FORM A: BID
(See B7)

1. Contract Title — SUPPLY AND INSTALLATION OF A WELDING TRUCK BODY

2. Bidder

_____
Name of Bidder

_____
Street

_____
City Province Postal Code

_____
Facsimile Number

(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 E-mail 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 is in receipt of a notice of award from the Award Authority 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.

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. 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 B8)

SUPPLY AND INSTALLATION OF A WELDING TRUCK BODY

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	S & I of a Welding Truck Body	09034	Each	1	$_____	$_____

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

(in words)_____

_____

_____
Name of Bidder

FORM N: DETAILED SPECIFICATIONS 09034

WELDING TRUCK BODY

(WFMA – Repair Facility 7)

1.0 SCOPE

1.1 These specifications describe the supply and installation of a steel deck complete with fibreglass and aluminum side packs and compartments, an under-hood air compressor, and a deck mounted welder, mounted on a City owned cab & chassis vehicle (see Section 15.0 Installation for chassis description).

1.2 The unit shall be furnished complete and ready for use. All parts not specifically mentioned, but which are required to complete and place the unit into successful operation, shall be furnished as though specifically mentioned in these specifications. The complete unit and all parts thereof, shall conform in strength and quality of material and workmanship to the best standards and engineering practice of the industry.

1.3 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 unit.

1.4 The ratings specified herein merely state the minimum values acceptable to the City. There is no intent of implying that these values are sufficient for the design of the unit being bid.

2.0 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.

2.2 All welding shall conform to the CSA/CWB Standards W47.1-03 and W59-03.

2.3 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.

3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

3.1 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 shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

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

4.0 NATIONAL SAFETY MARK

4.1 State NSM number. _____

5.0 NOMENCLATURE

5.1 For the purpose of these specifications:

L ……. Length along or parallel to the chassis (longitudinal axle of chassis)

H …….Height vertical

D …… Depth on horizontal plane across vehicle

Front ……. Direction towards the cab of vehicle

Rear …….. Direction towards the trailer hitch of vehicle

6.0 MAIN DECK ASSEMBLY

6.1 Deck – $^{3}/_{16}$ in. steel plate, upper surface coated with Line-X material. _____

6.2 Width – 90 in. approx. _____

6.3 Length – 132 in. approx. _____

6.4 Tie down hooks – four (4) flush-mounted hooks, Buyers Products 7622BP or equal. Exact mounting locations to be determined at time of installation. _____

6.5 Bulkhead – steel construction, located at front of deck area, full width and full height of cab, 1½" x 1½" x $^{3}/_{16}$" steel tubing frame. Lower half of bulkhead to be $^{3}/_{16}$ in. steel plate, upper half to be expanded metal. _____

6.6 Under deck compartment – 24"L x 6"H x 90"D mounted transversely across the full width of the chassis, under the deck and located at the rear. _____

6.6.1 Compartment floor – ⅛ in. steel plate, reinforced as required to carry steel stock. _____

6.6.2 Compartment doors – $^{3}/_{16}$ in. aluminum checkerplate, two (2) total, one on each side for access to compartment from both sides of truck. _____

6.6.3 Doors to be 5 in. in height, fold-down type with heavy duty stainless steel hinges and stainless steel or nickel plated latches. Grease fittings required on each hinge. _____

6.6.4 Rear cross sill – minimum 6 in. structural steel channel, reversed to protect lights. Lights to be recessed into channel. _____

7.0 SIDE PACKS AND COMPARTMENTS

Driver's side

7.1 Vertical compartment 1 – fibreglass, located at driver's side front, mounted above and below deck level, 33"L x 63"H x 18"D approx., c/w three (3) height adjustable shelves w/8 in. O.C. dividers on each shelf. Compartment shall include eight (8) locking swivel hooks, top mounted, double on left and right sides, quad on rear wall. _____

7.2 Vertical compartment 2 – fibreglass, integral with vertical compartment 1, located at driver's side, mounted above and below deck level, 26"L x 63"H x 18"D approx., c/w five (5) height adjustable shelves w/8 in. O.C. dividers on each shelf. _____

