

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title LEASE OF STREET SWEEPERS

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 D3 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 ninety (90) Calendar Days following the Submission Deadline.

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)

LEASE OF STREET SWEEPERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT PRICE PER MONTH PER VEHICLE (A)	QUANTITY OF VEHICLES (B)	TERM OF LEASE (C)	EXTENDED AMOUNT (A x B x C)
1	3-Wheeled Street Sweepers	04040	\$ _____	4	35 Months	\$ _____
2	6-Wheeled Street Sweepers	04040	\$ _____	2	35 Months	\$ _____
<p>M.R.S.T. and G.S.T. extra (where applicable) – Do not include in Bid Price.</p> <p>BID PRICE (in figures) \$ _____</p> <p>(in words) _____</p> <p>_____</p>						

 Name of Bidder

Note: Bidders that do not offer a 3-wheeled street sweeper may bid 6-wheeled street sweepers in both Items 1 and 2.

FORM N: DETAILED SPECIFICATIONS 04040

SELF-PROPELLED STREET SWEEPER *(Street Maintenance)*

1.0 INTENT

- 1.1 It is the intent of these specifications to describe the lease of 3 and 6-wheeled, self-propelled street sweepers. The lease shall include full service and maintenance of the entire machines to be performed by the Contractor throughout the entire duration of the lease period.
- 1.2 The leased street sweepers shall be the manufacturer's latest model as may be modified by these specifications. The vehicles shall be furnished complete and ready for use. Any parts not specifically mentioned, but which are required to complete and place the unit in successful operation, shall be furnished as though specifically mentioned in these specifications. The complete units, 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 The ratings specified herein state the minimum values acceptable to the City, not implying that these values are sufficient for the design of the particular 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 The completed street sweepers shall comply with the Canada Motor Vehicle Safety Act and the Manitoba Highway Traffic Act and all regulations thereunder.
- 2.3 The six wheeled street sweepers supplied under this contract shall be complete with a current Manitoba Safety Sticker affixed to the driver's side window. The certification shall be renewed by the Contractor throughout the duration of the lease as required by Province of Manitoba safety regulations.

3.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 3.1 The manufacturer of the street sweepers shall have a minimum of three (3) years continuous experience manufacturing street sweeping equipment of the types being offered.

Note: Upon request of the Contract Administrator, Bidders shall supply (within three (3) business days) a detailed description of the manufacturer's experience and qualifications.

- 3.2 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.
- 3.3 The Contractor shall have a minimum of five (5) years continuous experience servicing, repairing and maintaining street sweeping equipment of the types being offered.

Note: Upon request of the Contract Administrator, Bidders shall supply (within three (3) business days) a detailed description of the contractors experience and qualifications.

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 deviation, or state the information**

requested. All deviation shall be clearly stated and fully detailed. Alternatives shall be considered in accordance with the Bidding Instructions.

4.2 Bidders shall fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

5.0 TERMS OF LEASE

5.1 The length of the lease shall be **thirty-five (35) months, commencing April 1, 2005.** The equipment shall be leased to the City from April 1 to October 31 each year between the years of 2005-2009. Notwithstanding Section D9 of the Supplemental Conditions, the equipment shall be picked-up by the Contractor and removed from City property on November 1 each year between the years of 2005-2009. Similarly, the equipment shall be delivered to the City each year on April 1 until 2009.

Note: If pick-up and delivery days fall on a weekend, the equipment shall be picked-up or delivered by the Contractor on the following business day.

5.2 The City reserves the right to extend the lease a further fourteen (14) months (i.e., April 1-October 31, 2010 and April 1-October 31, 2011) depending on equipment requirements, at the same lease rate bid for Item 1 on Form B: PRICES. The City will notify the Contractor fifteen (15) calendar days prior to the termination date of the lease period if an extension of the lease is required.

5.3 The estimated utilization of the street sweepers is 215 hours per month. If the vehicle is returned by the City with an excess of 215 hours per month over the entire period the unit is leased, the Contractor may charge an hourly rate for the machine over and above the lease rate. If applicable, the additional hourly rate paid by the City will be \$35.00/hour.

5.4 Bidders shall state the rental costs per month, as indicated on Form B: PRICES. The monthly rates shall include the cost of a full maintenance and service contract. The Contractor shall be responsible for maintenance of the complete machines including replacement of any components that fail during normal operation of the machines.

5.5 For equipment leased under this contract, the Lessor shall repair or rectify any defects in workmanship, construction and materials, and shall repair or replace without additional cost to the City, any component that has become defective and not proven to have been caused by negligence on the part of the user throughout the entire duration of the lease Contract.

