PART A

BID SUBMISSION

FORM A: BID
(See B8)

1. Project Title — SUPPLY & DELIVERY OF A 32 FOOT FIRE RESCUE APPARATUS

2. Bidder

_____
Name of Bidder

_____
Street

_____
City Province Postal Code

(Mailing address if different)

_____
Street or P.O. Box

_____
City Province Postal Code

The Bidder is:

(Choose one)

☐ A sole proprietor

☐ A partnership

☐ A corporation

carrying on business under the above name.

3. Contact Person — The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

_____
Contact Person Title

_____
Telephone Number Facsimile Number

4. Definitions — All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D2.3 unless the context otherwise requires.

5. Offer — The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work — The Bidder agrees that no Work shall commence until he is in receipt of a Purchase Order authorizing the commencement of the Work.

7.	Contract	The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid Submission.
8.	Addenda	The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract: No. _____ Dated _____ _____ _____ _____ _____
9.	Time	This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline except that the availability of goods known as “demos” may be subject to bona fide prior sale.
10.	Signatures	In witness whereof the Bidder or the Bidder’s authorized official or officials have signed this _____ day of _____ , 20_____ . Signature of Bidder or Bidder’s Authorized Official or Officials _____ _____ (Print here name and official capacity of individual whose signature appears above) _____ _____ (Print here name and official capacity of individual whose signature appears above

FORM B: PRICES
(See B8)

SUPPLY & DELIVERY OF A 32 FOOT FIRE RESCUE APPARATUS

UNIT PRICES

When entering prices into the table below, **prices shall include** Tire tax.

When entering prices into the table below, **do not include**
Federal and Provincial Taxes (Goods And Services Tax (GST) and Manitoba Retail Sales Tax (PST)).

These taxes shall be extra (see clause B8.1.1)

ITEM	DESCRIPTION	SPEC. REF.	UNIT	QUAN	UNIT PRICE
1	**32 Foot Fire Rescue Apparatus**	05 - 041	Ea	1	**$** _____

TOTAL BID PRICE (GST and PST extra) (in figures) **$** _____

(in words) _____

_____

_____
Name of Bidder

FORM N: DETAILED SPECIFICATIONS 05 - 041

32 FOOT FIRE RESCUE APPARATUS

1.0 INTENT

1.1 It is the intent of these specifications to describe a front engine, rear wheel drive, walk around 32 foot fire rescue apparatus.

1.2 The walk around rescue fire apparatus, hereinafter referred to as the apparatus, shall be the manufacturer's latest "demo" model as may be modified by these specifications. The apparatus shall be no older than a 2004 year model with less than 10,000 kilometers.

The apparatus shall be furnished complete and ready for use. Any parts not specifically mentioned but which are required to complete and place the apparatus in successful operation shall be furnished as though specifically mentioned in these specifications.

The complete apparatus, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards an engineering practice of the industry.

1.3 The ratings specified herein state the minimum values acceptable to the City, not implying that those values are sufficient for the design of the particular apparatus being Bid.

2.0 STANDARDS

2.1 Listing of Standards:

The following standards with latest revisions form an integral part of these specifications and any conflict with the specifications shall be brought to the attention of the Contract Administrator in accordance with B3. Enquiries.

2.1.1 National Standards of Canada No. CAN/ULC-SS15-M88.

2.1.2 United Nations Agreement, Standard for Protection of cab Occupants, regulation # 29 (also known as European Crash Test Standards)

2.1.3 National Fire Protection Association Standard NFPA 1901 (current edition)

2.2 All applicable SAE standards form an integral part of the chassis specifications and shall have precedence in any conflict concerning minimum acceptable standards.

2.3 The apparatus shall comply with the Canada Motor Vehicle Safety Act and the Manitoba Highway Traffic Act and all regulations thereunder.

3.0 QUALIFICATIONS OF MANUFACTURER

3.1 The manufacturer of the apparatus shall have a minimum of three (3) years continuous experience manufacturing apparatus of the type being offered.

3.2 The manufacturer shall have in effect a complete and documented quality control program ensuring compliance with all applicable standards.

3.3 The chassis shall be manufactured in an ISO 9002 certified facility.

3.4 The manufacturer of the apparatus shall have successfully demonstrated the operation of the type of apparatus being offered in cold weather climatic conditions.

3.5 Bidders shall provide, within three (3) Business Days of a request by the Contract Administrator:

3.5.1 a detailed description of the manufacturer's qualifications and experience;

3.5.2 a written statement and certification that the apparatus being Bid complies with all requirements of the aforementioned standards;

3.5.3 a list of at least five (5) references for the type of apparatus being offered;

a) the list shall include the fire department's name, location, contact person, telephone number and the length of time the apparatus has been in service.

4.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

4.1 All items in these specifications must be answered indicating compliance or non-compliance. Bidders shall state "yes" for compliance or state the deviation, or state the information requested. All deviations shall be clearly stated and fully detailed.

5.0 TYPE

5.1 Shall be a front engine, rear wheel drive walk around rescue fire apparatus. state make and model being Bid. _____

5.1.1 Detailed description of options and construction features must be provided, as unit comparison will be made.

_____

_____

_____

_____

6.0 PERFORMANCE

6.1 The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 95ºF (35ºC) to –40ºF (–40ºC), with an average annual snow fall of approximately 42 inches (1,070 mm).

The apparatus when not in use will be stored in a heated building.

The apparatus shall be designed and built to operate on a continuous duty basis in the climatic conditions common to the City of Winnipeg. _____

6.2 The apparatus shall be capable of carrying a driver and five (5) Fire department personnel wearing protective clothing and gear, a full complement of fire fighting equipment and rescue equipment in a safe and efficient manner on an emergency response call. _____

7.0 GVWR, DIMENSIONS AND TURNING RADIUS

7.1 Gross vehicle weight rating (GVWR) _____

7.1.1 Gross axle weight rating (GAWR), front must be a minimum 10% greater than actual vehicle weight carried on front axle. _____

