fire Apparatus

Issue date: Friday, May 27, 2022
Closing Time and Date: 4:00 PM on Tuesday, September 6th, 2022 (EXTENDED from June 27th)

QUERIES

Queries and requests for clarification related to this Request for Proposals (“RFP”) are to be submitted, in writing, to the following contact person (the “Contact Person”).

Michael Fusca, Emergency Program Coordinator, Squamish-Lillooet Regional District
Box 219, Pemberton, BC, V0N 2L0
E-mail: mfusca@slrd.bc.ca

The Squamish-Lillooet Regional District (“Regional District”) will determine, at its sole discretion, whether the query requires response and such responses will be made available to all by issue of addenda posted on the Regional District’s website (www.slrd.bc.ca/). No verbal conversation will affect or modify the terms of this RFP.

PROPOSERS’ MEETING:

A proposers meeting will not be held.

The Request for Proposals consists of the following:

- This Page;
- Section 1 Administrative Requirements;
- Section 2 Instructions to Proposers;
- Section 3 Project Details; and
- Section 5 Schedules.

PROPOSER SECTION:

(A person authorized to sign on behalf of the Proposer **must** complete and sign below and submit this page as part of the Proposal)

- **The accompanying Proposal is submitted in response to the above-referenced Request for Proposals, including any addenda.**
- **Through submission of the Proposal, the Proposer agrees to the terms and conditions of the Request for Proposals and agrees that any inconsistent provisions in the Proposal will be as if not written and do not exist.**
- **The Proposer has carefully read and examined the Request for Proposals (including the Administrative Requirements) and has conducted such other investigations as were prudent and reasonable in preparing the Proposal.**
- **The Proposer agrees to be bound by statements and representations made in Proposal.**

Legal Name of Proposer (include “Doing Business As” name, if applicable): _____

Address of Proposer: _____

Phone Number/Fax Number/Email Address of Proposer: _____

Signature of Authorized Representative: _____

Printed Authorized Representative’s Name and Title (i.e. President, Director, etc.): _____

1. Administrative Requirements

A. Definitions

Throughout this RFP, the following definitions apply:

“Contract” means the written agreement resulting from this RFP executed by the SLRD and the Contractor;

“Contractor” means the successful Proponent to this RFP who enters into a written Contract with SLRD;

“must”, or “mandatory” means a requirement that must be met in order for a Proposal to receive consideration;

“Proponent” means an individual or company that submits (or intends to submit) a Proposal;

“Proposal” means the document submitted by the Proponent;

“SLRD” means the Squamish-Lillooet Regional District;

“RFP” means the process described in this document;

“should” or “desirable” means a requirement having a significant degree of importance to the RFP.

B. Terms and Conditions

The following terms and conditions will apply to this RFP. Submission of a Proposal in response to this RFP indicates acceptance of all the terms herein and that are included in any addenda issued by the SLRD. Provisions in Proposals that contradict any of the terms of this RFP will be as if not written and do not exist.

C. Acknowledgment Form

The Proponent is advised to complete and return the Acknowledgment Form attached hereto as Schedule A. This form may be delivered by fax or email and will facilitate the further receipt by the Proponent of any addenda to the RFP.

D. Addenda

Whether or not the Proponent has returned the Acknowledgment Form, the Proponent is required to regularly check the SLRD’s website for any updated information and addenda issued before the closing date. If there is any discrepancy in the RFP documentation, the SLRD’s original file will prevail.

E. Late Proposals

A Proposal will be marked with its receipt time at the closing location. Only a Proposal received and marked before the closing time will be considered to have been received on time. A Proposal received after the closing time may not be considered. In the event of a dispute, the receipt time of the Proposal is as recorded by the SLRD at the closing location will prevail. The Proponent is advised to verify prior to the closing time that the SLRD has received the Proposal.

F. Eligibility

A Proposal may not be evaluated if the Proponent’s current or past corporate or other interests may, in the SLRD’s opinion, give rise to a conflict of interest in connection with the project described in this RFP. If a Proponent is in doubt as to whether there might be a conflict of interest, the Proponent is advised to consult with the Contact Person prior to submitting a Proposal.

G. Evaluation

The evaluation of the Proposal will be by staff of the SLRD but may include consultants/contractors of the SLRD. The SLRD’s intent is to enter into a Contract with

the Proponent who has been evaluated as having the most desirable proposal.

The SLRD may, at its discretion, request clarifications or additional information from Proponents with respect to any Proposals, make such requests to only selected Proponents, and consider such clarifications or additional information in evaluating the Proposals.

H. Negotiation/Negotiation Delay

The SLRD reserves the right, prior to awarding the Contract, to negotiate changes to the scope of work (including pricing to meet budget) with the successful Proponent without advising any other Proponent or allowing any other Proponent to vary their Proposal as a result of the changes to the scope of work or to the contract documents and the SLRD may enter into a changed or different contract with the successful Proponent without liability to Proponents who were not awarded the Contract.

If a Contract cannot be negotiated within 14 days of notification of the successful Proponent, the SLRD may, at its sole discretion at any time thereafter, terminate negotiations with such Proponent and either negotiate a Contract with the next qualified Proponent, reissue the RFP, or terminate the RFP process and not enter into a Contract with any of the Proponents.

I. Request for Debriefing

Unsuccessful Proponents may request a debriefing with the SLRD, which may, at the SLRD’s option, be conducted via telephone or email. However, the SLRD will not provide information regarding the other Proposals.

J. Alternative Solutions

If alternative solutions are to be offered, the Proponent should consult with the Contact Person prior to submitting the Proposal.

K. Changes to Proposals

By submission of a clear and detailed written notice, the Proponent may amend or withdraw its Proposal prior to the closing date and time. Upon closing time, all Proposals become final. The Proponent will not change the wording of the Proposal after closing and no words or comments will be added to the Proposal unless requested by the SLRD for purposes of clarification.

L. Proponents’ Expenses

The Proponent is solely responsible for its own expenses in preparing the Proposal and in subsequent negotiations with the SLRD, if any. Regardless of whether or not the SLRD elects to reject all Proposals, the SLRD will not be liable to any Proponent for any claims, whether for costs or damages incurred by the Proponent in preparing the Proposal, loss of anticipated profit in connection with any final Contract, or any other cause of action whatsoever.

M. Limitation of Damages

Further to the preceding paragraph, the Proponent, by submitting a Proposal, agrees that it has no cause of action, for any reason whatsoever, relating to the Contract or in respect of the competitive process, in excess of an amount equivalent to the reasonable costs incurred by the Proponent in preparing the Proposal and the Proponent, by submitting a Proposal, waives any claim for loss of profits if no Contract is made with the Proponent.

