

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF AN I-DENT SPECIALTY VEHICLE

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

City Province Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City Province Postal Code

GST Registration Number (if applicable)

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

Email Address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

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/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract By submitting a bid in response to this Tender, the Bidder certifies that it has read, understands, and agrees to the terms and conditions of this Tender and that the Tender, 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.

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.

10. Indigenous Self-Declaration The City is requesting that Bidders identify if their business is at least 51% owned by one or more Indigenous persons of Canada.

YES, 51% or more Indigenous ownership

NO, it is not

This information is being gathered for statistical purposes only and will not be used for purposes of evaluation.

11. Signatures

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 B9)

SUPPLY AND DELIVERY OF AN I-DENT SPECIALTY VEHICLE

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	I-DENT Specialty Body	20005	Each	1	
2.	19,500 lbs. GVWR, 4wd, Regular Cab & Chassis	20006	Each	1	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 20005

I-DENT SPECIALTY BODY

1. INTENT

- 1.1 It is the intent of these specifications to describe a nominal 18 ft. x 8.5 ft. specialty body suitable for use as a mobile I-DENT vehicle transporting personnel and equipment to major crime scenes. The I-DENT body shall be installed on a Class 5 regular cab and chassis vehicle to be supplied by the Contractor (see Detailed Specifications 20006 included).
- 1.2 The I-DENT body shall be the manufacturer's latest model, as may be modified by these specifications. The I-DENT vehicle, 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.
- 1.3 It will be the responsibility of the Bidder to inform the City of any errors or omissions in these 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.
- 1.4 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.

2. OTHER SPECIFICATIONS AND STANDARDS

- 2.1 All applicable SAE Standards form an integral part of the chassis specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 2.2 The complete I-DENT vehicle shall comply with the applicable regulations:
- Manitoba Highway Traffic Act
 - Canadian Motor Vehicle Safety Standards, CMVSS Transport Canada
 - National Safety Mark, NSM
 - Manitoba/Winnipeg Safety and Health Act, Parts 12, 22
 - Canadian Standards Association, CSA
 - Under Writers of Canada, ULC
 - Society of Automotive Engineers, SAE
- 2.3 All welding and welding designs of the load supporting elements shall conform to the requirements of the Canadian Standards Association Standard (CSA) W47.1-03 and W59-03.
- 2.4 The completed vehicle shall be complete with a National Safety Mark, NSM.
- 2.4.1 **State NSM Number:** _____

3. QUALIFICATIONS OF MANUFACTURER

- 3.1 The manufacturer of the I-DENT body shall have a minimum of five (5) years continuous experience manufacturing and installing emergency services bodies and equipment of the type being offered. The manufacturer shall have in effect a complete and documented quality control program ensuring the compliance with all applicable standards.

4. QUALIFICATIONS OF THE BIDDER

- 4.1 The Bidder shall be a manufacturer or authorized distributor/supplier of customized van bodies and specialty equipment bodies.
- 4.2 For the purposes of Warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or major portion thereof, shall be dedicated to the installation, service, and maintenance of customized specialty bodies and equipment being offered.
- 4.3 Further to B12, Bidders shall provide a description of the facility including, but not limited to, number of qualified staff, years of service experience on specialty bodies, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

5. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 5.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders 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 specification is used, the City will also consider deviations and/or equivalents.
- 5.2 Each Bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

6. REFERENCES

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

7. MAKE AND MODEL

- 7.1 **State** make and model of I-DENT body being bid: _____

8. CAB AND CHASSIS

- 8.1 The cab and chassis shall be a new, 2019 or 2020 regular cab and chassis complying with Detailed Specifications 20006 in accordance with the instructions given.