7.1.2 GAWR, rear must be a minimum 10% greater than actual vehicle weight carried on rear axle. _____

7.2 State the **tare weight** of the apparatus being Bid:

7.2.1 Front _____

7.2.2 Rear _____

7.2.3 Total _____

7.3 State the **weight distribution** (in percentage) of the apparatus with the compartments filled:

7.3.1 Front (in percent) _____

7.3.2 Rear (in percent) _____

7.4 State the following dimensions:

7.4.1 Overall width – 102 inches (2,591 mm) maximum. State width. _____

7.4.2 No part of the vehicle, including lights, shall exceed the maximum overall height specified.

Overall height – 122 inches (3,099 mm) maximum. State height. _____

7.4.3 Overall length – 390 inches maximum. State length. _____

7.4.4 Wheel base- preferred 187 inches, axle to axle. State wheelbase. _____

7.4.5 Ground clearance – 8 inches (203 mm) minimum. State clearance. _____

7.4.6 Approach and departure angle – nominal 10º. _____

7.5 State the vehicle turning radius, to-wall, measured as per SAE J695-35 ft. (10.7 m) maximum. Tighter turning radius is preferred. State turning radius. _____

8.0 ENGINE AND ENGINE EQUIPMENT

8.1 Engine – 6 cylinder, 4 cycle in-line diesel engine, Cummins or equal. Must be able to meet 2004 EPA Emission Standards. _____

8.1.1 Engine horsepower – The engine shall provide sufficient horsepower and RPM to enable the unit to meet and exceed its rated performance.

All applicable power deductions and parasitic losses associated with the specified equipment shall be considered as required.

Certification must be provided to demonstrate acceptable ratings and performance. _____

8.1.2 Engine location – over the front axle. _____

8.1.3 Engine governor – electronic, compatible with fire apparatus operation. _____

8.2 Oil drain plug – magnetic type. _____

8.3 Oil filter:–

8.3.1 As recommended by the engine manufacturer, full flow, spin-on filter complete with an electrical bypass indicator and dash mounted indicator lights. _____

8.3.2 The filter shall be remote mounted such that it is easily accessible for servicing from underneath the vehicle. _____

8.4 Fuel filter:

8.4.1 Primary – As recommended by the engine manufacturer, spin-on filter, remote mounted on the chassis frame such that it is easily accessible for servicing. _____

8.4.2 Secondary (if recommended) – spin-on filter complete with an electrical bypass indicator and dash mounted indicator lights. The filter shall be remote mounted on the chassis frame such that it is easily accessible for servicing. _____

8.5 Starter – 12 volt electric. The starter shall be shielded from exhaust heat where required. _____

8.6 Air cleaner – heavy duty replaceable element, dry type, as recommended by the engine manufacturer. _____

9.0 ENGINE COOLING SYSTEM

9.1 The engine cooling system shall be in accordance with the engine manufacturer's recommendations for front-engine fire apparatus application and an ambient temperature range of 95ºF (35ºC) to –45ºF(–43ºC). _____

9.1.1 The cooling system must be a type which is used with 2004 EPA compliant engines. The cooling system shall be of adequate capacity to maintain the coolant temperature within the recommended range during operation of the fire pump and under high ambient temperature conditions without the use of an auxiliary cooler. _____

9.1.2 The coolant temperature shall not exceed 200ºF (93ºC) with the engine operating at maximum capacity for extended periods of time. The normal operating temperature of the coolant system shall be approximately 180ºF (92ºC). _____

9.2 Radiator – pressurized type with non-corrosive high temperature composite top and bottom tanks with surge tank or coolant recovery system. _____

9.3 Fan drive – thermostatically controlled fan clutch, viscous type or air clutch preferred. _____

9.4 Coolant – ethylene glycol based extend life coolant protected to –35ºF (–37ºC) compatible with the engine. _____

9.4.1 Coolant filter – spin-on type, as recommended by the manufacturer. _____

9.5 Hoses – as recommended by manufacturer. _____

9.5.1 Hose clamps – spring loaded, constant torque type. _____

10.0 ELECTRICAL SUPPLY SYSTEM

10.1 12 volt automotive style electrical supply system. _____

10.2 Batteries – as recommended by the manufacturer considering load requirements and severe use c/w top mounted steel stud terminals and with removable vent caps. _____

10.2.1 Battery location:

a) Batteries shall be located in an enclosed battery tray within close proximity to the engine. _____

b) The battery box shall by fully enclosed, vented and corrosion resistant. _____

c) The bottom of the battery box shall be dry deck lined. _____

d) The batteries shall be protected from road spray. Preferable location – back end of cab, battery box mounted on top and across the frame. State location. _____

e) Within cab battery access required. _____

10.2.2 Battery cables – 3/0 gauge, color coded welding type cable, with connector ends soldered and sealed with heat shrink tubing at all terminal connectors. _____

10.3 Battery charging system – on-board system with a 0 – 20 amp rated (preferred) automatic charger for charging of the batteries from an external 120 volt power supply. _____

10.3.1 Charging system plug-in – automatic ejector type with a 20 amp receptacle mounted on the rear of the apparatus body on the left side, 60 to 80 inches (1,524 – 2,032 mm) above ground level. _____

10.4 Ground wire:

10.4.1 The electrical wiring harness shall have a dedicated ground wire running the full length of the truck is preferred. This ground wire shall be connected directly to the battery negative post. _____

10.4.2 All electrical systems shall be grounded to this ground wire. _____

10.4.3 The total resistance of this ground wire shall not exceed 0.2 volts drop at any point with all circuits turned on. The conventional grounding system using the frame shall be maintained. Weather tight junction boxes shall be provided at the dash, pump panel and the rear of the truck. _____

10.5 Alternator:

10.5.1 Leece Neville 270 or equal alternator minimum with compatible drive system for full load capacity. State make and model. _____

10.5.2 The alternator shall be shielded from exhaust and engine heat where required. _____

10.5.3 The alternator shall be sufficient to exceed the electrical demands of the vehicle under full load. _____

10.6 Power disconnect:

10.6.1 Power to all electrical systems shall be wired through a power disconnect system with the master switch or switches located in the cab for operation by the driver. _____

10.6.2 The system shall be designed to prevent alternator damage in the event that the master switch is placed in the off position while the engine is running. _____

10.6.3 State details of the power disconnect system.

_____

11.0 FUEL SYSTEM

11.1 Fuel tank – minimum 40 imp. gallons (182 L) capacity. _____

11.2 Fuel transfer pump is required. _____

11.2.1 Engine manufacturer shall confirm compliance and need for a fuel transfer pump system. _____

11.2.2 The fuel system circuit should be a fuel tank, fuel transfer pump, primary filter, secondary filter to engine. _____

11.2.3 The fuel line shall be check valved to prevent fuel leak back to tank. _____

12.0 EXHAUST SYSTEM

12.1 Horizontal muffler and exhaust, aluminized or stainless steel. _____

12.2 Tailpipe:

12.2.1 Located on the right side of the apparatus suitable for use with an exhaust extraction system. _____

12.2.2 The tailpipe shall be 90º to the rubrail, shall extend a minimum of 1/2 inch (13 mm) beyond the rubrail and shall be 3 inches (76 mm) below the rubrail. _____