7.3 Storage compartment 1 – ⅛ in. aluminum checkerplate construction, located at rear driver's side corner under deck aft of rear wheels,

24"L x 18"H x 18"D approx., bottom hinged door c/w check chains. _____

Passenger's side

7.4 Storage compartment 2 – ⅛ in. aluminum checkerplate construction, located at front passenger's side corner under deck, 30"L x 18"H x 18"D approx., bottom hinged door c/w check chains. _____

7.5 Vertical compartment 3 – fibreglass, oxy-acetylene compartment, located along side storage compartment 2 towards the rear, mounted above and below deck level, 31"L x 63"H x 18"D approx., properly vented. Bottom shall be lined with ¾ in. plywood and heavy duty rubber matting. _____

7.5.1 Vertical compartment 3 shall be equipped with brackets to positively secure one (1) size 23 acetylene bottle and one (1) size 44 oxygen bottle while transporting. Bottles will be "*AI Top*" brand name, supplied by the City. _____

7.5.2 Hose storage – vertical compartment 3 shall accommodate oxygen and acetylene hose storage provision, required for 50 ft. of ¼ in. ID siamese welding hose (hose not required). _____

7.6 Storage compartment 3 – ⅛ in. aluminum checkerplate construction, deck mounted on passenger's side directly towards the rear of vertical compartment 3, 24"L x 18"H x 18"D approx., bottom hinged door c/w check chains. Compartment to be equipped with three (3) pullout shelves. _____

7.6.1 Rubber bumpers – two (2) required directly below storage compartment 3 to protect door from contacting body. _____

7.7 Storage compartment 4 – ⅛ in. aluminum checkerplate construction, located at rear passenger's side corner under deck aft of rear wheels, 24"L x 18"H x 18"D approx., bottom hinged door c/w check chains. _____

8.0 FIBREGLASS SIDEPACKS AND STORAGE COMPARTMENT SPECIFICS

8.1 All compartment handles and latches to be chrome or stainless steel, Tri-Mark or equal, lockable w/key, all compartments keyed alike. _____

8.2 Latches to be equipped with adjustable striker plates. _____

8.3 D-rings – required on fibreglass compartments. _____

8.4 Paddle style handles – required on all aluminum storage compartments. _____

8.5 Weatherstripping – all compartment door openings shall be sealed using automotive, bulb type rubber gaskets. _____

8.6 Door hold-open devices – removable check chains on aluminum storage compartments, rigid rod type holdbacks on fibreglass vertical compartments. _____

8.7 Drip mouldings – required above all fibreglass compartment door openings. _____

8.8 Shelving – fibreglass construction with a 2 in. front and rear lip. All edges shall be finished. Adjustable shelving shall be adjustable at 2-3 in. increments. Dividers shall be fibreglass. _____

8.9 All compartment floors (with the exception of vertical compartment 3) shall be protected with perforated dry deck plastic matting. _____

8.10 Protection plates – required for fibreglass compartments, ⅛ in. aluminum checkerplate, installed on the exterior faces of the fibreglass compartments above and below deck levels. _____

8.11 Deck sides and kickplates caulked along edges using elastomeric sealant. _____

9.0 DECK MOUNTED EQUIPMENT

9.1 Welder – supplied by the City, installed by the Contractor, Lincoln Ranger 305G engine driven welder, mounted on the passenger side, approx. 8 in. behind bulkhead. Controls for the machine shall be facing outward (toward the perimeter of the truck) to enable operator to have access to the controls from the curb. Exact mounting location to be determined at time of installation. _____

9.1.1 The welding machine shall be fastened to the deck using cadmium plated studs and nuts. The deck shall be reinforced as required. _____

9.1.2 Welder must be able to be removed for servicing. _____

9.1.3 Engine oil drain shall be remote mounted through the deck floor to a serviceable location. The drain line shall be protected by a steel pipe. _____

9.1.4 110 Volt extension cord/reel – City supplied, retractable, installed by contactor. Exact mounting location to be determined at time of installation. _____

9.1.5 Welding cable/reels – City supplied, installation required for two (2) welding cable hose/reel assemblies. Reels to be stacked together horizontally, deck mounted directly beside (towards the rear) of storage compartment 3. _____

9.1.6 Cable routing – welding cable shall be provided and routed from the welding machine to the reels with the welding cable concealed. _____

Note: For additional information regarding the welder, cables and reels, bidders may contact Mr. Eugene Romaniuk, Winnipeg Fleet Management Agency, tel: (204) 986-4181.