- N. Proposal Validity**
Proposals will be open for acceptance for at least 90 days after the closing time. The accuracy and completeness of the Proposal shall be the sole responsibility of the Proponent and any errors or omissions shall be corrected at the Proponent's expense.
- O. Firm Pricing**
Prices will be firm for the entire Contract period unless this RFP specifically states otherwise.
- P. Currency and Taxes**
Prices quoted are to be:
- in Canadian dollars;
 - inclusive of all fees;
 - exclusive of disbursements, for which a detailed estimate shall be provided by the Proponent; and
 - inclusive of all applicable taxes, broken out.
- Q. Completeness of Proposal**
By submitting the Proposal, the Proponent warrants that, if this RFP is to design, create or provide a system or manage a program, all components required to run the system or manage the program have been identified in the Proposal or will be provided by the Contractor at no charge.
- R. Subcontracting**
The use of a subcontractor(s) (who should be identified in the Proposal) may be acceptable. This includes a joint submission by two Proponents having no formal corporate links. However, in this case, one of these Proponents must be prepared to take overall responsibility for successful performance of the Contract and this should be defined in the Proposal.
- However, a proposed subcontractor whose current or past corporate or other interests may, in the SLRD's opinion, give rise to a conflict of interest in connection with the subject-matter of the RFP may not be acceptable. This includes, but is not limited to, a subcontractor involved in the preparation of this RFP. If a Proponent is in doubt as to whether a proposed subcontractor may give rise to a conflict of interest, the Proponent should consult with the Contact Person prior to submitting a Proposal.
- Where applicable, the names of approved sub-contractors listed in the Proposal will be included in the Contract. The addition of new subcontractors, or any other changes to the subcontractor list, as set out in the Contract will not be allowed without the written consent of the Regional District.
- S. Acceptance of Proposals**
This RFP is not an agreement to purchase goods or services. The SLRD is not bound to enter into a Contract with the Proponent who submits the lowest priced Proposal or with any Proponent. The SLRD will assess Proposals in light of the evaluation criteria. The SLRD is under no obligation to receive further information, whether written or oral, from any Proponent.
- Neither acceptance of the Proposal nor execution of a Contract will constitute approval of any activity or development contemplated in any Proposal that requires any approval, permit or license pursuant to any federal, provincial, regional district or municipal statute, regulation or by-law.
- T. Definition of Contract**
Notice in writing to a Proponent that it has been identified as the successful Proponent and the subsequent full execution of a written Contract will constitute a Contract for the goods or services, and no Proponent will acquire any legal or equitable rights or privileges relative to the goods or services until the occurrence of both such events.
- U. Contract**
By submitting a Proposal, the Proponent agrees that should its Proposal be successful the Proponent will enter into a Contract with the SLRD in substantially the terms set out in Schedule C.
- V. Liability for Errors**
While the SLRD has used considerable efforts to ensure information in this RFP is accurate, the information contained in this RFP is supplied solely as a guideline for the Proponents. The information is not guaranteed or warranted to be accurate by the SLRD, nor is it necessarily comprehensive or exhaustive. Nothing in this RFP is intended to relieve the Proponents from forming their own opinions and conclusions with respect to the matters addressed in this RFP.
- W. Modification of Terms**
The SLRD reserves the right to modify the terms of this RFP at any time in its sole discretion. This includes the right to cancel this RFP at any time prior to entering into a Contract with the successful Proponent.
- X. Ownership of Proposals**
All Proposals submitted to the SLRD become the property of the SLRD. They will be received and held in confidence by the SLRD, subject to the provisions of this RFP and the *Freedom of Information and Protection of Privacy Act*.
- Y. Use of Request for Proposals**
Any portion of this document, or any information supplied by the SLRD in relation to this RFP may not be used or disclosed, for any purpose other than for the submission of the Proposal. Without limiting the generality of the foregoing by submission of the Proposal, **the Proponent agrees to hold in confidence all information supplied by the SLRD in relation to this RFP.**
- Z. Reciprocity**
The SLRD may consider and evaluate a Proposal from other jurisdictions on the same basis that the government purchasing authorities in those jurisdictions would treat a similar Proposal from a British Columbia supplier.
- AA. No Lobbying or Solicitation**
The Proponent must not attempt to communicate directly or indirectly with any employee, contractor or representative of the SLRD, including the members of the evaluation team and any elected officials of the SLRD, or with members of the public or the media, about the project described in this RFP or otherwise in respect of the RFP, other than as expressly directed or permitted by the SLRD herein or otherwise.
- BB. Collection & Use of Personal Information**
The Proponent is solely responsible for familiarizing itself and for ensuring that it complies, with the laws applicable to the collection and dissemination of information, including resumes and other personal information concerning employees and employees of any subcontractors. If this RFP requires the Proponent to provide the SLRD with personal information of employees or subcontractors who have been included as resources in response to this RFP, the Proponent will ensure that it has obtained written consent from each of those persons before forwarding such personal information to the SLRD. Such written consents are to specify that the personal information may be forwarded to the SLRD for the purposes of responding to this RFP and use by the SLRD for the purposes set out in the RFP. The SLRD may, at any time, request the original consents or copies of the original consents from the Proponent, and upon such request being made, the Proponent will immediately supply such originals or copies to the SLRD.

2. INSTRUCTIONS TO PROPONENTS

A. DESCRIPTION OF SERVICES

The Squamish Lillooet Regional District (SLRD) invites Proponents from qualified fire apparatus manufacturers to supply and deliver up to two Quint Aerial Fire Apparatus for the Britannia Beach Volunteer Fire Department (BBVFD) that meet or exceed the minimum specifications listed in Schedule B. It is the intent of the Specifications in Schedule B to secure up to two apparatus built to withstand the severe and continuous use encountered in emergency firefighting and rescue service. The specifications as written represent the minimum acceptable standard, any exceptions taken or alternatives proposed must meet or exceed this standard in order to be considered. The SLRD would consider new and/or demonstrator unit(s) and reserves the right to order zero, one or two Quint Aerial Fire Apparatus.

B. DELIVERY SCHEDULE AND DELIVERY OF PRODUCT

Unless otherwise agreed, the vehicle will be delivered complete and road trim ready. Upon completion of the vehicle, the successful Proponent shall deliver the complete product(s) to the SLRD's Britannia Beach Volunteer Fire Department, 360 Copper Drive, Britannia Beach, BC.

C. RFP DOCUMENTS

The RFP document package is available:

For downloading in Portable Document Format (PDF) at:

- the Regional District website at www.slrd.bc.ca/inside-slrd/contracting-opportunities; and
- www.bcbid.gov.bc.ca by browsing for opportunities by organizations and selecting Squamish–Lillooet Regional District.