12.2.3 Hanger brackets shall be a minimum of 18 inches (457 mm) from the rubrail. _____

12.2.4 The tailpipe configuration is intended for use with a “Plymovent” automatic exhaust disconnection system and shall include the installation of the appropriate adapter. _____

13.0 TRANSMISSION

13.1 Allison World transmission model EVS3000P (minimum), 5 speed. _____

13.1.1 Torque converter –as recommended by the manufacturer _____

13.2 Shifter – As recommended by the manufacturer _____

13.3 Transmission oil filter – as recommended by the manufacturer, full flow filter complete with dash mounted bypass indicator lights preferred. _____

13.4 Drain plug – magnetic type. _____

13.5 Oil level dipstick – easy access steel ribbon bayonet type with high and low level markings. _____

13.6 PTO opening – required. _____

13.7 Jacobs Engine Brake. _____

14.0 DRIVE SHAFTS

14.1 Preferred Spicer 1810 Series drive shafts with Glidecoat splines. _____

14.2 Adequate clearance shall be provided to allow greasing of the drive shaft U-joints from underneath the vehicle. _____

15.0 AXLES AND SUSPENSIONS

15.1 Front axle:

15.1.1 Rockwell/ Meritor with 45 degree cramp angle and capacity of axle to exceed actual load carried by a minimum 10%.

15.1.2 Minimum axle capacity 18,000 lbs (8,182 kg), c/w oil lubricated wheel bearings. State front axle capacity. _____

15.2 Front suspension –to match the front GAWR.

15.2.1 State make and model of front suspension being Bid

_____

15.3 Shock absorbers, front – heavy duty, double acting. _____

15.4 Rear axle:

15.4.1 Rockwell/Meritor single speed axle. Axle to exceed actual load carried by 10%.

15.4.2 Minimum capacity of axle 23 000 lbs (10 433 kg). State rear axle capacity. _____

15.4.3 Drive ratio – for approximately 62 MPH (100 km/h). _____

15.4.4 Differential drain plugs – magnetic type. _____

15.5 Rear suspension –with capacity to match the rear GAWR.

15.5.1 State make and model of rear suspension being Bid

_____

16.0 WHEELS AND TIRES

16.1 Front:

16.1.1 Front wheels - Aluminium. _____

16.1.2 Front tires – as recommended by OEM. State. _____

16.2 Rear:

16.2.1 Rear wheels - Aluminium. _____

16.2.2 Rear tires Mud and Snow – as recommended by OEM. State. _____

17.0 BRAKE SYSTEM

17.1 Full air service brake system with spring loaded parking brakes and an anti-lock system. _____

17.2 Antilock braking system:

17.2.1 Meritor Wabco four (4) channel system with diagnostic memory, providing antilock brake control and traction control on both axles. _____

17.3 Brakes, front and drum rear – Rockwell preferred. _____

17.4 Slack adjusters –automatic type as recommended by the manufacturer. _____

17.5 Parking brake – spring set parking brakes on rear service brake system. _____

17.6 Air lines – color-coded, reinforced nylon tubing. _____

17.7 Air compressor:

17.7.1 Water cooled, pressure lubricated compressor, minimum 16 cfm capacity. _____

17.7.2 The compressor air intake shall be plumbed into the engine air intake after the air cleaner. _____

17.8 Air dryer – heated, spin-on desiccant type, Meritor Wabco System Saver 1200 E.

17.9 Moisture ejector – Bendix or equal, heated, automatic, in wet tank only. State model of ejector. _____

17.10 Drain valves:

17.11 Cable operated, in each air tank except the wet tank. _____

17.12 The cables shall be vinyl coated and shall terminate at the bottom edge of the cab or at the rub rail on the body. _____

17.13 Auxiliary air reservoir:

17.13.1 To operate the vehicle air horns and to function as an emergency parking brake release. _____

17.13.2 Nominal 1200 in^3 (20 L) air reservoir. _____

17.13.3 The reservoir shall be isolated from the brake system reservoir and shall be plumbed such that it is charged with air along with the brake system reservoir. _____

17.13.4 A pressure protection valve, set at approximately 90 psi (6.2 Bar), shall maintain air pressure in the auxiliary reservoir. _____

17.13.5 A dash mounted control, located directly below the main parking brake release, shall allow the air in the reservoir to be sued to release the parking brakes. _____

a) The control shall be non-detented, spring return type such that it cannot be left engaged in the brake release position. _____

17.14 External air inlet::

17.14.1 Plumbed to the inlet side of the air dryer such that the air brake system can be charged from an outside source without starting the engine. _____

17.14.2 A check valve shall be located in the inlet line. _____

17.14.3 The air inlet shall be a 3/8 inch (9.5 mm) NPT male fitting, capped, and shall be located on the left side of the chassis cab. _____

17.15 Air line sources – all air lines shall be sourced after the air dryer. _____

17.16 110 volt air compressor:

17.16.1 On-board air compressor for maintaining pressure in the air reservoirs when the vehicle Is parked in a fire hall. _____

17.16.2 Electrical power for the compressor shall be provided through the charging system plug-in (see 10.3.1). _____

18.0 STEERING

18.1 Hydraulic power steering. _____

18.2 Steering column – tilt/telescopic preferred.

18.3 Steering wheel – padded type. _____

19.0 FRAME

19.1 Steel channel rail frame designed and constructed to match the GVWR and the application of the vehicle as a triple combination pumper fire apparatus. _____

19.1.1 Resisting bending moment – 1,700,000 inch-lbs per rail minimum. State bending moment. _____

19.2 Front frame extension

19.2.1 Bolt on as required for 19.1.1 _____

19.2.2 Trash hose storage compartment

a) located in front bumper extension. _____

b) Approximately 21 inches x 12 inches x 12 inches deep, to accommodate 50 feet of 1 3/4 inches hose with nozzle.

c) C/W aluminum cover _____

19.3 Front bumper – polished stainless steel bumper bolted to the chassis frame. _____

19.3.1 Corner indicators – blaze orange, flexible sight rods, approx. 24 inches (610 mm) high. _____

19.4 Front tow hooks:

19.4.1 Two (2) hooks or eyes, bolted to the chassis frame. _____

19.4.2 A crossmember shall be located in the chassis frame at the tow hook location (use of the front bumper as a crossmember is not acceptable). _____