9.2 Vice – Record No. 6, swivel type, 6 in., bolted to deck at passenger side rear. Exact mounting location to be determined at time of installation. _____

9.3 Pipe vice – Rigid BC-610 or equal, ¼" to 6" pipe, swivel type, bolted to deck at driver's side rear. Exact mounting location to be determined at time of installation. _____

9.4 Fire extinguisher – 10 lb. ABC c/w vinyl cover, mounted on a steel bracket attached to RH side of vertical compartment 2. _____

10.0 STORAGE RACKS

10.1 Front Steel Storage Rack

10.1.1 Material – steel construction 1½" x 1½" x $^{3}/_{16}$" square tubing. _____

Dimensions and location – 10'L x 24"W with cross braces required on nominal 5 ft. centres. Rear cross brace shall be bolt-on, removable type. Rack shall be mounted slightly towards the passenger side of the vehicle along deck length. Exact mounting location to be determined at pre-production meeting. _____

Rearmost section of the rack shall be positioned approx. 78 in. measured forward from the rear deck. Front portion of rack shall be cantilevered over chassis cab. _____

A $^{3}/_{16}$ in. steel plate (6"H x 36"W) shall be installed at the front of the storage rack that is cantilevered over chassis cab to prevent stock material from moving forward when the vehicle is braking. _____

Storage rack sides – approx. 6 in. height, tapered towards front. Front shall be open for storage of longer material. Design to be approved at pre-production meeting. _____

Vertical supports required at rear, between cab and body and between the aforementioned supports. Rear and centre supports shall have steel foot pads bolted to the deck, four (4) bolts per pad. Deck shall be reinforced on the underside with steel plates. _____

Eyelets – five (5) ⅜ in. chain link design required for tying off material, spaced 2 ft. apart, mounted along the length of storage rack. Inner diameter dimensions of eyelets approx. ¾" x 1½". Exact mounting locations to be determined at time of installation. _____

Ratchet straps – three (3) required. Exact mounting locations to be determined at time of installation. _____

10.2 Rear Steel Storage Rack - Removable

10.2.1 Material – steel construction, 1½" x 1½" x $^{3}/_{16}$" square tubing. _____

10.2.2 Dimensions and location – 36 in. width, same height as front storage rack. When installed the rack shall be located at the rear of the deck centred along length of deck. _____

10.2.3 Rear rack shall be installed so that it countersinks 4 in. into the surface of the deck, with a friction fit and be removable by hand without the use of tools. The rear rack shall have no bolts. The racks shall be held in place with a quick release fastening device such as a latch. _____

11.0 UNDERHOOD COMPRESSOR

11.1 Make and model – V*MAC* model UNDERHOOD70. _____

11.2 Air/Oil separator tank – aluminum construction, mounted along frame rail. _____

11.3 Oil cooler – liquid to liquid type, mounted below radiator. _____

11.4 Engine speed control – operable when compressor clutch is engaged, wired through chassis neutral safety switch. _____

11.5 Air hose reel – enclosed type, self-rewinding c/w ⅜" x 50' air hose, installed above storage compartment 3, Reelcraft or equal. State make and model of air hose reel being bid. _____

11.5.1 Ball valve – required at hose reel air inlet. _____

11.6 Filter/regulator and lubricator – ½ in. combination unit, protected from damage. Mounting location to be determined at time of installation. _____

12.0 REAR BUMPER AND HITCH

12.1 Rear bumper – 2-piece, heavy duty steel bumper, tapered outer ends with a recess for a centre mounted trailer hitch, grip strut surface. _____

