

## FORM N: DETAILED SPECIFICATIONS 24004

### **33,000 LBS. GVWR CONVENTIONAL CAB AND CHASSIS WITH VAN BODY**

#### **1. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

- 1.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 1.2 **Proponents shall state “yes” for compliance or state “deviation”,** or give a reply where requested to do so. Deviations and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specifications is used, the City will also consider deviations and/or equivalents.
- 1.3 Lengthy explanations of deviations may be included in a separate document and must reference the appropriate Detailed Specification.
- 1.4 Each Proponent is required to fill in every blank. Failure to do so may be used as a basis for rejection of bid.
- 1.5 It will be the responsibility of the Proponent to inform the City of any errors or omissions in these Detailed Specifications, for under this Contract, the Contractor shall be held responsible to ensure that the manufacturer will be responsible for the design, performance, reliability and satisfactory operational function of the unit.

#### **2. DESCRIPTION OF EQUIPMENT**

These specifications describe a **33,000 LBS. GVWR Conventional Cab & Chassis with a Van Body** and other equipment and features as specified herein. The Winnipeg Fire Paramedic Service (WFPS) intends to acquire a Conventional Cab & Chassis with a Van Body that is a highly specialized piece of equipment that will be responding to hazardous materials calls. The vehicle must incorporate the highest level of safety components to effectively protect WFPS personnel when travelling in and subsequently when operating this unit.

- 2.1 The **33,000 LBS. GVWR Conventional Cab & Chassis with a Van Body** shall be a new 2025 model year or newer.
- 2.2 The **33,000 LBS. GVWR Conventional Cab & Chassis with a Van Body** and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 2.3 The **33,000 LBS. GVWR Conventional Cab & Chassis with a Van Body** shall be the manufacturer's latest model, as may be modified by these specifications. The **33,000 LBS. GVWR Conventional Cab & Chassis with a Van Body** including all auxiliary equipment, shall be furnished complete and ready for use. All parts not specifically mentioned but which are required for the complete unit shall conform in strength, quality of material and workmanship, to the best standards and engineering practice in the industry.
- 2.4 The ratings specified herein merely state the minimum values acceptable to the City, not implying that those values are sufficient for the design of the particular equipment being bid.

#### **3. OTHER SPECIFICATIONS AND STANDARDS**

- 3.1 All applicable SAE Standards form an integral part of the vehicle specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 3.2 **33,000 LBS. GVWR Conventional Cab & Chassis with a Van Body** shall comply with the applicable regulations:

Transport Canada, National Safety Mark, NSM: <http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>

Manitoba Safety and Health Regulation, Parts 12, 16, 22: <https://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php>

Canadian Motor Vehicle Safety Standards C.M.V.S.S. [http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,\\_c.\\_1038/section-sched3.html](http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html)

Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker. <http://web2.gov.mb.ca/laws/regs/index.php?act=h60>

Canadian Standards Association, CSA: <http://www.csagroup.org/>

Under Writers of Canada, U/L: <http://www.ulc.ca/>

Society of Automotive Engineers, SAE: <http://www.sae.org/>

City of Winnipeg Lighting Visibility Standard: <http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

Manitoba Building Code: [https://web2.gov.mb.ca/laws/regs/current/\\_pdf-regs.php?reg=31/2011](https://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=31/2011)

- 3.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the units.

#### 4. REFERENCES

- 4.1 Provide five (5) references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

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#### 5. MAKE & MODEL

- 5.1 State year, make and model of chassis being bid: \_\_\_\_\_

#### 6. FUEL

- 6.1 Where applicable, all equipment must be fully fueled upon delivery (no exceptions).

