

PROCUREMENT DEPARTMENT
Rm. 120 Municipal Services Building
Philadelphia, PA 19102-1685
FAX: (215) 686-4716

CITY OF PHILADELPHIA

Hugh Ortman
Procurement Commissioner

June 2, 2010

BID NUMBER: T0XT6760
TITLE: Multi-Function Snow Removal Vehicles - Various Types
DEPARTMENT: OFFICE OF FLEET MANAGEMENT
DATE TO OPEN: June 07, 2010 at 10:30 AM

ADDENDUM # 1

TO ALL BIDDERS:

You are hereby notified of the following changes to the above mentioned bid:

T0XT6760 has been postponed until Monday, June 14, 2010 at 10:30 AM.

-Delete Specification number 82785a.42 and replace with attached Specification number 82785b.42.

-Delete paragraph 4.2.5.1 (6) and replace with the following: Liquidated damages will be in the amount of 150.00 per calendar day per vehicle that delivery of each vehicle exceeds the delivery schedule stated.

-Delete duplicate PRICING PAGES 1-4.

-5.1.3 Add \$_____ for Unit Price.

ADD

-Section 5: PRICING

(PRICES QUOTED MAY NOT EXCEED THREE (3) DECIMAL PLACES)

NOTE:

It is the intent of the City to purchase one of each of the units as long as the cost per unit is consistent with cost that other major airports (located within the United States) paid.

Please sign, date and return this addendum with your bid to the Procurement Department, 1401 J.F.K Boulevard, Bid Room 170A, Philadelphia, PA 19102-1685 as it now becomes a part of the proposal.

Buyer, J. Manton

AUTHORIZED SIGNATURE

FIRM NAME (PRINT)

DATE

JM/cs

Attachment

Type: **MULTI-FUNCTION SNOW REMOVAL VEHICLES**

Spec Code: **82785b.42**

Ref. Purchase Description: **41-V-1N:90**

Vocation: **Snow Removal of Airport Runways**

INTENT: It is the intent of this specification to describe various manufactures and types of Airport Multi Function Snow Removal Vehicles with 22' plow and 20' broom (50/50 10# wire). All units must meet and comply with the following Advisory Circular AC150/5220-20 and AC150/521-5C

The following paragraphs cover all equipment, attachments and superstructures included in the modification to the standard specification(s).

Appurtenances and/or accessories not herein mentioned but necessary to furnish a complete unit ready for immediate use upon delivery shall be included and conform to the best practices known in strength, quality, material and workmanship and be subject to these specifications in full. Should the manufacturer's current published data or specifications exceed these, they shall be considered minimum and be furnished. Dealer must furnish at time of delivery, for each piece of equipment being delivered, a line sheet pertaining to all components of the vehicle. This unit must supply as a minimum all standard equipment of the referenced model(s) in this specification.

All wiring shall be color or number coded throughout. All electrical circuits shall be protected by circuit breakers or fuses. All chassis-to-body wiring shall be of the **DIN / WEATHERPACK** type connections. After market wiring connections shall be crimped and soldered and covered with shrink wrap

All wiring and non-hydraulic hoses and tubing throughout shall be protected by convoluted plastic loom if needed for protection. A nylon abrasion sleeve covering and HYCON clamps or other proven products shall used to protect all hydraulic hoses and tubing if needed. Rubber grommets shall be supplied on all wiring, hoses, and tubing when passing through any bulkheads, body panels, etc., if needed.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

It should be noted that the specific requirements, as outlined below, supersede and/or modify the corresponding paragraphs in the standard **reference purchase description specification**. It also should be noted that any deviation of a line item should be addressed in letter form and included in the bid package.

This specification is not meant to be restrictive. It is recognized that manufacturers may have used different methods to insure integrity of their system. Bidders may substitute, for evaluation, alternate systems and the testing programs or protocols they have conducted to demonstrate compliance of their product. ("Or Approved Equal" Clause)

"OR APPROVED EQUAL"

The mention in the specifications of equipment or material by brand name or by such specified description of the same as is hereby made, is intended to convey to the bidder's understanding, the degree of excellence required. Any article, equipment, or material, which will conform to the standards and excellence so established, and is of equal merit, strength, durability and appearance to perform the desired function, and are in service with other major municipalities in the United States, the Bidder is deemed eligible for offer as a substitute. The qualifications of the offering will be judged as to their conformance with these specifications. Any equipment offered other than herein specified will be subject to a competitive demonstration and evaluation by the using department. This demonstration is to be provided on request within ten (10) working days after the receipt of bids. The result of that demonstration and evaluation will be of prime importance in the recommendation to the governing body for the final contract award.

