



**The Corporation of the Township of Douro-Dummer
Fire Department**

Request for Proposal

FD-2019-02 Mini-Pumper Fire Apparatus

Tender Closing

Date: December 6, 2019

Time: 12:00PM (noon) local time

**Location: The Township of Douro-Dummer
894 South Street
Warsaw, Ontario K0L 3A0**

Attn: Chuck Pedersen, Fire Chief

Late Bids Will Not Be Accepted.

The Corporation of the Township of Douro-Dummer reserves the right to accept or reject all or part of any Bid and also reserves the right to accept other than the lowest Bid and to cancel this Call for Bids at any time.

"Part A" Information to Bidders

1. Purpose

The Township of Douro-Dummer is requesting a request for proposal for the supply and delivery of a mini-pumper fire apparatus.

2. Proposal Copies

Proposals will be received by:

The Corporation of the Township of Douro-Dummer
894 South Street
Warsaw, Ontario K0L 3A0

Attn.: Chuck Pedersen, Fire Chief

One (1) original copy and one (1) photocopy of the Proposal properly signed and sealed shall arrive at the office of the Township of Douro-Dummer, 894 South Street, Warsaw, Ontario K0L 3A0.

The following schedule must be strictly adhered to. Only those firms who can commit to meeting this schedule should submit proposals.

3. Proposal Closing

Proposals must be delivered to the above address before 12:00:00 PM Noon Local Time, December 6, 2019. Time registered on the Township of Douro-Dummer Reception wall clock will be considered the official time when determining exact time of submission.

4. Proposal Award

It is understood that any reference herein to Lowest Bidder or Lowest RFP is replaced by Highest Overall Scored Proponent. Proposal award shall be made only upon the basis of the highest overall scored proponent in the evaluation process.

5. Evaluation Criteria

Proposals shall be evaluated based on:

- A) Company Profile/Service/Support and References
- B) Proponents ability to perform Contract
- C) Purchase Price
- D) Product Review

Evaluation of each proposal relative to the others shall give due consideration to:

- | | |
|---|--------|
| | Weight |
| A) Company Profile/Service/Support and References | 25% |
| B) Proponents capability to perform this Contract shall be based on the firm's prior experience in supplying and providing training for the proposed equipment, delivery, time, safety features and warranty provided | 25% |
| C) Purchase Price | 25% |
| D) Product review, and any additional value-added services included in the Proposal at no additional cost | 25% |

Method of Evaluating Cost

$$\frac{\text{cost of lowest proper proposal}}{\text{cost of proposal being evaluated}} \times \text{full weight of cost criteria}$$

| | | |
|----|----------------|---|
| 10 | Excellent | Exceeds the requirements of the criterion in superlative beneficial ways/very desirable. |
| 9 | Very Good | Exceeds the requirements of the criterion in ways which are beneficial to the Township's needs |
| 8 | Good | Exceeds the requirements of the criterion but in a manner which is not completely beneficial to the Township's needs |
| 7 | | Fully meets all requirements of the criterion. |
| 6 | Average | Adequately meets most of the requirements of the criterion. May be lacking in some areas which are not critical. |
| 5 | | Addresses most, but not all, of the requirements of the criterion to minimal acceptable level. May be lacking in some areas which are not critical. |
| 4 | Poor | Barely meets most of the requirements of the criterion to the minimum acceptable level. May be lacking in some areas which are not critical. |
| 3 | | Minimally addresses some, but not all, of the requirements of the criterion. Lacking in critical areas. |
| 2 | Very Poor | Very Poor to Unsatisfactory |
| 1 | Unsatisfactory | Does not satisfy the requirements of the criterion in any manner. |

Each Bidder is asked to submit one (1) original and one (1) copy of their proposal.

6. Inquiry

Any questions regarding this tender should be directed to:

Chuck Pedersen
Fire Chief
Township of Douro-Dummer
(705) 652-8392 x 207
cpedersen@dourodummer.on.ca

7. Amendments to "Standard Terms and Conditions"

Where Amendments to the Township's "Standard Terms and Conditions" are contained herein, it should be noted that these Amendments supersede any of the foregoing Terms and Conditions.

8. Multiple Proposals

Where a proponent believes their company provides more than one suitable option that meets the specification provided, then more than one proposal is acceptable, but must be submitted entirely separate, as if it was the only one being submitted.

9. Documents to Include with the Bid

Listed on Part "D" Bid Form

“Part B” Standard Terms and Conditions

1. Definitions

| | |
|---------------|---|
| Bid | The document issued by the Township in response to which Quotations/Tenders/Proposals are invited for the performance of the work or supply of equipment. |
| Bidder | A person (s), firm(s) or corporation(s) who has submitted a bid. |
| Company | The person(s), firm(s) or corporation(s) to whom the Township has awarded the contract. |
| Contract | The purchase order authorizing the company to do the work, the Quotation/Tender/Proposal, the bonds or security (if any), the company's Quotation/Tender/Proposal, and change notices, appendices, and addenda (if any), Formal contract. |
| Township | The Township of Douro-Dummer, its successors and assigns. |
| Equipment | The materials, machinery, assemblies, instruments, devices or articles as the case may be, or components thereof, which are the subject of the contract. |
| Subcontractor | A person(s), firm(s) or corporation(s) having a contract with the company for any part of the work. |
| Work | All materials, equipment fixtures, services, supplies, and acts required to be done, furnished and/or performed by the company. |

2. Bid Closing Time

One (1) original and one (1) copy of the bid document, or as otherwise requested herein, properly signed and sealed and clearly marked as to its contents, shall arrive at the office of the Fire Chief of the Township of Douro-Dummer, 894 South Street, Warsaw, Ontario, K0L 3A0 no later than the specified time and closing date indicated on the cover page of the document. Late bids shall not be accepted; however they shall be time and date stamped and returned to the Bidder unopened.

The Township of Douro-Dummer’s time mechanism will be considered the official time when determining exact time of submission.

3. Bid Requirements

Bidders are required to conform to the conditions listed below and those failing to do so may be subject to disqualification.

- a) Bids must be submitted on the bid form supplied by the Township. Bid submissions must not be restricted by a statement added to the bid form or by a covering letter, or by alterations to the bid form supplied unless otherwise provided in the bid document.
- b) Bid submissions shall consist of Part "D" Bid Form and all other sections and requirements as requested within the bid document. See Part "D" Bid Form for all requirements requested within the bid document.
- c) The Bid Form shall be signed in the space(s) provided by a duly authorized official of the entity bidding. If a joint Bid is submitted, it shall be signed on behalf of each of the Bidders and if the signing authority for both Bidders is vested in one individual, he/she shall sign separately on their behalf. Signatures on behalf of non-incorporated bodies or by individuals shall be witnessed. In the case of an incorporated Company, the corporate seal should be affixed to the Bid Form adjacent to the authorized signature.
- d) Bids must be legible, written in ink or typewritten. Erasures, over-writing or strikeouts must be initialed by the person signing on behalf of the Company.
- e) Adjustments by telephone, facsimile (Fax), e-mail or letter to a bid already submitted will not be considered. A bidder desiring to make adjustments to a bid must withdraw the bid and/or supersede it with a later bid submission prior to the specified bid closing time.
- f) Bids must be submitted in individually sealed envelopes and must clearly identify the name of the company, address of company, and tender number (FD-2019-02) on the outside of the envelope. Quotation/Tenders/Proposals received after closing time specified in the bid document will not be considered.

Faxed Bid Submissions are not acceptable

- g) Delivery of the Bid submission through a Courier Service shall be the responsibility of the Bidder and shall result in the submission being rejected where:
 - a. Bid submission is delivered to a location other than which is stated on the submission and fails to be delivered to the Township of Douro-Dummer's Office of the Fire Chief prior to the closing date and time; and/or
 - b. Bid submission which is enclosed in the Courier Envelope that does not state, "Bid Document Enclosed" and is not removed from the Courier's Envelope prior to the closing date and time; and/or
 - c. Bid submission is delivered later than the closing date and time.

- h) Each item in the bid document shall be a reasonable price for such item. Bids that contain prices which appear to be unbalanced as to affect adversely the interest of the Township may be rejected. The Township will be the sole judge in this matter.

4. Bidders Statement of Understanding

It is understood that the Bidder has carefully examined all of the bid documents and has carefully examined the Work to be performed under the Contract if awarded. The Bidder also understands and accepts the said bid documents, and for the prices set forth in the Bid, hereby offers to furnish all labour, machinery, tools, apparatus and other means of implementation, and materials to complete the terms and conditions and requirements in strict accordance with the bid documents.

None of the conditions contained in the Bidder's (seller's) standard or general (printed) conditions of sale shall be of any effect unless explicitly agreed to by the Township as set forth or specifically referred to therein.

The Bidder declares that their submission is not made in connection with any other bidder submitting an offer for the same commodity or commodities, and is in all respects fair and without collusion and fraud.

The contract shall be governed and interpreted in accordance with the laws of the Province of Ontario.

It is the intent of this specification to describe Mini-Pumper Fire Apparatus for the purpose of front line pumper. All parts not specifically mentioned, which are necessary in order to provide a complete assembly, shall be included in the bid and shall conform in strength, quality of material and workmanship to what is usually provided by the trade in general.

Any units not conforming to the specifications as outlined in Part "C" - Specifications will be rejected and it will be the responsibility of the supplier to conform to the requirements unless deviations have been cited by the bidder and acceptance made on that basis, such acceptance shall be at the Township of Douro-Dummer's discretion.

5. Clarification of Bid Documents

No officer, agent or employee of the Township is authorized to alter orally any portion of these documents. During the period prior to submission of Quotations/Tenders/Proposals, alterations will be issued to Bidders as written addenda. The Bidder shall list in its Bid all addenda that were considered when its Quotation/Tender/Proposal was prepared.

The Township will issue all written addendum to the bid documents to each bidder or prospective Bidder via e-mail, Fax or electronic posting.

Bidders are required to confirm receipt of each addendum. Although the Township will make every reasonable effort to ensure that each Bidder receives all addenda issued, it is each Bidder's ultimate responsibility to ensure all addenda have been received.

6. Insurance and Workplace Safety Insurance Board

The successful bidder shall deliver a certified copy of the Firm's Public Liability and Property Damage Insurance, and where applicable the bidder shall carry standard automobile and non-owned automobile liability insurance Policy for the works, within ten (10) working days of receiving the Acceptance Notice. Coverage shall be at least \$2,000,000.00 per incident, with the Township of Douro-Dummer named as insured. Additional coverage may be required.

See Part "A" Information to Bidders, which form part of this bid document for additional requirements.

The successful bidder will be required to submit proof of Workplace Safety Insurance Board Coverage, within ten (10) working days of receiving the Acceptance Notice and shall provide additional certificates as often as is deemed necessary by the Township during the term of the contract to ensure continued good standing with the Workplace Safety & Insurance Board.

or

The successful bidder shall provide proof to the Township from the Workplace Safety & Insurance Board that the bidder does not require Workplace Safety & Insurance Board Insurance. If the successful bidder changes its status with the Workplace Safety & Insurance Board during the term of the contract such that coverage is required, the successful bidder shall immediately provide the Township with the W.S.I.B. Clearance Certificate.

Failure to provide such proof shall result in cancellation of the Contract.

7. Proof of Ability

The Bidder may be required to show, in terms of experience and facilities, evidence of its ability, as well as that of any proposed subcontractor, to perform the work by the specified delivery date.

8. Pricing Requirement

Prices shall be in Canadian Funds, quoted separately for each item stipulated F.O.B. the point specified therein.

All prices bid shall include applicable taxes, customs duty, excise tax, freight, insurance and all other charges of every kind attributable to the work. Harmonized Sales Tax shall be shown as extra, unless otherwise specified. If the Bidder intends to manufacture or fabricate any part of the work outside of Canada, it shall arrange its shipping procedures so that its agent or representative in Canada is the Importer of record for customs purposes.

Except as may be provided in Part "C" Specifications, in the Quotation/Tender/Proposal document, the prices bid shall not be subject to adjustment for any cost of the work to the Company.

In the event of any discrepancy between the unit price and the extension, the unit price shall govern.

9. Terms of Payment

Unless progress payments or any alternate payment terms are specified in the contract, the contract price may be invoiced after delivery and shall be payable 30 days from receipt of invoice. The effect of any alternative payment terms, stated clearly in the bid submission will be considered in the evaluation of bids. The Township shall have the right to withhold from any sum otherwise payable to the Company such amount as may be sufficient to remedy any defect or deficiency in the work, pending correction of the same.

10. Delivery

Time shall be material and of the essence of the contract. A 30 day grace period will be allowed from the specified delivery date. Each day past 30 days, the vendor will pay the Township a sum of \$250 per day penalty for not fulfilling the contract as written.

Any required training will be included on the delivery day.

All bids shall be F.O.B. Destination, Warsaw, Ontario unless otherwise noted in the bid document. The Company shall be responsible for arranging its work so that completion shall be as specified in the contract.

11. Patents and Copyrights

The Company shall at its expense, defend all claims, actions or proceedings against the Township based on any allegations that the work or any part of the work constitutes an infringement of any patent, copyright or other proprietary right and shall pay to the Township all costs, damages, charges and expenses, including its legal fees.

The Company shall pay all royalties and patent license fees required for the work.

If the work or any part thereof is in any action or proceeding held to constitute an infringement, the Company shall forthwith either secure for the Township the right to

continue using the work, or shall at the Company's expense, replace the infringing items with non-infringing work or modify them so that the work no longer infringes.

12. Assignment

The Company shall not assign the contract or any portion thereof without the prior written consent of the Township.

13. Occupational Health and Safety Act

The successful bidder, for purposes of the Ontario Occupational Health and Safety Act, shall be designated as the Constructor for this project and shall assume all of the responsibilities of the Constructor as set out in that Act and its regulations. The foregoing shall apply notwithstanding that the successful bidder has been referred to as the 'Company' in this and any other related document.

The Company acknowledges that they have read and understood the Occupational Health and Safety Act together with the Township's Health and Safety Policies and Procedures.

The Company covenants and agrees to observe strictly and faithfully the provisions of the said Occupational Health and Safety Act and all regulations and rules promulgated there under together with the Township's Health and Safety Policies and Procedures. The Company agrees to indemnify and save the Township harmless for damages or fines arising from any breach or breaches of the said Occupational Health and Safety Act and/or the Township's Health and Safety Policies and Procedures.

The Company agrees to assume full responsibility for the enforcement of the said Occupational Health and Safety Act and the Township's Health and Safety Policies and Procedures and to ensure compliance therewith.

The Company further acknowledges and agrees that any breach or breaches of the Occupational Health and Safety Act and/or the Township's Health and Safety Policies and Procedures whether by the Company or any of its sub-contractors may result in the Company and/or sub-contractor being removed from the site and in the immediate termination of this contract herein and the forfeiture of all sums owing to the Company by the Township.

The Company shall allow access to the work site on demand to representatives of the Township to inspect work sites to ensure compliance with the Contract and the Township's Policies and Procedures.

The Company agrees that any damages or fines that may be assessed against the Township by reason of a breach or breaches of the Occupational Health and Safety Act by the Company or any of its sub-contractors will entitle the Township to set-off the

damages so assessed against any monies that the Township may from time to time owe the Company under this contract or under any other contract whatsoever.

Where any portion of the work or services in this Contract is contracted to a sub-contractor, the Company agrees that the provisions of this section will apply to the sub-contractor and the Company will enforce said provisions.

The Company shall provide a list of all controlled hazardous materials or products containing hazardous materials, all physical agents or devices or equipment producing or omitting physical agents and any substance, compound, product or physical agent that is deemed to be or contains a designated substance in accordance with the Workplace Hazardous Materials Information System (WHMIS) as defined under the Ontario Occupational Health & Safety Act and shall provide appropriate Material Health & Safety Data sheets for these substances used for the performance of the required work, all prior to the performance of said work.

Where hazardous materials, physical agents and/or designated substances are used in the performance of the required work, the Company shall ensure that the requirements of the Ontario Occupational Health & Safety Act and associated regulations are complied with.

The Township reserves the right to cancel any contract for non-compliance with the terms set out herein, health and safety regulations, the Environmental Protection Act, associated regulations and other applicable legislation.

14. Laws, Regulations, Permits, Fees and Licenses

The Company shall comply with relevant federal, provincial and municipal statutes, regulations and by-laws pertaining to the work and its performance. The Company shall be responsible for ensuring compliance by its suppliers and subcontractors.

The contract shall be governed by and interpreted in accordance with the laws of the Province of Ontario.

The Company shall pay for all permits, licenses and fees, and give all notices and comply with all by-laws and regulations of the Township and any other governing body.

15. Substitutes and Alternates

Unless qualified by the provision "No Substitute", the use of the name of a manufacturer, brand, make or catalogue designation in specifying an item does not restrict bidders to that manufacturer, brand, make or catalogue designation identification. This is used simply to indicate the character, quality and/or performance of the goods and/or services desired, but the goods and/or services on which bids are submitted must be of such character, quality and/or performance that it will serve the purpose for which it is to be used as well as that specified. In submitting a bid on goods

and/or services other than as specified, the bidder must furnish complete data and identification with respect to the alternate goods and/or services they propose to furnish.

Consideration will be given to bids submitted on alternate goods and/or services to the extent that such action is deemed to serve the best interests of the Township. If the bidder does not indicate that the goods and/or services they propose to furnish is other than specified, it will be construed to mean that the bidder proposes to furnish the exact goods and/or services as described in the bid document.

16. Inspections and tests:

Throughout the vehicle manufacturing process, the contracting authority reserves the right to visit the supplier's facilities to make inspections as deemed necessary. There will be three anticipated visits, one being a pre-build visit, second being a pre-paint & chassis inspection and third being final pre-delivery inspection. Out of pocket basic travel expenses, including items such as mileage, air fare, hotel, meals will be included in the RFP for 2 (two) persons, but excludes wages.

The defects or faults found during those visits shall be corrected at the successful bidder's expense and to the contracting authority's satisfaction.

The Township reserves the right to send an independent inspector of its choice.

17. Samples

Samples when required must be submitted strictly in accordance with instructions. If samples are requested subsequent to the opening of the bid, they shall be delivered within three (3) working days following request, unless additional time is granted. Samples must be submitted free of charge and will be returned at the bidder's expense, if so requested, provided they have not been destroyed by tests, or provided they are not required for comparison purposes.

The acceptance of samples by the Township shall be at its sole discretion and any such acceptance shall in no way be construed to imply relief of the Company from its obligations under the contract.

18. Quotation/Tender/Proposal Procedures

Quotation/Tender/Proposal will be called, received, evaluated, accepted and processed in accordance with the Township's Purchasing Policies.

19. Contract Award

The Township reserves the right to award by item, or part thereof, groups of items, or parts thereof, or all items of the bid, and to award contracts to one or more bidders submitting identical Bids as to price; to accept or reject any Bids in whole or in part; to waive irregularities and omissions. The Township also reserves the right to enter into

negotiations with the lowest compliant bidder if the price bid is over the budgeted amount of the project. Should the Township be unable to reach an agreement with the lowest compliant bidder, the Township reserves the right to enter into negotiations with the next lowest compliant bidder, or to cancel the call. If in so doing, the best interests of the Township will be served. No liability shall accrue to the Township for its decision in this regard.

The lowest or any bid may not necessarily be accepted as the Township of Douro-Dummer reserves the right to reject any or all bids. Bids shall be irrevocable for 90 days after the official closing time and the Township may at any time within that period without notice, accept a Bid whether any other Bid has been previously accepted or not.

All Bids are prepared at the sole risk and cost of the bidders. No payments shall be made to any bidder regarding the preparation and submission of Bids.

Award of this contract is subject to appropriate funding acceptable to the Township.

The Notice of Award to the successful bidder shall constitute notice of acceptance of contract. This acceptance shall be conditional on the bidder providing all documentation, security and certifications as required by the Bid Document within ten (10) working days of the date that the notice of award is placed in the mail or delivered to the bidder. The bidder to whom the contract is awarded will be notified by letter and/or email with Council's resolution.

20. Contract Cancellation

The Township shall have the right, which may be exercised from time to time to cancel any uncompleted or unperformed portion of the work or part thereof. In the event of such cancellation, the Township and the Company shall negotiate a settlement.

