

**Lee County Board Of County Commissioners  
Agenda Item Summary**

Blue Sheet No. 20030546

**1. REQUESTED MOTION:**

**ACTION REQUESTED:** Approve award of the following project for the Department of Transportation: # PB030479, the purchase of one (1) new Johnson 770 Cyclone Street Sweeper from Florida Municipal Equipment, Inc. at a price of \$117,960 via a piggyback of the City of Dania Beach Resolution #2002-152. Also request approval of optional attachment for non-contract purchase in the amount of \$4,160.00. Grand total expenditures in the amount of \$122,120.00.

**WHY ACTION IS NECESSARY:** Section 9.4.1 of the Lee County Purchasing and Payment Procedures Manual approved by the board on 7.9.02, purchases over \$50,000.00 must be approved by the Board.

**WHAT ACTION ACCOMPLISHES:** This street sweeper will allow DOT Operations to provide road maintenance in cleaning of road shoulders and clean up of spills in the event of accidents.

**2. DEPARTMENTAL CATEGORY:  
COMMISSION DISTRICT #**

**C9F**

**3. MEETING DATE:**

**06-03-2003**

**4. AGENDA:**

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:

**5. REQUIREMENT/PURPOSE:  
(Specify)**

- STATUTE
- ORDINANCE
- ADMIN. AC-4-1
- CODE
- OTHER

**6. REQUESTOR OF INFORMATION:**

- A. COMMISSIONER
- B. DEPARTMENT Transportation
- C. DIVISION

BY: Scott Gilbertson P.E., Director

**7. BACKGROUND:**

Funds will be available in account #PC5410117500506430. <sup>TD</sup>  
--BACKGROUND BEGINS ON PAGE TWO--

**8. MANAGEMENT RECOMMENDATIONS:**

**9. RECOMMENDED APPROVAL:**

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services				G County Manager
<i>M. ... 5/19/03</i>	<i>Janet ... 5-5-03</i>			<i>[Signature]</i>	OA <i>[Signature]</i>	OM <i>[Signature]</i>	Risk <i>[Signature]</i>	GC <i>[Signature]</i>	<i>[Signature]</i> 5.21.03

**10. COMMISSION ACTION:**

- APPROVED
- DENIED
- DEFERRED
- OTHER

REC'D.  
by CO. ATT.  
5/21/03  
2:05 PM  
CO. ATT.  
FORWARDED TO:  
City Admin  
5-21-03 2:10

RECEIVED BY  
COUNTY ADMIN. *RK*  
5-21-03  
2:10  
COUNTY ADMIN.  
FORWARDED TO:  
5/21/03

--BACKGROUND CONTINUED FROM PAGE ONE--

On April 24, 2003, the Division of Purchasing received a request from the Department of Transportation, and the Division of Fleet Management to obtain BOCC approval for the purchase of one (1) new Johnson 770 Cyclone Street Sweeper from Florida Municipal Equipment, Inc. at a price of \$117,960 via a piggyback of the City of Dania Beach Resolution #2002-152. Also request approval of optional attachment for non-contract purchase in the amount of \$4,160.00. Grand total expenditures in the amount of \$122,120.00.

Section 10.1, "Piggybacking" of the Lee County Purchasing & Payment Procedures Manual allows Lee County to utilize the quotes/bids/contracts of other governmental entities as long as the procurement has gone through their competitive quoting/bidding process.

Purchasing Services and Fleet Management have reviewed and verified both the specifications used and the award information. In addition, permission has been received from the City of Dania Beach and Florida Municipal Equipment, Inc., to utilize the contract.

Therefore, Board approval is requested for the purchase of one (1) new Johnson 770 Cyclone Street Sweeper from Florida Municipal Equipment, Inc. at a price of \$117,960 via a piggyback of the City of Dania Beach Resolution #2002-152. Also request approval of optional attachment for non-contract purchase in the amount of \$4,160.00. Grand total expenditures in the amount of \$122,120.00.

ACCOUNT # PC5410117500506430

ATTACHMENTS:

- (1) Department Request for Purchase
- (2) City of Dania Beach Tabulation Sheet
- (3) City of Dania Beach Specifications/Florida Municipal Equipment, Inc.'s Quoted Pricing
- (4) City of Dania Beach Resolution
- (5) Authorization to Piggyback from City of Dania Beach
- (6) Authorization to Piggyback from Florida Municipal Equipment, Inc.

# ATTACHMENT 1



LEE COUNTY

DIVISION OF  
FLEET MANAGEMENT

**To:** Janet Sheehan, Purchasing Director  
**From:** Marilyn Rawlings, Fleet Manager *MR*  
**Date:** 4/18/2003  
**Re:** Blue Sheet for the purchase of (1) Johnson 770 regenerative air Sweeper mounted on a Freightliner FC - 70.

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Please prepare a blue sheet for the piggyback of Resolution # 2002-152 as approved by the Dania Beach City Commission for the purchase of one Johnson 770 Cyclone Street sweeper.

**ACTION REQUESTED:**

Approve the piggyback of the City of Dania Beach for Resolution # 2002-152 for the purchase of one Johnson 770 Cyclone Regenerative Air Sweeper from Florida Municipal Equipment, Inc of Easton Park Florida in the amount of \$ 117,960. Approve optional attachment for non-contract purchase in the amount of \$4,160 for a total price of \$122,120.