12.2 Dimensions – approx 40 in. width at the kickplate tapered on each side to a dimension of approx. 24 in. _____

12.3 Upper steps – two (2) steel foot steps, 7" x 7" square, grip strut material, mounted under rear cross sill, each mounted 10 in. approx. from the rear centre line of the truck. _____

12.3 Rear hitch plate – ½ in. thick solid steel, (laminated plates unacceptable) installed to chassis frame. _____

12.3.1 "A" frame hitch reinforcement – 3" x 3" x ⅜" angle iron, welded to back of hitch plate and bolted to chassis frame web. _____

12.4 Trailer hitch – combination hitch, Premier 150 with 2 in. ball or approved equivalent hitch, installed on hitch plate at a 20 in. height. _____

12.5 Lunette eyes for safety chains – two (2) Buyers Products B56730. _____

12.6 Trailer plug socket – shall be installed in rear hitch plate. _____

Note: The cab & chassis will be supplied with a Ford OEM trailer plug socket and all necessary wiring.

13.0 ELECTRICAL AND LIGHTING

13.1 All lighting to conform to C.M.V.S.S. and Manitoba Highway Traffic Act. _____

13.2 Supplier installed lighting and lighting equipment shall be Truck-Lite (except where otherwise noted) and shall include the following components:

13.2.1 Combination turn/stop and taillights – P/N 44302R, one (1) per side with 40700 mounting grommets, flash rate 70-90 fpm. _____

13.2.2 Back-up lights – P/N 44206C, one (1) per side with 40700 mounting grommets. _____

13.2.3	Light cluster – three (3) only P/N 10250R with P/N 10700 mounting grommets, located to be protected from damage.	_____
13.2.4	Rear light mounting location – taillights, back-up lights and 3-light cluster shall be mounted in the rear cross sill of the flat deck.	_____
13.2.5	Clearance lamps – P/N 10250R and 10250Y with P/N 10700 mounting grommets.	_____
13.3	No clearance light shall protrude beyond the body.	_____
13.4	Licence plate lamp – P/N 15040, complete with licence plate bracket.	_____
13.5	Harnesses – Truck-Lite 50 Series Harness system, properly routed and secured.	_____
13.5.1	All harnesses shall be internally grounded, no exceptions.	_____
13.6	Back-up alarm – STAR model 99901, mounted between frame rails at rear of truck, located to be protected from damage and road spray.	_____
13.7	Junction box – P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of truck frame, protected from damage and road spray.	_____
13.8	All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly.	_____
13.9	Mini light bars – two (2) Whelen R2LPPA., 360° visibility c/w ⅜ in. roundbar beacon guard, located on either side of front steel storage rack at front of body.	_____
13.10	Strobe lights – two (2) Whelen P/N 5GA00FAR lights, located inside of back-up lights, rear facing in rear sill.	_____
13.10.1	Mini light bars and strobe lights shall be wired through the ignition, wired through a single OEM dash mounted switch, labelled “Beacon”.	_____
13.11	Deck lights – two (2) Truck-Lite 81380, mounted on storage rack directly behind and below beacons, facing rearward. The deck lights shall be wired through the ignition, wired through a single OEM dash mounted switch labelled “Deck Lights”. Exact mounting location to be determined at time of installation.	_____
13.12	Traffic advisor – Whelen TANF85 c/w controller, mounted on a swivel bracket on deck area, slightly towards the driver’s side, near bulkhead. Exact location to be determined at pre-production meeting.	_____
13.13	Trailer connector – factory Ford OEM trailer plug shall be mounted and installed in the rear hitch plate.	_____
13.14	All wiring for warning lights and back-up alarm shall be colour coded, loomed and properly secured.	_____
13.14.1	All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing.	_____

13.14.2 All joining of wires shall be soldered and sealed using heat shrink tubing or approved OEM weathertight connections (crimp on electrical connectors for joining wires are not acceptable). _____

13.14.3 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as required. _____

14.0 WELDING

14.1 All welds shall be continuous welds. _____

14.2 All welding performed shall conform to CSA Standard W47.1-03 and W59-03. _____

Note: All welds are subject to inspection by a City of Winnipeg Qualified Inspector.