19.5 Rear tow hooks:

19.5.1 Two (2) hooks or eyes, bolted to the chassis frame. _____

19.5.2 A crossmember shall be located in the chassis frame at the tow hook location. The tow hooks shall be easily accessible. _____

20.0 CAB AND CAB EQUIPMENT

20.1 Cab – Overall Design and Construction:

20.1.1 Cab over design four-door, fully enclosed. _____

20.1.2 Low entry, standard configuration for six (6) seating capacity. _____

20.1.3 Bidders shall provide drawing(s) showing the cab interior layout and relevant dimensions, within three (3) Business Days from request of the Contract Administrator _____

20.1.4 Construction – corrosion resistant aluminum. _____

20.1.5 Insulating material:

a) To prevent galvanic corrosion shall be provided at all possible areas of contact between aluminum and steel.

b) The insulation material used shall be nonporous. _____

20.2 Cab Interior:

20.2.1 Raised rear roof style cab. _____

20.2.2 The cab interior height shall be sufficient for an average firefighter to stand erect in the rear portion, and a cab width of 87 inches

20.2.3 Minimum cab interior length – 134 inches. _____

20.2.4 Fixed, tinted glass windows should be located in the front and sides of the cab as permitted by the highway traffic act. _____

20.3 Entrance doors:

20.3.1 Two (2) per side. _____

20.3.2 Door opening height:

a) Front door –
Maximum height of cab (determined by structural requirements of manufacturer). State maximum height of front door. _____

b) Rear door –
Maximum height of cab (determined by structural requirements of manufacturer). State maximum height of rear door. _____

20.3.3 Door handles / latches, exterior – as recommended by manufacturer. _____

20.3.4 Door handles / latches, interior – flush-mounted, paddle handle type, located such as to prevent accidental actuation. _____

20.3.5 Door latch striker pins – recessed such as not to protrude into the door opening area. _____

20.3.6 Door hinges – as recommended by manufacturer. _____

20.3.7 Weather stripping – automotive style. _____

20.3.8 Entry assist handles – grab handles as per NFPA standard. _____

20.4 Entrance steps

20.4.1 All front and rear entrance steps designed for ease of entry and exit. _____

20.4.2 The entrance steps shall provide a low entry step height with the bottom steps no more than 20 inches (559 mm) above ground level. _____

20.4.3 Step width - should be a minimum 22 inches (559 mm) wide. _____

20.4.4 Step Depth - The step surfaces shall be nominally 10 inches (254 mm) deep to ensure a safe stepping area for firefighter in turnout boots. _____

a) The step surfaces shall be non slip material. _____

20.5 Rear entrance steps:

20.5.1 Designed to allow personnel to step out of the cab in a forward position. _____

20.5.2 The location of the rear entrance steps should be such as to provide adequate floor space between the step wells and the outboard rear seats to allow seated personnel to rest their feet at floor level. _____

20.5.3 Step width, rear doors – 20 inches (508 mm) minimum. _____

20.5.4 Step Depth - Step surfaces should be nominally 10 inches (254 mm) deep to ensure a safe stepping area for firefighter in turnout boots. _____

a) Rear step surfaces shall be non slip material. _____

20.6 Step area lights:

20.6.1 Recessed, side mounted light in each entrance step area. _____

20.6.2 The lights should be activated by door switches. _____

20.7 Seats:

20.7.1 Five (5) seats as follows.

a) All seats shall be Seats Inc. Model 911 with grey, heavy duty vinyl (preferred) upholstery. _____

b) Modura cloth inserts must be approved by the Contract Administrator to be acceptable. _____

20.7.2 Drivers seat – conventional high-back, fully adjustable air suspension seat upholstered in grey Mordura. _____

20.7.3 Officer's seat – fully adjustable air suspension seat preferred with a Zico walkaway SCBA bracket. _____

20.7.4 Air supply for the seats should be taken from the auxiliary air reservoir. _____

20.8 Rear seats:

20.8.1 Three (3) forward facing seats are preferred located along the back of the cab. _____

20.8.2 The rear seats shall be equipped with Zico walkaway brackets complete, 3-point mount, collision restraint straps, c/w removable backrest centre piece. _____

20.9 Zico walkaway brackets for the officer's and rear seats shall be compatible with 45 minute high pressure air bottles and S.C.B.A. harness. _____

20.10 Seat belts – three-point, retractable type for all seats, with the exception of the rear middle seat which may be equipped with a two-point retractable type seat belt. _____

20.11 Floor covering – heavy duty rubber, or approved equivalent. _____

20.12 Insulation:

20.12.1 Full insulation and vinyl padding package for walls and ceiling. _____

20.12.2 Insulation shall be non-hygroscopic, mildew proof and fire retardant. _____

20.12.3 Vinyl should be grey, heavy duty automotive type. _____

a) Floor insulation – Option price for spray foam applied to entire under side of floor. _____

20.13 Headliner – grey, heavy duty vinyl with padding. _____

20.14 Windows:

20.14.1 Tinted safety sunglass for all windows including windshield. _____

20.14.2 Door windows, rear doors – fully opening roll-up windows. or sliding type windows

20.15 Window fans: – If recommended by the manufacturer to assist in defrosting the windows: State if recommended. _____

If required .....fill in .....20.15.1 , 20.15.2 , 20.15.3 .....with appropriate response.

If not required .....fill in .....20.15.1 , 20.15.2 , 20.15.3 .....with **N/R**

20.15.1 Four (4) auxiliary defroster fans with metal blade guards and individual switches. _____

20.15.2 Two (2) located at the front windshield and two (2) in the rear section. _____

20.15.3 A master power switch for all fans shall be provided on the driver's switch panel. (Note 20.18.1). _____

20.16 Sunvisors:

20.16.1 Full windshield interior sun visors. _____

20.16.2 Two (2) swivel visors. One positioned in the front of the driver and officer. _____

20.16.3 The two (2) swivel visors swivel to provide coverage of the front door windows. A centre visor fills in the gap that is found between the two outer visors. _____

20.17 Mirrors, exterior:

20.17.1 West coast style chrome finish mirrors c/w convex mirror built into the mirror head, electric defroster. _____

20.17.2 Driver operable remote controls are preferred. State if offered. _____

20.18 Heating/Ventilating/Air Conditioning System

20.18.1 Front heater and air conditioner

a) High output, fresh air type with multi-speed fan, controlled by the driver. _____

b) Outlets shall be provided at dashboard level and in the drivers and officers foot area to ensure occupant comfort when heat is required. _____

c) Defroster outlets shall be provided to defrost entire windshield and the drivers and officers side windows. _____

d) Coolant flow (preferred) in the heater circuit shall be passively controlled by a dash mounted heat control device. _____

e) The system/s shall meet or exceed the BTU(s) required to heat/cool the cab for the temperatures common to the City of Winnipeg, –40ºF (–40ºC) to 95ºF (35ºC). State if meets or exceeds. _____