5.6 The street sweepers are of vital importance to the City in providing essential services and, accordingly, all repair items brought to the attention of the Contractor by the City shall be rectified within 3-calendar days (see Section 5.14). The City reserves the right to effect repairs to the equipment, at full cost to the Contractor, should the Contractor fail to perform in a timely manner.

5.7 Should the Contractor dispute the City's decision on repair work required (as stated in Section 5.6) the Contractor shall contact the Contract Administrator. Details of the unit's defects or damage shall be provided to the Contract Administrator, who shall investigate the Contractor's claims. The unit shall remain as is until the claim has been resolved. The Contract Administrator shall have the final decision in disputes regarding repair work. The Contractor shall have no claim against the City for any costs to rectify defects or damage where defects or damage was rectified without the consent of the Contract Administrator.

5.8 The City shall be responsible for the following items for equipment leased under this Contract:

- Licensing and insurance coverage for the equipment;
- Repair of damage to the equipment where damage has proven to have been caused by negligence on the part of the City;

- Repair or replacement of damaged tires due to road hazards;
 - Normal operating and maintenance supplies including daily and weekly maintenance such as greasing and cleaning.
 - Consumables including fuel, brooms, broom adjustments, dirt shoes and dirt curtains.
- 5.9 The Contractor shall be responsible for the following items for equipment leased under this Contract:
- All scheduled maintenance including (but not limited to) oil and filter changes, and regular service adjustments as recommended by the equipment and chassis manufacturers;
 - All repairs due to mechanical failure or malfunction;
 - Towing costs (if unit is immobile);
 - All conveyor system repair and replacement parts;
 - All parts and labour costs (excluding items listed in Section 5.8);
 - Tires due to normal wear;
 - Two spare tires and rims for all types of tires of both 3 and 6 wheeled sweepers, to be delivered to F.M.A. at 195 Tecumseh Ave.
- 5.10 Upon initial delivery of the equipment, the street sweepers shall be no older than 2003 and with less than 2000 operating hours on the entire unit.
- 5.11 Throughout the remainder of the contract, the street sweepers shall be no more than four (4) model years old and shall have less than 8000 operating hours on the entire machine (for example, during the calendar year 2008 the oldest machine acceptable shall be a 2004 model year). If a machine exceeds the aforementioned model years or operating hours at any time throughout the lease period, the Contractor shall provide a new machine that is less than one (1) year old with less than 1500 operating hours on the entire unit. All machines leased under this contract shall be in excellent operating condition. The Fleet Management Agency will evaluate the condition of used machines bid as required.
- 5.12 The Contractor shall authorize the City of Winnipeg Repair Facilities to perform minor repairs and breakdowns during evenings, nights and weekends as required. The extent of the repairs shall be limited to a maximum of 4-hours per unit per breakdown. For all other repairs, or repairs requiring more than 4-hours labour, the City shall contact the Lessor the following business day. Any work performed by the City shall be charged to the Contractor at the Repair Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2005: \$65.00/hour).
- 5.13 The Contractor shall strive to minimize downtime, i.e., the time that the street sweepers are not available for use by the City. Downtime shall include the time that the equipment is required by the Contractor for regular scheduled servicing or for maintenance of the machines required to correct failures not proven to have been caused by negligence of the user. The machines will be available to the Contractor for regular scheduled servicing or for maintenance during the hours of 4:00 pm – 9:00 pm Monday-Friday (most days) between April 1 and October 31 or as mutually agreed upon by the City and the Contractor.

- 5.13.1 On days, or during times that the equipment is not in use by the City, the City shall make the street sweepers available to the Contractor to perform maintenance and repairs described in Sections 5.5 and 5.13. Said days or times shall not be considered downtime.
- 5.13.2 All regular scheduled maintenance (such as oil changes, filters, etc.) shall be performed by the Contractor either at 1220 Pacific Avenue or at the Contractor's facility. If regular scheduled maintenance is to be performed at the Contractor's facility, the Contractor shall be responsible for pick-up and delivery of the equipment. Said times shall be pre-arranged by the Contractor and the City.
- 5.14 If a machine is unavailable for use due to warranty, repair or maintenance for more than three (3) calendar days, the Contractor shall provide (upon request of the Contract Administrator) a replacement unit at no additional cost to the City.
- 5.14.1 If a machine is down as in the case of an insurance claim or due to damage caused by misuse or negligence on the part of the user the Contractor shall make available a sweeper at a rate of \$35.00 per hour. The sweeper must be in good working order and meet the following specifications.
- 5.15 The lease agreement shall be terminated at any time at the discretion of the Contract Administrator due to poor equipment performance, poor Contractor performance or continual mechanical breakdowns.
- 5.15.1 Due to the termination of the lease agreement as per clause 5.15, the City of Winnipeg shall not be responsible for the balance of payment. The lease agreement shall be prorated accordingly.
- 5.16 The equipment shall be delivered, serviced and ready for operation, F.O.B. to the Fleet Management Agency, 770 Ross Avenue, Winnipeg, Manitoba, no later than 9:00 am on the lease commencement date.
- 5.17 Bidder shall acknowledge compliance with the specifications and requirements of Items 5.1 to 5.16 inclusive.