D. QUERIES

Queries and requests for clarification related to this RFP are to be submitted, in writing (via email only), to the Contact Person:

Michael Fusca, Emergency Program Coordinator
Squamish-Lillooet Regional District
E-mail: mfusca@slrd.bc.ca

The SLRD will determine, at its sole discretion, whether queries require responses and such responses will be made available to all by issue of addenda posted on the SLRD's website (www.slrd.bc.ca) and BC Bid. No verbal conversation will affect or modify the terms of this RFP.

E. CLOSING DATE AND TIME AND PROPOSAL OPENING

Proposals must be received by the SLRD in electronic form on or before 4:00 PM local time on Monday, June 27, 2022. Late proposals will not be accepted nor will proposals submitted in paper form.

Proposals will not be opened in public.

F. PROPOSAL FORMAT

The SLRD requests that the following format and sequence be followed in order to provide consistency in considering proposals.

- Title Page, including RFP title, Proponent’s name, address, phone number, email address, name of representative and form of business organization (sole proprietorship, partnership, corporation, corporation number etc.);
- Proponent’s section (see Page 2 of this document) *as filled out, signed and dated by the Proponent*;
- Letter of Introduction (1 page), identifying the Proponent, the key contacts and their contact information, previous experience in similar projects and contact information for references;
- The body of the proposal, including a completed Payment Schedule; and
 - Schedule B – Specifications for Supply of Quint Aerial Fire Apparatus

G. SUBMISSION OF PROPOSALS

Proposals must be submitted to the SLRD in electronic form via email to smorgan@slrd.bc.ca. Paper documentation will not be accepted. Submissions must be less than 15 MB. Any submission greater than 15 MB must be separated into 2 emails.

H. EVALUATION CRITERIA

Proponents must meet or exceed mandatory requirements and must demonstrate in their proposal that they have a clear understanding of the RFP requirements. Proponents need to articulate their proposals intentions and expectations indicating how they will fulfil the requirements set out in Schedule B and what they will provide in order to meet the objectives of this project. The criteria for evaluation of the Proposals may include, but is not limited to:

Criteria	Weight	Weight Key				Raw Score	Weighted Score
		Not Satisfied Score = 0	Somewhat Satisfied Score = 1	Satisfied Score = 2	Very Satisfied Score = 3		

1. Price – based on best value to SLRD & Britannia Beach Volunteer Fire Department	30%						
2. Delivery Time	20%						
3. Ability to meet specifications and workmanship	40%						
4. Training, warranty, service, repair, maintenance & availability of parts	10%						
Totals	100%						

The evaluation team will apply the following additional criteria to the proposals evaluation process:

- (1) Price shall mean quoted prices from qualifying proposals.
- (2) Delivery Date shall mean:
 - The specified delivery date of a finished minimum 70' Aerial Fire Apparatus (Quint) from the confirmed date ordered.
 - Delivery date will be weight based on a monthly basis.
- (3) Ability to meet specifications and workmanship shall mean:
 - The direct experience the SLRD's Britannia Beach Volunteer Fire Department has had with a Dealer/Manufacturer if applicable.
 - Referenced by other municipalities on their experience with a Dealer/Manufacturer. A minimum of three (3) references will be required.
 - Meeting and/or exceeding minimum specifications and options.
- (4) Training, warranty, service, repair, maintenance and availability of parts shall refer to:
 - Parts, Service, Warranty work – readily available within BC, Canada, USA, or other.
 - Is technical support readily available during regular business hours, either by phone, email or internet?
 - Provision and delivery of hands-on training, hours, materials.
 - Consideration of types and length of warranty.

The evaluation criteria will be used to determine the best overall value to the SLRD and may be applied on a comparative basis vis-à-vis each proposal.

3. PROJECT DETAILS

A. OVERVIEW

The SLRD is requesting proposals from suitably qualified fire apparatus manufacturers to supply and deliver up to two Quint Aerial Fire Apparatus for the Britannia Beach Volunteer Fire Department (BBVFD) that meet or exceed the minimum specifications listed in Schedule B.

The SLRD is replacing an existing BBVFD Quint Aerial Fire Apparatus and time is of the essence to replace this asset.

Further, due to development in the Howe Sound East Fire Service Area, the SLRD has initiated a change management process for the expansion of the existing fire department, including the purchase of an additional Quint Aerial Fire Apparatus (confirmation of funding, purchase and timing is still to be determined), to support the expanded service demands on the fire department if additional development is confirmed to proceed.

B. SCOPE OF WORK AND CONTRACTOR DELIVERABLES

PERFORMANCE CRITERIA: Vehicle and all equipment furnished under this contract must operate to the complete satisfaction of the SLRD and BBVFD for 30 days in order for the final acceptance to be executed.

EQUIPMENT DESCRIPTION: Proponents must indicate whether their proposal meets the specifications requested or note variance to what is supplied. Full details of any suggested alternative specifications must be provided as part of Schedule B.

The specifications as written in Schedule B present the minimum desired specifications, any exceptions taken, or alternatives offered must meet or exceed these specifications in order to be given consideration.

4. SCHEDULES

SCHEDULE "A": Acknowledgment Letter

SCHEDULE "B": Specifications for the Supply of Quint Aerial Fire Apparatus

SCHEDULE “A” – ACKNOWLEDGEMENT LETTER

[The undersigned will be sent any amendments or addenda in respect of the Request for Proposals: Supply of Up to 2 Quint Aerial Fire Apparatus].

We presently intend to provide a Proposal in respect of the Request for Proposals: Supply of Up to 2 Quint Aerial Fire Apparatus.

Signature

Company Name

Name (please print)

Address

Title

City

Phone Number

Mobile Phone Number

Date

E-Mail Address

Return immediately to:
Michael Fusca, Emergency Program Coordinator
Squamish-Lillooet Regional District
mfusca@slrd.bc.ca

SCHEDULE “B” - SPECIFICATIONS FOR THE SUPPLY OF UP TO 2 QUINT AERIAL FIRE APPARATUS

Proponents must respond by writing in to each items listed below whether the proposal meets or does not meet the requested requirement or an equal substitute is being offered. Alternative or substitutes may be offered only after and in addition to the specification noted. All alternatives must be fully supported by documentation that in the sole opinion of the SLRD is equal to or better than what is requested.

Attaching a separate sheet with alternatives is acceptable if the space provided is insufficient. All alternatives on a separate sheet shall reference the applicable item number below to which they relate.