20.18.2 Rear heater and air conditioner:

a) Shall meet or exceed the BTU requirements necessary to ensure floor area heating and cooling the rear of the cab to ensure occupant comfort and shall be separately controlled from the front of the cab. _____

20.18.3 The Heating/Ventilation/Air Conditioning systems (front and rear) shall dehumidify the air in the defrost mode to assist in preventing the fogging or frosting of the windows due to excess humidity from wet firefighter clothing. _____

20.19 Dome lights

20.19.1 Minimum four (4) lights, two (2) in the front and two (2) in the rear portion of the cab to fully illuminate the cab interior. _____

20.19.2 All lights should be operated by door switches. _____

20.19.3 Each light should be equipped with an individual switch at the light. _____

21.0 INSTRUMENTATION,

21.1 Full instrumentation on a removable or flip down panel, or pull-out gauges. State if removable , flip down or pull out. _____

21.2 Instrumentation should include, but not be limited to:

a) Speedometer / odometer – metric. _____

b) Tachometer. _____

c) Oil pressure gauge. _____

d) Coolant temperature gauge. _____

e) Transmission oil temperature gauge or warning light. _____

f) Low oil pressure / high water temperature warning light(s). _____

g) Voltmeter. _____

h) Fuel level gauge. _____

i) Air reservoir pressure gauge(s). _____

j) Engine hourmeter. _____

k) Air cleaner restriction indicator gauge. _____

l) Engine oil filter bypass indicator lights. _____

m) Fuel filter bypass indicator lights. _____

n) Transmission filter bypass indicator lights if recommended. _____

21.3 Ignition switch – keyless type. _____

21.4 Doors- should be keyed alike. _____

21.5 OEM Engine shut down system operational with

21.5.1 Coolant, oil pressure, transmission oil temperature. _____

21.5.2 Should be audible with warning light. _____

21.6 Radio- should include a Weatherband AM/FM/CD stereo, mounted inside of dash, controlled by the driver. _____

22.0 RESCUE BODY

22.1 Rescue body module:

22.1.1 Shall be stainless steel and designed specifically for emergency vehicle use. _____

22.1.2 No stock or catalogue type extrusions are permitted and documentation must be provided to verify this requirement. _____

22.1.3 The module's structure must be a roll cage design to enhance safety and resist crushing. _____

22.1.4 The body module shall be of sufficient strength to support the fully loaded vehicle if overturned. _____

a) Overturn strength shall be demonstrated by third party certification prior to delivery if requested by the Contract Administrator. _____

22.1.5 All parts of the body shall be of welded construction where applicable. _____

22.1.6 The body shall be mounted to the frame by Grade 8, hardened steel U-bolts. _____

22.1.7 Lower body rubrails shall be spaced off the body and constructed to permit ease of repair. _____

22.1.8 Rear Bumper and step assembly shall protect the body from damage in the event of a low speed collision. _____

22.1.9 Wheel housings shall be lined and provide extensions to protect the body from wheel wash. This liner and extension must be removable. _____

22.1.10 The roof shall be designed to permit fire fighters to walk on safely. _____

22.1.11 Two(2) - Exterior floodlights, tripod mounted and wired to be plugged into the exterior 120 volt system. _____

a) The floodlights shall come complete with circuit breakers at the electrical panel. _____

22.1.12 Exterior flood and loading lights shall be provided to adequately light the scene on both sides and the rear of the unit

a) Describe lighting. _____

22.2 The approximate body module dimensions should be:

22.2.1 Exterior Height - 113 inches maximum. State height. _____

22.2.2 Exterior Width – 100 inches maximum. State width. _____

22.2.3 Exterior Length- 220 inches maximum. State length. _____

22.3 Ladder – Roof accessibility, mounted on the right rear of body. _____

23.0 COMPARTMENT DOORS

23.1 Shall be R-O-M or equal as approved by the Contract Administrator. _____

23.2 All compartment doors shall be keyed alike. _____

24.0 STORAGE COMPARTMENTS -

Note: The following description is intended only as a guide and **should not** preclude manufacturers from recommending alternatives.

24.1 Compartment L1 - Located on the driver's side behind the cab.

24.1.1 Shall transverse the body to compartment R2.
Approximate measurements of 66 inches height x 48 inches width x Full width above frame. _____

24.1.2 Containing: 1 Stokes basket and 2 backboard storage. _____

24.2 Compartment L2 – located forward of the rear wheels on the driver's side.

24.2.1 Shall transverse to compartment R2 with approximate measurements of 66 inches height x 48 inches width x Full width above frame. _____

24.2.2 Containing: 2 Pull Out Trays. _____

24.3 Compartment L3 – located over the rear wheels on the driver's side.

24.3.1 Measuring approximately 35 inches height x 60 inches width x 27 inches depth. _____

24.3.2 Containing: 1 Pull Out Tray. _____

24.4 Compartment L4 – located on the driver's side behind the rear wheels

24.4.1 Approximate measurements of 68 inches height x 60 inches width x 27 inches depth. _____

24.4.2 Containing: 2 Pull Out Trays. _____

24.4.3 1 shelf. _____

24.5 Compartment B1 – Located at the rear

24.5.1 Approximate measurements of 47 inches height x 42 inches width x 60 inches depth. _____

24.5.2 Containing 1 Roll out, full extension tray. _____

24.6 Compartment R4 - Located passenger side, behind the rear wheels

24.6.1 Approximate measurements of 68 inches height x 60 inches width x 27 inches depth. _____

24.6.2 Containing: 2 Pull Out Tool Boards. _____

24.6.3 1 shelf. _____

24.7 Compartment R3 - Located passenger side, over the rear wheels

24.7.1 Approximate measurements of 35 inches height x 60 inches width x 27 inches depth. _____

24.7.2 Containing: 1 Pull Out Tray. _____

24.8 Compartment R2 – Located passenger side forward of the rear wheels.

24.8.1 Shall transverse to compartment L2 with approximate measurements of 66 inches height x 48 inches width x Full width above frame. _____

