



**REGIONAL DISTRICT
of Fraser-Fort George**

REQUEST FOR PROPOSALS CS-16-04

**NEW FRONTLINE ENGINE FOR
PILOT MOUNTAIN VOLUNTEER FIRE DEPARTMENT**



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1.0 INTRODUCTION

The Regional District of Fraser-Fort George (the "Regional District") invites proposals from qualified fire apparatus manufacturers for the supply and delivery of a new frontline engine for Pilot Mountain Volunteer Fire Department.

Two (2) complete copies of your proposal must be submitted in a sealed package labeled: "**RFP CS-16-04 New Frontline Engine for Pilot Mountain Volunteer Fire Department**" to the General Manager of Financial Services, by **2:00 p.m. local time, Monday June 20, 2016**. The proponent's name and return address must be clearly marked on the outside of your proposal submission package. Late proposals will not be accepted and will be returned unopened to the proponent. **Proposals received by fax will not be accepted.**

Proposals must be sent to:

General Manager of Financial Services
Regional District of Fraser-Fort George
3rd Floor, 155 George Street
Prince George, BC V2L 1P8

All questions relating to this project must be in writing, directed to the Project Manager:

Melanie Perrin, Fire Services Coordinator
Regional District of Fraser-Fort George
155 George Street
Prince George, BC V2L 1P8
Telephone: 250-960-4400
Fax: 250-562-8676
Email: mperrin@rdffg.bc.ca

The Regional District reserves the right, in its sole discretion, to waive informalities in proposals, reject any and all proposals, or accept the proposal deemed most favorable in the interests of the Regional District. The proponent will be competent and capable of performing the work. The proponent may be required to provide evidence of previous experience and financial responsibility before a contract is awarded.

The Regional District will not be responsible for any costs incurred by proponents as a result of the preparation or submission of documents pertaining to this Request for Proposals (RFP). The accuracy and completeness of the Proposal is the Proponent's responsibility. Should errors be discovered, they will be corrected by the proponent at their expense.

RFP documents may be obtained on, or after, Thursday, May 19, 2016:

- a) in a PDF (public document format) file format from the Regional District's website www.rdffg.bc.ca;
- b) in hard copy from the Regional District Service Centre, 155 George Street, Prince George, BC between 8:00 a.m. and 5:00 p.m., Monday through Friday, excluding statutory holidays; or
- c) on the *BC Bid*[®] website www.bcbid.gov.bc.ca.

The lowest priced, or any proposal, will not necessarily be accepted and the Regional District reserves the right to reject any or all proposals, at its sole discretion without prejudice. Furthermore, the Regional District reserves the right to negotiate with any proponent or proponents at its sole discretion.



2.0 GENERAL INFORMATION AND INSTRUCTIONS TO PROPONENTS

2.1 Errors, Omissions, Clarifications

All questions and requests for clarification relating to the RFP process, and/or identification of any errors or omissions in the RFP documents, shall be made in writing to the Regional District, Attention: Melanie Perrin, Fire Services Coordinator, by mail, hand-delivery, fax to **250-562-8676**, or email to mperrin@rdffg.bc.ca. **Questions and requests for clarifications will not be accepted over the phone.**

2.2 Proposal Submissions

Two (2) signed copies of each proposal must be submitted. Each copy shall be complete and unabridged and shall not refer to any other copy for additional information, clarification, or details.

2.3 Proposal Format

Proponents are asked to respond in a similar manner. Appendices "A" and "B" must be submitted on the same forms included in this RFP, no exceptions. The following format and sequence should be followed in order to provide consistency in responses and to ensure each proposal receives full and complete consideration. All pages should be consecutively numbered.

- a) Title page including RFP title and number, proponent's name and address, telephone number, fax number, email address, and contact representative.
- b) One-page Letter of Introduction **SIGNED** by the authorized signatory of the proponent which will bind the proposed statement(s) made in the proposal.
- c) Table of Contents including page numbers.
- d) An Executive Summary of the key features of the proposal.
- e) Completed Appendix "A".
- f) Completed Appendix "B".
- g) Completed Appendix "C" (if proponent elects to submit Appendix "C").
- h) Complete contact information for three (3) references (see 3.6).

3.0 PROPOSAL EVALUATION AND SELECTION PROCESS

3.1 Proposal Evaluation

All proposals will be initially evaluated by the Regional District to assess the qualifications and capabilities of proponents to meet the minimum standards specified in the RFP.

The proposal evaluation through to proponent selection will be based on the following process as deemed appropriate by the Regional District:

1. Initial proposal evaluation by the Regional District.
2. Follow up question(s) from the Regional District to proponent(s). (Optional at discretion of the Regional District.)
3. Further question(s) from the Regional District to proponent(s). (Optional at discretion of the Regional District.)
4. Interview(s) of selected proponent(s) by Regional District. (Optional at discretion of the Regional District.)



5. Follow-up interview of selected finalist(s). (Optional at discretion of the Regional District.)
6. RFP criteria scoring by the Regional District.
7. Recommendations to Board.

3.2 Initial Proponent Selection Process

As a result of the initial written proposal evaluation, the Regional District may, at its sole discretion, request oral presentations and enter into detailed discussions with initially selected proponents prior to preparing a short-list of qualified proponents.

The Regional District may, at its sole discretion, prepare a “short-list” of proponents which initially appear to have the necessary qualifications, based solely on the information contained in the written proposals and/or additional information that may be obtained by the Regional District. The Regional District will be under no obligation to obtain additional clarification from any proponent(s) prior to preparing an initial “short-list” or before entering into detailed discussions, or negotiations, with any proponent.