9. BODY DIMENSIONS

- 9.1 Body length, interior (measured to front wall) – 18 ft. approx., **state** length. _____
- 9.2 Body height, interior – 78 in. approx., **state** height. _____
- 9.3 Floor height – 36 in. approx., **state** height. _____
- 9.4 Overall height – **state**. _____
- 9.5 Body width, exterior – 100 in. approx., **state**. _____

10. VAN BODY, EXTERIOR

- 10.1 Exterior sidewall material – modular body constructed of aluminium, fully welded into an integral structure or aluminium snap lock panels, **state** material. _____
- 10.2 Roof material – seamless aluminium roof. _____
- 10.3 Body frame – welded tubular steel cage. _____
- 10.4 Floor frame – welded steel floor frame and mounting plates c/w heavy duty cross members. _____
- 10.5 Wheel wells – shall include stainless steel or aluminium wheel liners. _____
- 10.6 Frame and body frame to be primed with a suitable rust inhibitor primer. _____
- 10.7 Underbody to include double walled aluminium or galvanized steel panned/ sandwiched floor design to protect frame and prevent corrosion. _____
- 10.8 Insulation – 1-2 in. polystyrene foam board insulation or two-part expanding foam. **State** insulating material being bid. _____
- 10.9 Cab over section – with walk through access to cab c/w curtain. _____
- 10.10 Rear door – single rear door, flush with the rear of the body, left side hinged. _____
 - 10.10.1 Door opening dimension – approx. 36"W x 78"H. _____
 - 10.10.2 Door window – one (1) approx. 24"W x 24"H, frosted safety glass with applicable labels. _____
 - 10.10.3 Door handle – chrome or stainless steel, lockable from exterior with key. _____
 - 10.10.4 Rear door keys – four (4) sets required. _____
 - 10.10.5 Rear door stay – designed to hold rear door in fully opened position, "Grabber" U-style (Cast Products Inc.) or equivalent. _____
 - 10.10.6 Weather stripping – bulb type automotive style. _____
- 10.11 Entry assist handle – one (1) aluminium or stainless steel grab handle with rubber insert, approx. 24 in. length, located for ergonomic entry and egress of van body. _____
- 10.12 Rear bumper – full width, heavy duty steel construction bumper, approx. 16 in. deep with grip strut step surface, tapered ends, powder coated and rear tow hooks. _____

11. EXTERIOR COMPARTMENTS AND EQUIPMENT

- 11.1 For the purpose of these specifications:
 - L – Length, along or parallel to chassis frame rails.
 - H – Height or vertical.
 - D – Depth on horizontal plane across chassis.

Driver Side, Front to Back

11.2 Compartment 1, diesel generator compartment – enclosed compartment housing a 12,000 Watt Onan diesel generator or equivalent, mounted on a slide-out tray on the driver’s side of the body. Compartment door to be louvered, vertically hinged and lockable. Fuel for the generator shall be supplied from truck fuel tank. **State** make and model of generator being bid. _____

11.3 Compartment 2, underbody – located at lower portion of body, in front of rear axle, 48"L x 24"H x 20"D approx., top hinged door c/w two (2) heavy duty gas charged lift supports. _____

Curb Side, Front to Back

11.4 Exterior storage compartment 3 – located at lower portion of body, in front of rear axle, 48"L x 24"H x 20"D approx., top hinged door c/w two (2) heavy duty gas charged lift supports. Compartment to allow for provisions and bracketry for two (2) 10 lb. ABC fire extinguishers. _____

11.5 Exterior storage compartment 4 – located at lower portion of body, in front of rear axle, 48"W x 24"H x 20"D approx., top hinged door c/w two (2) heavy duty gas charged lift supports. _____

11.5.1 Compartment 4 divider and shelves – one (1) centre vertical divider, full height, with two (2) horizontal shelves per side. Shelves to include a 1 in. lip, height adjustable @ 2 in. increments. _____

11.6 All compartment door openings shall be sealed using automotive, bulb type, rubber gaskets. _____

11.7 Drip moulding – required above each door opening. _____

11.8 Compartment door handles – stainless steel paddle type handles with locks, keyed alike, four (4) sets of keys, Tri-Mark, Eberhard or equivalent. _____

11.8.1 Compartment door hardware – chrome or stainless steel hinges and latches with adjustable striker plates. _____

12. INTERIOR EQUIPMENT

12.1 Interior height – 78 in. approx., **state** height. _____

12.2 Interior floor material – heavy duty black rubber floor, Altro bus flooring or equivalent. **State** material. _____

12.3 Bulkhead – required with sliding door with latch. Top section of door to include a Lexan window, 20"W x 18"H approx.. _____

12.4 Ceiling and side wall material – white, moisture and impact resistant fibreglass reinforced plastic panels, “Kemlite” material or equivalent, **state** material. _____