1. GENERAL

Description	Yes	No	Alternative if applicable
1.1 The apparatus shall meet all requirements of NFPA 1901 Standard for Automotive Fire Apparatus (Latest Edition) for “Quint Fire Apparatus” unless otherwise advised by the BBVFD. Note: Any discrepancy between the NFPA and CAN/ULC standards shall be noted.	<input type="checkbox"/>	<input type="checkbox"/>	
1.2 The apparatus shall meet all requirements of CAN/ULC-S515 (Latest Edition) Automobile Firefighting Apparatus. Note: Any discrepancy between the NFPA and CAN/ULC standards shall be noted.	<input type="checkbox"/>	<input type="checkbox"/>	
1.3 The apparatus shall be constructed with due consideration to the nature and distribution of the load to be sustained and to the general character of service to which the apparatus is to be subjected when placed in service.	<input type="checkbox"/>	<input type="checkbox"/>	
1.4 All parts of the apparatus shall be strong enough to withstand the general service under full load.	<input type="checkbox"/>	<input type="checkbox"/>	
1.5 The apparatus shall be of the latest model year and comply with all applicable motor vehicle laws and regulations in effect in the province of	<input type="checkbox"/>	<input type="checkbox"/>	

<p>British Columbia at the date of contract for purchase including weight distribution (independent tire loading must be less than 100kg/cm of the tire width as per BC Motor Vehicle Act Regulations) with a full load of equipment, water and personnel. Fully loaded the apparatus must weigh in at a minimum of 10% less than the GVWR.</p>			
<p>1.6 The apparatus shall comply with all requirements of WorkSafe BC (Workers' Compensation Board of British Columbia)</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>1.7 The apparatus shall be a custom chassis type, enclosed cab type equipped with four doors opening to the side. The apparatus shall have a maximum overall height of 156 inches (13') and length of 456 inches (38') including any overhang of aerial ladder. Details of all standard chassis features to be provided as part of the proposal.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>1.8 The Proponent shall provide manufacturer's drawings of the apparatus showing the principle dimensions, heights, of various components of the chassis and complete apparatus. (2 copies)</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>1.9 The apparatus shall be designed for a maximum road speed of 120km/h. Truck shall be governed to 110km/h</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>1.10 Welding: All welding shall be high quality and consistent with best practices for aluminum and steel as applicable. Welding shall be by facilities and personnel fully experienced in the welding of aluminum and steel. Written procedures, certification of welding personnel and quality of welding shall be in accordance with recognized standards (eg. AWS or CSA). Weld quality shall be according to the loading</p>	<input type="checkbox"/>	<input type="checkbox"/>	

<p>conditions (static or dynamic) as applicable.)</p> <p>Welding shall not be employed in the assembly of the apparatus in a manner that will prevent the ready removal of any component part for service or repair. All steel and stainless steel welding shall be done to American Welding Society D1.1-83 recommendations for structural steel welding. All aluminum welding shall be done to American Welding Society and ANSI D1.2-83 requirements for structural welding of aluminum.</p>			
<p>1.11 Non-destructive Testing:</p> <p>Steel ladder sections, the turntable, the stabilizers, and the torque box shall have 100% of all welds tested using both magnetic particles method and visual testing method. Aerials that are fabricated of aluminum shall have 100% of all welds tested using dye penetrant method and visual method. All testing shall be performed by certified technicians, which are employees of an independent nationally recognized and certified third party testing company. Welds shall be tested using two (2) separate NDT inspection methods regardless of the material used to construct the aerial device.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>1.12 The vehicle shall be constructed with a single rear axle and have a maximum turning radius of 50', 10 degree approach & departure angles, minimum 12" ground clearance.</p>	<input type="checkbox"/>	<input type="checkbox"/>	

2. CAB, CHASSIS AND VEHICLE COMPONENTS

Description	Yes	No	Alternative if applicable
2.1 Five (5) person custom cab with 10" raised roof.	<input type="checkbox"/>	<input type="checkbox"/>	
2.2 Engine is a minimum of 450 horse power, with two or three stage engine brake (please specify in proposal). Manufacturer to provide a detailed readout of horsepower and torque curves.	<input type="checkbox"/>	<input type="checkbox"/>	
2.3 Transmission sized appropriately for the apparatus engine, weight and long term performance. Preferred transmission is an Allison 3000 EVS series complete with push button control. Option; Transmission retarder	<input type="checkbox"/>	<input type="checkbox"/>	
2.4 The auxiliary cooler or heat exchanger shall run from the pump and not the reverse.	<input type="checkbox"/>	<input type="checkbox"/>	
2.5 Four wheel anti-lock braking system, with traction control and roll stability control. Braking system shall be oversized with automatic slack adjusters, an extra air tank for brakes and an air dryer with heater system. Disc brakes preferred. Front steering axle brakes to be applied with park brake application.	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 Wheels shall be clear-coated polished aluminum. Tires to meet all requirements for apparatus load and handling as well as Province of British Columbia Commercial Motor Vehicle requirements. Apparatus will come equipped with a Tire Pressure Monitoring System. Note: Tires type, sizes and ratings to be listed. Preferred tires are Michelin, Suitable for all weather driving	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Differential is required to be single speed with the ability to lock up manually. The ratio will provide a speed of as close to	<input type="checkbox"/>	<input type="checkbox"/>	

120km/h as possible at maximum engine speed.			
2.8 Frame mounted towing eyes shall be installed for recovery situations, 2 front and 2 rear.	<input type="checkbox"/>	<input type="checkbox"/>	
2.9 Multiplex wiring system with control module mounted right of driver's position and a screen and controls to the left of the officer.	<input type="checkbox"/>	<input type="checkbox"/>	
2.10 Extended front bumper (chrome and checker plate) c/w hose well and watertight metal cover to accommodate one 150' of 1.75 inch hose & nozzle, connected to foam system. The discharge shall be supplied by a valve at the pump panel. The discharge shall be mounted in the base of the hose bed and plumbing shall not hang below the bumper level. Plumbing must include a low point drain. BBVFD to supply hose and nozzle.	<input type="checkbox"/>	<input type="checkbox"/>	
2.11 Block heater to be powered by 120 volt connection located at the drivers step and include auto eject for receptacle.	<input type="checkbox"/>	<input type="checkbox"/>	
2.12 The exterior of the cab shall include a maximum protective chrome or stainless appearance package.	<input type="checkbox"/>	<input type="checkbox"/>	
2.13 Exhaust system tailpipe to be located on the right hand side of apparatus in front of the rear wheels @ 90 degrees. Exhaust end to be compatible with a Nederman/Magna Track magnetic mount exhaust ventilation system. Apparatus to be equipped with Nederman transmitter for operation of automatic exhaust ventilation system.	<input type="checkbox"/>	<input type="checkbox"/>	
2.14 Provide on-board compressor system for top up of air brake reservoirs.	<input type="checkbox"/>	<input type="checkbox"/>	
2.15 Front grill access, or similar, for checking fluids. BBVFD does not want to	<input type="checkbox"/>	<input type="checkbox"/>	