State yes or no. _____

6.0 3-WHEELED SWEEPER

Note: Sections 6.0–8.0 are applicable to a 3-wheeled street sweeper.

6.1 State make and model being bid: _____

7.0 PERFORMANCE – 3 WHEELED SWEEPER

7.1 The 3-wheeled street sweeper shall be capable of consistent top performance of sweeping road debris and leaves on City streets while being safely and efficiently controlled by one (1) operator while operating within the confines of one (1) traffic lane. _____

7.2 The unit shall be capable of consistent top performance for the functions stated in Section 7.1 during the spring, summer and fall environments which are normal to the City of Winnipeg. _____

8.0 GENERAL SPECIFICATIONS – 3 WHEELED SWEEPER

8.1 Configuration – three wheel, front or rear steer, state type. _____

8.2 Weight and dimensions:

- 8.2.1 Operating weight – 13,000 lbs. nominal, state. _____
- 8.2.2 Wheelbase – 120 in. approx., state. _____
- 8.2.3 Width – 102 in. max., state. _____
- 8.2.4 Sweeping swath – 120 in. min.. _____
- 8.2.5 Suspension – the sweeper shall be equipped with fully sprung guide wheel(s). _____

8.3 Engine:

- 8.3.1 Type – diesel fuelled, liquid cooled, 4-cylinder, 100 hp min. capable of powering all sweeper functions, state make, model and horsepower. _____
- 8.3.2 Engine coolant – rated to -35° C. _____
- 8.3.2 Engine shutdown – low oil pressure and high water temperature shutdown system. _____
- 8.3.4 Battery – 1,000 CCA minimum. _____
- 8.3.5 Block heater – immersion type, 750 Watt minimum with covered, recessed male plug. _____
- 8.3.6 Air cleaner – two stage dry type with restriction indicator mounted on dash of vehicle. _____

8.4 Transmission:

- 8.4.1 Type – hydrostatic capable of variable speeds up to 32 km/hr. _____
- 8.4.2 Road speed control – single foot pedal. _____
- 8.4.3 Direction control – foot or dash mounted operated. _____

8.5 Brakes:

- 8.5.1 Service brakes – internal expanding shoe type, power assisted. _____
- 8.5.2 Parking brake – required. _____

8.6 Wheels & Tires:

- 8.6.1 Steer wheels & tires – steel disk wheels, 9R17.5 radial tires, 14-ply min., state. _____
- 8.6.2 Drive wheels & tires – steel disk wheels, 11R22.5 radial tires, 14-ply min., state. _____

8.7 Fuel tank:

8.7.1 Capacity – 130 L minimum, fully fuelled upon initial delivery. _____

8.7.2 Fuel and water separator – required. _____

8.8 Cab:

8.8.1 Type – fully enclosed pressurized cab, i.e., dust and weather sealed, steel or galvanized steel construction. _____

8.8.2 Climate controls – heater, defroster and air conditioner required. _____

8.8.3 Insulation – cab interior shall be sound suppressed and insulated, in-cab noise level not to exceed 85 dB(A) at any time, measured in accordance with SAE J336. State noise level _____

8.8.4 Seats – dual bucket seats, cloth or vinyl upholstery with arm rests, air or mechanical suspension, seat belts with lap and shoulder harnesses. _____

8.8.5 Dual steering wheel(s) – dual steering with dual controls or centre mount steer, tilt type steering wheel(s). _____