7. SPECIFICATIONS:		BIDDER TO STATE "YES" OR STATE DEVIATION
7.1	Medium Duty, conventional cab truck chassis 2 door, 4x2 axle.	_____
7.2	GVWR: Approx. 33,000 lbs.	_____
7.3	Payload: Approx. 10,000 lbs.	_____
7.4	Configuration: DRW Dual Rear Wheel.	_____
7.5	Wheelbase: approximately 185" or as required for a 22' van body, <b>state</b> .	_____
7.6	Cab to rear axle approximately 165" or as required for 22' van body, <b>state</b> .	_____
7.7	Engine: Diesel Engine, 325hp and 750ftlbs of torque. <b>State</b> make and model.	_____
7.8	Transmission: 6-speed Allison automatic Heavy-Duty Transmission.	_____
7.9	External transmission oil cooler	_____
7.10	Differential: Heavy Duty locking or limited slip. <b>State</b> rear axle ratio:	_____

7.11	Heavy duty high amp alternator, approx. 200 amps output: <b>State</b> amperage.	_____
7.12	Block heater: Immersion type, 750 Watt, 120 V with plastic, covered recessed male plug, located under driver's side door.	_____
7.13	Coolant: Antifreeze to -35°C.	_____
7.14	Dual Batteries: Heavy duty dual batteries approx. 70 amp/hour. <b>State</b> CCA.	_____
7.15	Steering: Tilt and power.	_____
	Front Suspension: Taper leaf springs with shock absorbers.	_____
	Rear Suspension: IROS Air suspension.	_____
7.16	Brakes: Air Brakes with ABS, Traction Control, Electronic Stability Program with Traction Control.	_____
7.17	Rims: Heavy duty 22.5" wheels.	_____
7.18	Tires – Front Michelin XZE, rear, Michelin XDS 2, 11R22.5 Tires or equivalent. <b>State</b> make model and size.	_____
7.19	Full-size rear spare wheel & tire with carrier.	_____
7.20	Mud-flaps: Front.	_____
7.21	Traction Control/Roll Stability Control.	_____
7.22	Mirrors: heated dual power exterior with turn signals indicators.	_____
7.23	Windshield wipers: Intermittent, rain sensing.	_____
7.24	Wiper blades: Winter blades with heavy duty.	_____
7.25	Remote key fobs if available	_____
7.26	Front heat and air conditioning.	_____
7.27	Door locks: Power.	_____
7.28	Windows: Power.	_____
7.29	Seats: Two (2) bucket seats cloth or cloth and vinyl, air suspension w/foldable armrests.	_____
7.30	Interior lights: Dome with door switches on front doors.	_____
7.31	Map lights: front.	_____
7.32	Radio: AM-FM with Bluetooth® technology, for use with cellular phones, "hands-free" capable, voice command activated through vehicle's radio circuit.	_____
7.33	Cup holders: front.	_____
7.34	Front door side pockets.	_____
7.35	Air bags: front driver's and passenger.	_____
7.36	12-Volt power point, <b>state</b> location.	_____

- 7.37 Bumper: Chrome, full width c/w license plate provision. \_\_\_\_\_
- 7.38 Colour Interior: black or grey. \_\_\_\_\_
- 7.39 Colour Exterior: white. \_\_\_\_\_
- 7.40 Windows: All windows to be tinted. \_\_\_\_\_
- 7.41 Wheel Well liners: front only. \_\_\_\_\_
- 7.42 Backup alarm, approx. 97 dB. \_\_\_\_\_
- 7.43 Perimeter anti-theft alarm. \_\_\_\_\_
- 7.44 Rear View Camera. \_\_\_\_\_
- 7.45 Power Inverter 12V to 110V, 400W. \_\_\_\_\_

**VAN BODY**

- 7.46 Length 22' dry freight body. \_\_\_\_\_
- State** make and model of the van body: \_\_\_\_\_

- 7.47 Interior height approx. 84". \_\_\_\_\_
- 7.48 Interior width approx. 91". \_\_\_\_\_

- 7.49 Exterior and cargo area construction: \_\_\_\_\_
- Heavy duty steel under structure with 3" I-beam floor cross members. Fully undercoated. \_\_\_\_\_
  - White one-piece FRP front wall panel. \_\_\_\_\_
  - Pre-painted white aluminum side panels, 1 3/8" "Z" posts riveted or bonded to .040" aluminum sheet. \_\_\_\_\_
  - Solid recessed bulkhead wall between cab and body. \_\_\_\_\_
  - Aerodynamic Roof & Corner Radius. \_\_\_\_\_
  - Plywood walls full height 3/8" sides 1/2" front wall. \_\_\_\_\_
  - Full plywood floor 1 1/8" thickness. \_\_\_\_\_
  - Roof 032" aluminum sheet with anti-snap roof bows. \_\_\_\_\_
  - Rear Door: roll-up rear door with stainless steel rivets. \_\_\_\_\_
  - Side access door with entry stairs. \_\_\_\_\_
  - Rear frame: Corrosion resistant satin coat steel rear frame, primed with epoxy primer and painted with polyurethane paint. \_\_\_\_\_