Driver Side, Front to Back

12.5 Television – top corner mounted, facing rearward, securely mounted, 32 in. LCD flatscreen. _____

12.6 Upper cabinetry – approx. 110 in. L, split into four (4) equidistant 18"H x 14"D

- compartments, consisting of top hinged doors, latchable and suited for a mobile application. _____
- 12.7 Workstation – 110"L x 26"D approx., 36 in. working height, top surface to be stainless steel. _____
- 12.7.1 Drawer Sets – two (2) 3-drawer sets, 18 in. L approx., one on each side of workstation between floor and top of work surface. _____
- 12.8 Open area under workstation – approx. 72 in. L, with suitable provisions for an office chair. _____
- 12.9 Office chair – one (1) located under workstation with provisions to secure while travelling. _____
- 12.10 Shelving unit – 44"L x 26"D x full height c/w five (5) height adjustable full-width aluminium shelves, 2 in. lip per shelf, adjustable in 2 in. increments. Shelving unit to be closed off with a roll-up Amdor or equivalent. _____
- 12.11 Fresh water storage tank – located between shelving unit and washroom, approx. 18 in. base containing fresh water, fill port located from exterior of body c/w exterior drain. 200 L capacity approx., accessible for servicing, **state** water capacity. _____
- 12.12 Restroom – fully enclosed at rear driver's side corner of body, 54"L x 32"D approx., c/w lockable door and floor drain. _____
- 12.12.1 Toilet – low flush, **state** make and model being bid. _____
- 12.12.2 Sink – stainless steel corner mount sink. _____
- 12.12.3 Sink lever – single lever or paddle style handles. _____
- 12.12.4 Instantaneous water heater – tankless, electric inline water heater. **State** make and model being bid. _____
- 12.12.5 ABS holding tank – one (1) required for grey water and body waste. Tank to be complete with a 12-Volt electric heater to prevent freezing in winter conditions that are normal to the City of Winnipeg. **State** tank capacity. _____
- Note: The City may consider an incinerator tank in lieu of the ABS holding tank. **State** proposed method being bid:

- 12.12.6 Water pump – 12-Volt demand type. **State** make and model being bid. _____

Curb Side, Front to Back

- 12.13 Lunch counter – approx. 32 in. L including a built-in microwave oven (top) and a 3-4 ft.³, 3-way refrigerator (bottom). A laminate countertop approx. 40 in. from floor shall be provided above the fridge and below the microwave. _____
- 12.14 Lunch/briefing table area – approx. 60"L x 32"D approx. single pedestal table c/w two (2) swivel chairs permanently fastened to the floor, _____

- pedestal mount, padded vinyl, low back. Chairs shall face the table, one facing front, one facing the rear of the vehicle. _____
- 12.15 Dry Erase board – 60"L x 36"H approx., located above lunch/briefing table. _____
- 12.16 Open area – 48-52 in. L approx. containing six (6) hooks for jackets and clothing, open to the room. _____
- 12.17 Shelving unit 1 – 34"L x 25"D approx. x full height, three (3) height adjustable shelves at 2 in. increments. Shelving unit to include two (2) side hinged doors, opening in the middle, latchable. The bottom section to include a pull-out drawer approx. 14 in. H. _____
- 12.18 Shelving unit 2 – identical to shelving unit 1, maximizing space to rear of vehicle. _____
- 13. ELECTRICAL & LIGHTING**
- 13.1 All vehicle lighting shall conform to C.M.V.S.S. (latest revision) and Manitoba Highway Traffic Act requirements. _____
- 13.2 Supplier installed lighting to be LED Truck-Lite or equivalent and shall include the following components: Specifications 13.3 to 13.8. _____
- 13.3 Combination stop/turn/tail lights – one (1) per side with mounting grommets, flush or recess mounted in rear of body. _____
- 13.3.1 High mounted stop/turn/tail lights – one (1) per side with mounting grommets, flush or recess mounted in rear of body. _____
- 13.4 Turn signal flash rate – 70-90 flashes per minute. _____
- 13.5 Back-up lights – one (1) per side with mounting grommets. _____
- 13.6 3-light cluster – three (3) 2½ in. lights or penny lights c/w mounting grommets. _____
- 13.7 Clearance lights – 2½ in. clearance lights or penny lights c/w mounting grommets. _____
- 13.8 Licence plate lamp – LED c/w license plate bracket. _____
- 13.9 Lighting harnesses – all harnesses shall be internally grounded, properly routed and secured, protected from damage. _____
- 13.10 Junction box – Truck-Lite P/N 50400 or equivalent complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of truck frame, protected from road debris including all harness connections. _____
- 13.11 All plug in connectors shall be coated with a di-electric grease or anti-corrosion compound prior to assembly. _____
- 13.12 Antennas – three (3) roof mounted antennas, City of Winnipeg supplied, to be installed by Contractor on vehicle roof. Access ports for servicing antennas. Additional metal required for antenna ground planes. Exact locations to be discussed at pre-production meeting. The antennas will terminate in the kick-over area above cab. _____

Note: Antennas are the only City of Winnipeg supplied equipment.

- 13.13 Cat6 wiring – Contractor to supply and install Cat6 Ethernet Network cable from workstation to cab-over area. Additional lengths are required, coiled in cab-over area. _____
- 13.14 Warning lights, body mounted – six (6) red Whelen M-Series and six (6) blue Whelen M-Series lights with chrome flanges, alternating flash patterns, mounted as follows:
 - i) Front facing – one red, one blue on front section. _____
 - ii) Rear facing – one red, one blue. _____
 - iii) Side facing, driver’s side – two red, two blue. _____
 - iv) Side facing, passenger side – two red, two blue. _____
- 13.15 Warning lights, grille mounted – four (4) Whelen ION Series, two red, two blue, front facing in truck grille. _____
- 13.16 Warning lights shall be wired “hot” (i.e., able to use without the key on), wired through a single, chassis manufacturer’s OEM dash mounted switch, labelled “Warning Lights” with a permanent type label. _____
- 13.17 Traffic Advisor, rear facing – one (1) Whelen TANF85AA or equivalent, centre mounted at rear of body protected from accidental damage. _____
- 13.17.1 Controller – in-cab mounted in an ergonomic location, wired “hot”. _____
- 13.18 Siren package – required with speaker, including one full function hands free siren, one (1) Whelen SA315 series or equivalent speaker, and speaker bracket. _____
- 13.19 Scene lights/flood lights – six (6) Whelen M9 Series, two per side, two rear mounted. _____
- 13.20 Interior lights – continuous Luma Bar LED lighting under driver’s overhead cabinets, in washroom, and two (2) continuous strips along main aisle way. _____
- 13.21 All switches and warning lights shall be identified with permanent engraved type labels or chassis manufacturer’s OEM labels. No labels allowed on upper surface of dash. _____
- 13.22 Generator – 12 kW quiet diesel generator including generator compartment and door, provisions required for serviceability. _____
- 13.23 Automatic charging relay – required. _____
- 13.24 Electrical package – basic 110V, 50-Amp including 110V inlet, 30 ft. shore power cord c/w auto eject, 50-Amp electrical box, 50-Amp main breaker and 50-Amp transfer switch. _____
- 13.25 Converter – 110V to 12V, 60 Amp with charger. _____
- 13.26 Deep cycle batteries – two (2) Group 31 extreme duty batteries with volt meter, securely mounted to a stainless steel battery tray with hold-down clamps. _____