3.3 Selected Proponent Negotiations

The Regional District, at its sole discretion, reserves the right to enter into contract negotiations with a selected proponent, or proponents, based only on the evaluation of the written proposal(s), and/or an evaluation of the combination of the written proposals, oral presentations, and/or detailed discussions.

The Regional District reserves the right to enter into negotiations with any proponent without requiring any other proponents to make any presentations, or require any other proponents to enter into detailed discussions with the Regional District.

3.4 Termination of Negotiations and/or RFP Process

The Regional District reserves the right to terminate contract negotiations with any proponent, and to enter into contract negotiations with any other proponent(s) if, in the opinion of the Regional District at any time, the contract negotiations with the initially selected proponent(s) will not be satisfactorily completed in the best interests of the Regional District.

The Regional District may, at its sole discretion, reject any or all proposals at any time throughout the proposal evaluation, proponent selection, or contract negotiation process.

3.5 Non-Compliance with RFP Requirements

Unless explicitly stated in a proposal, all proposals shall be assumed by the Regional District to be in full compliance with the RFP requirements without exception.

All items in the proposal that are **not** in full compliance, or that vary from the specific RFP requirements, shall be clearly identified in the proposal as non-compliant and/or variant, and shall include specific reference to the relevant section in the RFP and the precise nature of the variance or non-compliance.

Non-compliance or variances with the specific RFP requirements will not necessarily result in rejection of a proposal.

The acceptance or rejection of all non-compliant items, and/or variances to the RFP requirements, shall be at the sole discretion of the Regional District, without any obligation by the Regional District to either request clarifications, enter into detailed discussions, or negotiations with the proponent(s).

All bids must be submitted with completed Appendices “A” and “B” as contained within this RFP in order to be eligible for consideration.



3.6 References

Please include three (3) references that may be contacted for purposes of confirming your company's experience in supplying and delivering this type of vehicle.

4.0 MANUFACTURER SELECTION

4.1 Selection Criteria

The following are the criteria and the percentage of the total score for each criterion that will be used by the Regional District to select a proponent. The list of criteria is not in any particular order of priority. The Regional District, in its sole judgment, will base the selection of a successful proponent on a combination of the following criteria:

Evaluation criteria:

| | |
|----------------------------------|-------------|
| Experience | 20% |
| Compliance with RFP Requirements | 30% |
| Delivery date | 5% |
| Price | 35% |
| Nearest Service Facility | <u>10%</u> |
| Total | <u>100%</u> |

5.0 CONTRACT SCHEDULE

5.1 Award of Contract

The Award of Contract is expected to be made not later than July 21, 2016. All proponents will be advised in writing of the final results of the RFP evaluation process.

The Regional District, in its sole judgment, may delay the Award of Contract date as deemed appropriate by the Regional District.

5.2 Form of Contract

The contract to supply and deliver the finished apparatus to Pilot Mountain Volunteer Fire Department will be in the form of a letter of proposal acceptance, purchase order, or other format as agreed upon by the Regional District and the successful proponent.

6.0 APPARATUS FAMILIARIZATION

6.1 Apparatus Drawings

Final design acceptance and contract award will be conditional on the successful proponent providing **TWO (2) sets of scale drawings** showing left, right, front, and rear plan views of the apparatus. As-Built wiring diagrams as proposed will be required and are to be completed together with all dimensions. Dimensions are to be in imperial units.

6.2 In-Service Training

All proponents shall indicate the degree to which in-service training on the completed apparatus will be provided to the members of Pilot Mountain Volunteer Fire Department.



6.3 Service, Installation, Repair, and Operators Manuals

Factory service manuals, installation manuals, repair manuals, and operator's manuals shall be provided for the cab/chassis and all components comprising the completed apparatus, such as engine, transmission, front and rear axle, and engine status centre. All manuals shall accompany the apparatus when delivered to Pilot Mountain Volunteer Fire Department.

7.0 APPARATUS SPECIFICATIONS

7.1 Minimum Requirements

The minimum requirements for the completed apparatus are as detailed in Appendix "A" (minimum specifications) attached to and forming part of this RFP. Prospective proponents may recommend changes or adjustments to the specifications outlined where the proponent believes that such changes or adjustments will result in a better quality product in terms of efficiency, tractability, serviceability, or general operation. In all cases, the proponent should provide reasons for the recommended changes or adjustments to the RFP specifications in the initial proposal response documents.

7.2 Specifications Not Outlined

In terms of any of the apparatus specifications not detailed in this RFP, proponents are free to bid on the proposal as they choose, provided that the proponent's relevant specifications are detailed in the proposal response.

7.3 Compliance with Laws and Regulations

The completed apparatus shall comply with all relevant Federal and British Columbia motor vehicle laws and regulations and British Columbia's Worker's Compensation Board (WCB) Regulations prior to delivery.

British Columbia Motor Vehicle Inspection to be completed prior to apparatus delivery.

7.4 Underwriters' Laboratories of Canada (ULC) Standards

The apparatus shall be designed so as to comply with all relevant provisions of ULC-S515 "Standards for Automobile Fire Fighting Apparatus". The apparatus shall be fully tested and certified by a ULC Inspector to the ULC standard and have an ULC label affixed to the apparatus prior to delivery.

8.0 WARRANTIES AND INSURANCE

8.1 Chassis and Component Warranties

Proponents shall list the standard warranties applicable to the vehicle chassis and other components of the completed apparatus, which are included in the bid price, and document additional or extended warranties that are available together with any special provisions and applicable costs.

8.2 Manufacturer's Insurance

Proponents will be expected to satisfy the Regional District that sufficient insurance is provided to protect the Regional District's direct investment in the event the apparatus is damaged or destroyed prior to delivery.



9.0 APPARATUS DELIVERY AND PAYMENT

9.1 Apparatus Documentation

All documentation required to register ownership in the name of the Regional District shall be provided prior to, or upon, delivery.

9.2 Apparatus Timetable

Proponents must indicate the anticipated schedule for the delivery of the apparatus to Pilot Mountain Volunteer Fire Department. The actual delivery date of the apparatus and training date(s) of fire department personnel must be coordinated with Pilot Mountain Volunteer Fire Department in advance and with sufficient notice in order to accommodate fire department members' work schedules.

9.3 Contract Price

All prices for the completed apparatus shall be stated in Canadian dollars. Any applicable Federal or Provincial taxes or levies must be included in the proposal response, but are to be listed separately from the contract price. Appendix "B" – Schedule of Prices must be completed and included in the proposal package.

9.4 Payment Schedule

Proponents will outline the proposed payment schedule with sufficient detail so as to allow evaluation by the Regional District of when progress payments, if applicable, may become due.

9.5 Holdback on Delivery

In the event it is determined that the completed apparatus does not meet the specifications outlined in the contract documents or that the completed apparatus is deficient in any way, the Regional District may, at the time of delivery, hold back sufficient funds to ensure compliance. The amount of the holdback, if any and the provisions for the release of funds shall be subject to discussion between the Regional District and the manufacturer. The conclusion of any discrepancies and/or deficiencies must occur within a reasonable period of time.

9.6 Late Delivery

The successful proponent will be required to notify the Regional District if, during the construction process, there is any change in the delivery date provided in the contract and the reason behind the change in delivery date.

APPENDIX "A"

MINIMUM SPECIFICATIONS FOR NEW ENGINE FOR PILOT MOUNTAIN VOLUNTEER FIRE DEPARTMENT

NEW ENGINE PROPOSAL SPECIFICATIONS

If the unit is non-compliant on any of these specifications as outlined in Appendix "A", then the third column on this form MUST be completed detailing what the variation being supplied is and the reason for the variation.

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|--------------------------|--|-----------|---------------|--|
| CAB & CHASSIS | | | | |
| 1. | Two (2) door commercial chassis with crown cab, enclosed top pump panel. There will be seating provided for two (2) in the cab plus three (3) or four (4) in the crown, state what is being provided _____. In-seat Scott SCBA stations to be provided in all seats except for the driver's seat and the officer's seat. A Freightliner cab and chassis is preferred in order to maintain consistency with the fire department's fire apparatus fleet and maintenance program. Conventional cab console (centre) with storage to be provided. | | | |
| 2. | Ignition key to be secured by a chain to ensure key is not removed. | | | |
| 3. | Headlights to be LED. | | | |
| 4. | Air ride driver's seat and air ride officer's seat. | | | |
| 5. | All side windows to be electrically controlled, with driver's window switch near driver's window in order to be within easy reach of driver. Control switch for each window to be located at each window. Prefer that there be switches to control all windows installed within reach of Officer's seat as well if possible. Please state if this can be provided _____. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|---|-----------|---------------|--|
| 6. | All seating positions to be BC WCB compliant. Whiplash protection must be provided for a fire fighter having a height of 6'5" at a minimum. The seats providing whiplash protection must provide support to the head. The height of the back of the seat, or adjustable headrest, must be such that the top of the seat or headrest is above the top of the fire fighter's ear (perpendicular to the seat). | | | |
| 7. | Two (2) driving lights (SAE compliant) to be mounted in or on front chrome bumper. Type of light to be determined at pre-construction meeting. | | | |
| 8. | All bumper cut-outs to be completed prior to chroming of bumper. | | | |
| 9. | Provide for secure firefighter helmet storage in cab for all seated positions. State what brand is being provided _____. | | | |
| 10. | Two (2) remote controlled lights, to be installed on cab roof, final location to be determined at pre-construction meeting. To have dual remote controls; one (1) set of controls in the cab and one (1) set of controls at the pump panel. State brand of lights being provided _____. | | | |
| 11. | To have Racor fuel filter with primer pump, or electric primer pump | | | |
| 12. | Provide one (1) 1800 watt inverter, battery charger and transfer switch, to be installed with 120 volt outlets in the cab location. Final location to be determined at pre-construction meeting. | | | |
| 13. | Battery tender and radio charging, plus other 110 volt outlets installed in the cab, to be wired to shore plug. | | | |
| 14. | 400 HP minimum. Fire service application, with synthetic oil, diesel. A Mercedes engine will NOT be accepted. State what brand of engine is being provided _____. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|--|-----------|---------------|--|
| 15. | State the torque being provided by the engine _____. | | | |
| 16. | Fuel tank to be as large as possible. State capacity being provided _____. | | | |
| 17. | Fire Department to be supplied with all of the equipment needed to do manual re-generation of exhaust, unless an engine without a re-generation system can be purchased. | | | |
| 18. | Prefer engine to be provided without exhaust re-generation system. State what is being provided _____. | | | |
| 19. | If engine with re-gen system is being provided, DEF fluid tank to be located so as to not freeze. | | | |
| 20. | Sun visors both sides. | | | |
| 21. | Park brake warning light. | | | |
| 22. | Engine hour gauge. | | | |
| 23. | Heater and defrosters to have maximum output available. | | | |
| 24. | Cab sound proof to 80 dbls. | | | |
| 25. | Two (2) hand rails at each crown cab door, minimum 30" of usable rail. | | | |
| 26. | Crown cab and truck cab to be climate controlled, both heated and air conditioned. Provide supplemental heater/air conditioner for crown cab if required. If supplemental heater/air conditioner is being provided in quote, state what is being provided _____. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|--|-----------|---------------|--|
| 27. | Crown cab to have two (2) "defrost fans", one on each side of pump panel. | | | |
| 28. | Crown cab portion to have as many windows as possible. | | | |
| 29. | Crown cab door windows to have sliders with screens. | | | |
| 30. | Crown cab steps/stairs to be a minimum tread of 12" deep. | | | |
| 31. | Crown cab steps/stairs to be anti-slip material. | | | |
| 32. | Crown cab portion to have minimum insulation rating of R10. | | | |
| 33. | Master battery disconnect switch installed in cab. Location to be finalized at pre-construction meeting. | | | |
| 34. | Interior map reading light to be red with high and low settings. To have standard bulbs for easy replacement. | | | |
| 35. | Mud flaps for both axles. | | | |
| 36. | Clear emergency lights, headlights and wig wags to shut off when parking brake is applied. Manual override switch to be provided in order to turn headlights on with park brake applied. | | | |
| 37. | Two tow loops to be installed at front of truck. | | | |
| 38. | Two tow loops to be installed at rear of truck. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|---|-----------|---------------|--|
| 39. | If required by engine manufacturer, provide block heater with shoreline connection (1000 watt or less). Not to be auto eject. To be located by driver's door. To be thermostatically controlled. State if block heater is being provided _____. | | | |
| 40. | Safety warning system with buzzer. | | | |
| 41. | Auxiliary engine cooler. | | | |
| 42. | Air filter restriction gauge mounted in engine compartment. | | | |
| 43. | High idle switch. | | | |
| 44. | Exhaust to discharge to right side ahead of rear wheels. | | | |
| 45. | Provide either minimum of 270 amp alternator, must be available in BC or dual alternators, whichever is better for running all possible LED and emergency lights at once. | | | |
| 46. | Provide three (3) 12 volt batteries at a minimum, to be heavy duty commercial batteries. Caterpillar batteries required. Provide receptacle for Caterpillar Emergency Jump Start cables. | | | |
| 47. | Allison 3000 EVS automatic transmission or better, set-up for the fire service, electronic shift selector, with synthetic oil. Programmed for 5-4-3-2 auto downshift. | | | |
| 48. | Dual air horn, to be controlled by both driver and officer seats; lanyard controlled, location to be determined at pre-construction meeting. To be controlled at pump panel location as well. | | | |
| 49. | Air horn to be fender mounted. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-------------------|--|-----------|---------------|--|
| 50. | Dual bright mirrors heated and remote controlled, with 8" bottom convex. | | | |
| 51. | Steering wheel to be tilt and telescoping. | | | |
| 52. | All wiring to be protected by auto-resetting circuit breakers. | | | |
| 53. | Full line of dash gauges to be provided. | | | |
| 54. | To supply a "winter front" and "bug screen". | | | |
| 55. | Built in wheel chock storage on exterior of body. | | | |
| 56. | Supply aluminum wheel chocks. | | | |
| AIR BRAKES | | | | |
| 57. | ABS air brakes with auto slack adjusters. Haldex or Meritor required. | | | |
| 58. | Bendix AD-9 air dryer with heater to be provided. | | | |
| 59. | Air compressor 18.7 CFM or larger. | | | |
| 60. | Pressure relief valves on air compressor and air dryer. | | | |
| 61. | Service brake relay valve. | | | |
| 62. | Spring brake relay valve with anti-compound. | | | |
| 63. | NFPA rapid air build-up system, with shoreline air connection, with check valve on air tank, located by driver's door. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-------------------------------|--|-----------|---------------|--|
| 64. | Spring brake modulation valve. | | | |
| 65. | S-cam brakes front and rear, extended life rated. | | | |
| 66. | Front air brakes, minimum 16.5 x 6 size brake shoes, non-asbestos brake lining. | | | |
| 67. | Rear air brakes, minimum 16.5 x 7 size brake shoes, non-asbestos lining. | | | |
| 68. | Provide air tank drain controls, to be routed to the outside on the left hand side of the truck so that the air tanks can be drained without crawling under the truck. To be clearly labelled as follows; Primary, Secondary, Wet Tank, Auxiliary. Mechanism for draining air tanks are NOT to be lanyard or cable controls. | | | |
| AXLES – FRONT AND REAR | | | | |
| 1. | Manufacturer to recommend minimum front axle rating required. Axle and suspension must be rated higher than the heaviest loaded weight at a minimum. With synthetic oil. Meritor is preferred. State what brand and size of axle is being provided _____. | | | |
| 2. | 24,000 lb. minimum rear axle rating required. Axle and suspension must be rated higher than the heaviest loaded weight at a minimum. With synthetic oil. Rear axle ratio to be set for maximum speed of 130km/hr. Meritor is preferred, State what size and brand of axle is being provided _____. | | | |
| 3. | NOTE Regarding Axle Sizes: The fire department's want is to have the largest water carrying capacity as possible. | | | |
| 4. | Prefer 8'6" wide axles. State what is being provided _____. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|---|--|-----------|---------------|--|
| 5. | 10 stud pilot hubs with steel brake drums; front and rear. | | | |
| 6. | Synthetic oil for hubs. | | | |
| 7. | Front and rear dust shields. | | | |
| 8. | Mud and snow tires to be provided. State brand and model(s) of what is being provided _____. | | | |
| 9. | Tires and rims to match axle ratings. Rims to be aluminum. State the brand of rim that is being provided _____. | | | |
| 10. | Driver controlled differential lock up with dash light. | | | |
| 11. | Self deploying chains to be provided on rear axle, state brand that is being provided _____. | | | |
| DIMENSIONS – State actual measurement in blank provided. | | | | |
| 1. | State total width of unit: _____. | | | |
| 2. | State total loaded weight of unit: _____. | | | |
| 3. | State actual wheel base of unit: _____. | | | |
| 4. | Length of unit – prefer not to exceed 31', including ladders must not exceed 32'. State actual overall length of unit: _____. | | | |
| 5. | State actual overall height of unloaded unit: _____. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|------------------------------|--|-----------|---------------|--|
| 6. | State actual width allowance provided for walkway at pump panel: _____. Minimum width required is 27". | | | |
| FIRE PUMP | | | | |
| 1. | 1050 IGPM single stage, midship fire pump, split shaft driven through vehicle drive line. No exception. Shaft to have bearings at both ends. NOTE: Apparatus will be operated in Prince George, which sits at an elevation of 2540'. State brand of pump being provided _____. | | | |
| 2. | Submit driveline analysis with bid. No exception. | | | |
| 3. | Minimum 1710 driveline. | | | |
| PLUMBING AND CONTROLS | | | | |
| 1. | Aluminum pump module with stainless steel panels. | | | |
| 2. | Panel layout to be color coded and labeled. Colors to be strong contrast for better visibility at night. Colors to be matched to current Pilot Mountain Engine 11 layout. | | | |
| 3. | Pump access panels at front and on sides of module. Top side panels to be hinged. | | | |
| 4. | Top mounted pump panel with lever controls. Rods are required. | | | |
| 5. | All plumbing and valves to be galvanized steel. No exception. | | | |

| | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|--|-----------|---------------|--|
| <p>6. Two (2) 6" suction intakes, one (1) located on each side of pump panel. Both 6" intakes to come with electric valves located inside of pump panel, electric control to be at the pump panel. To include two (2) adaptors from 6" steamer port to male 4" NH Thread. Electric valves to be Hale Master Intake Valves, or comparable type of valve, on both sides, with gauges on pump panel and bleeder valves to be located at the valve and on the pump panel for both 6" suction. Bleeder valves are to exhaust outside of the pump panel, within sight of the pump operator. State what brand of MIV is being provided _____.</p> | | | |
| <p>7. One (1) 4" gated intake, with electric valve, located at rear of truck. Valve to be operated from pump panel. Valve to have gauge located at pump panel, to have bleeder valve at pump panel, discharge of water to be within sight of pump operator. Male 4" NH Thread to be provided.</p> | | | |
| <p>8. One (1) 4" gated discharge, with electric valve, located on right side, with 30 degree elbow. Valve to have gauge located at pump panel, to have bleeder valve at pump panel, discharge of water to be within sight of pump operator. 4" Storz fitting to be provided.</p> | | | |
| <p>9. Pre-connect hose lays are to be crosslays, to be housed in a pull-out tray that is accessible and can deploy the hose lays from either side of the truck. The hose tray is to be able to be pulled out on either side of the truck. The hose lays and tray are preferred to be located approximately at waist height. Hose tray to hold three pre-connect crosslay hose lines with dividers, as detailed in Line 10 and Line 11 below. Please indicate exact location of hose tray and crosslays.</p> | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|--|-----------|---------------|--|
| 10. | Provide for two (2) 1¾" crosslay preconnect lines, to be housed in the hose tray referred to in Line 9. Each preconnect hose bed must be designed to hold 200' of 1¾" double jacket structural fire hose. Hose lays to be accessible from both sides of the truck. Width of each hose bed to be wide enough to provide ample room for nozzle and handle of nozzle. Exact width to be discussed and finalized at preconstruction meeting. | | | |
| 11. | Provide for one (1) 2½ " crosslay preconnect line, to be housed in the hose tray referred to in Line 9. This preconnect hose bed must be designed to hold 200' of 2½ " double jacket structural fire hose. Hose lay is to be accessible from both sides of the truck. Width of the hose bed to be wide enough to provide ample room for nozzle and handle of nozzle. Exact width to be discussed and finalized at preconstruction meeting. | | | |
| 12. | Provide for one (1) 2½" gated discharge, with valve, on left side, with 30 degree elbow. | | | |
| 13. | Provide for one (1) 2½" gated discharge, with valve, on right side, with 30 degree elbow. | | | |
| 14. | Provide for one (1) 2½" gated discharge, with valve, at rear of truck, with 30 degree elbow. | | | |
| 15. | All valves to be located inside of heated pump compartment. | | | |
| 16. | Control of all valves to be at pump panel. | | | |
| 17. | Provide one (1) 3" tank fill, with electric valve, electric control at pump panel. | | | |
| 18. | Provide one (1) 4" tank to pump (tank suction), with check valve, with electric valve, electric control on pump panel. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|--|-----------|---------------|--|
| 19. | Foam system to be provided; Foam Pro 2001 or better for Class A and Class B foam (Two (2) tanks to be provided). | | | |
| 20. | Foam is to be plumbed to the two 1 ¾" preconnect lines, to the one 2 ½" preconnect line, and to the rear 2 ½" discharge. | | | |
| 21. | Two (2) 30 gallon foam tanks to be provided and installed. One (1) tank for Class A foam and one (1) tank for Class B foam. Tanks to be located at top of pump behind the pump panel, and to be easily accessible for filling. | | | |
| 22. | Heater to be below pump area. Belly pan to be easily removable. State type and size of heater being provided _____. | | | |
| 23. | Heated and closed in pump compartment, with easy access panel for maintenance. | | | |
| 24. | Intelli-tank water tank and foam tank gauges. Class 1 gauges preferred. State what type of gauges are being provided _____. | | | |
| 25. | Provide electronic pump discharge pressure control system. State what is being provided _____. | | | |
| 26. | Provide engine throttle/pressure relief system. State what is being provided _____. | | | |
| 27. | Provide electric engine display. State what is being provided _____. | | | |
| 28. | Pump pressure and compound gauges to be 4.5", if these pressure readings are not already provided on the electronic control system. If gauges are being provided state what type is being provided _____. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|--|-----------|---------------|--|
| 29. | All discharge gauges to be 2.5", mounted above the lever control. State brand of gauge being provided _____. | | | |
| 30. | All gauges to be in Imperial units only. | | | |
| 31. | Thermo relief valves on pump. | | | |
| 32. | Maximum pump panel lighting with switch on pump panel. Lighting to be provided will be Amdor Luma Bar LED lights. | | | |
| 33. | Fan control switch for pump compartment heater. | | | |
| 34. | Switch for pump compartment light, to be located at pump panel. | | | |
| 35. | Primer control. Primer to be electric and oil-less. | | | |
| 36. | Engine cooler control valve. | | | |
| 37. | Pump hour meter (if not already provided in the electronic control system). | | | |
| 38. | Test Ports: Pressure/Vacuum gauges. | | | |
| 39. | All valves to be Akron or Elkhart. State what is being provided _____. | | | |
| 40. | All valves (discharges and intakes) to have bleeder/drain valves to drain pressure, located at the valve, including the preconnects. Bleeder discharges of water to be within view of the pump operator. | | | |
| 41. | Bleeder valves to be provided at the pump panel for all 4" intakes, discharge of water to be within view of the pump operator. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----------------|---|-----------|---------------|--|
| 42. | Layout of discharges and intakes to be identical on both sides of truck where possible. | | | |
| 43. | Prefer weather stripping to be provided around pump control handles. | | | |
| HOSE BED | | | | |
| 1. | Four (4) adjustable and removable hose bed dividers. | | | |
| 2. | Interlocking plastic grating on floor – turtle tile, to be loose on floor and removable for ease of cleaning. Grating to have small sized holes. | | | |
| 3. | To be of such a design as to ensure that no sharp edges or angular bolt heads will be in contact with the hose in the hose beds. | | | |
| 4. | To be capable of storing at a minimum: 1000' of 4" supply line, two lays of 300' of 1 ½" forestry line, 500' of 2 ½" double jacket fire hose, and 400' of 1 ¾" double jacket fire hose. | | | |
| 5. | Vinyl hose bed cover, prefer large velcro strap fasteners at rear of truck. Button snap closures will not be accepted. Bungee cord style cover secure system with hooks along top sides of body is required. Color to be either red or black. | | | |
| BODY | | | | |
| 1. | Modular 1/8 th H32 5052 aluminum body. | | | |
| 2. | All compartment doors to be hinged "slam" style. | | | |

| | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|---|-----------|---------------|--|
| 3. Top compartments each to have a single door that opens upwards. There will be two (2) top compartments on the right side of truck and two top compartments on the left side of the truck. | | | |
| 4. Bottom compartments to each have two (2) doors that are “barn door” style openings. There will be two bottom compartments on the right side of the truck and two bottom compartments on the left side of the truck. | | | |
| 5. Rear compartment (B1) to have two (2) doors that are a “barn door” style opening. | | | |
| 6. All compartment latches are to be D-Ring style latches. | | | |
| 7. Front left side top compartment to have two (2) adjustable and removable shelves. Bottom portion of this top compartment to store spare Scott SCBA air bottles (in a “wine-rack” storage method). State how many storage spaces can be provided _____. | | | |
| 8. Front left side bottom compartment to have two (2) roll out trays located in the upper portion of this compartment. Each tray is to be 4” high, each with three (3) dividers to store hose appliances, accessories, etc. Would prefer the roll out trays to be height adjustable if possible. State if this is being provided _____. | | | |
| 9. Rear left side top compartment to have tracks and brackets to fit as many Scott SCBA packs as possible. Brackets to be moveable side to side. State how many are being provided _____. Bottom portion of this top compartment to store spare Scott SCBA air bottles (in a “wine-rack” storage method). State how many storage spaces can be provided _____. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|---|-----------|---------------|--|
| 10. | Rear left side bottom compartment to have a slide out tray. | | | |
| 11. | Front right side top compartment to have three (3) adjustable and removable shelves. | | | |
| 12. | Front right side bottom compartment to have two (2) slide out trays. Exact location of slide out trays to be determined at the preconstruction meeting. | | | |
| 13. | Rear right side top compartment to have three (3) adjustable and removable shelves. | | | |
| 14. | Rear right side bottom compartment to have a heavy duty slide out tray for possible future generator. | | | |
| 15. | Back compartment (B1) to be as tall/high as possible, to have a slide out tray installed in the bottom of the compartment. To have "barn door" style doors. Latches to be D-Ring. | | | |
| 16. | Fire Department would like as many compartments as possible. Compartments to be as deep as possible in order to take advantage of as much storage space as possible. Manufacturer is encouraged to be creative to take advantage of vacant space and suggest additional compartments. | | | |
| 17. | Compartment door ajar indicator light and alarm in chassis cab that indicates when there is a compartment door that has not been completely latched. To operate only when the park brake has been released. | | | |
| 18. | All compartment floors and shelves to have easily removable plastic interlocking tiles, loose on floor, and removable for ease of cleaning. To be sweep-out design. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|--|-----------|---------------|--|
| 19. | Air vents to be in each compartment. | | | |
| 20. | Floors built to prevent "oil canning". | | | |
| 21. | State the rated weight capacity of the compartments _____ lbs. | | | |
| 22. | State rated weight capacity of the shelves _____ lbs. | | | |
| 23. | State rated weight capacity of slide out trays _____ lbs. | | | |
| 24. | Sweep out compartment floors with bottom edge lower than compartment floor. No exception. | | | |
| 25. | Provide one (1) 50" long pry bar, to be installed at rear of body. | | | |
| 26. | Aluminum diamond plate protection panels for the body. | | | |
| 27. | Rub rails with reflective tape. Prefer 3" built on rub rails, not "C" channel. State what is being provided _____. | | | |
| 28. | Handrails, steps, tow eyes, and mud flaps to conform to ULC and WorkSafe BC standards. | | | |
| 29. | State whether wiring will be multiplexed or hard wired _____. | | | |
| 30. | Wires will be permanently heat ink embossed with both number and function codes. | | | |
| 31. | Lights installed in the pump compartment. Lights to be LED. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-----|--|-----------|---------------|--|
| 32. | Provide siren amplifier; electric, with PA and microphone, state what is being provided _____ | | | |
| 33. | Horn function on steering wheel to control electric horn and hands-free for siren operation as well. | | | |
| 34. | Air horn to be controlled by a lanyard that is within reach of both the driver and the officer. If the reach is too far then two lanyards will be installed; one (1) located near the officer's seat and one (1) located near the driver's seat. | | | |
| 35. | Two (2) 100 watt speakers installed in the front bumper (includes PA system). To meet needs of recommended siren. | | | |
| 36. | Steps at rear of truck for hose bed access (best method). | | | |
| 37. | Tailboard to be adequate in depth for safety of fire fighters standing on tailboard. | | | |
| 38. | Full width 8" step, located above rear compartment, for fire fighters to stand on while assisting in loading of hose into hose bed. | | | |
| 39. | Aluminum rear wheel liners to be provided. | | | |
| 40. | There will be handrails on rear beaver tail so that there are grab rails for when tele-lights are removed. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|-------------------|---|-----------|---------------|--|
| 41. | Hydraulic operated ladder rack to be on the right side of the unit and to hold one 14' roof ladder, one (1) 24' two section ladder, two (2) 4" x 12' long hard suction hoses, one (1) folding attic ladder and two (2) pike poles. The hydraulic ladder rack is to have two (2) arms, not one center arm. The arms should be located on either ends of the body surface so as to not impact the upper compartment dimensions/configuration. | | | |
| 42. | Provide audible alarm and flashing light indicator for when ladder rack is being lowered or raised. Control for ladder rack to be determined at the preconstruction meeting. | | | |
| 43. | Entire under portion of the body, cab and chassis to be undercoated. | | | |
| 44. | Lighting in all compartment areas to be provided by Amdor Luma Bar LED lights controlled by the compartment door opening. Lights to be mounted so that the entire compartment and each shelf area are lit. Lighting to be mounted on both sides of each compartment. | | | |
| WATER TANK | | | | |
| 1. | Lifetime warranty against corrosion. No exception. | | | |
| 2. | To be maximum size possible, minimum 1000 Imperial gallons with 6" overflow. Would prefer 1500 imperial gallons. State what is being provided _____. | | | |
| 3. | Tank drain and valve. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|----------------------------|---|-----------|---------------|--|
| 4. | Provisions for a future 10" dump valve out of rear compartment. | | | |
| 5. | To be constructed of Polypropylene to conform to ULC and NFPA standards. | | | |
| EMERGENCY EQUIPMENT | | | | |
| 1. | All lighting to conform to ULC standards. No exception. | | | |
| 2. | Emergency lights are to be controlled by individual switches as well as the ability to turn them all on or off with one master switch. | | | |
| 3. | LED lights to be used throughout, where possible, and arrow directional where appropriate. | | | |
| 4. | LED roof bar. State make and model _____. | | | |
| 5. | Manufacturer shall provide a "Certification of Compliance" of the warning system. | | | |
| MISCELLANEOUS | | | | |
| 1. | Please advise in each case of make and model of specified equipment being provided in your quote, where applicable. | | | |
| 2. | Apparatus to be pre-wired for two dual head VHF radios. Two heads to be located inside of cab, two heads to be located at the pump panel. | | | |
| 3. | Must meet all DOT and CVIP standards for reflectors and lighting. | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|------------------|--|-----------|---------------|--|
| 4. | Back up alarm to be provided. | | | |
| LIGHTING | | | | |
| 1. | All ground lighting to illuminate automatically when the park brake is applied. All ground lighting to also be controlled by a switch in the cab. | | | |
| 2. | Two (2) Akron SceneStar telescoping 110V LED lights will be installed; one (1) on each side of the pump panel with warning light/indicator in cab when lights extended. To be directly wired to breaker box, with a breaker for each light. | | | |
| 3. | Two (2) demountable and extendable Akron SceneStar LED tripod "extenda lights", installed at rear of unit. To be plugged into exterior electrical box while mounted. Two (2) outlets per light to be provided so one free outlet is available to be used per location at rear of unit. | | | |
| 4. | Rear traffic adviser to be provided. Location of control to be in the cab. | | | |
| PAINTING | | | | |
| 1. | Truck to be one color, red; fire department to supply color code. | | | |
| 2. | Body undercoating of entire under portion of body, cab, and chassis. | | | |
| 3. | Chevron striping on rear of truck. Final layout to be determined. | | | |
| EQUIPMENT | | | | |
| 1. | Two (2) fire axe holders to be provided. One (1) to be located on each side of the rear compartment barn doors. Location must not interfere with safe accessibility for mounting and de-mounting steps at rear | | | |

| | | Compliant | Non-Compliant | State the variation being supplied if line item is non-compliant |
|------------------------|---|-----------|---------------|--|
| 2. | Built on hose wrenches to be provided, one (1) set mounted on each side of pump panel, and at rear of truck. To fit two (2) wrenches on each mount, plus hydrant wrench. Hose wrenches to fit 2½" and 4" couplings. | | | |
| 3. | Two (2) 20lb ABC fire extinguisher to be provided, to be mounted on apparatus (exact locations to be determined at pre-construction meeting). | | | |
| 4. | Provide a pole, to be mounted on the apparatus, to store twelve (12) pylons. | | | |
| BID TO INCLUDE: | | | | |
| 1. | Number of service vehicles _____. | | | |
| 2. | Confirmation that the proponent's service is not third party. | | | |
| 3. | A label or decal on truck that indicates recommended fluid levels and types. Fire department to advise location of decal at preconstruction meeting. | | | |
| 4. | Complete set of maintenance, service, and repair manuals for all equipment, including, but not limited to; cab, engine, pump, axles, generator, etc. | | | |
| 5. | Details of service facility, hours of operation, size, locations, number of bays, paint, and body capabilities | | | |
| 6. | A weight balance calculation | | | |
| 7. | A driveline analysis of a typical installation. | | | |

APPENDIX "B"

SCHEDULE OF PRICES FOR APPENDIX "A" – MINIMUM REQUIREMENTS

Price submitted below reflects the full cost, excluding taxes, of the New Frontline Engine for the Pilot Mountain Volunteer Fire Department as specified in RFP CS-16-04 Appendix "A" "Minimum Requirements". This price sheet must accompany the bid package submitted.

| | |
|--------------------------------------|----------|
| Contract Price (not including taxes) | \$ _____ |
| GST | \$ _____ |
| PST | \$ _____ |
| Other (please specify) | \$ _____ |
| TOTAL | \$ _____ |
| Delivery Date | _____ |
| Nearest Service Facility | _____ |

Company Name

Signature

Date

APPENDIX "C"

OPTIONAL EQUIPMENT

| | | Price (excluding taxes) |
|-----|---|----------------------------|
| 1. | Cost to paint the pump, valves and piping black to provide additional protection. | |
| 2. | Cost to provide permanent mounted electric cord reel for 110 volt, to hold 200' of 10 gauge cord, cord to be twist lock style, to be mounted in top of rear (B1) compartment. | |
| 3. | Cost to provide wiring for a 6500 watt Honda generator in the right side rear bottom compartment. (12 volt for generator starter and 220 volt to electric panel) | |
| 4. | Cost to provide six (6) clear LED scene lights to be provided: two (2) to be located on the sides of apparatus at the rear, two (2) to be provided on the sides of the apparatus at the front, and two (2) to be provided on back of the apparatus. | |
| 5. | Cost to supply and install an additional water level gauge on side of body. | |
| 6. | Cost to upgrade from 1050gpm pump to 1250gpm pump. | |
| 7. | Cost to provide necessary bumper, plumbing, etc for a front bumper hose lay. | |
| 8. | Cost to provide inverters to run electrical needs (ex. Extend-a-lights, outlets, etc.) instead of using a generator. | |
| 9. | Cost to provide a 6500 watt Honda generator. | |
| 10. | Cost to provide two (2) side body 110 volt AC duplex outlets, one to be located on each side of body at pump panel, to be 110V 15amp twist lock style. (THIS WILL BE ADDED IF THE DEPT CHOOSES TO WIRE FOR A FUTURE GENERATOR) | |
| 11. | Cost to provide two (2) rear body 110 volt AC duplex outlets, to be 15amp twist lock style. (THIS WILL BE ADDED IF THE DEPT CHOOSES TO WIRE FOR A FUTURE GENERATOR) | |
| 12. | Cost to provide a ten (10) breaker circuit panel, NOT to be located in the right side rear bottom compartment. Final location to be determined at preconstruction meeting. (THIS WILL BE ADDED IF THE DEPT CHOOSES TO WIRE FOR A FUTURE GENERATOR) | |
| 13. | Cost to provide fire service attic ladder. | |
| 14. | Cost to provide 24' fire service extension ladder. | |



| | | Price (excluding taxes) |
|-----|--|------------------------------------|
| 15. | Cost to provide two (2) fiber glass pike poles. | |
| 16. | Cost to provide six (6) Scott 2.2 air packs, including six (6) Scott carbon fiber air bottles. | |
| 17. | Cost to provide a camera at the rear of the truck, and two viewing screens; one in the cab of the truck within view of the driver and one at the pump panel within view of the pump operator. The objective is for view of port-a-tank operations. | |
| 18. | Cost to provide one (1) 3" discharge plumbed and capped for future use with a deck gun/monitor. | |
| 19. | Cost to provide remote controlled monitor, control to be mounted at the pump operator's panel. | |
| 20. | Cost to provide rear ladder to access the hose bed. | |
| 21. | Cost to provide Foam Pro auto fill system for foam tank. | |
| 22. | Cost to paint the interior of all compartments, color to be yellow or lighter color. | |
| 23. | Cost to install two dual head radios; two in cab and two at pump panel. | |
| 24. | Cost to provide onboard air compressor capacity in order to be able to run air tools and rescue air lifting bags. | |
| 25. | Cost to upgrade from spring suspension to air ride suspension. | |