24.8.2 Containing: 2 Pull Out Trays. _____

24.9 Compartment R1 - Located on the passenger side behind the cab.

24.9.1 Shall transverse the body to compartment L1. Approximate measurements of 66 inches height x 48 inches width x Full width above frame. _____

24.9.2 Containing: 1- Pull Tray
1 Stokes stretcher and 2 back Board Storage. _____

24.10 Lighting – adequate protected strip lighting to light the interior of the compartments and each shelf included within. _____

24.10.1 Shall be designed so that only the compartment with the door open shall light. _____

24.11 Compartment floor and shelf decking – black Turtle Tile

24.12 Shelf lining – black ribbed rubber. _____

24.13 Pull and Drop Trays – unless otherwise specified trays shall be approximately 3 inches height, smooth aluminium plate and be engineered to support a minimum of 500 lbs. _____

24.13.1 Certification must be provided to verify load capacity of the Pull and Drop trays. _____

24.14 Roll Out Trays - unless otherwise specified trays shall be approximately 3 inches height, smooth aluminium plate and be engineered to support a minimum of 500 lbs. _____

24.14.1 Certification must be provided to verify load capacity of the Roll Out Trays. _____

24.15 Shelf – unless otherwise specified should be approximately 1 1/2 inches in height, mounted on adjustable track and be capable of supporting 250 Lbs. Minimum. _____

24.16 Wheel wells

24.16.1 Equipped with full liners. _____

24.16.2 Each wheel well shall have two (2) SCBA storage compartments capable of each holding one 45 minute high pressure SCBA cylinder. _____

24.16.3 The compartments shall have a slam lock weather tight door. _____

24.16.4 Shielding shall be provided on the in-board side to prevent road spray from entering enclosed wheel well or apparatus body. _____

25.0 ELECTRICAL GENERATING SYSTEM

25.1 Generator

25.1.1 A 35 kw direct drive PTO generator. _____

25.1.2 Onan preferred. State type. _____

25.1.3 NFPA 1901 compliant. _____

25.1.4 Generator to be mounted on a steel frame in a manner as to provide adequate ground clearance and protected from road spray. _____

25.2 A generator instrument panel shall provide the following:

a) Hour meter. _____

b) Ammeters. _____

c) Voltmeter. _____

d) Frequency meter. _____

e) Transmission temperature warning light. _____

f) Instruction plaque (essential operating instructions). _____

25.3 PTO indicator lights in the cab

25.3.1 Flush mounted weatherproof duplex receptacles with integral power indicator lights (minimum 4 receptacles). _____

25.3.2 Marked receptacles shall be provided.

a) Two on driver's side. _____

b) Two on passenger side. _____

25.4 A 12 volt powered electrical cable reel shall be installed c/w 200 feet of electrical cabling (10/3) with a twist lock plug on the end. _____

25.5 There shall be a 36-inch grounding stake with adequate system wiring and a slide hammer feature. _____

26.0 SHORELINE UTILITY POWER

26.1 An appropriate two-wire c/w ground, 115 ac wiring system that is separate from the 12 volt system, incorporating ground fault interrupter systems and a 20 amp circuit breaker shall be installed as per Manitoba Code.

27.0 LIGHT TOWER

27.1 A Wilburt NS15-9000 or equal light tower shall be installed.

State make and model. _____

28.0 RESCUE EQUIPMENT

The following equipment shall be supplied as part of the apparatus and shall be mounted where applicable.

28.1 Smoke ventilator

One (1) RamFan GF-165 positive pressure ventilator with 5.5 H.P. (4.1 kW) Honda engine (no substitutes).

(RamFan Corporation, 2746 Via Orange Way, Spring Valley, California, 91978, Tel: (619) 670-9590). _____

28.1.1 The smoke ventilator shall be mounted in compartment L1. _____

28.2 Pike Poles:

28.2.1 One (1) – 6 foot (1.8 m) pike pole with fibreglass handle. _____

28.2.2 One (1) – 8 foot (2.4 m) pike pole with fibreglass handle. _____

28.2.3 One (1) – 10 foot (3.0 m) pike pole with fibreglass handle. _____

28.3 Axes and Brackets

28.3.1 Two (2) 6 lb. (2.7 kg) pickhead fire axes with fibreglass handles. _____

28.3.2 Axe mounting brackets – Zico or equal, required for each axe. Bracket locations to be determined. State type. _____

28.4 Sledgehammer and Brackets

28.4.1 One (1) 6 lb. (2.7 kg) sledgehammer with fibreglass handle. _____

28.4.2 Sledgehammer mounting bracket – Zico or equal. Bracket location to be determined. State type. _____

28.5 Prybars and Brackets

28.5.1 One (1) – 50 inch (1,270 mm) crow bar. _____

28.5.2 Two (2) Kelly tools. _____

28.5.3 Prybar mounting brackets – Zico or equal. Bracket locations to be determined. State type. _____

28.6 Shovels and Brackets

28.6.1 One (1) square mouth shovel. _____

28.6.2 Two (2) No. 10 scoop shovels. _____

28.6.3 Shovel mounting brackets – Zico or equal. Brackets to be mounted in the compartment L3 on the upper shelf. State type. _____

28.7 Salvage Covers

28.7.1 Six (6) in total – approx . size 14 feet x 16 feet (4.3 m x 4.9 m) _____

28.7.2 Made from no. 6 yellow Herculite fabric. _____

28.8 Extinguishers and Brackets

28.8.1 One (1) 2 ½ gal. (11 L) hand pump water extinguisher. _____

28.8.2 One (1) 15 lb. (6.8 kg) BC rated CO2 extinguisher. _____

28.8.3 One (1) 20 lb. (9.1 kg) BC rated pressurized dry chemical extinguisher. _____

28.8.4 Extinguisher mounting brackets – Zico or equal. Bracket locations to be determined. State type. _____

28.9 Door opener – one (1) hydraulic powered door opener with hand pump, prybar, hammer and carry bag

Rabbit Tool by Hurst Jaws of Life (no substitutes). _____

28.10 Hurst Jaws of Life

28.10.1 Hurst Jaws of Life power unit (or equivalent). State make. _____

a) Manifold spreader. _____

b) 60 inch ram. _____

c) 24 inch ram. _____

28.10.2 50 feet of hose

28.10.3 Honda engine. _____

28.11 Winch – Ramsey 12K, centre mounted on Front Bumper. _____

28.12 Two-way radio: Note: Mobile radio and accessories to be shipped loose.

28.12.1 One (1) Motorola MCS2000 (UHG conventional trunkable and DVP capable) mobile radio. _____

28.12.2 Complete with a 5 year warranty (Part #ACW975 AB). _____

28.12.3 17 foot remote mount cable (Part #W496) _____

28.12.4 Keylock mount (Part #HLN 6205 A). _____

29.0 ELECTRICAL SYSTEMS, GENERAL

29.1 Electrical wiring for all 12 volt electrical circuits shall be in accordance with SAE standard J1292. _____

29.1.1 Wires shall be minimum 16 ga., multi-strand copper with cross-linked polyethylene insulation. _____

29.1.2 All wiring shall be in pre-engineered harnesses with weatherproof, guided pinsnap-together connectors. _____

29.1.3 All wiring shall be properly secured and routed. _____

a) All holes required for routing shall be grommetted and sealed as required. _____

