

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF A DEDICATED UTILITY VEHICLE FOR SPRAYING

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 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 B9)

SUPPLY AND DELIVERY OF A DEDICATED UTILITY VEHICLE FOR SPRAYING

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Dedicated Utility Vehicle for Spraying with 660L Chemical Storage Tank	16036	Each	1	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16036

DEDICATED UTILITY VEHICLE FOR SPRAYING

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe a **Dedicated Utility Vehicle for Spraying** and other equipment and features as specified herein.
- 1.2 The **Dedicated Utility Vehicle for Spraying** shall be a new 2016 model year or newer.
- 1.3 The **Dedicated Utility Vehicle for Spraying** 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.
- 1.4 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 for the satisfactory operational function of the equipment.

2.0 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.
- 2.2 The **Dedicated Utility Vehicle for Spraying** shall comply with the applicable regulations:

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

Manitoba Safety and Health Act, Parts 12, 22 =
<http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> and <http://www.gov.mb.ca/labour/safety/>

Canadian Standards Association, CSA = <http://www.csa.ca/about/Default.asp?language=english>

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>.

- 2.3 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.

3.0 SERVICE FACILITY

- 3.1 For the purpose 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 a portion thereof, shall be dedicated to the service and maintenance of the type 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, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

4.0 REFERENCES

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

5.0 MAKE & MODEL

- 5.1 **State** make and model of the equipment bid- _____

6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

- 6.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

- 6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

7.0 PERFORMANCE RELIABILITY

- 7.1 The responsibility for the design of the **Dedicated Utility Vehicle for Spraying**, its performance and reliability shall rest upon the Contractor.

- 7.2 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, of 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 schedule.

- 7.3 Where the **Dedicated Utility Vehicle for Spraying** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

- 7.4 The equipment shall be capable of consistent top performance in City of Winnipeg Environment. Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)

8.0 FUEL

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

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Dedicated Utility Vehicle for Spraying** shall have five (5) years continuous experience manufacturing the equipment.

- 9.2 The manufacturer shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry.
- 9.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **Dedicated Utility Vehicle for Spraying** of the type being offered.

10.0 SPECIFICATIONS

**UTILITY VEHICLE
 SPECIFICATIONS**

10.1	Dedicated utility vehicle for spraying designed for use only as a dedicated sprayer. Utility vehicle with slide-in sprayer attachment not acceptable.	_____
10.2	Engine	Approx. 26-28 horsepower V-Twin, 4-stroke, air-cooled, OHV (Overhead Valve)
10.3	Fuel type	Gas
10.4	Fuel capacity	Approx. 5 gallons (18.9 Liters)
10.5	Instrumentation	Hour meter, multi-function display, pressure gauge, fuel gauge,
10.6	Drive train	Three (3) forward speeds, 1 reverse, mechanical axle with differential lock
10.7	Tires	Front: Approx. 20 x 10-10, smooth (treadless) Rear: Approx. 24 x 13-10, turf tread
10.8	Ground speed	Approx. 11 mph (18 km/h)
10.9	Brakes	Front wheel hydraulic disc. Rear wheel hydraulic drum
10.10	Suspension	Front suspension – Double A-arm w/coil over shock; Rear suspension – rigid; rubber tires
10.11	Steering	Hydraulic
10.12	Vehicle controls	Ignition key switch, Choke, Headlight switch, Speed Lock
10.13	ROPS	Rollover protection structure
10.14	Seat	Single cushion seat with high back, manual adjustment with seatbelt.
10.15	Vehicle weight	Approx. 2200lbs.
10.16	Overall dimensions	Approx. measurements with spray system: Length: 160" (4.06 m) (w/booms folded in cradles) Width :70" (1.78 m) (w/booms folded in cradles) Height : 95" (2.4 m) (w/booms folded in cradles)