15.0 INSTALLATION

15.1 Any holes required in the chassis frame web must be drilled and reamed to fit bolts. _____

15.1.1 Drilling on chassis frame flanges is not permitted. _____

15.1.2 Welding on the chassis frame is not permitted. _____

15.2 Tire clearance – min. 4 in. with rear springs fully loaded. _____

15.3 Clearance between body and back of truck cab shall be 3 in. approx. _____

15.4 The welding body shall be installed on the following cab & chassis vehicle:

2009 Ford F-450

- 16,500 lbs. GVWR
- Extended Cab
- 84 in. CA
- 2WD
- 6.4 L Diesel engine
- TorqShift® 5-Spd. Automatic
- Horizontal discharge exhaust

15.4.1 The chassis will be available for pick-up on or before June 26, 2009. The Contractor is responsible for pick-up and delivery of the unit as stated in Section 18.0 below. _____

16.0 MISCELLANEOUS

16.1 Rear fenders – black plastic or polyurethane, ½-round fenders c/w stainless steel mounting hardware. _____

16.3 Traffic cone storage – two (2), steel construction, front bumper mounted. Exact mounting location to be determined at time of installation. _____

17.0 COLOUR AND FINISH

17.1 Fibreglass side packs – gelcoat impregnated, colour impregnated white to match cab colour. _____

17.2 Steel surfaces – all steel surfaces, including hitch plate, steel brackets, storage racks, deck, etc. (with the exception of the upper deck surface) shall be sandblasted, properly cleaned, primed and finished with the Endura paint process as follows:

17.2.1 Primer – Endura EP521 Intermix Epoxy Primer. _____

17.2.2 Paint – 3-5 mils of Endura EX-2C Topcoat, black. _____

17.3 Line-X – complete upper portion of deck surface to be coated with black Line-X heavy duty non-slip coating, 120 mil thickness minimum. _____

18.0 PICK-UP AND DELIVERY

18.1 Pick-up – the Contractor shall be responsible for picking-up the cab & chassis vehicle from the City upon commencement of the Contract. The vehicle will be available for pick-up at the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg, Manitoba. Pick-up times will be between 8:00 am and 3:00 pm on any business day. The Contractor shall be responsible for any related fuel and Insurance costs to and from their facility. _____

Note: The vehicles will be fully fuelled at the time of pick-up by the Contractor.

18.2 Delivery – the unit shall be serviced, ready for operation, fully fuelled and delivered F.O.B. with the freight prepaid to the Winnipeg Fleet Management Agency, 185 Tecumseh Street, Winnipeg, Manitoba within **twenty-six (26) calendar weeks** from the date of official notification of award of Contract. 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. _____

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

19.0 PERFORMANCE RELIABILITY

19.1 The responsibility for the design of the complete welding body, its performance and reliability shall rest upon the Contractor. _____

19.2 The term *"repeat failures"* as used herein is defined to mean that the same component, assembly, or sub-assembly develops repeated defects, breakdowns and/or malfunctions rendering the unit inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, assembly, or sub-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. _____

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

20.0 WARRANTY

20.1 For the purpose of warranty repairs, the Contractor 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 equipment being offered. Further to B9.1, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience on flat deck equipment, and general service capabilities. A description of the service facility shall be provided within 3-Calendar Days upon request of the Contract Administrator.

20.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that warranty work be performed by the City of Winnipeg Repair Facilities. Any work performed by the City of Winnipeg Repair Facilities shall be charged to the Contractor at the Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2009: $75.00/hr regular time, $102.50/hr overtime and callout).

20.3 The Contractor shall warrant **all equipment** and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City any article that has become defective and not proven to have been caused by negligence on the part of the user within **two (2) years** from the date the equipment is put into service by the City of Winnipeg. _____