- 13.26.1 Battery compartment – vented to the outside of the compartment, batteries to be accessible on a stainless steel battery tray. **State** location. _____
- 13.27 Wiring access panels – covered bulkhead/access panels running along driver and passenger side interior near roof for the purpose of running cabling from front to rear of vehicle. The panels shall also provide for future wiring after build is complete. _____
- 13.28 120V duplex receptacles, interior – eight (8) required, GFI, CSA approved including USB ports. Locations shall be:
- i) Four (4) wall mounted above workstation on driver side. _____
 - ii) Two (2) wall mounted above side table, passenger side. _____
 - iii) Two (2) mounted in kick-over area above cab. _____
- 13.28.1 120V duplex receptacles, exterior – two (2) required, one (1) mounted near rear of body, passenger's side and one (1) mounted near front of body, passenger side. The receptacles shall be GFI, CSA approved, weatherproof type, with a hinged cover. _____
- 13.29 12V outlets – two (2) required in kick-over area. _____
- 13.30 Roof mounted power vents – two (2) ceiling mounted vents, reversible airflow with controls, one in washroom and one centre mounted near front of van body. _____
- 13.31 All wiring installed by body manufacturer/installer (including accessories, work lights, etc.) shall be colour coded, loomed, properly secured and protected from damage. _____
- 13.32 All electrical connectors shall be crimped & soldered, then sealed with heat shrink tubing. _____
- 13.33 All joining of wires shall be soldered and sealed using heat shrink tubing (crimp-on electrical connectors for joining wires are not acceptable). _____
- 13.34 Any holes required to run wires through body, cab, steel sections, etc. shall be drilled (not punched), grommeted and sealed. _____
- 14. INSTALLATION**
- 14.1 Mounting of the body shall be in accordance with the chassis manufacturer's guidelines for body mounting including, but not limited to, guidelines for tire and suspension clearance. _____
- 14.2 Welding to truck chassis frame is not permitted. _____
- 14.3 Mounting brackets shall be bolted to chassis frame using Grade-8 fasteners. _____
- 14.4 Any holes required in chassis frame web must be drilled and reamed to fit bolts. _____
- 14.5 All non-continuous body seams (joints) shall be caulked with an automotive grade elastomeric sealant. _____
- 14.6 Departure angle of completed unit – 12° approx. **State** angle. _____

14.7 Overall height decal – engraved type, installed in chassis cab. _____

14.8 Isolators – all interfaces between aluminium and steel are to be separated by $\frac{1}{16}$ in. thick rubber or neoprene sheet to prevent galvanic corrosion. Bolts used on aluminium or between aluminium and steel shall be bolted through with stainless steel bolts and non-conductive bushings. _____

15. MISCELLANEOUS

15.1 Interior heater – Espar heating system or equivalent, as recommended from body manufacturer for extreme cold climate. Two (2) additional electric base board heaters are also required. **State** details of heating package being bid including makes and models of heaters. _____

15.2 Roof mounted Air Conditioner – 13,500 BTU, ducted with remote thermostat. **State** make and model being bid. _____

15.3 Carbon monoxide monitor – required. _____

15.4 Front console – manufacturer’s recommended console including backlit, rocker type switches. Details of the proposed console to be discussed at pre-production meeting. _____

15.5 Escape hatch – roof mounted, **state** dimensions and actuation details. _____

16. COLOUR AND FINISH

16.1 Van body – shall be painted white to match chassis cab with two (2) coats of polyurethane enamel, Dupont Imron, Akzo Sikkens or equivalent. _____

16.2 Floor, underside – steel and aluminium sections of deck, sub-frame and under body shall be undercoated with an asphalt and rubber based material, Proform or equivalent, applied as per manufacturer’s recommendations. _____

16.3 Rear bumper – galvanized steel. _____

16.4 Aluminium or stainless steel components, unfinished. _____

17. TECHNICAL DOCUMENTS AND MANUALS

17.1 Bidders shall provide the following, within three (3) Business Days upon request of the Contract Administrator:

17.1.1 Two (2) sets of three (3) view drawings showing complete unit including chassis, body and interior views. _____

17.1.2 Estimated front and rear axle weights of the complete unit (chassis, body, etc. including full fuel, full water tank and two operators). _____

17.1.3 Service facility description. _____

17.1.4 Body to frame mounting plans. _____

17.2 Prior to final inspection the Contractor shall provide the following:

a) Weigh scale ticket of the completed unit, fully fuelled, including two (2) operators. _____

b) Operator's manuals for cab & chassis and Onan generator – two (2) sets required. _____

c) Parts and maintenance manuals – two (2) sets required with the following comprising a set:

i) Maintenance manual. _____

ii) Unit parts book. _____

iii) Electric wiring diagram (as built) of the completed unit. _____

NOTE: The manuals supplied with this Contract must be in English and shall be specifically for the unit supplied. General purpose manuals are not acceptable. Contract will not be considered complete until these sets of manuals have been delivered. Manuals must be supplied at the time the unit is delivered. CD or USB format preferred.