SPRAYER
SPECIFICATIONS

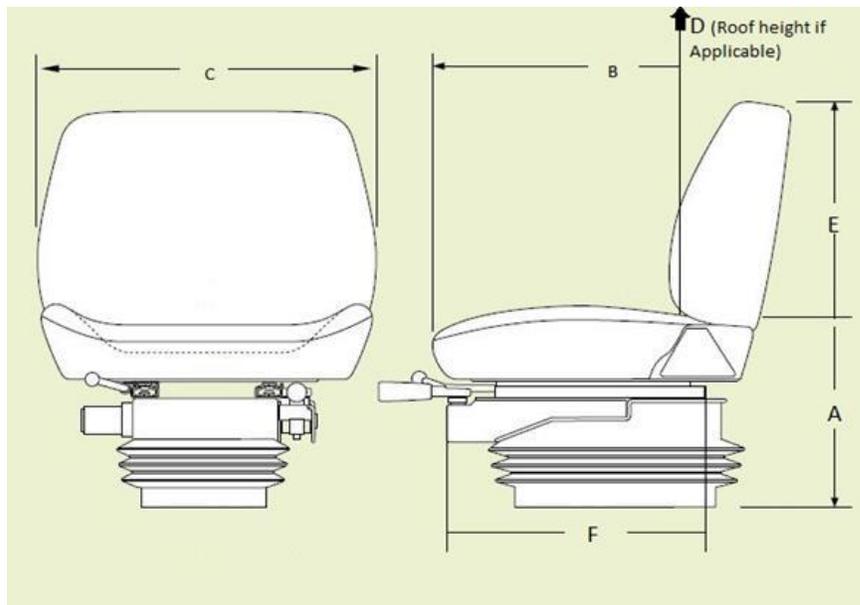
10.17	Solution tank	Impact resistant high density polyethylene with approx. 16" fill well and sump with drain, or equivalent.	_____
10.18	Capacity	Approx. 660 liters	_____
10.19	Fresh water tank	Approx. 18 liters (5 gallons) mounted on side of ROPS	_____
10.20	Spray pump	Diaphragm pump, input speed approx. 300~1150 rpm, Flow rate of approx. 41gpm (155 Imp) @ 40psi (860 rpm).	_____
10.21	Tank agitator	Side mount jet agitation nozzles for full tank agitation	_____
10.22	Operator control console	Spray pump control switch, Agitator jet switch, rate switch, individual boom. On/Off switches, boom actuator switches, indicator lights on pump, agitation and boom switches, throttle lock.	_____
10.23	Boom assembly	Approx. 18.5' wide, triangular truss style, 3 sections	_____
10.24	Actuators	Heavy-duty hydraulic lift actuators	_____
10.25	Nozzle configuration	Triple turret-mount, quick-disconnect with diaphragm check valves.	_____
10.26	Fresh water rinse tank	Approx. 17.5 gallons fresh water rinse kit with separate electric pump, plumbing and dual rinse nozzles.	_____
10.27	Foam marking kit	For parallel path tracking. Selectable foam for either boom or both.	_____
10.28	Boom leveling kit	With ultrasonic sensors to automatically maintain proper spray height over undulating turf	_____
10.29	On board mixing station	For safe loading of chemicals with the need to first mix into a slurry. With built-in bottle wash nozzle and suction lance to pull in powered to liquid products from their container. Stores within the width of the spray vehicle.	_____
10.30	Drift reduction boom cover	Extends approx. 12" below the boom to minimize drift in windy conditions.	_____
10.31	Pivoting hose reel	Electric controlled rewind. With 150' of hose and spray gun with adjustable nozzle.	_____
10.32	Hand wand kit	For use with hose reel	_____

OPERATOR STATION ERGONOMICS

Entry/ Exit

- | | | | |
|-------|------------------------------|--|-------|
| 10.33 | First step entry height | State , height of first step in inches | _____ |
| 10.34 | First handhold entry height | State , first handhold entry height in inches | _____ |
| 10.35 | Access to equipment | State , door opening height in inches | _____ |
| 10.36 | Access to equipment | State , door opening width in inches | _____ |
| 10.37 | Designed to prevent slipping | Anti-slip steps/handholds (Y or N)? | _____ |

Seat (use below diagram to answer questions)



- | | | | |
|-------|---|---|-------|
| 10.38 | Sitting height range from floor (where feet rest) (A) | State , seat height range in inches | _____ |
| 10.39 | Seat length/depth (B) | State , seat length/depth in inches | _____ |
| 10.40 | Seat width (C) | State , seat width in inches | _____ |
| 10.41 | Cab height from seat to roof (if applicable) (D) | State , cab height range in inches | _____ |
| 10.42 | Back rest height (E) | State , back rest height in inches | _____ |
| 10.43 | Seat travel range (F) | State , seat travel in inches | _____ |
| 10.44 | Lumbar support | Is lumbar support provided (Y or N)? | _____ |
| 10.45 | Head rest | Is head rest provided (Y or N)? | _____ |
| 10.46 | Seat is made of breathable material | State , type of seat material | _____ |

Operation

- | | | | |
|-------|--|--|-------|
| 10.47 | a) Reaching distance to usual work | State , reaching distance in inches | _____ |
| 10.48 | b) Maximum reaching distance | State , maximum reach distance in inches | _____ |
| 10.49 | Adjustable pedals (accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 10.50 | Adjustable steering wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 10.51 | Adjustable shoulder belt | Is belt adjustable and anchored (Y or N)? | _____ |

Cargo Area

- | | | | |
|-------|-------------------------------------|--|-------|
| 10.52 | Lid opens to provide adequate space | Adequate space provided (Y or N)? | _____ |
| 10.53 | Loading height | State , trunk height in inches | _____ |

Environment

- | | | | |
|-------|--|---|-------|
| 10.54 | Operator compartment is insulated from equipment noise (while operating) | State , dBA inside cab while operating | _____ |
| 10.55 | Operator insulated from equipment vibration | Is operator insulated from vibration (Y or N)? | _____ |
| 10.56 | Heating/cooling systems | State , cab temperature range | _____ |
| 10.57 | Cab lighting | State , lumens inside cab | _____ |

Maintenance/ Inspection

- | | | | |
|-------|---|--|-------|
| 10.58 | Lift assistance provided (when necessary) | Is lift assistance provided (Y or N)? | _____ |
| 10.59 | Easy access to compartment doors | Is easy access provided (Y or N)? | _____ |

11.0 WARRANTY

- | | | | |
|------|---|--|-------|
| 11.1 | All warranty information shall be detailed and include all exclusions. The successful Bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information. | | _____ |
| 11.2 | The warranty for the Dedicated Utility Vehicle for Spraying shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of 24 months Any article that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City. The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg. | | _____ |

12.0 **DELIVERY**

12.1 Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order _____

12.2 Delivery Time: **Three to four (3-4) calendar weeks** from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

12.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____

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

13.0 **MANUALS**

13.1 Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available. _____

13.2 The following manuals shall be supplied with the units when delivered:
a) Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch _____
b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred. _____

14.0 **PARTS/LABOUR PRICING**

14.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** _____

14.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** _____