8.8.6 Starter switch – key operated with three (3) sets of keys. _____

8.8.7 Mirrors – interior rear view and dual, West Coast exterior c/w min. 8 in. convex mirrors each side. _____

8.8.8 Side windows – dual sliding, opening type. Bubble style preferred, state. _____

8.8.9 Windshield wiper(s) – electric, 2-speed with washer. _____

8.8.10 Sun visor(s) – required. _____

8.8.11 Radio – AM/FM. _____

8.8.12 Dome light – required with door switch. _____

8.8.13 Grab handle(s) – required, located for ergonomic entry and egress. _____

8.9 Hopper: Front dump preferred 5% bid advantage state type. (See B13.4.2). _____

8.9.1 Capacity – 3-cubic yards useable capacity min., state. _____

8.9.2 Dump height – variable height, ground level up to 110 in. min., state. _____

8.9.3 Lifting capacity – 10,000 lbs. min.. _____

8.9.4 Hopper dump control – dash mounted. _____

8.10 Water system:

8.10.1 Water pump – shall be capable of running dry continuously. _____

8.10.2 Tank capacity – 900 L min., state. _____

8.10.3 Tank material – corrosion proof, polyethylene, stainless steel or equivalent, state material. _____

8.10.4 Low water indicator – required, dash mounted. _____

8.10.5 In-line water filter – required, readily accessible. _____

8.10.6 Water delivery valves – adjustable, variable flow, operator controlled. _____

8.10.7 Hydrant hose – min. 25 ft. length, equipped with 2½ in. NST hydrant coupler. Equipped with a siphon breaker. _____

8.10.8 Storage compartment – required for proper storage of hose. _____

8.10.9 Sweeper shall be equipped with an internal hopper/conveyor flush and wash down system. _____

8.11 Side brooms:

8.11.1 Type – hydraulic driven, 36 in. diameter min., mounted on right and left sides with replaceable segments. _____

8.11.2 Up/down/rotation function – hydraulic with individual in-cab controls and adjustable down pressure. _____

8.12 Main broom:

8.12.1 Type – hydraulic driven, 35” diameter x 62” long approx., state dimensions. _____

8.12.2 Raise/lower – hydraulic raise lower with in-cab controls. _____

8.13 Conveyor:

8.13.1 Type – hydraulic driven conveyor belt having moulded cleats capable of effectively sweeping debris of varying sizes. _____

8.13.2 Speeds – conveyor speed shall be variable and reversible. _____

8.13.3 Conveyor system shall be capable of evenly loading hopper to full capacity without backspilling. _____

8.14 Hydraulic system:

8.14.1 Oil reservoir – approx. 100 L capacity , baffled with sight gauge and a minimum 100 mesh fill neck strainer. _____

8.14.2 Suction filter – 10 micron with restriction indicator in the cab. _____

8.14.3 State details of additional filtration. _____

8.15 Electrical & lighting:

- 8.15.1 All vehicle lighting shall conform to CMVSS (latest revision) and the Manitoba Highway Traffic Act. _____
- 8.15.2 Electrical system – 12 volt negative ground electrical system including combination stop and taillights, sealed multiple beam headlights, high beam/low beam switch, adjustable side broom spotlights, illuminated gauges and instrument panel, internally illuminated rocker switches, self-cancelling directional signals, and hazard switch. _____
- 8.15.3 Electric starter – required. _____
- 8.15.4 Alternator – minimum 120 amp, state make and model. _____
- 8.15.5 Mini light bar – Grote 76813, roof mounted with limb guard. Light shall be activated by a dash-mounted switch, wired through ignition. The switch shall be labelled by a permanent type, engraved style label. _____
- 8.15.6 Windshield wipers – electric, dual speed. _____
- 8.15.7 Back-up alarm – STAR 62-097 or factory installed alarm, 97 dB(A) rating, Installed to be protected from damage. _____

8.16 Colour:

- 8.16.1 Exterior colour – white. _____

9.0 6-WHEELED TRUCK MOUNTED TWIN ENGINE SWEEPER

Note: Sections 9.0–13.0 are applicable to a 6-wheeled street sweeper.