MODIFICATIONS TO THE STANDARD SPECIFICATIONS (41-V-1N:90)

3.0 GENERAL BIDDING CONDITIONS

**3.1 WARRANTY (100% Parts and Labor and Travel Time, no deductible) Less wear items.
(Submit wear item list with bid BIDDER INTIALS _____)**

Two (2) Years, Unlimited Miles / Hours, Complete Unit and All Added Equipment and Attachments.

BIDDER INTIALS _____

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

NOTE:

All minor repairs (over four (4) labor hours) shall be performed within 2 working days, Sundays excluded.

All major repairs shall be performed within 7 working days, Sundays excluded.

All warranty work performed by City forces will be billed at the rate of \$52.00/hour.

BIDDER INITIALS _____

Transportation to and from the vendor's site, if required, is the successful bidders responsibility. If transportation is performed by City forces it will be invoiced at **\$52.00/hour**.

BIDDER INITIALS _____

If the time intervals for minor and major repairs are exceeded, **the City of Philadelphia reserves the right to perform warranty work with direct invoicing to the successful bidder, not the manufacturer.**

BIDDER INITIALS _____

Copies of Warranty Repair Orders shall be forwarded to the Office of Fleet Management within five (5) days after completion of each repair, including all cost for parts and labor.

BIDDER INITIALS _____

WARRANTY REGISTRATION

The City of Philadelphia requires the successful bidder to supply **WARRANTY REGISTRATION** of all warrantable components.

successful
serial
the City

The warranty registration forms shall be supplied to the City, by the bidder, listing component descriptions, serial numbers and chassis number. Each form shall require the signature of a representative of (OFM), the successful bidder and the subcontractor, where applicable.

sign

If the successful vendor or their subcontractor supply a standard warranty registration form which includes disclaimers, the City reserves the right to refuse to sign. If no other registration form can be supplied, the City shall the standard form as a **"REGISTRATION ONLY"**.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

The City recognizes **only** the warranty terms cited in the Invitation to Bid and agreed to in the contract awarded to the successful bidder, under Warranty, section 3.1 and Engineering Responsibility & Chronic Complaints/Failures, section 3.1.1

The City reserves the right to hold final payment until all warranty registrations are completed and a copy of such registrations supplied to OFM.

BIDDER INITIALS _____

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BIDDER INITIALS _____

3.1.1 ENGINEERING RESPONSIBILITY & CHRONIC COMPLAINTS/FAILURES

The term **CHRONIC COMPLAINTS/FAILURES**, as used herein, shall mean that the same component, sub-component, assembly or part, such as an engine, transmission, differentials, hydraulic system, pumps, etc. including valves, controls, water pumps, high pressure water systems, etc. develops repeated defects, breakdowns, and/or malfunctions.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

The responsibility for the design of this equipment shall rest upon the successful vendor, and they shall consider all elements of operation for which the warranty shall apply. The successful vendor shall be responsible for the compliance and performance of each subcontractor, including all suppliers.

Where the equipment, units and/or sub-components develop **CHRONIC COMPLAINTS /FAILURES** during service operations, the successful vendor will be required to make any engineering design changes, repairs, alterations, retrofits or to make an adequate heavy duty redesign of any component so as to properly correct and continue to render continuous, durable and safe performance. Warranty periods shall be for an additional one year, measured from the completion date of any corrective measures. This additional warranty shall not expire at the end of the initial warranty period even when the correction is performed in the last days of the original, stated, warranty period.

In the event the successful vendor fails to address, or make the proper changes, repairs, modifications, retrofits, or does not render field service after written notice, or unnecessarily delays any actions, the Office of Fleet Management shall have the option of seeking appropriate restitution for loss of production.

The successful vendor shall also be subject for Loss of Use, in the form of rental, lease payments, or a \$200.00 per day fee, while a vehicle is rendered unserviceable or out-of-service.

3.4 REPAIR PARTS AND SERVICE

PREVENTIVE MAINTENANCE INSTRUCTIONS

In addition to the manuals specified above, the vendor shall furnish an equal number of condensed Preventive Maintenance Instructions for all parts of the unit. These instructions shall consist of manufacturers' recommendations for periodic lubrication, cleaning and other preventive maintenance services, and shall be made up in a compact form covering the particular unit delivered.

RECOMMENDED SPARE PARTS

The vendor shall furnish with each service manual a list of recommended spare parts. The list shall include all necessary data for ordering the parts, even if originally furnished by other manufacturers.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

The vendor warrants that they shall maintain or have maintained a stock of repair parts available to the City of Philadelphia within 48 hours for the period described hereafter:

The manufacturer shall supply, through a dealer, a published price list for spare parts required to support the units to be manufactured hereunder for ten (10) years from the date of delivery of the last unit.

Technical and field service support shall be provided by the vendor, if necessary. This support shall be by personnel qualified to advise on training, repair and maintenance of the equipment. The technical representatives shall be available in the Philadelphia Metropolitan area when required by the City.

The repair or shop manuals shall include but not be limited to detailed drawings, electric, pneumatic and/or hydraulic schematics, piping diagrams and other pertinent information.

4.0 REQUIREMENTS

4.3.1 PAINT

FAA Approved Safety Yellow as per Advisory Circular AC150.521.-5C

4.3.2 OMIT

4.3.3 OMIT

4.6 ADDITIONAL REQUIRMENTS

The manufacturer shall be responsible for conducting tests to ensure that its snow and ice control equipment meets the operational and performance requirements it advertises and that are required by this bid. All current EPA emissions requirements shall be met on all units. Certified records of these compliance tests shall be submitted by the manufacturer with the bid. Equipment tests shall be conducted on standard production models and not on specially constructed prototypes. The manufacturer shall also provide detailed drawings, torque calculation and any other details necessary to validate the ability of the proposed equipment to meet the performance standards contained herein.

The selected equipment shall at a minimum perform snow plowing and sweeping operations simultaneously. Options for other functions should also be presented if such options are manufacturer designed, supported, and warranted and of sufficient capacity and reliability so as to be commercially viable.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

The units may be either a single frame unit or may be a carrier vehicle with a front mounted displacement plow attached through a fifth wheel connection to a towed type sweeper. The integration of multi-piece units shall be seamless with integrated engineering design to perform such that the system is stable, reliable, easy to operate and control. The cab shall be ergonomically designed with attention to all details to promote safe convenient operations including but not limited to controls which shall be conveniently located, clearly labeled and as simple as possible, visibility including wind shield defrosters and range of visibility must be considered, heating system shall create relatively uniform temperatures in the cab and maximum cab noise measured at the operators seat with defrost and heating systems operating should be less than 85 dba. The carrier (operators area) design shall provide 360 degree visibility. The plow ends shall be visible at all times regardless of plow configuration. The control system should allow the operator to use the displacement plow, sweeper and blower independently or together and shall provide automated pre-settings to accommodate typical circumstances encountered at PHL.

All snow plows, carrier vehicles and snow sweepers shall conform to the minimum specifications required by FAA AC 150/5220-20.

The plow shall be power reversible and may be continuous or sectional but must be of simple durable construction. The plow shall employ rubber bits. The nominal plow width shall be as described. The plow shall be mounted through a fully automatic quick disconnect such that the plow can be fully mounted and dismantled from the cab.

Equipment must be able to reliably and safely operate on runway and taxiway surfaces with two (2) inches of accumulated snow at speeds of 28-30 mph. The cleaned surface shall be free of snow and slush and bare pavement and pavement markings shall be continuously visible.

Pre Construction Meeting shall be held at the Philadelphia International Airport.

BIDDER INITIALS _____

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

PROTOTYPES AND EXPERIENCE

The airport requires this specified pieces of equipment in order to maintain the airfield during large and small snow events. It will be a central and critical element in the fleet and in the effort to accomplish the airport’s published snow plan. Experience building machines of this nature is mandatory as is a track record of recent manufacture and in-service record for machines comparable and similar to that specified. Therefore, location and contact lists are required in the bid package to enable the airport to contact at least 10 airports that have taken delivery of similar equipment from the bidder within the last two years. Bids received without including such location and contact list will be considered non responsive and will not be considered.

BIDDER INITIALS _____

Vendor must supply a detailed specification for each unit bid.

BIDDER INITIALS _____

The City of Philadelphia shall conduct its own operational, performance, and capacity tests on equipment prior to acceptance. The manufacturer will have the opportunity to witness the performance of these tests, but interpretation of results is the sole responsibility of the purchaser. The test shall be conducted on the first unit delivered and any subsequent units as the City may deem appropriate. If a unit fails any test the manufacturer shall have six months to make modifications acceptable to the City to allow the unit to pass the failed test. If such modifications are unsuccessful the unit shall be rejected and replaced with a new unit. If any test is failed more than twice the City reserves the right to terminate the purchased agreement.

5.0 SHIPMENT AND DELIVERY

5.1 Delivery Information - Final Delivery shall be made between the hours of 8:00 AM and 3:30 PM, Monday through Friday, except City Holidays. Each unit shall be accompanied by a Delivery Slip which will contain the City's Bid Number, Item Number, Purchase Order Number, and Serial Number of the Unit.

VENDOR MUST NOTIFY OFM, THIRTY (30) DAYS PRIOR TO MAKING ANY DELIVERY.

DELIVERY CONTACT PERSON: PETER BAKER (215-686-1877)
BUD LIPSKI (215-686-1875)
OFFICE OF FLEET MANAGEMENT
100 S. BROAD STREET, 3RD FLOOR
PHILADELPHIA, PA 19110

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

DELIVERY LOCATION: OFFICE OF FLEET MANAGEMENT
SHOP 415
3895-99 RICHMOND STREET
PHILADELPHIA, PA 19137
PHONE (215) 685 - 1232

6.0 INSPECTION

6.1 Pennsylvania State Inspection (OMIT)

6.2 City Acceptance Inspection - City Inspection of delivered vehicles will be conducted at the specified delivery point. It will be conditioned upon the satisfaction of all of the requirements of this specification and the Invitation to Bid.

Upon **final delivery to the City**, any vehicle(s) not meeting the requirements of the specification and the Invitation to Bid will be rejected. All rejected vehicles must be removed from the City’s equipment delivery location within 48 hours of notification to the bidder / vendor.

BIDDER INITIALS _____

Upon **final delivery to the City**, in addition to liquidated damages (if applicable), the City at its sole discretion will charge the vendor / successful bidder a re-inspection fee of **\$150.00** for each occasion a vehicle(s) / equipment not meeting the requirements of the specification and the Invitation. This re-inspection fee will be assessed each occasion a unit must be re-inspected.

This re-inspection fee will be deducted from the invoice for unit(s) not meeting the requirements of the specification and the Invitation to Bid.

BIDDER INITIALS _____

6.3 Provide the Office of Fleet Management pilot inspection at the manufacture plant, for one person on each inspection trip. The successful bidder shall incur all expenses for lodging, meals, and transportation (transportation will be via air if more than 125 miles one way).

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

7.0 CERTIFICATIONS & MANUALS (PER ORDER)

7.2 Provide the necessary documents for the City to take Title to the vehicle in accordance with the Pennsylvania Motor Vehicle Code. **ALL THE ITEMS, INVOICE (STATE ORIGINAL), MSO, MV-1, ETC) ARE TO BE HAND DELIVERED FOURTEEN (14) DAYS PRIOR TO DELIVERY TO:**

**CITY OF PHILADELPHIA
OFFICE OF FLEET MANAGEMENT
PETE BAKER / BUD LIPSKI
100 S. BROAD STREET, 3RD FLOOR
PHILADELPHIA, PA 19110**

7.4 REQUIRED

7.5 Operation, Maintenance and Repair Data
Prior to the delivery of the first units, the vendor shall forward directly to the Office of Fleet Management, Maintenance, Operating and Repair manuals and Parts Lists as specified below. The manuals shall be shipped separately to OFM 100 S. Broad Street 3rd Floor, Philadelphia, Pa. 19110 and not with the units. All manuals shall be in the form of neatly bound books, with durable covers, and shall be properly identified with the manufacturer's name, model and serial number of the equipment.

The operating and maintenance or shop manuals shall be the latest manufacturer's handbooks, covering in detail the recommended operating, maintenance and service procedures.

Where components or equipment of several manufacturers have been used in manufacturing the unit, the manuals shall include operating, maintenance and repair information and parts lists of all manufacturers covering all of the components used. Where the vendor or manufacturer uses components manufactured by other in building equipment which he sells under his own trade name, he shall furnish the parts numbers and full data of the original manufacturers of all components used, where possible, as well as the part numbers he may assign to these components as being parts of his product.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

7.5.1 Two (2) sets of manuals shall be furnished for each unit delivered. each manual shall cover chassis, superstructure, engine, transmission, differential, hydraulic system and all other added equipment. Operating Instructions and schematics including:

Maintenance Instructions	Emission Diagrams
Repair Instruction	Electric Wiring Diagrams
Parts Information	Collision

Provide an eight-year subscription to all manufacturer issued Service Bulletins (two for each vehicle supplied under this order)

7.5.2 Preventive Maintenance Instructions

In addition to the manuals specified above, the vendor shall furnish an equal number of condensed Preventive Maintenance Instructions for all parts of the unit. These instructions shall consist of manufacturers' recommendations for periodic lubrication, cleaning and other preventive maintenance services, and shall be made up in a compact form covering the particular unit delivered.

7.5.3 Recommended Spare Parts

The vendor shall furnish with each service manual a list of recommended spare parts. The list shall include all necessary data for ordering the parts, even if originally furnished by other manufacturers.

The vendor warrants that he shall maintain or have maintained a stock of repair parts available to the City of Philadelphia within 48 hours at inventory levels for the period described hereafter:

The manufacturer shall supply, through a dealer, a published price list for spare parts required to support the units to be manufactured hereunder for ten (10) years from the date of delivery of the last unit.

Technical and field service support shall be provided by the vendor, if necessary. This support shall be by personnel qualified to advise on training, repair and maintenance of the equipment. The technical representatives shall be available in the Philadelphia Metropolitan area when required by the City.

The repair or shop manuals shall include but not be limited to detailed drawings, electric, pneumatic and/or hydraulic schematics, piping diagrams and other pertinent information.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

7.6 QUESTIONS REGARDING BID

All questions regarding Bid Specification should be directed to the Office of Fleet Management.

Bud Lipski, 215-686-1875 / E-Mail - bud.lipski@phila.gov

Pete Baker, 215-686-1877 / E-Mail - pete.baker@phila.gov

8.0 SIGNS

Signs, decals, etc. showing dealers name and/or address, shall not be permitted on the outside of the unit.

8.1 Manufacturers name(s), address and striping shall be removed before delivery.

9.0 SCHOOLS - INSTRUCTIONS AND TRAINING

The vendor shall furnish three (3) DVD training disks, covering the following subjects (if available):

- Operator Training
- Routine Maintenance
- Preventive Maintenance

If the vendor does not have DVD training videos available at the time, it shall be acceptable to the City that the vendor tape the training sessions at the time of the training, making three (3) copies available to the City.

In addition, the vendor shall instruct City employees in the operation, servicing and maintenance of the units or equipment delivered at the following City facilities and at such times as the City may designate, all within thirty days after final acceptance of the first unit.

Operators Provide five (5) days (8 hours per-day) of training.
 Training location will be Philadelphia International Airport.

Technicians Provide five (5) days (8 hours per-day) of training.
 Training location will be Philadelphia International Airport.

Training shall be provided by a qualified factory authorized service representative. The factory representative shall be prepared and qualified to make all necessary adjustments to the units if needed. The vendor shall supply all necessary training materials.

10 Through 13 OMIT

14 MULTI-FUNCTION SNOW REMOVAL VEHICLES

MUST BE FILLED IN

FIRM (VENDORS) NAME _____ BID NUMBER _____

14.1 VAMMAS PSB 4500

“ALL STANDARD EQUIPMENT SHALL BE SUPPLIED”

Plus the following optional equipment:

Lighting Package, Rear Camera, Cold Weather Package, Central Lube System

OPTIONS

14.1.1 Spare Tire Front

14.1.2 Spare Tire Rear

14.1.3 Inspection(s) as per section 6.3

14.1.4 Training as per section 9

14.1.5 Complete Spare Broom Core Assembly.

14.1.6 Provide and install a Motorola XTL 5000 two way radio.
Radio must be purchased via the City’s Vendor for warranty and programming issues.

Motorola Inc,
Joe Papania
Senior Account Manager
8 Ternberry Court
Turnersville, NJ 08012
Phone 1-856-228-3137
Fax 1-856-228-3139
E-Mail joe.papania@motorola.com

14.1.7 Provide and install an ICOM A110 Mobile Radio 118-137 MZ with an antenna, speaker and external speaker.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

**14.2 BOSCHUNG JETBROOM 2 AXLE BASIC UNIT
“ALL STANDARD EQUIPMENT SHALL BE SUPPLIED”**

OPTIONS (PRICED SEPARATLY)

- 14.2.1 3rd Axle Option
- 14.2.2 Tipping Frame for Rear Mounted Equipment.
- 14.2.3 Reverse Drive Camera
- 14.2.4 Spare Tire (Front & Rear)
- 14.2.5 Spare Tire for 3rd Axle
- 14.2.6 Cold Weather Package
- 14.2.7 Central Lube System for 2-Axles
- 14.2.8 Central Lube System for 3-Axles
- 14.2.9 Sweeper Blower Attachment KBGA4.2 (14’), Multi Blade Snow Plow MF10.3 (21’)
- 14.2.10 Central Lube System for KGBA 4.2
- 14.2.11 Rear Blower Unit Integral
- 14.2.12 Summer Equipment for Version KBGA 4.2
Vacuum Sweeper Attachment with Dirt Hopper,, 2 Suctions Mouths,
Water Installation with Pump Piping and Commands.
- 14.2.13 Hand suction Hose for Summer Equipment for Version KBGA 4.2
- 14.2.14 Water Recycling for Summer Equipment for Version KBGA 4.2

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

- 14.2.15** De-Icing Equipment - Liquid spreader with double spinner disc system. "back pack" system with 2 spinner discs, one on each side at vehicle end.
Back pack includes:
Compartment for electrical and hydraulically elements preparation and admission to the liquid tank on the Jetbroom

Liquid tank made of resistant material for different liquid chemicals used on airport surfaces.
- 14.2.16** Complete Spare Broom Core Assembly.
- 14.2.17** Inspection(s) as per section 6.3.
- 14.2.18** Training as per section 9.
- 14.2.19** Provide an install a Motorola XTL 5000 two way radio.
Radio must be purchased via the City's Vendor for warranty and programming issues.
Motorola Inc,
Joe Papania
Senior Account Manager
8 Ternberry Court
Turnersville, NJ 08012
Phone 1-856-228-3137
Fax 1-856-228-3139
E-Mail joe.papania@motorola.com
- 14.2.20** Provide and install an ICOM A110 Mobile Radio 118-137 MZ with an antenna, speaker and external speaker.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

**14.3 OSHKOSH HT-SERIES SNOW TRACTOR WITH M-B 4600-TTB-CRDL
22' MOLDBOARD / 20' SWEPT PATH BROOM ASSEMBLY
"ALL STANDARD EQUIPMENT SHALL BE SUPPLIED"**

Oshkosh HT Tractor

Air Conditioning, National Premium Heated Driver's Seat With 3-Way Air Adjustable Lumbar Support, Deluge System, Heated Windshield, Lubrication Data Plate, Caterpillar C-13 Engines Rated At 470 HP (1,550 Lb/Ft Torque), Allison GEN IV 4500 Transmission 4 Speed, 29K Front Axle, 26K Rear Axle, ALL STEER Electronic All-Wheel Steering System, Driver Controlled And Automatic Lock/Unlock Transfer Case Differentials, 200 Amp High-Output Alternator, HID Lighting, On-Board Battery Charger, Single Side Fuel Fill, Pintle Hitch, 395/85R20 Michelin XZL Tires, Engine Block Heater, 1500 Watts, Battery Heater, 300 Watts, Cold Weather Package, Central Lube System.

M-B 4600-TTB-CRDL

Plow Controls, Trailer Air, Trailer Electric, Ballast, Air Blower, Backup Hydraulic Package, Snow Shed Hood, Automatic Pattern Adjustments, Vibrator, Side Marker Lights LED, Battery Charger, Hydraulic Tank Heater, Battery Heater, Broom Engine Blocker, Broom Engine Ether Starting Assist, Rear Camera Display, Central Drain Group, Hydrostatic Pressure Gauge, Central Drain Group, Broom Bristles Requirements 50/50 10lb Wire, Cold Weather Package, Central Lube System.

OPTIONS (PRICED SEPARATLY)

- 14.3.1** Spare Tire, Chassis
- 14.3.2** Spare Tire, Broom
- 14.3.3** Complete Spare Broom Core Assembly.
- 14.3.4** Inspection(s) as per section 6.3
- 14.3.5** Training as per section 9

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____

- 14.3.6** Provide and install a Motorola XTL 5000 two way radio.
Radio must be purchased via the City's Vendor for warranty and programming issues.
Motorola Inc,
Joe Papania
Senior Account Manager
8 Ternberry Court
Turnersville, NJ 08012
Phone 1-856-228-3137
Fax 1-856-228-3139
E-Mail joe.papania@motorola.com
- 14.3.7** Provide and install an ICOM A110 Mobile Radio 118-137 MZ with an antenna, speaker and external speaker.

MUST BE FILLED IN
FIRM (VENDORS) NAME _____ BID NUMBER _____