- 7.50 Installation: the body shall be installed on the cutaway chassis including, but not limited to, mounting hardware, fasteners, isolators etc. \_\_\_\_\_

- 7.51 Mud flaps: anti-sail type. \_\_\_\_\_

- 7.52 Cargo control: variable, tie down points and wall rail system to secure cargo during transport. \_\_\_\_\_

- 7.53 Rear liftgate: hydraulic cylinders and/or chain and sprocket drive, 1600 lbs capacity, Aluminum platform approx. 89" Width x 55" Load Depth plus 12" Taper, travel height up to approx. Platform to have anti-roll off feature. 50". Dual controls (fixed control and remote pendant), weather proof. \_\_\_\_\_

**State** make and model of the liftgate: \_\_\_\_\_

### Lighting and Electrical

- 7.54 Conformance: \_\_\_\_\_  
• LED Lighting  
• C.M.V.S.S.  
• Manitoba Highway Traffic Act.
- 7.55 Electrical: All wiring to be colour coded, loomed and properly secured. \_\_\_\_\_
- 7.56 Electrical Connectors: All electrical connectors to be crimped, soldered and then sealed using heat shrink tubing. \_\_\_\_\_
- Joining of Wires: All joining of wires to be soldered and sealed using heat shrink tubing or approved OEM weather tight connections. \_\_\_\_\_
- Note: Crimp on electrical connectors for joining wires are not acceptable.
- 7.57 One (1) recessed interior LED dome light with switch in rear and cab, exterior LED clearance lights with plug-in wiring.
- 7.58 Recessed stop, turn and back up lights. Taillights, back-up lights and warning lights to be fully visible when tailgate is lowered to horizontal position. \_\_\_\_\_
- 7.59 Marker lights: on van body. \_\_\_\_\_
- 7.60 Wiring Routing: Any holes required to run wires through shall be drilled (not punched), grommeted and sealed. \_\_\_\_\_
- 7.61 Body weight: estimated weight of body with lift gate, **State** \_\_\_\_\_
- 7.62 Payload with van body and lift gate installed: Approx. 6000 lbs. **State** Payload: \_\_\_\_\_
- 7.63 Colour Exterior: white. \_\_\_\_\_
- 8.0 **WARRANTY**
- 8.1 All warranty information shall be detailed and include all exclusions. \_\_\_\_\_
- The Contractor shall provide all published warranty information upon delivery of the equipment.
- Bidder shall state all warranty information.
- 8.2 Basic vehicle (Comprehensive): **State** terms: \_\_\_\_\_
- 8.3 Drivetrain coverage: **State** terms: \_\_\_\_\_
- 8.4 Roadside assistance: **State** terms: \_\_\_\_\_
- 8.5 Corrosion (Sheet metal) **State** terms: \_\_\_\_\_
- 8.6 Corrosion (Sheet metal rust-through): **State** terms: \_\_\_\_\_
- 8.7 Body warranty: **State** terms: \_\_\_\_\_
- 8.8 Body Paint: **State** terms: \_\_\_\_\_

8.9 Body electrical: **State terms:**\_\_\_\_\_

9.0 **DELIVERY**

9.1 Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.V.I.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB. \_\_\_\_\_

9.2 **State:** earliest delivery time from date of award:\_\_\_\_\_

Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.

9.3 **Delivery Contact:** The Contractor shall contact the Contract Administrator prior to delivery of the equipment. \_\_\_\_\_

9.4 **P.D.I:** A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list. \_\_\_\_\_

10.0 **MANUALS**

10.1 Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD or USB is preferred where available. \_\_\_\_\_

10.2 Operator's manual: One (1) per unit shall be supplied with the units when delivered: \_\_\_\_\_

11.0 **PARTS/LABOUR PRICING:**

11.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount** \_\_\_\_\_%

11.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount** \_\_\_\_\_%

12.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

12.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, transmission, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing and first transmission service. \_\_\_\_\_

12.2 The Contractor must provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during Preventative Maintenance servicing. \_\_\_\_\_