- 9.1 State make and model being bid: _____

10.0 PERFORMANCE – 6 WHEELED SWEEPER

- 10.1 The 6-wheeled street sweeper with separate engines for propulsion and sweeping with an automatic transmission, and dual steering and operator controls shall be capable of road speeds of 110 km/hr minimum and shall have consistent top performance of sweeping road debris and leaves on City streets while being safely and efficiently controlled by one (1) operator while operating within the confines of one (1) traffic lane. _____
- 10.2 The unit shall be capable of consistent top performance for the functions stated in Section 10.1 during the spring, summer and fall environments which are normal to the City of Winnipeg. _____
- 10.3 For safety and to avoid damage to all sweeping components the main broom, conveyor and side brooms shall lift whenever the unit is placed into reverse. _____

11.0 WEIGHT AND DIMENSIONS – 6 WHEELED SWEEPER

- 11.1 Operating weight, empty – 17,000 lbs. nominal, state. _____

11.2 Wheelbase – 120 in. approx., state. _____

11.3 Machine width – 102 in. max., state. _____

11.4 Sweeping swath – 120 in. approx., state. _____

12.0 GENERAL CHASSIS/CAB SPECIFICATIONS – 6 WHEELED SWEEPER

12.1 Type – cab over engine with tilting cab. State make and model of chassis being bid. _____

12.2 GVWR – 32,000 lbs., state. _____

12.3 Tires: _____

12.3.1 Front tires – state size. _____

12.3.2 12,000 lb. front axle with 12,000 lb. springs and shock absorbers. _____

12.3.3 Dual rear tires – state size. (Singles will not be accepted). _____

12.3.4 21,000 lbs. rear axle shall be supported by an air spring system, min. capacity 21,000 lbs.. The system shall allow solid axle performance during sweeping and full suspension during travel. _____

12.3.5 Rear axle, two-speed to allow for proper sweeping modes. _____

12.4 Propulsion engine – inline 6-cylinder diesel, state make and model. _____

12.4.1 Horsepower – 200 hp gross minimum, state. _____

12.4.2 Torque – 520 lb-ft minimum, state. _____

12.4.3 Sweeper engine inline 4-cylinder diesel state make and model. _____

12.4.4 Horsepower 49 HP min. @ 2800 RPM state. _____

12.4.5 Torque 127 lb-ft @1680 RPM. _____

12.4.6 The engine shall be equipped with a full flow oil filter, heavy duty two stage dry element air cleaner with safety element, and fuel filter. _____

12.4.7 Engine radiator and all auxiliary engine driven devices shall be isolation mounted through a dedicated engine frame. _____

12.4.8 The engine shall be equipped with a cab mounted air filter restriction indicator. _____

12.4.9 An air pre-cleaner. _____

12.4.10 Block heater – immersion type, 750 watt minimum with covered, recessed _____

- male plug. _____
 - 12.4.11 Batteries – two (2) maintenance free rated not less than 1300 CCA used to start and run both engines. _____
 - 12.5 Transmission – Allison automatic, with heavy duty oil cooler state type. _____
 - 12.6 Brakes – air with auto slack adjusters state type. _____
 - 12.6.1 Parking brake – Air spring brakes required, state type. _____
 - 12.7 Fuel tank – 220 L capacity minimum, shared by both engines fully fuelled upon initial delivery. _____
 - 12.7.1 Fuel/water separator – required on both engines. _____
 - 12.8 Dual steering – power. _____
 - 12.8.1 Each steering column shall be fully independent with separate steering boxes, drag links, and pitman arms. _____
 - 12.9 Dual seats – air suspension type. _____
 - 12.10 Starter switch – key operated with three (3) sets of keys. _____
 - 12.11 Radio – AM/FM. _____
 - 12.12 Air conditioning – required, factory installed. _____
 - 12.13 Sun visors – required on both sides. _____
 - 12.14 Exterior mirrors – dual West Coast, 7" x 16" minimum. _____
 - 12.14.1 Convex mirrors – 6" auxiliary, mounted below West Coast mirrors. _____
 - 12.15 Windshield wipers – dual speed electric with intermittent. _____
 - 12.16 Cab colour – white. _____
 - 12.17 Flare kit – three (3) triangular reflectors, CVSA approved. _____
 - 12.18 Noise level, interior – maximum 83 dB(A), measured in accordance with SAE J336. State noise level. _____
 - 13.0 SWEeper MODULE – 6 WHEELed SWEEper**
 - 13.1 Hopper:**
 - 13.1.1 Capacity – 3.3 cubic yards useable capacity min., state. _____
 - 13.1.2 Construction – steel construction or combination steel and stainless steel. State details of hopper construction. _____
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13.1.3 Dump height –variable ground level to 114 in. min., state. _____