have to raise cab and aerial for standard fluid checks / pre-trip inspections.			
2.16 LED Headlights, marker lights, taillights.	<input type="checkbox"/>	<input type="checkbox"/>	
2.17 A rapid build-up air brake system shall be provided.	<input type="checkbox"/>	<input type="checkbox"/>	
2.18 Cab-tilt mechanism to be operated by electric over hydraulic pump. Hydraulic pump shall have a manual override for backup in the event of electrical failure.	<input type="checkbox"/>	<input type="checkbox"/>	
2.19 On-Spot or Instant chains for rear axle	<input type="checkbox"/>	<input type="checkbox"/>	
2.20 A digital Diesel Exhaust Fluid (DEF) gauge will be located at instrument panel.	<input type="checkbox"/>	<input type="checkbox"/>	
2.21 Minimum six Group 31, Maintenance-free batteries stored in steel battery trays. One set of battery jumper studs with color coded covers. Accessible when the cab is in the normal operating position. (I.E. not tilted).	<input type="checkbox"/>	<input type="checkbox"/>	
2.22 Dual USB charger sockets, minimum 2.1 amp, installed in the cab between the driver's and officer's position. Prefer them closer to the Officer's side of the cab.	<input type="checkbox"/>	<input type="checkbox"/>	
2.23 Manual cable actuated drain valves shall be installed on all reservoirs of the air supply system. The actuation pull cables shall be extended to the outside of the apparatus body to allow the draining of the tanks without having to go under the apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	
2.24 Back up camera system. Safely usable from the drivers position. Option: Officer able to view also.	<input type="checkbox"/>	<input type="checkbox"/>	
2.25 Dash Camera	<input type="checkbox"/>	<input type="checkbox"/>	

3. LOW VOLTAGE ELECTRICAL SYSTEM

Description	Yes	No	Alternative if applicable
3.1 Please indicate detailed proposed optical warning and scene lighting package using the latest generation of LED lighting including make, model, locations and controls Light bar to include alley lights and brow light.	<input type="checkbox"/>	<input type="checkbox"/>	
3.2 An alternator large enough to run all electrical requirements of apparatus at idle, without use of a load management system. Amp report to be included with bid submission.	<input type="checkbox"/>	<input type="checkbox"/>	
3.3 Provide a heavy-duty battery charger/maintainer in cab with a continuous charge rate to provide charging of both the apparatus and accessory batteries designed and installed with protection of all systems	<input type="checkbox"/>	<input type="checkbox"/>	
3.4 Provide charging system for dedicated accessory batteries	<input type="checkbox"/>	<input type="checkbox"/>	
3.5 Provide minimum 1000 watt 12V to 120V inverter to power four 120V outlets inside the cab area. Department to specify location at pre-build.	<input type="checkbox"/>	<input type="checkbox"/>	
3.6 Provide recessed male 120V auto eject receptacle for built in battery charger and make-up air compressor. To be accessed at left exterior of cab.	<input type="checkbox"/>	<input type="checkbox"/>	
3.7 Provide controls for siren and warning equipment accessible from both driver and officer's position. Department to specify location at pre-build	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 Provide one electronic siren, c/w 2 100 watt speakers in front bumper. Department to specify locations at pre-build.	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Provide two air horns, roof mounted or in front bumper, provide label and control from driver and officer's side with	<input type="checkbox"/>	<input type="checkbox"/>	

floor mounted switches or overhead cable pulls.			
3.10 Provide Federal Signal Q2B Siren with brake recessed in front bumper. Provide label and control from driver and officer's side.	<input type="checkbox"/>	<input type="checkbox"/>	
3.11 Compartments, under body, pump panel and other work areas shall be provided with LED lighting.	<input type="checkbox"/>	<input type="checkbox"/>	
3.12 Provide for radio power supply and antenna lead. Department to provide radio to be installed. Department to specify location at time of pre build.	<input type="checkbox"/>	<input type="checkbox"/>	
3.13 Provide for and Install a 12V Hand Held spot light on officer's side. BBVFD to supply and specify location at pre build.	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Provide a 12V outlet, minimum 20 amp, on officer's side. BBVFD to specify location at pre build	<input type="checkbox"/>	<input type="checkbox"/>	
3.15 LED to light upper hose bed for safe operations	<input type="checkbox"/>	<input type="checkbox"/>	
3.16 Provide a LED traffic advisor/traffic control light bar c/w controls located inside the cab near the driver	<input type="checkbox"/>	<input type="checkbox"/>	
3.17 Additional 12V power and ground stud to be provided inside the cab area	<input type="checkbox"/>	<input type="checkbox"/>	
3.18 Extendable post mounted LED work lights LH/RH rear of cab	<input type="checkbox"/>	<input type="checkbox"/>	
3.19 Flush mount LED side scene lighting Mid-way down body on left, right, front and rear. (Minimum 15,000 Lumens) Scene lighting to be controlled separately.	<input type="checkbox"/>	<input type="checkbox"/>	
3.20 6 rechargeable portable lights mounted in crew cab, location to be determined at pre-build. BBVFD to supply.	<input type="checkbox"/>	<input type="checkbox"/>	

<p>3.21 A red door ajar light and buzzer shall be mounted in the cab. The light shall be in clear view of the driver. The light shall come on with the buzzer when any compartment door is open and the park brake is disabled. The system shall be disabled when the park brake is applied.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
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4. DRIVING AND CREW AREA

Description	Yes	No	Alternative if applicable
4.1 Provide electric, intermittent windshield wipers	<input type="checkbox"/>	<input type="checkbox"/>	
4.2 Steering column shall tilt and telescope	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 All seats shall be grey rugged vinyl upholstery.	<input type="checkbox"/>	<input type="checkbox"/>	
4.4 Driver seat shall be air ride type with easily accessible adjustment by driver.	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 All seats (except drivers) shall be equipped to accommodate 1 Scott 60 minute X3 PRO SCBA with positive mounting and optional mask pouch.	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Windows in cab doors shall be electrically operated and fully opening. Drivers and Officers controls shall be located in the dash instead of doors for protection and ease of maintenance. Rear controls to be accessible to rear passengers..	<input type="checkbox"/>	<input type="checkbox"/>	
4.7 Windshield and all window glass shall be tinted, shatter proof safety glass	<input type="checkbox"/>	<input type="checkbox"/>	
4.8 The cab shall include an extreme insulation package to reduce noise and vibration.	<input type="checkbox"/>	<input type="checkbox"/>	
4.9 Heat and air conditioning to be provided to ensure both front and rear seating areas are kept at an acceptable temperature during all seasons.	<input type="checkbox"/>	<input type="checkbox"/>	
4.10 Left and right side rear-view mirrors shall be electrically controlled and heated with an additional convex mirror on both sides. Controls to be located directly adjacent to, and easily manipulated from, the driver's position.	<input type="checkbox"/>	<input type="checkbox"/>	
4.11 Wireless communication head-sets/hearing protection shall be provided for all seating locations.	<input type="checkbox"/>	<input type="checkbox"/>	
4.12 Map box 30 degree slant to be mounted between driver and officer.	<input type="checkbox"/>	<input type="checkbox"/>	

<p>4.13 The manufacturer shall supply and install a Mobile CAD computer stand/docking station within easy reach of the front passenger seat.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>4.14 Interior cabinet to be provided to store First Responder equipment, Pre-Fire Plan binders, portable radios in a secure location to be determined at pre-build.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>4.15 Door activated dome ceiling lights. Forward LH/RH, rear LH/RH and rear center. White light shall activate with respective door opening and with a switch on the light. Red shall activate with a switch on the light.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>4.16 Optional: Helmet holders mounted in cab.</p>	<input type="checkbox"/>	<input type="checkbox"/>	

5. BODY AND COMPARTMENTS

Description	Yes	No	Alternative if applicable
5.1 Body material must be aluminum or stainless steel. Indicate thickness and construction type	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 All body surfaces shall be designed to prevent corrosion	<input type="checkbox"/>	<input type="checkbox"/>	
5.3 The complete truck except for roll up doors and checker plate shall be painted red. 5.4 Note: Colour as per existing BBVFD Engine 1 apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	
5.5 Complete graphics and lettering package. Unit id# lettering and locations shall be determined at pre-build 5.6 Note: Configuration as per existing BBVFD Engine 1 apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	
5.7 Reflective warning stripe shall meet NFPA and include black pin striping below and above. Department to specify location and size at pre build	<input type="checkbox"/>	<input type="checkbox"/>	
5.8 The entire rear portion of the body shall have a 3M reflective chevron style striping, applied at a 45 degree upward angle pointing towards the center upper portion of the rear panel.	<input type="checkbox"/>	<input type="checkbox"/>	
5.9 Compartment configuration shall be as deep as possible, side rescue configuration. The bottom of all compartments shall be above the bottom of the door edge.	<input type="checkbox"/>	<input type="checkbox"/>	
5.10 There shall be steps from both sides of the rear compartment to gain access to the hose bed c/w grab rails	<input type="checkbox"/>	<input type="checkbox"/>	
5.11 There shall be a grab handle installed on the upper hose bed side to assist with access to the top of the hose bed.	<input type="checkbox"/>	<input type="checkbox"/>	
5.12 All flip up step surfaces shall be covered with bright finished aluminum alloy diamond mill finish tread plate with corrosion resistance.	<input type="checkbox"/>	<input type="checkbox"/>	

5.13 Compartment doors shall be the roll-up type. Options may be accepted where practicable and justified for space savings or other relevant reason.	<input type="checkbox"/>	<input type="checkbox"/>	
5.14 A drip cap over compartments must be provided.	<input type="checkbox"/>	<input type="checkbox"/>	
5.15 Flip up steps for access to hose bed from pump panel RH & LH.	<input type="checkbox"/>	<input type="checkbox"/>	
5.16 All horizontal surfaces within the compartment shall have raised plastic tile systems installed	<input type="checkbox"/>	<input type="checkbox"/>	
5.17 Compartment lighting shall be inward facing, LED strip system.	<input type="checkbox"/>	<input type="checkbox"/>	
5.18 One (1) pre-connect hose speed-lay capable of holding 200 feet of 2.5 inch diameter double jacket hose and nozzle. Two (2) pre-connect hose speed-lay's capable of holding 200 feet of 1.75" diameter double jacket hose and nozzle. Include swivel connection to allow deployment from either side of apparatus. 1.75" pre-connect lines to be plumbed into foam system. Hose and nozzles to be provided by the BBVFD.	<input type="checkbox"/>	<input type="checkbox"/>	
5.19 Hose bed configuration should include storage to accommodate the following hose; 1000ft of 5 inch high volume supply line with Storz couplings and 600ft of 2.5 inch hose; and 600ft of 1.75 inch hose line. (If unable to accommodate requested hose amount, please indicate maximum amounts) Hoses will be supplied by the BBVFD. All hose bed grating shall be equipped with drain holes. Prefer easy load style to improve ergonomics.	<input type="checkbox"/>	<input type="checkbox"/>	
5.20 Ground ladder storage accessed from the rear including storage for 1 x 6' and 2 x 10' pike poles. All to be supplied with the apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	

5.21	Ground ladder storage will accommodate a 10' attic, 14' or 16' roof, 24' & 35' extension ladders and one combination ladder. All to be supplied with the apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	
5.22	Design characteristics shall allow for the following weights of equipment and personnel without being overweight; 6 Firefighters (300lbs per), full fluid levels including water tank, 400lbs per compartment and full hose beds as designed for this proposal.	<input type="checkbox"/>	<input type="checkbox"/>	
5.23	Adjustable shelving and mounting systems to be provided. One adjustable shelf per cabinet. Mounting to be determined prior to delivery.	<input type="checkbox"/>	<input type="checkbox"/>	
5.24	Storage locations for spare SBCA cylinders (minimum of 5 - 60 minute 4500psi Scott cylinders) in wheel wells if possible or shall be located on the right side of the apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	
5.25	A storage compartment for a Honda EU 3000 Generator on a roll-out tray shall be supplied in a location to be determined at pre-build. Include mounting hardware to secure generator and any wiring required to support on-board electrical components/systems BBVFD to supply generator.	<input type="checkbox"/>	<input type="checkbox"/>	
5.26	Interior of all storage compartments to be painted yellow.	<input type="checkbox"/>	<input type="checkbox"/>	
5.27	Hose bed covers	<input type="checkbox"/>	<input type="checkbox"/>	
5.28	Extinguisher mounting brackets for 1 x 20lb dry chemical ABC (80-BC), 1 2.5 gal pressurized water. Extinguishers to be supplied by the BBVFD.	<input type="checkbox"/>	<input type="checkbox"/>	
5.29	Four slide out trays (500lbs), one in the bottom of each corner cabinet.	<input type="checkbox"/>	<input type="checkbox"/>	
5.30	Rub rails shall be installed to protect the body from damage.	<input type="checkbox"/>	<input type="checkbox"/>	

5.31 Full width aluminum wheel well liners shall be provided to keep water and road salt away from the body.	<input type="checkbox"/>	<input type="checkbox"/>	
5.32 Two (2) NFPA compliant quint-type wheel chocks to be mounted under or within the left side of body. Outrigger pads (1 per outrigger) mounted on/under body.	<input type="checkbox"/>	<input type="checkbox"/>	
5.33 Two (2) Fire Axes to be supplied and installed in an easily accessible location.	<input type="checkbox"/>	<input type="checkbox"/>	

6. FIRE PUMP AND ASSOCIATED EQUIPMENT

Description	Yes	No	Alternative if applicable
6.1 The pump shall be mid-mounted / controlled and single stage having a minimum rating of 1500 IGPM / 1750 USGPM.	<input type="checkbox"/>	<input type="checkbox"/>	
6.2 A gauge cluster package shall be provided for information to the pump operator about engine and pump characteristics Preference for Class 1 gauges.	<input type="checkbox"/>	<input type="checkbox"/>	
6.3 One 4" rear aerial intake/discharge c/w electric valve and 30 degree downturn Stortz fitting.	<input type="checkbox"/>	<input type="checkbox"/>	
6.4 All discharges and intakes will have cable or chain complete with a cap. 2.5 to 1.5 chrome adapter with cap on all discharges.	<input type="checkbox"/>	<input type="checkbox"/>	
6.5 All valves will be color coded to match discharge and inlet labels. Preference for Akron valves.	<input type="checkbox"/>	<input type="checkbox"/>	
6.6 A electric pump primer of the oil-less type with push/pull control shall be installed	<input type="checkbox"/>	<input type="checkbox"/>	
6.7 All plumbing will be stainless steel with anodes installed. <i>Galvanized option will be considered.</i>	<input type="checkbox"/>	<input type="checkbox"/>	
6.8 Pressure governor system. Preference for Class 1	<input type="checkbox"/>	<input type="checkbox"/>	
6.9 A heat exchanger and pump cooler bypass shall be provided	<input type="checkbox"/>	<input type="checkbox"/>	
6.10 A relief valve shall be provided for all intakes	<input type="checkbox"/>	<input type="checkbox"/>	
6.11 All finished threads to be used to connect to shall be compatible with common British Columbia fire service threads as used by the BBVFD.	<input type="checkbox"/>	<input type="checkbox"/>	

<p>6.12 All intakes will have a screen and designed to have minimum friction loss. Configured in the following pattern; (1) Left side 6.0"</p> <p>(1) Left side 2.5"</p> <p>(1) Right side 6.0"</p> <p>(1) Right side 2.5"</p> <p>(1) Rear side 4" Oversized plumbing Valves larger than 2.5" will be electrically controlled from the pump panel and with a manual backup located at each valve. Master intake valves with 6" threaded fittings to be provided and connected to both the right and left side 6.0" intakes.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>6.13 All discharges will have a quarter turn drain valve and be configured in the following pattern. Each discharge will include a manually controlled lever style valve at the pump operator' position and a 30 degree elbow.</p> <p>(2) Left side 2.5"</p> <p>(2) Right side 2.5"</p> <p>(1) Right side 4.0"</p> <p>(1) Transverse speed-lay pre connect 2.5"</p> <p>(2) Transverse speed-lay pre connect 1.5"</p> <p>(1) Bumper pre connects 1.5"</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>6.14 All discharges to include pressure gauges in proximity to their control location.</p> <p>Option: Include flow indicators.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>6.15 The apparatus will be ULC Listed and Tested prior to acceptance by the department with a plate attached on the pump house opposite to the operators compartment area</p>	<input type="checkbox"/>	<input type="checkbox"/>	

6.16 Maximum access shall be provided to the pump area from three sides. Prefer inclusion of removable side panels on pump housing for improved access.	<input type="checkbox"/>	<input type="checkbox"/>	
6.17 A tank to pump supply of 4 inch diameter minimum line equipped with a manual tank to pump valve located at the pump panel.	<input type="checkbox"/>	<input type="checkbox"/>	
6.18 Pull out steps to be installed on either side of Pump House Module. All drain valves to be plumbed so as not to drain onto pull out step when stowed.	<input type="checkbox"/>	<input type="checkbox"/>	
6.19 Cold weather package with belly pan and pump house heater	<input type="checkbox"/>	<input type="checkbox"/>	

7. WATER TANK

Description	Yes	No	Alternative if applicable
7.1 Required to be a minimum of 400 IMPG. BBVFD would prefer as close to 500 IMPG as possible considering weight and space requirements. The tank shall have a lifetime warranty and be readily removable from the apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	
7.2 The tank construction shall be at least ½" thick polypropylene construction	<input type="checkbox"/>	<input type="checkbox"/>	
7.3 The tank shall have a removable lid for servicing	<input type="checkbox"/>	<input type="checkbox"/>	
7.4 Require a cap to prevent spillage	<input type="checkbox"/>	<input type="checkbox"/>	
7.5 A water tank gauge shall be provided in the pump operators' area.	<input type="checkbox"/>	<input type="checkbox"/>	
7.6 A tank fill line minimum of 1.5 I.D. shall be provided from the pump to the tank	<input type="checkbox"/>	<input type="checkbox"/>	

8. FOAM SYSTEM

Description	Yes	No	Alternative if applicable
8.1 Direct injection foam system shall be installed for class "A" and "B" foam with selector and flush valves.	<input type="checkbox"/>	<input type="checkbox"/>	
8.2 One foam tank shall be installed with a minimum capacity suitable to the Foam injection system. Manufacturer to indicate size of tank	<input type="checkbox"/>	<input type="checkbox"/>	
8.3 Foam system to be plumbed to speed-lay's 1 x 2.5", 2 x 1.75" and front bumper line 1 x 1.75".	<input type="checkbox"/>	<input type="checkbox"/>	
8.4 A foam tank gauge shall be provided in the pump operators area	<input type="checkbox"/>	<input type="checkbox"/>	
8.5 Foam transfer EZ fill system to refill foam cell.	<input type="checkbox"/>	<input type="checkbox"/>	
8.6 Control valve to bleed foam system to be located at pump panel.	<input type="checkbox"/>	<input type="checkbox"/>	

9. AERIAL DEVICE

Description	Yes	No	Alternative if applicable
9.1 The Aerial Device shall be a rear-mounted aerial ladder, minimum 70' constructed from steel or aluminum.	<input type="checkbox"/>	<input type="checkbox"/>	
9.2 Safety Factor and general operating parameters. A minimum 2.0:1 safety factor as required and defined by NFPA 1901 (newest edition) and a tip load capacity of 750 pounds minimum as per ULC-S515 (newest edition).	<input type="checkbox"/>	<input type="checkbox"/>	
9.3 Minimum 70' aerial with tip lifting eyes and advanced aerial controls to include: a. body and cab collision protection system b. auto bedding feature c. soft touch hydraulics d. ability to operate over a short jack setup e. equipped with a load-minder system.	<input type="checkbox"/>	<input type="checkbox"/>	
9.4 Turntable operators position to include sufficient illumination for operating controls at night and for safe mounting and dismounting of the aerial turn table.	<input type="checkbox"/>	<input type="checkbox"/>	
9.5 Fly Section Folding Steps One set of folding steps shall be installed at (near) the tip of the ladder to provide solid footing for personnel while operating the elevated master stream device.	<input type="checkbox"/>	<input type="checkbox"/>	
9.6 Electric turntable butterfly valve	<input type="checkbox"/>	<input type="checkbox"/>	
9.7 2 x LED scene lighting mounted at tip. Preference for FRC Spectra Max-S LED Spot/Flood model SPA100-A28 or equivalent. 120 Volt receptacle mounted at end of fly section.	<input type="checkbox"/>	<input type="checkbox"/>	
9.8 Blue light at ladder tip and blue lighting on aerial rungs.	<input type="checkbox"/>	<input type="checkbox"/>	

9.9 Auto Lube system	<input type="checkbox"/>	<input type="checkbox"/>	
9.10 Axe and pike pole factory supplied and mounted near the tip of ladder.	<input type="checkbox"/>	<input type="checkbox"/>	
9.11 Basket stretcher and short ladder, storage on side of aerial ladder. Stretcher and Short ladder to be factory supplied.	<input type="checkbox"/>	<input type="checkbox"/>	
9.12 Rescue mode for ladder / pinnable waterway. Appropriate interlocks to be supplied.	<input type="checkbox"/>	<input type="checkbox"/>	
9.13 Removable panels around and under turntable for ease of access for maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	
9.14 Access to the aerial turntable is preferred on two sides. One sided access will be considered if the BBVFD sees the benefit outweighs the detriment.	<input type="checkbox"/>	<input type="checkbox"/>	
9.15 Emergency Power Unit (EPU) for retraction/bedding of ladder and with which to raise ladder and cab if/when necessary.	<input type="checkbox"/>	<input type="checkbox"/>	
9.16 2.5" Standpipe connection near ladder tip, just back of monitor, with valve configuration to divert water. Include 2.5 to 1.5 chrome adapter with cap.	<input type="checkbox"/>	<input type="checkbox"/>	
9.17 ladder communication system with positions at pump panel, ladder control station and ladder tip.	<input type="checkbox"/>	<input type="checkbox"/>	
9.18 Extreme cold weather rated hydraulic oil (i.e. Arctic Blue)	<input type="checkbox"/>	<input type="checkbox"/>	
9.19 Four jack system preferred to allow up & downhill setup.	<input type="checkbox"/>	<input type="checkbox"/>	
9.20 Two (2) painted Aerial Sign panels shall be supplied and attached to the sides of the aerial device. The panels shall be painted to match the color of the aerial. Up to 35 letters painted or vinyl with the color specified by the BBVFD at pre-construction	<input type="checkbox"/>	<input type="checkbox"/>	

<p>9.21 Remote control for aerial device and elevated stream.</p> <p>Option: Closed Circuit Camera at tip with monitor at turn-table and/or remote control pack.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
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10. TESTING, CERTIFICATION, TRAINING, MAINTENANCE AND SPECIAL TOOLS

Description	Yes	No	Alternative if applicable
10.1 Special Tools A list of any special tools required is to be supplied with the proposal	<input type="checkbox"/>	<input type="checkbox"/>	
10.2 Face to Face classroom and hands-on instruction provided for Cab & Chassis, Pump, and Aerial Device. List how much time is included.	<input type="checkbox"/>	<input type="checkbox"/>	
10.3 Third Party Certifications	<input type="checkbox"/>	<input type="checkbox"/>	
10.4 ULC Aerial Certification	<input type="checkbox"/>	<input type="checkbox"/>	
10.5 NFPA Aerial Stability Factor & Testing	<input type="checkbox"/>	<input type="checkbox"/>	
10.6 Inspection Certificate NFPA 1901 Compliance	<input type="checkbox"/>	<input type="checkbox"/>	
10.7 Illustrated Aerial Operation and Maintenance Manuals	<input type="checkbox"/>	<input type="checkbox"/>	
10.8 Aerial Device Warranty	<input type="checkbox"/>	<input type="checkbox"/>	
10.9 Aerial Corrosion Protection	<input type="checkbox"/>	<input type="checkbox"/>	
10.10 NFPA Safety Factor and Rated Capacities	<input type="checkbox"/>	<input type="checkbox"/>	
10.11 Aerial Device Safety Factor, Rated Capacities, Aerial Device Safety Factor Service Life.	<input type="checkbox"/>	<input type="checkbox"/>	
10.12 Any additional items not listed but commonly included.	<input type="checkbox"/>	<input type="checkbox"/>	
10.13 Completed British Columbia Commercial Vehicle Inspection Certificate (CVI) prior to delivery.	<input type="checkbox"/>	<input type="checkbox"/>	
10.14 One set of complete filters for first major service.	<input type="checkbox"/>	<input type="checkbox"/>	
10.15 Provide a full table of options with pricing attached to the proposal.	<input type="checkbox"/>	<input type="checkbox"/>	

<p>10.16 Provide a full table of maintenance providers, their locations and specialties. The list must include minor and major service and repair depot locations for work on the following:</p> <ul style="list-style-type: none"> - Cab and chassis - Body components - Water tank - Pump - Aerial Device - Emergency Vehicle Components such as lighting, multiplexing, siren and any other significant components. 	<input type="checkbox"/>	<input type="checkbox"/>	
<p>10.17 Specify final 'delivery by' date.</p>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>10.18 The Proponent will provide, arrange and pay for all direct and associated travel costs of two (2) fire department members or SLRD representatives for two (2) inspection trips to the primary manufacturing site at key points during fabrication and prior delivery of the finished apparatus. These inspections shall be performed to accomplish the following:</p> <ul style="list-style-type: none"> • Pre-Construction Meeting • Final Inspection <p>Factory inspection trips shall be of a minimum two (2) days duration; include commercial transportation (i.e. airfare), meals, accommodation (one room per person), and local transportation to and from plant facility and be conducted during normal business hours Monday through Friday.</p>	<input type="checkbox"/>	<input type="checkbox"/>	