29.1.4 Each circuit shall be colour -coded and marked the entire length of the wire with easily read numbers and/or letters for identification. _____

29.2 Where crimp-on type electrical connectors are necessary, the connectors shall be crimped and soldered to the wiring, then sealed using heat shrink tubing. _____

29.3 All soldered connections shall be performed using flux core solder. *(Acid and / or acid core solder shall not be used.)* _____

29.4 Circuit breakers shall be used in lieu of fuses for all circuits requiring overload protection *(Reset type circuit breakers preferred).* _____

29.5 All circuit breakers and relays shall be located behind quick removable panels, located to be readily accessible for servicing. _____

29.5.1 All circuit breakers and relays shall be labelled to indicate their function. _____

29.6 The electrical distribution panels for the apparatus body

29.6.1 The panels shall be located in an easily accessible location for the maintenance people to access. _____

29.6.2 The panels shall have a removable weather tight front cover. _____

29.6.3 The dedicated ground cable shall have a ground terminal in these panels with sufficient connection point available for all circuits. _____

30.0 VEHICLE LIGHTING AND WARNING EQUIPMENT

30.1 Vehicle Lighting - General

30.1.1 The apparatus shall be equipped with all vehicle lighting equipment required under the Canada Motor Vehicle Safety Act and the Manitoba Highway Traffic Act. _____

30.1.2 The apparatus shall have a certified system of optical warning devices that meets or exceeds the requirements of N.F.P.A. 1901 (Current Edition). _____

a) Bidders shall provide a list of all optical warning devices, and their respective mounting locations, being supplied on the apparatus, within three (3) Business Days from request of the Contract Administrator _____

30.1.3 All lighting shall be LED unless otherwise specified. _____

30.2 Light bar –rotator,

30.2.1 Clear lens and red filters, located on the front of the cab roof. _____

30.2.2 Individual switches shall be provided for the alley lights if included in the light bar. _____

30.3 Lights

30.3.1 Rear warning lights- as per NFPA 1901 Standards (current edition). _____

30.3.2 Red flashing lights front two (2). _____

30.3.3 Red flashing lights rear two (2). _____

30.3.4 Intersection lights

a) Two (2) in the side at the front bumper area. _____

b) Two (2) in the rear wheel well area. _____

c) Two (2) in the rear tail board area. _____

30.3.5 Arrow stick – c/w controller. The arrow stick shall be mounted in the rear of the body below the hose bed. _____

30.3.6 Scene lights – located to provide adequate side and rear scene lighting. _____

30.4 Load management system – an automatic electrical load management system shall be required. _____

30.5 Taillights – minimum 6 inch (152 mm) diameter lights. _____

30.6 Turn signals – as per C.M.V.S.S. and as per N.F.P.A. 1901 (current edition). – (Ten(10) in total)

30.6.1 Front of Vehicle - mounted left and right. _____

30.6.2 Rear of Vehicle - mounted left and right. _____

30.6.3 Side of Vehicle

a) Front – left and right side of on corner of vehicle. _____

b) Rear – left and right side of on corner of vehicle. _____

c) Side – turn signals located approximately midway of vehicle. One (1) on each side of vehicle. _____

30.7 Wig wags – alternately flashing headlights operating on high beam only. _____

30.8 Siren– siren system with one (1) speaker with mounted in the front bumper, spaced as wide apart as possible. _____

30.9 Warning lights and siren controller.

30.9.1 The siren controller shall be mounted with the arrow stick controller mounted to the right of the driver for primary operation by the driver from the normal seated position. _____

30.9.2 The officer's position shall be equipped with a siren tone control switch. This switch when activated shall only be able to change siren tones of siren wail, yelp and electronic air horn. *(It will not select stand by or on/off selection).* _____

a) The switch position shall be to the left of the officer. _____

30.10 Air horns – two (2) air horns mounted in the front bumper. _____

30.10.1 The air horns shall be operable from the driver's position via the steering wheel horn activator and from the officer's position via a tow switch. _____

30.11 Back-up alarm – electronic, self-adjusting (87-112 dB) type. _____

30.12 Spotlight

30.12.1 12 volt, heavy-duty hand held spotlight with momentary switch. _____

30.12.2 Dash mounted in the officer area. _____

31.0 SERVICEABILITY

31.1 All components of the apparatus requiring regular scheduled servicing or lubrication shall be easily accessible. _____

31.2 The design and construction of the apparatus shall be such that the removal of drive train components including, but not limited to, the engine, transmission and transfer case, can be accomplished without dismantling the apparatus body. _____

32.0 COLOR

32.1 The apparatus shall be painted as follows:

32.1.1 Cab – painted two tone

a) Bottom half red to match Dupont C8053U (Candy Apple Red), using a polyurethane enamel paint, Dupont Imron or equal.
State paint type. _____

b) Top half white to match Dupont DU 1300 (Super White), using a polyurethane enamel paint, Dupont Imron or equal.
State paint type. _____

32.1.2 Apparatus body – painted red to match the bottom half of the cab. _____

32.1.3 Chassis frame, axles, etc. – painted using Hammerite smooth black corrosion resistant paint. _____

32.2 Surface Preparation and Paint Application:

32.2.1 All surfaces shall be properly cleaned, prepared and primed with a suitable primer prior to painting. _____

32.2.2 Any caulking of body seams shall be performed prior to painting. Caulking material shall be of the highest industry standards. _____

32.2.3 All mounting holes shall be drilled and deburred and nutserts shall be installed in blind holes prior to painting. _____

32.2.4 All paint shall be applied in accordance with the paint manufacturer's recommendations. _____

32.2.5 Painting shall be performed in an atmosphere controlled spray booth. _____

32.2.6 The cab and apparatus body shall be painted with all trim and hardware removed. _____

32.3 The apparatus body roll-up doors shall be anodized. _____

32.4 Reflective striping:

32.4.1 Minimum 4 inch (102 mm), white reflective striping, applied to the front, sides and rear of the apparatus in accordance with NFPA requirements for reflective striping. _____

32.4.2 The reflective striping on the cab rear entrance doors shall incorporate the Fire Department's stylized ***"FPS"*** logo.
(A diagram of the logo shall be provided to the Contractor by the City). _____

32.5 The cab interior shall be charcoal grey. _____

33.0 NOISE LEVELS

33.1 The sound level in the cab at all seated positions shall not exceed 80 dB(A), measured in accordance with SAE J336, with the apparatus travelling at any speed up to governed speed with the sirens off and doors and windows closed. _____

33.1.1 State the sound level in the cab. _____

34.0 TESTING AND CERTIFICATION

34.1 The Contractor shall be responsible for obtaining testing and certification of the apparatus in compliance with the requirements of CAN/ULC-S515-M88

Standard for Automobile Fire Fighting Apparatus, by Underwriters' Laboratories of Canada (ULC). _____

34.2 The Contractor shall provide proof of certification to the City prior to delivery of the apparatus. _____

35.0 DELIVERY

35.1 A Manitoba Vehicle Safety Inspection shall be performed on the apparatus prior to delivery. _____

35.1.1 A valid decal shall be displayed and a safety certificate shall be provided. _____

36.0 MANUALS

36.1 Manuals supplied under this Contract shall be in English and shall be specifically for the apparatus supplied. General purpose manuals are not acceptable. _____

36.2 The manuals shall cover the complete equipment including all components thereof. _____

36.3 The following manuals shall be supplied under this Contract:: _____

36.3.1 Operator's manuals – two (2) sets in total. _____

36.3.2 Parts and service manuals, including detailed wiring schematics and preventative maintenance schedules – two (2) sets in total. _____

a) The wiring schematics shall identify the location of all relays, switches, etc. _____

36.4 The manuals shall be supplied at the time of delivery of the apparatus. _____

36.5 Diagnostic tool – Prolink diagnostic tool

Complete with software to diagnose the supplied engine, Allison transmission and Rockwell Wabco ABS braking system – one (1) tool in total. _____

37.0 TRAINING

37.1 The Contractor shall provide at their expense, operational and maintenance training by qualified staff for Fire Department Mechanical Services Branch and Training Branch personnel. _____

37.2 The training shall be conducted in separate sessions for each group of personnel. Each session shall be sufficient in duration and shall provide adequate familiarization and orientation on the apparatus, to the satisfaction of the Contract Administrator.

37.3 For the purpose of bidding, Bidders should plan on 2 days of training. _____

37.4 The training shall be conducted in Winnipeg at a location to be designated by the Contract Administrator. _____

37.5 State if VHS video tape or CD Rom training aides on the type of apparatus being offered are available. _____

38.0 PERFORMANCE RELIABILITY

38.1 The responsibility for the design of the complete apparatus, its performance and reliability shall rest upon the Contractor.

38.2 The term "repeated failures" (3 times) as determined by the Contract Administrator, as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the apparatus inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, or assembly.

Minor items or ordinary service adjustments are not included, or considered under the scope of "repeated failures", as well as other factors, such as

a) operational damage due to accidents,

b) misuse

c) lack of proper maintenance, service and lubrication attention by not following the manufacturer's preventative maintenance schedule.

38.3 Where the apparatus develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance, at no cost to the City with a reapplied, full warranty.

39.0 WARRANTY

39.1 Further to GC.10.01, the warranty on the apparatus shall include:

39.1.1 100% replacement parts and labour at no cost to the City.

39.1.2 Shall cover the complete equipment and all parts thereof against any defects of workmanship, construction and materials for three (3) years from the effective date of the Certificate of Total Performance.

39.1.3 A new three (3) year warranty period shall be provided for any article that is repaired or replaced under the terms of the "repeated failures" clause (Section 38.0 PERFORMANCE RELIABILITY)

a) The new warranty period shall be effective from the date of acceptance of the repaired or replaced article.

39.2 The apparatus is of vital importance to the City in providing essential services and, accordingly, all warranty items brought to the attention of the Contractor by the City shall be rectified expediently.

39.2.1 The City reserves the right to effect warranty repairs to the apparatus, at full cost to the Contractor, should the Contractor fail to perform in a timely manner.

39.3 In the case where the Bidder proposes that warranty work be performed by a third party **or** by the City of Winnipeg Fire Paramedic Service,

39.3.1 Any work performed by the Fire Paramedic Service's Mechanical Services Branch shall be charged to the Contractor at the Branch's shop rate in effect at the time the work is performed.

39.3.2 The City reserves the right to reject any bid where the proposal for warranty work is deemed unacceptable by the Contract Administrator.

39.4 In the case where the Contract Administrator and the Contractor have determined that the repair time will be in excess of five (5) Calendar Days

39.4.1 The Contractor shall supply a unit for use, equivalent to the one being offered during the downtime period. _____

If the Contractor is unable to provide a unit then the cost of a spare unit from the Winnipeg Emergency Response Service will be billed to the Contractor. _____

40.0 PARTS AVAILABILITY

40.1 The Contractor shall have an established dealer/representative located within 10 kilometers of the City of Winnipeg limits. _____

40.2 Regular Servicing Parts

The Contractor's Winnipeg dealer/representative shall stock parts required for regular servicing, as outlined in the manufacturers service and maintenance manual. _____

40.3 Replacement Parts

Replacement parts shall be made available to the City of Winnipeg within twenty-four(24) hours, consistent with the essential service requirements of the apparatus. _____

41.0 LITERATURE

41.1 Bidders shall submit current descriptive, detailed literature within three (3) Business Days of a request by the Contract Administrator. _____

FORM O: QUESTIONNAIRE

1.0 STATE – the delivery time of the complete order from the date of official notification of award: (See D5.5)

_____

2.0 LIST – any significant features that will be supplied standard on the unit being offered, but were not specifically mentioned in the Detailed Specifications:

_____

_____

_____

3.0 LIST – three current users of the offered model:

_____

_____

_____

4.0 STATE – the name and location of the established dealer/representative that is within 10 kilometers of the City of Winnipeg:

_____

_____

_____

5.0 Does the equipment being offered meet or exceed the minimum requirements of the Detailed Specifications?

_____

6.0 LIST – any deviations that might be considered less than equal to the Detailed Specifications:

_____

_____

_____

_____