17.3 Bidder shall provide information on any manuals that are available in an electronic format.

18. DELIVERY

18.1 The completed unit shall be serviced, ready for operation and delivered F.O.B with the freight prepaid to the City of Winnipeg, Winnipeg Fleet Management Agency, 185 Tecumseh Street, Winnipeg, Manitoba within **sixty-two (62) calendar weeks** from the date of award. The Contractor shall contact the Contract Administrator prior to delivery of the equipment. Equipment shall be delivered within 8:00 am and 3:00 pm on Business Days. _____

18.2 A pre-delivery inspection shall be performed by the Contractor on all equipment. _____

19. PERFORMANCE RELIABILITY

19.1 The responsibility for the design of the complete I-DENT vehicle, its performance, and reliability shall rest upon the Contractor. _____

19.2 The term "*repeated failures*" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle 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 operational damage due to accidents, misuse or lack

of proper maintenance, service and lubrication attention by not following the manufacturer's preventative maintenance schedules.

19.2.1 Where the vehicle develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

20. WARRANTY

20.1 The Contractor shall provide all detailed published warranty information (including all exclusions) at the time of delivery of the equipment. **State** the following warranties:

20.2 Body, exterior – **state**.

20.3 Body, interior – **state**.

20.4 Electrical, lighting, etc. – **state**.

20.5 Generator – **state**.

20.6 Finish, i.e., paint, gelcoat, powder coat, etc. – **state**.

20.7 Provide details on any extended Warranty coverage available.

FORM N: DETAILED SPECIFICATIONS 20006

19,500 lbs. GVWR, 4WD REGULAR CAB AND CHASSIS

1. TYPE

1.1 Shall be a Model Year 2019 or newer, 19,500 lbs. GVWR, Regular Cab & Chassis suitable for use as an I-DENT Specialty Body. The cab & chassis shall be furnished complete and ready for use with all features and equipment as described herein.

1.2 **STATE YEAR, MAKE AND MODEL BEING BID:** _____

2. OTHER SPECIFICATIONS AND STANDARDS

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

Society of Automotive Engineers, SAE:
http://en.wikipedia.org/wiki/Society_of_Automotive_Engineers

2.2 The completed unit and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker on the driver's side window.

3. SERVICE FACILITY

3.1 For the purpose of warranty repairs, the manufacturer shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to B12, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

4. 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 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 specification is used, the City will also consider deviations and/or equivalents.

4.2 Each Bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

ITEM 5.	SPECIFICATION	BIDDER TO STATE "YES" OR STATE DEVIATION
5.1	GVWR	19,500 lbs., state _____
5.2	GAWR, front	7,000 lbs. approx., state _____
5.3	GAWR, rear	14,500 lbs. approx., state _____
5.4	Cab configuration	Regular cab _____
5.5	Wheelbase	As recommended for 18 ft. body, state _____
5.6	CA	As recommended for 18 ft. body, state _____

5.7	Engine	6.0 L class diesel, state displacement	_____
5.8	Engine cooling	Maximum factory cooling package	_____
5.9	Coolant	Extended Life Coolant, -37°C (-35°F)	_____
5.10	Block heater	Required, submersible coolant type, with cord through grille	_____
5.11	Alternator	320 Amp	_____
5.12	Battery	Dual (750 CCA x 2) capacity	_____
5.13	Transmission	Automatic	_____
5.14	Transmission cooling	Maximum factory cooling package	_____
5.15	Front axle	4wd with dash mounted electronic shift	_____
5.16	Rear axle	Limited slip or locking type	_____
5.16.1	Rear axle ratio	4.88 approx., state ratio	_____
5.17	Shock absorbers	Standard, front and rear	_____
5.18	Tires	Standard size to match GVWR, maximum traction tires, 225/70Rx19.5 approx.	_____
5.18.1	Front	G-rated, traction tread radials, state make, model and size	_____
5.18.2	Rear	G-rated, traction tread radials, state make, model and size	_____
5.19	Wheels	Aluminium rims with wheel nut indicators installed on every second wheel nut, front and rear	_____
5.20	Mudflaps	Required front mounted, OEM, moulded	_____
5.21	Brakes	Power with ABS	_____
5.22	Steering	Power	_____
5.23	Cab steps	Custom made running boards extending entire length of underside of doors, each side. Constructed of AGS 6061 alum grip strut, 9-1/2" x 2" x .08", c/w 1/8" alum. checkerplate as an inside kick plate. Support brackets shall consist of 1 1/2" x 1 1/2" x 1/8" RC alum. square tubing with 1/4" alum support plates.	_____
5.23.1	Cab steps, mounting	Cab steps shall be mounted using the existing holes in the body with 3/8-16 nut inserts to secure the mounting brackets to the body.	_____
5.23.2	Isolators	All interfaces between alum. and steel shall be separated by 1/16 in. rubber or neoprene sheet and shall be bolted through with stainless steel bolts and non-conductive bushings	_____
5.24	Seats, front	Cloth high back captain's chairs buckets with armrests and centre console	_____
5.25	Floor covering	Rubber matting throughout with throw-in, winter type rubber floor mats	_____
5.26	Air conditioning	Required	_____
5.27	Tilt steering	Required	_____
5.28	Cruise control	Required	_____