13.1.4 Curb side dump. _____

13.1.5 Lift capacity – 11,000 lbs. min., state. _____

13.1.6 Full load warning light in the cab to prevent overloads. _____

13.1.7 Hopper dump control – dash mounted. _____

13.1.8 For safety, the cab shall have an “unlevel grade“ indicator. _____

13.1.9 To extend wear life, all scissor lift joints shall be self lubricating. _____

13.2 Water system:

13.2.1 Water pump – capable of running dry continuously. _____

13.2.2 Tank capacity – 1000 L min., state. _____

13.2.3 Tank material – corrosion proof, polyethylene, stainless steel or equivalent, state material. _____

13.2.4 Low water indicator – required, dash mounted. _____

13.2.5 In-line water filter – required, readily accessible. _____

13.2.6 Water delivery valves – adjustable, variable flow, operator controlled. _____

13.2.7 Hydrant hose – min. 25 ft. length, equipped with 2½ in. NST hydrant coupler. Equipped with a siphon breaker. _____

13.2.8 Storage compartment – required for proper storage of hose. _____

13.2.9 Sweeper shall be equipped with an internal hopper/conveyor flush and wash down system. _____

13.3 Side brooms:

13.3.1 Type – hydraulic driven, 42 in. diameter min., mounted on right and left sides with replaceable segments. _____

13.3.2 Up/down/rotation function, and adjustable down pressure – hydraulic with individual in-cab controls. _____

13.4 Main broom:

13.4.1 Type – hydraulic driven, variable speed, 35” diameter x 60” long approx., state dimensions. _____

13.4.2 Raise/lower – hydraulic raise lower with in-cab controls, _____

13.5 Conveyor:

13.5.1 Type – hydraulic driven conveyor belt having moulded cleats capable of effectively sweeping debris of varying sizes. _____

13.5.2 Speeds – conveyor speed shall be variable and reversible. _____

13.5.3 Conveyor system shall be capable of evenly loading hopper to full capacity without backspilling. _____

13.6 Hydraulic system:

13.6.1 Oil reservoir – approx. 75 L capacity, baffled with sight gauge and a minimum 100 mesh fill neck strainer. _____

13.6.2 Suction filter – 10 micron with in-cab restriction indicator. _____

13.6.3 State details of additional filtration. _____

13.7 Electrical & lighting:

13.7.1 All vehicle lighting shall conform to CMVSS (latest revision) and the Manitoba Highway Traffic Act. _____

13.7.2 Electrical system – 12-volt negative ground electrical system including combination stop and taillights, sealed multiple beam headlights, high beam/low beam switch, adjustable side broom spotlights, illuminated gauges and instrument panel, internally illuminated rocker switches, self-cancelling directional signals, and hazard switch. _____

13.7.3 Mini light bar – Grote 76813, roof mounted with limb guard. Light shall be activated by a dash-mounted switch, wired through ignition. The switch shall be labelled by a permanent type, engraved style label. _____

13.7.4 Visibility – sweeper must have 360° visibility and shall be highly visible in all traffic situations. Depending on the make and model being bid, the Contractor may be required to provide additional strobe lighting at the rear of the unit at no additional charge. _____

13.7.4 Back-up alarm – 97 dB(A) minimum. _____

14.0 SLOW MOVING VEHICLE SIGNS

14.1 Slow Moving Vehicle Sign – required on the 3 -wheeled street sweepers, Grote 71152 or equal, rear mounted in a visible location. _____

15.0 MANUALS AND LITERATURE

15.1 The Contractor shall provide two (2) sets of operational manuals and two (2)

sets of maintenance manuals for each make and type of street sweeper for use by the City during the lease period. (CDs are preferred).

- 15.1.1 Bidders shall supply detailed drawing(s) or literature of the street sweepers with their bid.
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16.0 TRAINING

- 16.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The duration of the sessions shall be as long as required for adequate familiarization and orientation of each types of equipment to the satisfaction of the Contract Administrator. The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.
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Note: Pricing should be based on two (2) working days for maintenance personnel and two (2) working days for operating personnel for each equipment type. Final payment of the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

17.0 SERVICE FACILITY

- 17.1 The Contractor shall have a service and maintenance facility located within 10 km of the boundaries of the City of Winnipeg.
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18.0 PARTS AVAILABILITY

- 18.1 Regular maintenance and servicing parts shall be stocked at the Contractor's service facility.
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- 18.2 All other parts not normally stocked for the equipment being bid shall be made available to the City of Winnipeg within 48 hours of notification.
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FORM O: QUESTIONNAIRE

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

2.0 **LIST** three current users of the offered models:

3-Wheeled Sweepers:

6-Wheeled Truck Mounted twin engine Sweepers:

3.0 **STATE** the location of the service facility:

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

5.0 **LIST** any deviations that might be considered less than equal to the Detailed Specifications:
