

City of Dade City

AGENDA MEMO

To: Honorable Mayor and Members of the City Commission
From: Lennie M. Naeyaert, P.E., City Engineer and Public Works Director
Subject: Purchase of used street sweeper, 2004 Allianz Johnston model 3000.
Date: 5/12/09

It is requested that the City Commission consider the following information and recommendation(s):

BACKGROUND:

The City's Elgin street sweeper was purchased in 1992 and is currently 17 years old with 40,930 miles.

ISSUES:

Because the equipment is aging, it is necessary to purchase another street sweeper. The City has budgeted \$28,000.00 per year for the next 4 years in order to purchase a replacement. The cost for a new Allianz Johnston model 3000 is approximately \$135,000.00. However, Florida Municipal Equipment, Inc. has a used 2004 model in good condition for \$49,000.00.

ALTERNATIVES:

- Approve Staff Recommendation.
- Recommend an alternative solution.
- Direct that no action be taken.

RECOMMENDATION:

Staff recommends the City Commission approve the purchase of the 2004 Allianz Johnston model 3000, and authorize the execution of the purchase by the City Manager.

FUNDING:

This item was budgeted for FY 09.

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**FLORIDA
MUNICIPAL
EQUIPMENT, INC.**

City of Dade City
Public Works
Joe White
(352)521-1422

May 6, 2009

Mr. White;

The following street sweeper proposal includes delivery, set up, and all operator/shop training. Includes operator, service, and parts manuals. New brooms, new paint one color. 90 day sweeper parts warranty. Warranty does not include consumable or wear parts. Delivery within 60 days ARO.

2004 Johnston model 3000 three wheel high dump mechanical street sweeper
Vin# 1J9VM3H614C172020

Low engine hours approximately 1,455 hours on newer main engine. A/C, strobe light, rear mounted arrow stick, tilt/telescopic steering, dual broom, 5.6 yard high dump hopper. Sweeper was fully maintained while on our "Turn Key Maintenance Program". All service records available.

Price: \$49,000.00

Above sweeper is subject to prior sale.

Purchase order or deposit required to secure sweeper.

For more contact me at (813)786-7748 or via email at

Jamesnorris3@tampabay.rr.com

Sincerely;



Jim Norris
Sales Manager



Specifications

ENGINE

Type: John Deere 4045T
turbocharged diesel; 4 Cylinder;
Fuel injected

Compression & Torque:
Compression ratio - 17.0:1;
Maximum torque - 291 ft.
lbs. (395 Nm) @ 1600 rpm

Displacement & Horsepower:
276 cu. in. (4.5 L);
110 hp (82 kw) @ 2400 rpm.

Air Filter: Two stage dry type
air cleaner with safety element;
Restriction indication.

Fuel Tank: Capacity -
35 gal. (132.5 L); Vented with
steel construction.

CHASSIS

Frame: 3" x 13"
(76 mm x 330 mm) C-Channel
with modular body; Front & rear
tow hooks.

ELEVATOR

Type: 7 Flight squeegee with
replaceable corded rubber
tips; Continuous molded
rubber belts.

Hydraulic Motor: Direct drive;
Variable Forward and Reverse;
Displacement - 15.8 cu. in./rev.

CAB

Description: Center forward
rubber mounted; Single door;
Removable limb guards.

Seats: Multi-adjustable,
spring suspended with shock
absorber; 3-point seat belt;
Standard passenger seat with lap
seat belt.

Windows: 1745 sq. in.
(11258 sq. cm.) Windshield;
1040 sq. in. (6710 sq. cm.)
each side window; Tinted
safety glass; Front and side
defrost vents.

GENERAL HYDRAULICS

Capacity: Total system - 41 gal.
(155.2 L); Two Tanks - 18 gal.
(68.1 L) each

Hydrostatic Drive Pump:
Displacement - 5.4 cu. in./rev.

**Hydrostatic Drive Wheel
Motors:** Two Speed;
Displacements - High @ 1.68 cu.
in./rev, Low @ 3.885 cu. in. /rev.

Vehicle Range:
Low - 0 to 10 mph (16 km/h);
High - 0 to 23 mph (37 km/h);
Reverse - 0 to 4 mph (6.4 km/h).

Lift System Drive Pump:
Displacement - 1.03 cu. in./rev.

Sweep System Drive Pump:
Displacement - 1.6 cu. in./rev.

CAB CONTROLS

Controls: In-cab gauges -
speedometer/odometer,
tachometer, engine oil pressure,
engine water temperature,
voltmeter, fuel, gutter broom
height; in-cab indicators -
Water spray, low engine oil,
high coolant temperature,
low hydraulic oil level alarm.

ELECTRICAL

Wiring: Sealed wire harness;
Solid color coded wires,
numbered and function
labeled every 12 inches; Sealed
prewired solenoids; Circuit
breaker protected.

Electrical Control Unit:
Electrical control unit is a sealed
systems locker with two sealed
sub-compartments for high and
low ampere components; Low
ampere system boxes are fully
tested prior to installation; An
ECU electrical diagram decal is
on the locker door.

Alternator: 120 amp

Battery: 900 CCA @ 0° F;
12 volt system.

PICK-UP BROOM
Broom: 32" x 58"
(813 mm x 1473 mm);
Disposable polypropylene.

Hydraulic Motor: Direct drive;
Variable speeds; Displacement -
17.1 cu.in./rev.

BODY/HOPPER

Volume & Lift:
Hopper Volume - 5.6 cu. yd.
(4.28 cu. mtrs.);
Lift - 12,000 lbs. (5445 kg)
via two 4" (102 mm)
hydraulic cylinders;
Dump height - 114" (2896 mm)
into roll-off container.

Safety Lockout: Hopper dump
controls automatically prevent
vehicle movement while hopper is
up.

GUTTER BROOM

Broom: 47" (1194 mm)
diameter; 12 Tuf Grip
segments with 26" (660 mm)
steel wire tines.

Hydraulic Motor: Direct drive;
Variable speeds; Displacement -
17.1 cu. in./rev.

GB Suspension: Free floating
vertically and horizontally with
impact protection; Hydraulic lift
through accumulators.

WATER SPRAY

Water Tank: Capacity - 200 gal.
(757 L); Construction -
molded polyethylene.

Water Pumps: Heavy duty
electric diaphragm type;
Output - 7.2 gal./min.
(27.25 L/min)

Controls: In cab variable
flow valves.

Spray Nozzles: Three nozzles
over each gutter broom and
pick-up broom.

Auxiliary Hose: Hydrant hose
(length) - 15' (4.6 M); Hose
stored in right rear fender tool
box with hydrant coupling
and wrench.

Johnston reserves the right to change specifications
without notice.



Jim Norris 813 786-7748



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(909) 613-5600 • FAX (909) 613-5736
E-mail: sales@johnstonsweeper.com
www.johnstonsweepers.com



Allianz Madvac Inc., Email (sales@allianzsweeper.com)

2008 Allianz Vehicle

3000 SERIES

MECHANICAL BROOM SWEEPER

SWEEPER

High Dump, Dual Gutter Broom, A/C- Heater

Hydrostatic Drive, John Deere 4045T 100 HP (75 Kw @ 2500 RPM) Engine,

White Powder Coating

2008 USS

June 1, 2008

STANDARD SWEEPER EQUIPMENT

Sound Suppressed Cab	5.6 cu yd (4.3 cu meter) Hopper (Volumetric)
69 dBa In-Cab Noise Level	Hopper Dump Alarm
Dust & Weather Sealed Cab	47" (1194 mm) dia. Gutter Brooms
Multi-Adjustable Suspension Seat	In-Cab Gutter Broom Pressure Adjustment
Tilt & Telescoping Steering Wheel	Tuf-Grip Disposable Gutter Broom Segments
Tinted Safety Windows & Windshield	32" x 56.5" (813 mm x 1435 mm) Tube Type Pickup Broom
Left & Right Dual West Coast Mirrors	58" (1473 mm) Wide Squeegee Type Elevator
Windshield Wiper/Washer	Gutter Broom Spotlights
Ergonomic Go Pedal	Sealed Beam Headlights
Coolant Temp, Oil Pressure & Voltmeter Gauges	Stop/Tail Lights, Clearance Lights
Coolant, Eng Oil Pressure & Low Hyd Oil Warning Lights	Two 18 gal (68 L) Hydraulic Oil Tanks
Speedometer, Tachometer & Hourmeter	Hydraulic Manifolds in LH Fender
Fuel Level Gauge	14' (4.3 m) Turning Radius with Front Suspension
200 gal (833L) Polyethylene Water Tank	All 120 amp Heavy-Duty Alternator
15' (4.6 m) Hydrant Hose with Coupling & Wrench	All Sheet Metal Surfaces Primer Powder Coated
Gutter Broom Water Spray Jets	Sheet Metal Surfaces Powder Coated
Pickup Broom Water Spray Jets	Fender Mounted Tool Box
Low Water Level Light in Cab	Integral Cab Limb Guard Protection (Black)
Front Spray Bar	Front & Rear Tie Downs with Tow Hooks
Buddy Seat	Sweeper Service Manuals in English
Dual Front Tires with Front Suspension	Sweeper Parts Manuals in English
Electric Controls systems Locker	Sweeper Operator Manual in English