5.29	Door locks	Power	_____
5.30	Remote keyless entry	Two (2) required	_____
5.31	Auxiliary switches	Six (6) dash mounted switches	_____
5.32	Ignition keys	Four (4) keys required	_____
5.33	Windows	Power	_____
5.34	Air bags	Required, front driver's and passenger	_____
5.35	Windshield	Tinted	_____
5.36	Windshield wipers	Intermittent	_____
5.36.1	Wiper blades	Winter blades with heavy duty rubber boot or Reflex style	_____
5.37	Mirror, interior	Rearview, windshield mounted	_____
5.38	Mirrors, exterior	Electric power mirrors, dual exterior, black polycarbonate, 5" x 8" approx., manually folding and telescoping, integrated turn signal indicators	_____
5.39	Cab interior lights	Interior dome with door switches	_____
5.40	Flasher circuit	Suitable for installation of LED style body lighting	_____
5.41	Radio	Factory installed AM/FM with Aux. IN, USB port and "hands-free" Bluetooth [®] capability	_____
5.42	12-Volt power point	Required	_____
5.43	120-Volt Outlet	Chassis mfg. OEM, front seat area duplex.	_____
5.44	Bluetooth [®] technology	For for use with cellular phones, "hands-free" capable, voice command activated through vehicle's radio circuit	_____
5.45	Rear view camera	In-cab, approx. 7" display screen, state make and model being bid	_____
5.46	Back-up alarm	STAR 99901 or OEM back-up alarm, 97 dB(A) rating, installed at rear of body, located to be protected from damage	_____
5.47	Colour:		
	- Exterior	Bright white	_____
	- Interior	Blue or grey	_____
5.48	Fuel tank	150 L capacity approx., fully fuelled upon delivery	_____
5.49	Bumper, front	Chrome	_____
5.50	License plate bracket	Front bumper mounted w/license plate mounting hardware	_____
5.51	Tow hooks	Two (2) front tow hooks attached to frame	_____
5.52	Flare kit	Three (3) triangular reflectors, CVSA approved, Truck-Lite 798 or equivalent	_____
5.53	Fire extinguisher	5 lbs. short, ABC type	_____
5.54	First aid kit	Manitoba Provincial approved kit, P36, supplied loose	_____

5.55 Operator's manual One (1) per vehicle _____

Warranty

5.56 Chassis warranty The Contractor shall provide all detailed published warranty information (including all exclusions) at the time of delivery of the equipment. **State** the following warranties:

5.56.1 Basic vehicle **State** _____

5.56.2 Batteries **State** _____

5.56.3 Drivetrain **State** _____

5.56.4 Cab structure **State** _____

5.56.5 Cab corrosion **State** _____

5.56.6 Frame & crossmembers **State** _____

5.56.7 Cab paint **State** _____

5.56.8 Engine **State** _____

5.56.9 Towing coverage **State** _____

5.56.10 Transmission **State** _____

5.56.11 Axles, front & rear **State** _____

5.56.12 Exhaust system **State** _____

5.57 Manuals Parts, repair and technical service manuals including preventative maintenance schedules for life of unit, CD or online format preferred _____

5.58 Delivery point Vehicles shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. to the WFMA 185 Tecumseh Street, Winnipeg MB _____

5.59 Delivery time Body and chassis within 62-Calendar weeks from the date of award of contract. Equipment shall be delivered within 8:00 am and 2:00 pm on Business Days _____

5.60 Delivery contact The Contractor shall contact the Contract Administrator prior to delivery of the equipment _____

5.61 PDI A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____