- a) If the Company; commits any act of bankruptcy; or if a receiver is appointed on account of its insolvency or in respect of any of its property; or if the Company makes a general assignment for the benefit of its creditors; then, in any such case, the Township may, without notice; terminate the contract.
- b) If the Company; fails to comply with any request, instruction or order of the Township; or fails to pay its accounts; or fails to comply with or persistently disregards statutes, regulations, by-laws or directives of relevant authorities relating to the work; or fails to prosecute the work with the skill and diligence; or assigns or sublets the contract or any portion thereof without the Township's written consent; or refuses to correct defective work; or is otherwise in default in carrying out its part of any of the terms, conditions and obligations of the contract, then, in any such case, the Township may, upon expiration of ten (10) days from the date of written notice to the Company, terminate the contract.

c) Any termination of the contract by the Township, as aforesaid, shall be without prejudice to any other rights or remedies the Township may have.

d) If the Township terminates the contract, it is entitled to:

- i. Take possession of all of the work in progress and finish the work by whatever means the Township may deem appropriate under the circumstances;
- ii. Withhold any further payments to the Company until its liability to the Township is ascertained;
- iii. Recover from the Company loss, damage and expense incurred by the Township by reason of the Company's default (which may be deducted from any monies due or becoming due to the Company, any balance to be paid by the Company to the Township).

The Township shall not be liable to the Company for loss of anticipated profit on the cancelled portion or portions of the work.

21. Disclosure

The names of bidders and total bid prices will be made available at the public Quotation/Tender opening. After the Quotation/Tender opening, requests may be submitted to the Township for the results, and only the names of bidders and total bid prices as read out at the Quotation/Tender opening will be given in the reply.

Request for Proposals are formally opened in public and only the name of the bidders submitting responses to the Request for Proposal will be read. Details of the proposals or any financial information will not be publicly disclosed at the opening.

22. Freedom of Information

All information obtained by the Company in connection with this bid is the property of the Township of Douro-Dummer and must be treated as confidential. It may not be used for any purpose other than for replying to this bid, and for fulfillment of any subsequent contract. Any Company who requires that the information in its bid be kept confidential must explicitly advise the Township of that fact.

The Company may declare confidentiality of their bid; however, the Township is required by law to adhere to the requirements of the Municipal Freedom of Information and Protection of Privacy Act, as amended.

Personal information contained on this bid form is collected under the authority of Section 29(2) of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c.M.56 as amended and will be used to purchase goods and/or services and for the execution of contractual documents. If you have any questions about the

collection, use or disclosure of this information by the Township of Douro-Dummer, please contact the CAO, Township of Douro-Dummer, 894 South Street, Warsaw, Ontario K0L 3A0 (705-652-8392).

23. Complaints

Any complaint on the process and procedures as outlined in the Township's Purchasing Bylaw (as amended) to define the procedures with respect to the procurement of goods and services by the Corporation of the Township of Douro-Dummer shall be in writing and shall be submitted to the David Clifford, C.A.O. for review and response.

A complaint on the process and procedures related to the award of a tender, proposal or quotation must be submitted within seven (7) working days of the date of the award.

24. Accessibility

The Township of Douro-Dummer is committed to the accessibility principles of preventing and removing barriers in accessing goods and services for people with disabilities and is bound by the Standards under the Accessibility for Ontarians with Disabilities Act, 2005 as may be amended from time to time.

Regulations enacted under the Act apply to every designated public sector organization and other third parties that provide goods and services to the members of the public.

The consultant/contractor, and all sub-contractors hired by the consultant/contractor in the completion of its work, will meet or exceed compliance with all applicable regulations under the Accessibility for Ontarians with Disabilities Act, 2005 as may be amended from time to time.

It is the consultant/contractor's responsibility to ensure they are fully aware of, and meet all requirements under the Act. A Declaration of Accessibility Compliance will be required by the successful bidder.

"Part C" Specifications

Technical Specifications

| ITEMS | DESCRIPTIONS | CONFORMITY | | SPECIFICATIONS |
|-------------------------------------|---|------------|----|----------------|
| | | YES | NO | |
| <u>CHASSIS SPECIFICATION</u> | | | | |
| 2. | <u>CAB AND CHASSIS</u> | | | |
| 2. | The vehicle chassis shall be a 2019 Ram 5500 Chassis Tradesman 4 X 4, 4 door with SXT Appearance Group. The chassis shall be put into service and operate in the country of Canada (CAN) and shall meet the regulatory requirements of the same. The entire chassis specifications shall be provided with bid. | | | |
| 2.1. | <u>GROSS VEHICLE WEIGHT RATING (GVWR)</u> | | | |
| 2.1.1. | The gross vehicle weight rating (GVWR) of the chassis shall be 19,500 pounds. | | | |
| 2.2. | <u>CAB TO AXLE (CA)</u> | | | |
| | The chassis cab to axle (CA) shall be 84". | | | |
| 2.3. | <u>DESCRIPTION</u> | | | |
| | <p><u>Powertrain</u> 360 hp 6.7 L OHV 24 valve intercooled turbo I-6 engine with direct diesel injection * Smart diesel exhaust brake * engine block heater* dual batteries with run down protection * 220 amp HD, alternator * Emissions Type: federal * 6 speed automatic transmission with overdrive, sequential sport shift, driver mode select * 4.89 axle ratio * part-time 4 wheel drive with electronic shift-on-the-fly * manual DPF regeneration * 123 km/h maximum speed * Integrated Electronic Trailer Brake Controller * Manual DPF regeneration</p> <p><u>Suspension/Handling</u> front non-independent leading link suspension with anti-roll bar, HD shocks * rear rigid axle leaf suspension with HD anti-roll bar, HD shocks * hydraulic power-assisted re-circulating ball steering * front and rear 19.5" x 6" polished forged aluminum wheels * 225/70R19.5G BSW AT front and rear tires * dual rear wheels *</p> | | | |

Off-Road Capability

min ground clearance: 206 mm (8.1") * max ground clearance: 221 mm (8.7") * approach angle: 25.4 deg * departure angle: 27.3 deg * ramp break over angle: 20.4 deg * Transfer case skid plate

Body Exterior

Flame Red body paint * 4 doors * conventional left rear passenger door * conventional right rear passenger door * driver and passenger power remote heated door mirrors * turn signal indicator in mirrors * black door mirrors * black front bumper * trailer harness * clear-coat paint * Winter front grille cover *

Convenience

manual air conditioning * speed control with steering wheel controls * power windows * driver and passenger 1-touch down * driver and passenger 1-touch up * remote power door locks with 2 stage unlock and illuminated entry * manual tilt steering wheel * passenger visor vanity mirror * driver and passenger door bins * rear door bins *

Seats and Trim

Diesel Grey/Black interior colour * Red Seat Belts * seating capacity of 6 * front Heavy Duty Vinyl 40-20-40 split-bench seat * 4-way driver seat adjustment * 4-way passenger seat adjustment * centre front armrest with storage * full folding rear bench seat * metal-look instrument panel insert *

Entertainment Features

AM/FM/Satellite-capable radio with radio data system * 6 speakers * integrated roof antenna * Voltage monitoring auto idle-up system * Rear back-up alarm * Tire pressure information system * Parkview Rear Back-up Camera

Lighting, Visibility and Instrumentation

halogen aero-composite headlights * delay-off headlights * fully automatic headlights * variable intermittent front windshield wipers * light tinted windows * front reading lights * tachometer * voltmeter * trip odometer * fog lamps

Safety and Security

4-wheel ABS brakes * 4-wheel disc brakes * stability control * ABS and driveline traction control * dual front impact airbags * airbag occupancy sensor * remote activated perimeter/approach lighting * power remote door locks with 2 stage unlock and panic alarm * ignition disable * manually adjustable front head restraints

| | | | |
|--|--|--|--|
| <p>2.4. <u>STAINLESS STEEL CAB STEPS</u></p> <p>2.4.1. The cab steps on both sides of cab shall be made of stainless steel Nerf bar style. The steps shall meet CAN/ULC-S515-13 and the first step shall be at 18” maximum from ground.</p> | | | |
| <p>2.5. <u>BOSTROM SEATS REAR PASSENGERS</u></p> <p>2.5.1. Bostrom seats with SCBA brackets for two (2) passengers shall be supplied and installed in the rear of the cab instead of original seats.</p> | | | |
| <p>2.6. <u>REAR STORAGE UNIT</u></p> <p>2.6.1. A rear storage unit made of aluminum shall be provide for medical bag, TIC charger, etc. Provide two (2) 110V connections.</p> | | | |
| <p>2.7. <u>SAFETY KIT</u></p> <p>2.7.1. Complete transportation safety kit, consisting of fire extinguisher, first and kit, and reflective traffic triangles.</p> | | | |
| <p>2.8. <u>FRONT CAB STORAGE BOX</u></p> <p>2.8.1. There shall be an aluminum storage box located between the two front seats. This storage box shall have a flat smooth hinged top (lid) and storage for books and maps in a file space below.</p> | | | |
| <p>2.9. Instrumentation and controls shall be mounted in the driving compartment and shall be identified and visible to the driver while seated as follows :</p> <ul style="list-style-type: none"> ▪ An engine hour meter is required; ▪ Air cleaner restriction gauge; ▪ Speedometer; ▪ Tachometer; ▪ Odometer; ▪ Oil pressure indicator or gauge; ▪ Coolant temperature indicator or gauge; ▪ Automatic transmission temperature indicator or gauge, if applicable; ▪ Voltmeter; ▪ Hazard indicator light; ▪ Air pressure gauge, if applicable; ▪ Turn signal control and indicator lights; ▪ Headlight/DOT light switch; ▪ High beam headlight switch and indicator; | | | |

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| <ul style="list-style-type: none"> ▪ Fuel level gauge(s); ▪ Master ignition switch; ▪ Heater/defroster controls; ▪ Warning lights and siren switches; ▪ Master electrical load switch; ▪ «Battery on» indicator light; ▪ Windshield wipers and windshield washer control; ▪ PTO-engaged indicator, if applicable; ▪ Height of vehicle sign; ▪ Pump operator panels, if applicable. | | | |
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| SECTION -3- | | | |
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| <u>PUMP SYSTEM</u> | | | |
| 3. | <u>WATEROUS PUMP CX 1050 IGPM (5000 LPM) SINGLE STAGE (no exceptions)</u> | | |
| 3.1. | The pump shall be Waterous CX mid ship type single stage. | | |
| 3.1.1. | The pump shall be of a size and design to mount on the chassis rails of commercial and have the capacity of 1050 (imp) gallons per minute, NFPA-1901 rated performance. | | |
| 3.1.2. | The pump and vehicle shall be ULC (Underwriters Laboratories of Canada) and N.F.P.A. (National Fire Protection Association) approved. The pump will be plated to 4000 LPM.(no exceptions) | | |
| 3.1.3. | The entire pump shall be assembled and tested at the pump manufacturer's factory. | | |
| 3.1.4. | The pump shift shall be pneumatically operated and shall use a standard automotive air valve to control a double-action, air-shift cylinder so that the pump shift remains in its latest position in the event air pressure loss. The in-cab control valve shall include a detent lock to prevent accidental shifting. | | |
| 3.1. | <u>PRIMING PUMP</u> | | |
| 3.1.1. | The priming pump shall be a Waterous oil-less priming system electrically driven and conform to standards outlined by the NFPA. A single pump panel mounted control will activate the priming valve and start the priming motor. (no exceptions) | | |
| 3.1. | <u>PRESSURE CONTROL MECHANISM</u> | | |
| 3.1.1. | A Fire Research Pump Boss pressure sensor governor shall be provided for the electronic engine. It shall include a remote mountable control head. The Pump Boss shall regulate the pump pressure and monitor all essential engine parameters. LED readouts shall display RPM, PSI, pump discharge and intake pressure, engine oil pressure, engine temperature and battery voltage. An audible alarm shall also be part of the system. | | |

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| <p>3.2. <u>DRAIN</u></p> <p>3.2.1. The pump shall be drained completely by a master drain located at the lowest point and operated from the pump panel.</p> | | | |
| <p>3.3. <u>AUXILIARY COOLING SYSTEM</u></p> <p>3.3.1. A heat exchanger cooling system with a control at the pump panel shall be installed so as to permit use of water from the discharge side of the fire pump to cool the liquid circulating through the engine system.</p> | | | |
| <p>3.4. <u>PUMP BYPASS</u></p> <p>3.4.1. A by-pass control shall be also installed at the pump panel to prevent pump overheating when all the outlets are closed.</p> | | | |
| <p>3.5. <u>PUMP PLUMBING</u></p> <p>3.5.1. All plumbing shall be made of stainless steel. The components like elbows, tee, flanges, etc., shall be all stainless cast products. It shall have welded sub-assemblies and join together by victaulic couplings and flanges bolted directly to the valves. No threaded type connection shall be accepted. (no exceptions)</p> | | | |
| <p>3.5.2. A “Victaulic” connection shall be used to allow flexion of the piping and to facilitate the service.</p> | | | |
| <p>3.5.3. The 2½" diameter piping or higher shall be equipped with ¾" drain with control on the side panel.</p> | | | |
| <p>3.5.4. Every 2" diameter valve and over shall have a 30° down elbow.</p> | | | |
| <p>3.5.5. All inlet and discharge shall be threaded to the customer standard.</p> | | | |
| <p>3.5.6. The 3" diameter valve and over shall be equipped with a slow close device, except the tank suction valve.</p> | | | |
| <p>3.5.7. Every control shall be identified by a colour and number code.</p> | | | |
| <p>3.6. <u>VALVE DESCRIPTION</u></p> <ul style="list-style-type: none"> ▪ Tank suction : 3" Electric Akron valve model 8630 | | | |

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| <ul style="list-style-type: none"> ▪ Tank fill : 2" Akron valve model 8820 ▪ Pump inlet : 2½" Akron valve model 8825 ▪ Pump outlet : 2½" Akron valve model 8825 ▪ 1½" pre-connects outlet : 2" Akron valve model 8820 | | | |
| <p>3.7. <u>CONNECTION BETWEEN PUMP AND WATER TANK</u></p> <p>3.7.1. The tank to pump valve shall be a 3" electric valve with built-in check valve between the pump body and tank valve. The control shall be located on the pump panel.</p> | | | |
| <p>3.7.2. The piping and valve shall allow a nominal flow of 1900 liters per minute during 80% of the tank capacity.</p> | | | |
| <p>3.7.3. One (1) 2" tank fill with control at pump panel.</p> | | | |
| <p>3.8. <u>6" SUCTION</u></p> <p>3.8.1. Two (2) NH 6" suction inlets, one each side, shall be supplied. Two (2) long handle, chrome, pressure rated suction caps with female threads shall be provided.</p> | | | |
| <p>3.9. <u>2½" SUCTION</u></p> <p>3.9.1. One (1) 2½" suction valve shall be mounted on the left side inside the pump compartment with strainer, chrome plug and chain. It shall have an integrated drain valve. The suction valve shall be controlled on the pump panel. The control shall operate vertically.</p> | | | |
| <p>3.10. <u>PRESSURE RELIEF VALVE</u></p> <p>3.10.1. An Elkhart model 40-20 adjustable automatic pressure relief valve installed on the pump and on the supply side of the valve to bleed off pressure from a connected hose to the valve intake, shall be installed on each valve intake having a connection size of 90mm (3½") or larger.</p> | | | |

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| <p>3.11. <u>2½" DISCHARGES</u></p> <p>3.11.1. Three (3) 2½" discharges ball valves shall be supplied with chrome caps and retaining chains. All discharge shall be controlled on the pump operator panel.</p> | | | |
| <p>3.11.2. All 2½" discharges valves shall be included 22.5° elbow and ¾" drains valves. Those discharges valves shall be located as specified :</p> <ul style="list-style-type: none"> ▪ One (1) 2½" on the left panel; ▪ Two (2) 2½" on the right panel. | | | |
| <p>3.12. <u>PRE-CONNECTS DISCHARGES VALVES</u></p> <p>3.12.1. One (1) 1½" pre-connect with 2" discharge valve with rotating type elbow shall be mounted on cross lay. The control shall be located on the pump panel. 2" hydraulic hose stainless steel and Victaulic couplings shall be used.</p> | | | |
| <p>3.12.2. One (1) 2½" pre-connect with 2½" discharge valve with rotating type elbow shall be mounted on cross lay. The control shall be located on the pump panel. 2½" hydraulic hose stainless steel and Victaulic couplings shall be used.</p> | | | |
| <p>3.13. <u>1600 FOAM PRO SYSTEM</u></p> <p>3.13.1. The apparatus shall be equipped with an electronic, fully automatic, variable speed, direct injection, and discharge side foam proportioning system. The system shall be capable of handling Class A foam concentrate. The foam proportioning operation shall be based on direct measurement of water flows, and remain consistent within the specified flows and pressures. System must be capable of delivering accuracy to within 5% of calibrated settings over the advertised operation range when installed according to factory standards. The system shall be equipped with a control module suitable for installation on the pump panel. Incorporated within the motor driver shall be a microprocessor that receives input from the system flowmeter, while also monitoring foam concentrate pump output. This compares values to ensure that the operator's preset is proportional to the amount of foam concentrate injected into the discharge side of the fire pump.</p> | | | |
| <p>3.13.2. A paddle wheel-type flowmeter shall be installed in the discharge system specified to be "foam capable." A simulated flow feature shall be incorporated into the motor driver to simulate an approximate flow value of 100 gpm. This feature is to be engaged</p> | | | |

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| <p>or disengaged with a momentary switch and will automatically disengage when the main system switch is turned off.</p> | | | |
| <p>3.13.3. A 12 or 24-volt electric motor driven positive displacement plunger pump shall be provided. The pump capacity shall be from 0.1 gpm (0.38 L/min) to 1.7 gpm (6.4 L/min) at 200 psi (13.8 BAR) with a maximum operating pressure up to 400 psi (27.6 BAR). The pump shall have the capability to draw 3 feet of lift. The system will draw a maximum of 30 amps @ 12 VDC or 15 amps @ 24 VDC. The motor shall be controlled by the microprocessor (mounted to the base of the pump). It shall receive signals from the control module and power the 1/3 hp (.25 Kw) electric motor in a variable speed duty cycle to ensure that the correct proportion of concentrate is injected into the water stream. A full flow check valve shall be provided in the discharge piping to prevent foam contamination of fire pump and water tank. A 12 psi (.83 BAR) opening pressure check valve shall be provided in concentrate line.</p> | | | |
| <p>3.14. <u>CONTROL MODULE</u></p> <p>3.14.1. The control module shall enable the pump operator to:</p> <ul style="list-style-type: none"> • Activate the foam proportioning system • Select proportioning rates from 0.1% to 1.0% • See a “low concentrate” warning light flash when the foam tank runs low. In two minutes, if foam concentrate is not added to the tank, shut the foam concentrate pump down. | | | |
| <p>3.15. <u>COMPONENTS</u></p> <p>3.15.1. Components of the complete proportioning system shall include:</p> <ul style="list-style-type: none"> ▪ Operator control and display ▪ Paddlewheel flowmeter(s) ▪ Pump and electric motor/motor driver ▪ Wiring harnesses ▪ Low level tank switch ▪ Foam injection check valve ▪ Main waterway check valve | | | |
| <p>3.16. <u>FOAM TANK</u></p> <p>3.16.1. One (1) 20 imp. Gallons Class A foam tank shall be recess in the water tank.</p> | | | |

| SECTION -4- | | | |
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| <u>PUMP OPERATOR PANEL</u> | | | |
| 4. | The pump operator panel shall be located on the left side of the vehicle. | | |
| 4.1. | The pump operator panel and the right panel shall be made of 14 gauge polished stainless steel. | | |
| 4.2. | The pump operator panel shall be made in two sections. All sections shall be bolted on the pump compartment to allow the easy removal. The superior section shall be vertically hinged with two (2) latches in order to facilitate the service. | | |
| 4.3. | All manometers shall be resistant to the corrosion and shall be silicon fill. They shall be double graduated and shall have a colour coded identification plate. | | |
| 4.4. | All inlets and outlets shall have a removable stainless steel trim plate bolted to the main panel in order to allow the easy removal of the valves for maintenance. A finishing rubber shall be installed between the trim plate and the panel for appearance and heat retention for cold temperature. | | |
| 4.5. | <p>The pump operator panel shall include the following controls and gauges.</p> <ul style="list-style-type: none"> ▪ One (1) Fire Research model Pump Boss pressure governor control; ▪ One (1) Fire Research #WLA300-A water level electric indicator; ▪ One (1) Fire Research #WLA360-A Class A foam level electric indicator; ▪ One (1) pressure and one (1) vacuum test plug; ▪ One (1) engine auxiliary cooler valve; ▪ One (1) pump engagement indicator light; ▪ One (1) primer control; ▪ One (1) pump to tank by-pass valve; ▪ One (1) drain at every location needed to assure a complete drainage (all the drains shall be located in the bottom of the side panel); ▪ One (1) 4½" dual scale silicone pressure gauge -30 @ 0 @ 400 PSI, -100 @ 0 @ 2800 KPA; | | |

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| <ul style="list-style-type: none"> ▪ One (1) 4½" dual scale silicone vacuum gauge -30 @ 0 @ 400 PSI, -100 @ 0 @ 2800 KPA; ▪ One (1) 2½" dual scale silicone pressure gauge 0 @ 400 PSI, 0 @ 2800 KPA for each discharge; ▪ One (1) tank fill control; ▪ One (1) tank suction control; ▪ One (1) switch for lights on control panel and right panel; ▪ One (1) pump compartment heater fan switch; ▪ One (1) rotative master drain; ▪ One (1) ULC acceptance plate. | | | |
| <p>4.6. Each suction and inlet shall be equipped with a ¾" drain ¼ turn. The drains shall be identified on the handle aligned in the bottom of the control panel. All drains controls shall be identified by a number and a colour code.</p> | | | |
| <p>SECTION -5-</p> <p><u>PUMP COMPARTMENT</u></p> | | | |
| <p>5. The pump compartment shall be detached from the rear body in order to avoid body torsion.</p> | | | |
| <p>5.1. The pump compartment, pump operator panel and pump shall be made in integrated module to allow the easy removal if needed.</p> | | | |
| <p>5.2. There shall be lifting hooks incorporated in the module.</p> | | | |
| <p>5.3. The exterior panel shall be made of aluminum 5052H32, 3/16" thick and thread plate 3003-H22.</p> | | | |
| <p>5.4. The frame of the pump compartment shall be made of aluminum extrusion 6061-T6 of 3" x 3" and 3" x 1½" with slot for aluminum sheet insertion.</p> | | | |
| <p>5.5. A rubber shall be installed on the rear perimeter of the pump compartment in order to fill the space with the body.</p> | | | |
| <p>5.6. The pump and pump compartment shall be maintained on the truck frame by rubber supports in order to reduce vibration and torsion stress.</p> | | | |
| <p>5.7. All air and water tubes for the components (gauges, primer, inlets, outlets, etc.) shall be colour coded for an easy servicing.</p> | | | |

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| <p>5.8. <u>PLUMBING AND PUMP ACCESS</u></p> <p>5.8.1. There shall be on each side a full width door with 18" high opening to give an opening for pump access. There shall be an overlap 14ga. polished stainless steel door with two (2) compression locks.</p> | | | |
| <p>5.9. <u>TRANSVERSE PRE-CONNECTS</u></p> <p>5.9.1. Two transversal pre-connects shall be installed over the pump compartment. Section of the cross lay shall hold 200' of 1¾" and 200' of 2½" double jacket hose.</p> | | | |
| <p>5.9.2. Each cross lay shall be equipped with a swivel hose connector to allow the use of each cross lay in either direction.</p> | | | |
| <p>5.9.3. Each sides of the cross lay shall be equipped with a 1¼" diameter stainless steel rollers, one (1) horizontal and (2) two vertical in order to facilitate the hose unloading. and vinyl tarps to close ends fastened to covers</p> | | | |
| <p>5.9.4. An N.F.P.A. aluminum approved thread plate 3003-H22 step shall be installed on each side and bolted to the compartment. A nylon washer shall leave a gap between the pump compartment and the step.</p> | | | |
| <p>5.10. <u>PUMP HEATER</u></p> <p>5.10.1. One (1) 22673 B.T.U. heater shall be installed in the pump compartment. The control for the heater shall be located on the control panel.</p> | | | |
| <p>5.10.2. One (1) aluminum heat pan shall be installed under the pump compartment. It shall have two easily removable panels.</p> | | | |
| <p>5.10.3. The heat pan shall be closely cut around the following accessories: exhaust system, drive shaft, air tank, etc. It shall close 90% of the open area.</p> | | | |

| SECTION -6- | | | |
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| <u>ALUMINUM BODY</u> | | | |
| 6. GENERAL | | | |
| 6.1.1. The apparatus body shall be constructed in order to meet federal, provincial laws and CAN/ULC-S515-13 standard. | | | |
| 6.1.2. The bidders shall be approved by the Canadian Welding Bureau for aluminum W 47.2 and steel W47.1. | | | |
| 6.1.3. The angle of departure shall have a minimum 12° when the vehicle is normally loaded. | | | |
| 6.2. CONSTRUCTION BODY | | | |
| 6.2.1. The body shall be made of aluminum sheet and extrusion. It shall be modular type. | | | |
| 6.2.2. The aluminum sheet shall be 5052H32 type for a better corrosion resistance. The aluminum tread plate shall be 3003-H22. | | | |
| 6.2.3. The main panel shall be made of 3/16" thick aluminum and 1/8" for compartment dividers. | | | |
| 6.2.4. The top and side of main panel shall be made of 3" x 3" x 3/16" extrusion with slot for the insertion of sheet. | | | |
| 6.2.5. The aluminum body shall be fully welded on all the outside joints to eliminate water and salt retention. | | | |
| 6.2.6. When completed the compartments shall form an integrated body fully welded and sealed. | | | |
| 6.2.7. The top of the compartment shall be covered with 3003-H22 aluminum tread plate. | | | |
| 6.2.8. The body cross member shall be made of extruded aluminum 6061 T6 3" x 3" x ¼". They shall seat on aluminum flat bar 3" X ¾". | | | |

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| 6.2.9. Each cross member shall be welded to the back of the compartment. The cross member each side of the rear wheel shall be the full width of the body. | | | |
| 6.2.10. For a good stress distribution, two cross member shall be side by side at the front of the body and one fully welded on the overall width of the rear of the body and supported by the end of the frame rail. | | | |
| 6.2.11. The space between the cross member shall be according the tank manufacturer requirements. | | | |
| 6.3. <u>SIDES FENDERS AND LINERS</u> | | | |
| 6.3.1. The body sides fenders shall be painted to match the body and stainless steel fenders shall be provided in wheel openings | | | |
| 6.3.2. A removable 1/8" aluminum liner shall be installed around the rear wheels to protect the body. | | | |
| 6.4. <u>COMPARTMENT VENTILATION</u> | | | |
| 6.4.1. A vent shall be embossed directly through the back wall of each compartment. | | | |
| 6.5. <u>REAR STEP</u> | | | |
| 6.5.1. The 8" deep rear step shall be made of aluminum tread plate. It shall be bolted to the main body. A nylon washer of 1/4" thick shall leave a gap between the body and the step. | | | |
| 6.6. <u>HOSE BED COMPARTMENT</u> | | | |
| 6.6.1. Three (3) hose bed compartments shall be installed over the water tank. | | | |
| 6.6.2. Two (2) adjustable hose bed dividers made of 3/16" aluminum shall be installed in the rear hose bed. The divider shall have an extruded track-slide to allow adjustment for different hose capacities. The rear of the divider shall have a cut-out handle. | | | |

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| <p>6.7. <u>COMPARTMENT FOR RESCUE BASKET, PIKE POLES AND ATTIC LADDER</u></p> <p>6.7.1. There shall be one (1) enclosed compartment in the hose bed compartment for the storage of one (1) rescue basket, one (1) 8' attic ladder and two (2) pike poles.</p> | | | |
| <p>6.8. <u>BODY INSTALLATION</u></p> <p>6.8.1. An aluminum 6061-T6, 3" x 3/4" flat bar shall be installed over the overall length of the frame. The body cross member shall be welded to it.</p> | | | |
| <p>6.8.2. The body shall be attached to the truck frame through a « U » bolt system. Springs shall be used to reduce torsional stress on the body. Side to side stopper shall be welded to the cross member to maintain alignment of the body.</p> | | | |
| <p>6.8.3. A rubber slat shall be installed between the frame and the flat bar.</p> | | | |
| <p>6.9. <u>RUB RAILS</u></p> <p>6.9.1. A “U” rub rail made of aluminum anodised extrusion 6061 T6 shall be installed each side of the body.</p> | | | |
| <p>6.9.2. A nylon washer shall leave a gap with the body in order to eliminate salt and water retention.</p> | | | |
| <p>6.9.3. A reflective white stripe and clearance position light shall be installed in the rub rails.</p> | | | |
| <p>SECTION -7-</p> <p><u>AMDOR ROLL-UP AND OVERLAP DOORS</u></p> | | | |
| <p>7.1. Compartment doors (L1-L2-L3-R1-R2-R3) shall be equipped with Amdor brand roll-up doors complete with the following features;</p> <ul style="list-style-type: none"> ▪ 1" aluminum double wall slats with continuous ball & socket hinge joint and recessed dual durometer slat seal; ▪ Double wall reinforced bottom panel with stainless steel lift bar latching system; ▪ Bottom panel flange with cut-outs for ease of access with gloved hands; | | | |

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| <ul style="list-style-type: none"> ▪ Reusable slat shoes with positive snap-lock securement; ▪ Smooth interior door curtain to prevent equipment hang-ups; ▪ Once-piece aluminum door track / side frame; ▪ Top gutter with non-marring seal; ▪ Non-marring recessed side seals with UV stabilizers to prevent warpage; ▪ Dual leg bottom seal, with all wear component material to be Type 6 Nylon. | | | |
| <p>8. The (RR1) rear compartment door shall be an overlap box type door.</p> | | | |
| <p>8.1. The overlap box type doors shall be made off 5052H32 aluminum panel red painted.</p> | | | |
| <p>8.2. A ventilation hole located at the bottom of the reinforcement will prevent condensation and eliminate water in case of infiltration.</p> | | | |
| <p>8.3. Each overlap type door shall have one isolated stainless “D” ring handle. Rubber isolation shall be installed between the handle and the door.</p> | | | |
| <p>8.4. Each overlap type door shall be bolted to the body by using a stainless steel piano hinge. Each door shall be assembled with stainless steel nuts and bolts.</p> | | | |
| <p>8.5. Each overlap type of door will have a rubber isolation shall be installed full length on the hinge between the door and the hinge and between the hinge and the rubber.</p> | | | |
| <p>8.6. The sealing of the door shall be assured by using one high quality open center moulding, on entire opening of the door. Appropriate caulking will be used to prevent infiltration between hinge, body, and door.</p> | | | |
| <p>8.7. The door will be equipped with two (2) gas cylinders to permit to hold the door in the open position.</p> | | | |
| <p>8.8. <u>AMDOR LUMA BAR COMPARTMENT LIGHTING</u></p> | | | |
| <p>8.8.1. All compartment lighting will be comprised of the Amdor Luma Bar LED system without exception or substitution. The Amdor Luma Bar system utilized will include the following key features:</p> | | | |

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| <ul style="list-style-type: none"> ▪ Wide angle 120° surface mount LED installed on a printed circuit board for shock and vibration resistance; ▪ Lighting will be enclosed within a high impact polycarbonate enclosure; ▪ Output will exceed NFPA 1901 compartment lighting standard; ▪ Draw not to exceed 130 mA per foot /forward voltage of 20mA per LED; ▪ 21" boards will be connected in series using a high grade Molex connector; ▪ Lighting system will include the patented ability to aim the printed circuit board for differing applications and compartments layouts; ▪ System will provide the option to utilize an extruded aluminum retainer for installation. | | | |
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| 8.9. A 30 amp. magnetic switch two contacts shall be used for lights control. | | | |
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**SECTION -8-
COMPARTMENTS**

The following compartments shall be provided;

| Location | Qty | Openings Dimensions | | | Conformity | | Specifications |
|-------------------------|---------|---------------------|--------|-------|------------|----|----------------|
| | | Width | Height | Depth | Yes | No | |
| Left side | | | | | | | |
| Ahead of the rear wheel | 1 (L1) | 24" | 56" | 22" | | | |
| Above the rear wheel | 1 (L2) | 46" | 37" | 22" | | | |
| Behind the rear wheel | 1 (L3) | 18" | 56" | 22" | | | |
| Right side | | | | | | | |
| Ahead of the rear wheel | 1 (R1) | 24" | 56" | 22" | | | |
| Above the rear wheel | 1 (R2) | 46" | 37" | 22" | | | |
| Behind the rear wheel | 1 (R3) | 18" | 56" | 22" | | | |
| At rear | | | | | | | |
| | 1 (RR1) | 50" | 22" | 22" | | | |

SECTION -9-

ACCESSORIES AND BRACKETS

9.1. BRACKETS FOR EQUIPMENTS

- One (1) manual tilting support for 16'-2 sections and 10' roof ladders above the top of the right side compartment;
- Two (2) suction hose supports for 6" x 10' above the top of the left side compartment;
- Two (2) supports KDUN6 for breathing apparatus installed in the (2 x R1) compartments.
- Two (2) axes supports.

9.2. ADJUSTABLE SHELVES

9.2.1. The shelf will be bolted to an aluminum track which will permit the up and down adjustment. Each compartment shall have an aluminum track.

| Qty | Location |
|-----|-------------------------------------|
| 8 | 2x (L1) 1x(L2) 2x(L3) 1x(R1) 2x(R3) |

9.3. TOOL BOARD

9.3.1. The vertically tool board will be able to support a minimum weight of 250 lbs. It shall have an open and close holding device.

| Qty | Location |
|-----|----------|
| 1 | 1x (L2) |

SECTION -10-

WATER TANK 250 G.I. (T) SHAPE

10. CONSTRUCTION

10.1.1. The tank shall be made of polypropylene. It shall have a capacity of 250 Imperial Gallon and conform to CAN/ULC-S515-13. A life time warranty shall be supplied by the tank manufacturer. A copy of the warranty shall be provided with the document bid. (no exceptions)

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| 10.1.2. | The tank will be constructed of ½" thick none-corrosive stress relieved copolymer polypropylene thermoplastic. | | | |
| 10.1.3. | The tank shall be so designed to be completely independent of the unit body and compartments. | | | |
| 10.1.4. | All transverse swash partition shall be fabricated of 3/8" thick copolymer polypropylene minimum and shall extend to just under the cover. The longitudinal swash partition shall be fabricated 3/8" thick copolymer polypropylene minimum and shall extend from the floor of the tank through the cover. | | | |
| 10.1.5. | In cases where overall height of the tank exceeds 40", reinforcement shall be installed on tank bottom to allow for more positive welding and provide greater strength. | | | |
| 10.1.6. | All swash partitions shall be designed in such a manner as to reducing the water surge to a minimum for greater vehicle stability while still providing maximum air and water flow throughout the tank. | | | |
| 10.1.7. | All swash partition shall inter lock with one another and shall be welded to the walls of the tank as well as to each other as per CAN/ULC-S515-13. All joints and seams shall be nitrogen welded and shall undergo a high frequency voltage testing during fabrication of the tank. | | | |
| 10.1.8. | All tank fill coupling shall be equipped with a flow deflector to break up the stream of water entering the tank capable of withstanding sustained fill rate up to 3750 L.P.M. | | | |
| 10.2. | <u>FILL TOWER</u> | | | |
| 10.2.1. | The tank shall be equipped with a manual fill tower combined with vent and ¼" polypropylene removable screen. | | | |
| 10.2.2. | The fill tower shall be constructed of ½" copolymer polypropylene with minimum dimension of 10" x 14" and shall have a hinged type cover. Inside the fill tower approximately haft way from the top shall be fastened a vent overflow pipe. | | | |
| 10.2.3. | The vent overflow pipe shall be a minimum 4" polypropylene designed to run through the water tank and discharge behind the rear axle. | | | |

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| 10.2.4. | The fill tower shall be located in the front left corner of the tank. | | |
| 10.3. | <u>TANK COVER</u> | | |
| 10.3.1. | Standard tank cover shall be fabricated of ½" copolymer polypropylene in three pieces recessed 3/8" from the top of the tank. | | |
| 10.3.2. | All covers shall be welded to both the outer walls and longitudinal partitions for maximum integrity. Copolymer polypropylene solid stock shall be installed through each cover and shall serve as both anchorage location for lifting eyes and reinforcing the rigidity of the cover under fast filling conditions. The floor of the hose body compartments shall have 200lb/ft ² capacity. | | |
| 10.4. | <u>SUMP BOX</u> | | |
| 10.4.1. | The tank shall have one (1) sump and shall be constructed of ½" copolymer polypropylene and be located in the left front quarter of the tank. A anti swirl plate shall be installed on all tanks approximately 2" above the sump box. | | |
| 10.4.2. | The sump box shall have a 3" N.P.T. threaded outlet on the bottom and shall be used as a combination clean-out and drain. | | |
| 10.5. | <u>MOUNTING</u> | | |
| 10.5.1. | The tank shall rest on the body cross members and may require additional support so as not to allow for more than 520 square inches of unsupported area of the tank floor, and in cases where the tank height exceed 38" the unsupported area of the tank floor shall be reduced to not more than 390 square inches. The tank must be completely isolated from the supporting cross members with the use of rubber strips with minimum thickness and width dimension of ¼" x 2" and a minimum Rockwell Hardness of 60 durometer. | | |
| 10.6. | <u>TANK ATTACHMENT</u> | | |
| 10.6.1. | The tank shall be attached by a flexible system to allow frame torsion. | | |

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| 10.7. | <u>TANK DRAIN</u> | | | |
| 10.7.1. | A 3" opening shall be installed on the sump for tank clean-up | | | |
| SECTION -11- | | | | |
| <u>PAINT</u> | | | | |
| 11. | <u>DESCRIPTION</u> | | | |
| 11.1. | Automotive high quality paint shall be used. | | | |
| 9.1.1. | The vehicle shall be red paint one tone as per the customer standard colour. | | | |
| 11.2. | All the accessories shall be installed, adjusted and removed before the paint is applied. All components shall be painted separately to ensure complete paint application for corrosion protection. | | | |
| 11.3. | The body shall be grinded, sanded, cleaned before the first protection coat. | | | |
| 11.4. | The inside of the compartment and the door shall be coated with a high scratch resistant Zolatone product. This product shall have a four step application; sanding and cleaning, base coat, monochrome coat and the camouflage coat to hide potential scratches. | | | |
| 11.5. | One pint of touch up paint shall be provided. | | | |
| 11.6. | <u>STRIPES AND LETTERING</u> | | | |
| 11.6.1. | The lettering of the vehicle doors should be done according to the instruction of the fire chief. The logo will be provided by the Township. | | | |
| 11.6.2. | A 4" and 1" Scotch Lite reflective white stripe shall be installed around the vehicle. | | | |
| 12. | <u>CHEVRONS</u> | | | |
| 12.1. | The rear body back wall shall be constructed of material to facilitate the application of chevron striping. Chevron striping to be applied, color scheme to be discussed at pre construction. | | | |

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| SECTION -12- | | | |
| <u>ELECTRICAL SYSTEM</u> | | | |
| 12. | <u>GENERAL</u> | | |
| 12.1. | All electrical equipment shall be conformed to modern automotive practice. C.M.V.S.S. (Canada Motor Vehicle Safety Standards) and CAN/ULC-S515-13. | | |
| 12.1.1. | Warning devices signalling the call for the right-of-way or stopping shall be conformed to CAN/ULC-S515-13. | | |
| 12.1.2. | The apparatus shall be equipped with a standard 12V electrical system which includes electrical boxes, breakers and relays. | | |
| 12.1.3. | All electrical components shall be water resistant and shall be designed to operate in heavy moisture conditions. | | |
| 12.1.4. | All 12 Volts electrical wire shall be GXL automotive type. | | |
| 12.1.5. | All wiring connections shall be made with GM type connectors. A dielectrically grease shall be applied on each connector to protect from moisture and corrosion. | | |
| 12.1.6. | A thermo retractable sleeve shall be used on each wire to wire connection. | | |
| 12.1.7. | All wiring shall be thoroughly secured, suitably supported and protected with loom against heat, oil and physical injury. | | |
| 12.1.8. | A rubber grommet shall be used to protect any electrical wire passing through the body wall. | | |
| 12.1.9. | All wires shall be colour and number coded. Also the function of each wire shall be printed every 6". | | |
| 12.1.10. | A cut-off switch shall be installed in the cab. The cut-off shall be connected directly on the batteries. Green "battery on" pilot light visible from driver's position required. | | |

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| 12.2. | <u>MULTIPLEX SYSTEM</u> | | | |
| 12.2.1. | The electrical system shall be Class 1, Weldon V-Mux multiplex, Or approved equivalent. | | | |
| 12.2.2. | The multiplex electrical system shall be installed on the vehicle as per the manufacturer's instructions. | | | |
| 12.2.3. | The bidder shall supply the Multiplex operation literature with the bid. | | | |
| 12.2.4. | A Multiplex training certificate shall be supplied by the applicable Company. Also the bidder shall supply a customer's list (50 vehicles minimum) using this multiplex system. | | | |
| 12.2.5. | The multiplex electrical system shall include four (4) « input/output » nodes minimum. There shall be located in order to minimize the length of the electrical harness. | | | |
| 12.2.6. | The system shall include a diagnostic software connection in proximity of the driver. | | | |
| 12.3. | <u>CAB CONSOL CONTROL</u> | | | |
| 12.3.1. | The cab console control panel shall include: <ul style="list-style-type: none"> ▪ Master switch to engage simultaneous all emergency lights; ▪ Switch for upper warning level; ▪ Switch for lower warning level; ▪ Switch for Wig-Wag; ▪ Switch for scene light. | | | |
| 12.4. | <u>REAR VIEW CAMERA</u> | | | |
| 12.4.1. | A FRC rear view camera with bracket shall be installed at the rear of the vehicle. | | | |
| 12.5. | <u>SIREN AND SPEAKER</u> | | | |
| 12.5.1. | One (1) Federal PA300 MSC electronic siren shall be installed in the cab and 100 watts Federal DynaMax / ES 100 waterproof speaker shall be mounted behind the front bumper. | | | |

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| <p>12.6. <u>DO NOT MOVE APPARATUS WARNING</u></p> <p>12.6.1. A flashing red light and an audible alarm shall be programmed into the Multiplex system which shall sound when a door is open, the park is released and the vehicle is shifted into gear. The light and alarm shall be interlocked for activation when a cab door is not firmly closed, an apparatus cabinet door is not closed and the park is released.</p> | | | |
| <p>12.7. <u>BACKUP ALARM</u></p> <p>12.7.1. An electronic audible back-up alarm shall be provided and activated when the truck is shifted to the reverse gear position.</p> | | | |
| <p>12.8. <u>LIGHTBAR</u></p> <p>12.8.1. One (1) Whelen model Freedom F4N2VLED 55" lightbar shall be mounted on the chassis cab roof.</p> | | | |
| <p>12.9. <u>FRONT WARNING LIGHTS</u></p> <p>12.9.1. Two (2) Whelen C6 LED, one blue, one red warning lights within a chrome bezel shall be mounted on the fascia of the cab.</p> | | | |
| <p>12.10. <u>INTERSECTION WARNING LIGHTS</u></p> <p>12.10.1. Four (4) Whelen ION-T LED red warning lights within a chrome bezel shall be mounted, one (1) on each front side of the cab and one (1) on each side in the wheel well of the vehicle.</p> | | | |
| <p>12.10.2. Four (4) Whelen ION-T LED red warning lights within a chrome bezel shall be mounted vertically, two (2) on each rear side of the body.</p> | | | |
| <p>12.11. <u>REAR WARNING LIGHTS</u></p> <p>12.11.1. Two (2) Whelen C6 LED one blue on R.R. and one red on L.R. warning lights within a chrome bezel shall be mounted at rear of the vehicle.</p> | | | |
| <p>12.12. <u>HEADLIGHTS</u></p> <p>12.12.1. The cab front shall include (2) rectangular halogen headlamps with "Daytime Running" light feature.</p> | | | |

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| <p>12.13. <u>HEADLIGHT FLASHER</u></p> <p>12.13.1. An alternating high beam headlamp flashing system shall be installed into the high beam headlamp circuit which shall allow the high beams to flash alternately from left to right. Deliberate operator selection of high beams will override the flashing function until low beams are again selected. Per NFPA, these clear flashing lights will also be disabled “On Scene” when the park is applied. The flashing headlights shall be activated through a virtual button on the MUX display.</p> | | | |
| <p>12.14. <u>TURN SIGNALS</u></p> <p>12.14.1. The turn signals shall be according to the chassis manufacturer standard.</p> | | | |
| <p>12.15. <u>CLEARANCE AND IDENTIFICATION LIGHTS</u></p> <p>12.15.1. The roads lights shall conform to the C.M.V.S.S. regulations.</p> <p>On front: (Supplied with the chassis)</p> <ul style="list-style-type: none"> ▪ Three (3) identification lights; ▪ Two (2) clearance lights; <p>On side:</p> <ul style="list-style-type: none"> ▪ Two (2) red clearance lights Grote 47092 LED; ▪ Two (2) red reflectors; ▪ Two (2) amber clearance lights Grote 47093 LED; ▪ Two (2) amber reflectors. <p>On rear:</p> <ul style="list-style-type: none"> ▪ Three (3) red identification lights Grote 47092 LED; ▪ Two (2) red clearance lights Grote 47092 LED; ▪ Two (2) red reflectors; ▪ One (1) LED light for licence plate. | | | |
| <p>12.16. <u>REAR ROAD LIGHTS</u></p> <p>12.16.1. The roads lights shall be conform to the CMVSS regulations. All the lights shall be installed in a triple aluminum casting.</p> <ul style="list-style-type: none"> ▪ Two (2) Whelen C6 LED turn signal with arrow directional lights shall be mounted at rear of the apparatus. ▪ Two (2) Whelen C6 LED brake/tail/turn lights shall be mounted at rear of the apparatus. | | | |

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| <ul style="list-style-type: none"> ▪ Two (2) Whelen C6 LED back-up lights shall be provided at rear of the apparatus. They should be activated when truck is shifted into reverse. | | | |
| <p>12.17. <u>SCENE LIGHTING</u></p> <p>12.17.1. Two (2) scene lights Whelen model PELCC shall be installed at rear of the vehicle. The light shall be activated when the vehicle is put into reverse</p> | | | |
| <p>12.18. <u>ENGINE COMPARTMENT LIGHT</u></p> <p>12.18.1. Two (2) Led lights shall be located inside the engine hood.</p> | | | |
| <p>12.19. <u>PUMP COMPARTMENT LIGHT</u></p> <p>12.19.1. Two (2) Led lights shall be located on each side inside the pump compartment. The switch shall be on the pump operator panel.</p> | | | |
| <p>12.20. <u>PUMP PANEL LIGHTS</u></p> <p>12.20.1. A full horizontal LED Lumabar strip light shall be installed under transversal, right and left lampshades of the pump panels. It shall be activated from a switch located at the pump operator panel.</p> | | | |
| <p>12.21. <u>GROUND LIGHTS AND CAB STEP LIGHT</u></p> <p>12.21.1. A Lumabar H20 ground light and cab step light shall be supplied at the following location:</p> <ul style="list-style-type: none"> ▪ One (1) mounted above the step located under each cab door which shall activate with the opening of the respective door; ▪ One (1) mounted under each cab step which shall be activated with the opening of the respective door; ▪ One (1) mounted under each pump compartment step; ▪ Two (2) mounted under the step at the rear of the vehicle; <p>The lights shall be activated automatically when the park is applied and the chassis clearance lights are on.</p> | | | |

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| <p>12.22. <u>HOSE BED LIGHTS</u></p> <p>12.22.1. Three (3) Sobrite Led Trapezoid SRA110-07C shall be supplied for the lighting of the hose bed. The location shall discussed at the pre-construction meeting.</p> | | | |
| <p>12.23. <u>BATTERY CHARGER, COMPRESSOR AND AUTO-EJECTS</u></p> <p>12.23.1. One (1) Kussmaul Auto Charge 1200 Remote, one (1) Auto Pump 12 Volts air compressor and one (1) Super Auto-Eject 20 amp. shall be mounted on the vehicle. The Super Auto-Eject and remote bar graph shall be installed at proximity of the door. An air tank shall be supplied on the vehicle.</p> | | | |
| <p>SECTION -13-</p> <p><u>FINISHING</u></p> | | | |
| <p>13.1.1. <u>FOLDING STEPS</u></p> <p>13.1.2. Six (6) folding steps with LED light incorporated shall be installed at rear of the vehicle in order to facilitate the access to the main hose bed.</p> | | | |
| <p>13.2. <u>PLASTIC FLOORING</u></p> <p>13.2.1. ¾" thickness plastic flooring shall be installed on the bottom of each compartment, shelf, and sliding tray.</p> | | | |
| <p>13.2.2. ¾" thickness plastic flooring shall be installed on the main and transverse hose beds floors.</p> | | | |
| <p>13.3. <u>HOSE BED COVERS</u></p> <p>13.3.1. Two (2) vinyl tarpaulins shall be installed over the main hose bed and the transverse hose bed. The attachments of the tarpaulin shall be with Velcro. The main hose bed tarpaulin shall have a vertical section closing the rear hose bed opening. The velcro on the body shall be attached to a series of aluminum plates of 12" to be able to squeeze the velcro between the body and the plate to better hold the velcro.</p> | | | |

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| <p>13.4. <u>REAR TOW HOOK</u></p> <p>13.4.1. A rear chromed tow hook shall be provided at rear of the vehicle.</p> | | | |
| <p>13.5. <u>HANDRAILS</u></p> <p>13.5.1. Four (4) vertical aluminum handrails with chrome supports shall be installed at the rear of the unit.</p> | | | |
| <p>13.6. <u>MUDGUARD</u></p> <p>13.6.1. A mudguard shall be located at rear of the front and rear wheels.</p> | | | |
| <p>13.7. <u>CORROSION PROTECTION</u></p> <p>13.7.1. The accessories shall be installed on the vehicle with a special precaution against corrosion.</p> | | | |
| <p>13.7.2. The compartment doors shall be installed, adjusted and well sealed to prevent entry of water and dust.</p> | | | |
| <p>13.7.3. An isolation product shall be installed wherever two different material are in contact. A nylon washer shall be used with stainless steel screw.</p> | | | |
| <p>13.7.4. The complete undercarriage, wheel well, liner and from the inside bottom of the body up to the top of the tank shall be treated with a rubber guard coating.</p> | | | |
| <p>SECTION –14-</p> <p><u>TESTS AND APPROVALS</u></p> | | | |
| <p>14. The vehicle shall be constructed following ULC/CAN-S515-13 latest edition.</p> | | | |
| <p>14.1. The U.L.C. inspector and all cost related to the test shall be paid by the manufacturer.</p> | | | |
| <p>14.2. The U.L.C. label shall be installed on the pump panel after approval. (no exceptions)</p> | | | |

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| <p>14.3. The following manuals shall be supplied when the truck will be delivered:</p> <ul style="list-style-type: none"> ▪ Two (2) truck driver’s manuals; ▪ Two (2) truck maintenance manuals. | | | |
| <p>14.4. The following information shall be supplied on two (2) USB Sticks when the truck will be delivered:</p> <ul style="list-style-type: none"> ▪ Two (2) pump operation manuals; ▪ Two (2) pump maintenance and parts manuals; ▪ Two (2) electrical diagrams; ▪ Two (2) technical manuals of all the components. | | | |
| <p>SECTION -15-</p> <p><u>EQUIPMENTS</u></p> | | | |
| <p>15. The following equipment shall be supplied and installed on the vehicle:</p> <ul style="list-style-type: none"> ▪ Two (2) non painted 6” NH suction hoses for main suction of the pump; ▪ One (1) Fiberglass 6’ pike pole; ▪ One (1) Fiberglass 8’ pike pole; ▪ Two (2) Zico SAC-44-E folding wheel chocks with Zico SQCH-44-H supports shall be installed behind rear wheels; ▪ 6” TFT MIV Ball Intake high-flo JumboValve. Manual control and swivel fitting with 6”NH Threads. | | | |
| <p>15.1. <u>Additional equipment requested by CAN/ULC-S515-13:</u></p> <p><u>Note: The price does not include the equipment listed in the new CAN/ULC-S515-13.</u></p> | | | |
| <p>SECTION -16-</p> <p><u>PERMANENT NAME AND INFORMATION PLATE</u></p> | | | |
| <p>16. A plate shall show the height of the completed fire fighting apparatus in metres, the length of the completed fire fighting apparatus in metres, and GVWR in kilograms. <u>(no exceptions)</u></p> | | | |

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| <p>16.1. A plate, which is permanently affixed in the driving compartment shall provide the quantity and type of the following fluids used in the vehicle; (no exceptions)</p> <ul style="list-style-type: none"> ▪ Engine oil ▪ Engine coolant ▪ Chassis transmission fluid ▪ Drive axle(s) lubrication fluid ▪ Air conditioning refrigerant ▪ Air conditioning lubrication oil ▪ Power steering fluid ▪ Cab tilt mechanism fluid ▪ Transfer case fluid ▪ Equipment rack fluid ▪ Air compressor system lubricant ▪ Generator system lubricant ▪ Front tire cold pressure ▪ Rear tire cold pressure | | | |
| <p>16.2. A label shall be mounted on the tank fill opening indicating the type of fuel to be used. (no exceptions)</p> | | | |
| <p>16.3. Hazard light sign required that reads: (no exceptions)</p> <p>«DO NOT MOVE APPARATUS WHEN LIGHT IS ON. »</p> | | | |
| <p>16.4. A warning label shall be located on the vehicle at the rear step areas and at any cross walkways to prohibit riding in or on these areas while the vehicle is in motion. (no exceptions)</p> | | | |

"Part D" Bid Form

The Corporation of the Township of Douro-Dummer
894 South Street
Warsaw, Ontario K0L 3A0

Supply and Delivery of 1 (one) Fire Apparatus Mini-Pumper

Documents to be included in this Bid Form;

- One (1) Original and One (1) Copy of the Complete Bid Document Signed and Sealed
- A 10% bid bond and a letter of intent stating that a performance bond equal to 50% of the value of the contract shall be issued **if** the contract is awarded to the bidder;
- Proof of public liability and product liability insurance for a minimum amount of \$2,000,000;
- A company resolution authorizing a duly authorized representative to sign the bid;
- A Underwriters' Laboratories of Canada (U.L.C.) certificate;
- A Canada Motor Vehicle Safety Standards (C.M.V.S.S.) certificate;
- A Canadian Welding Bureau certificate for aluminum certifying that the bidder complies with the CSA W47.2;
- A Canadian Welding Bureau certificate for steel certifying that the bidder complies with the CSA W47.1;
- The lifetime warranty supplied by the tank manufacturer;
- The bidder shall include with the bid a written document confirming the warranties offered to the contracting authority to cover the vehicle, including components and equipment. This document shall contain all the required information regarding the nature, scope, length and terms of these warranties.

- A general plan (left side, right side, back) bearing the signature, the number, and the seal of an engineer having at least five years of experience in the manufacturing of fire trucks;
- An example of the electrical diagram will be provided at the delivery of the vehicle;
- A sample of the electrical wiring with colour codes, functions and numbers;
- Manufacturer shall be a member of the Fire Apparatus Manufacturer Association (FAMA) and should provide a copy of the certificate.

Bidders Information Form

Bidders must complete this form and include with the Bid Submission
Please ensure all information is legible.

| | |
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| 1. Company Name | |
| 2. Respondent's Main Contact Individual | |
| 3. Complete Mailing Address | |
| 4. Office Phone # | |
| 5. Toll Free # | |
| 6. Fax # | |
| 7. e-mail address | |
| 8. HST Account # | |

Acknowledgement To Receipt Of Addenda

This will acknowledge receipt of the following addenda and, that the pricing quoted includes the provision set out in such addendum(s)

| Addendum # | Date Received |
|-------------------|----------------------|
| # _____ | _____ |
| # _____ | _____ |
| # _____ | _____ |

Check here if No Addenda received.

_____ **Respondent** _____ **Signature** _____ **Date**

To The Corporation of The Township of Douro-Dummer, Hereafter called the "Owner":

Schedule of Items & Prices

PRICING AND DELIVERY

1. Pricing

| Quantity | Description | Unit Pricing |
|------------------------------|-------------------------|--------------|
| 1 | Fire Truck, Mini-Pumper | \$ |
| HST | | \$ |
| TOTAL (INCLUDING HST) | | \$ |

2. Delivery Schedule

Proponent to provide realistic delivery schedule as follows:

| Delivery | Specify in Weeks |
|--|------------------|
| Total number of calendar weeks from receipt of Award of RFP until delivery to the Township of Douro-Dummer, 894 South St. Warsaw, ON K0L 3A0 | |

SUB-CONTRACTORS/SUPPLIERS/SUB-CONSULTANTS

Submit a list of sub-contractors/suppliers/sub-consultants to be used for the supply of the goods/services, or indicate "Not Applicable".

| Contact | Details |
|---------|----------------------------------|
| Name: | Company Name: |
| | Type of Goods/Services provided: |
| Phone: | Address: |
| Email: | Years in Business: |
| Name: | Company Name: |
| | Type of Goods/Services provided: |
| Phone: | Address: |
| Email: | Years in Business: |
| Name: | Company Name: |
| | Type of Goods/Services provided: |
| Phone: | Address: |
| Email: | Years in Business: |
| Name: | Company Name: |
| | Type of Goods/Services provided: |
| Phone: | Address: |
| Email: | Years in Business: |

REFERENCES

Please list a minimum of three references where your company has provided similar goods or services within the last three years and indicate the goods/services provided.

| Company Name and Phone Number | Contact Person(s) | Type of Goods/Services Provided |
|----------------------------------|----------------------|---|
| 1. | | Goods/Services: Dates: |
| 2. | | Goods/Services: Dates: |
| 3. | | Goods/Services: Dates: |
| 4. | | Goods/Services: Dates: |

Note:

If insufficient space is provided in this, please provide the required information in the same format on a separate form attached to this RFP.

Declaration of Accessibility Compliance

| | |
|----------------------|---------------|
| Company Name: | |
| Print Name: | |
| Title: | Dated: |

I/ we acknowledge that as a Contractor/Consultant of the Township of Douro-Dummer, we are bound to comply with all accessibility Standards under the Accessibility for Ontarians with Disabilities Act, 2005 as amended from time to time.

I/we declare that I/we have read, understand and will meet or exceed all enacted accessibility Standards as amended from time to time.

I/we further declare that I/we will undertake to ensure all sub-contractors hired by us in completion of our work will also comply with the above Standards.”

To The Township of Douro-Dummer, Hereafter called the "Township":

I/We _____ the undersigned
declare:

1. That the several matters stated in the said Bid are in all respects true accurate and complete.
2. That I/We have read and fully understand all information, terms and conditions contained within the Bid Document, including: Part "A" Information to Bidders; Part "B" Standard Terms and Conditions; Part "C" Specifications and Part "D" Bid Form.
3. That I/We do hereby Bid and offer to enter into a Contract to Supply and Deliver all materials mentioned and described or implied therein including in every case freight, duty, currency exchange, H.S.T. in effect on the date of the acceptance of bid, and all other charges on the provisions therein set forth and to accept in full payment therefore, in accordance with the prices and terms set forth in the Bid herein.
4. That this Bid is irrevocable for Ninety (90) Days and prices for as long as stated elsewhere in the Bid Document, and that the Township may at any time within that period without notice, accept this Bid whether any other Bid has been previously accepted or not.
5. That the awarding of the Contract, by the Township is based on this submission, which shall be an acceptance of this Bid.
6. That if the Bid is accepted, I/We agree to furnish all documentation, security and certifications as required by the Bid Document and to execute the attached formal contract (Appendix A) in triplicate, within Ten (10) Working Days after notification of award. I/We understand that any acceptance by the Township is fully conditional upon the receipt of said documentation, security and certifications by the Township within Ten (10) Working Days. If I/We fail to do so, the Township may accept the next lowest or any Bid or to advertise for new bids, or to carry out completion of the works in any other way they deem best.
7. That I/We agree to save the Township, its agents, or employees, harmless from liability of any kind for the use of any composition, secret process, invention, article or appliance furnished or used in the performance of the Contract of which the Bidder is not the patentee, assignee, or licensee.

The undersigned affirms that they are duly authorized to execute this bid.

Bidder's Signature and Seal: _____

Position: _____

Witness: _____

Position: _____

(If Corporate Seal is not available, documentation should be witnessed)

Dated at the _____ of _____
(Town/City)

This _____ Day Of _____ 2019