**WHY ACTION IS NECESSARY:**

Section 11.0.3.1of the Lee County Purchasing and Payment Procedures Manual exempts "the purchase of equipment that has gone through the Administrative Code Procedure, such as State Contracts or Federal General Services Administration Schedules, providing the purchase, rental, or lease amount does not exceed \$50,000." As this expenditure will exceed \$50,000, Board approval is necessary.

**WHAT ACTION ACCOMPLISHES:**

Approving of this piggyback will allow Lee County to eliminate an additional bidding process and will expedite delivery of the equipment.

**BACKGROUND:**

Lee County Fleet Management received a request from Department of Transportation to purchase an additional street sweeper as DOT is expanding its sweeping services and in the event of an emergency assist with clean up. An identical Johnson 770 Regenerative Air Sweeper was competitively bid and purchased by the City of Dania Beach on September 10, 2002. This piece of equipment has met Fleet's specification criteria and will expedite the Department of Transportation's request to purchase a regenerative sweeper.

This street sweeper will allow DOT Operations to provide road maintenance in cleaning of road shoulders and clean up of spills in the event of accidents.

(See attachments). Account String to be charged is PC 5410117500506430.

Please find all supporting documentation attached.

Cc: Donat Lawes

03 APR 24 PM 1:01

**LEE COUNTY GOVERNMENT, DIVISION OF FLEET MANAGEMENT  
EQUIPMENT AND VEHICLE REQUEST FORM**  
(PLEASE PRINT OR TYPE)

1. DEPARTMENT/DIVISION: (name) DOT / Operations  
(number) 54216

2. REQUESTED BY: (print) Jim Hass PHONE #: 694-3334

3. IS THIS A REPLACEMENT EQUIPMENT OR VEHICLE ?  YES [ ] NO

If yes: Asset #: 18949 Yr: 87 Make: Athey Model: AHL-02 Meter: \_\_\_\_\_

4. WHAT TYPE OF EQUIPMENT OR VEHICLE ARE YOU REQUESTING?

Select all appropriate boxes:

- |   |   |                                  |  |                                       |                                      |
|---|---|----------------------------------|--|---------------------------------------|--------------------------------------|
| <input type="checkbox"/> Sedan            | <input type="checkbox"/> Mid-Size                   | <input type="checkbox"/> ¼ Ton   | <input type="checkbox"/> 2 Door                    | <input type="checkbox"/> Cargo        | <input type="checkbox"/> Gasoline    |
| <input type="checkbox"/> Station Wagon    | <input type="checkbox"/> Full-Size                  | <input type="checkbox"/> ½ Ton   | <input type="checkbox"/> 3 Door L-Side             | <input type="checkbox"/> 7 Passenger  | <input type="checkbox"/> Diesel      |
| <input type="checkbox"/> Sport Util Veh   | <input type="checkbox"/> Regular Cab                | <input type="checkbox"/> ¾ Ton   | <input type="checkbox"/> 3 Door R-Side             | <input type="checkbox"/> 12 Passenger | <input type="checkbox"/> 4 Cylinder  |
| <input type="checkbox"/> Pickup Truck     | <input type="checkbox"/> Extended Cab               | <input type="checkbox"/> 1 Ton   | <input type="checkbox"/> 4 Door                    | <input type="checkbox"/> 15 Passenger | <input type="checkbox"/> 6 Cylinder  |
| <input type="checkbox"/> Cab & Chassis    | <input type="checkbox"/> Crew Cab                   | <input type="checkbox"/> Class 6 | <input type="checkbox"/> Utility Body <sup>A</sup> | <input type="checkbox"/> Sliding Door | <input type="checkbox"/> 8 Cylinder  |
| <input type="checkbox"/> Van              | <input type="checkbox"/> 2 Wheel Drive              | <input type="checkbox"/> Class 7 | <input type="checkbox"/> Flat Bed <sup>A</sup>     | <input type="checkbox"/> Swing Door   | <input type="checkbox"/> 10 Cylinder |
| <input checked="" type="checkbox"/> Other | <input type="checkbox"/> 4 Wheel Drive <sup>B</sup> | <input type="checkbox"/> Class 8 | <input type="checkbox"/> Dump Truck <sup>A</sup>   | <input type="checkbox"/> Single RW    | <input type="checkbox"/> Dual RW     |

Additional description for vehicles or equipment: This unit is already surplus  
and is to be replaced at this time

<sup>B</sup> Please provide detailed justification on separate sheet.

5. WHAT, IF ANY, SPECIAL OPTIONS OR ACCESSORIES ARE REQUIRED? Please check all appropriate options below and list any additional options on the lines below: i.e. lift gates, 50' telescopic boom, emergency lighting package, light-bar, 60" hydraulic rotary mower, etc. Please attach brochures if applicable:

ALL COUNTY VEHICLES ARE ORDERED WITH FOLLOWING STANDARD OPTIONS: Air Conditioning, AM/FM Radio, Automatic Transmission, Rear Anti-Lock Brakes.

- |  |  |   |   |
|--|--|---|---|
| <input type="checkbox"/> AM/FM Cassette                      | <input type="checkbox"/> Eco-Liner                 | <input type="checkbox"/> Limited Slip             | <input type="checkbox"/> Trailer Hitch Receiver |
| <input checked="" type="checkbox"/> Arrow Board <sup>A</sup> | <input checked="" type="checkbox"/> Strobe Light   | <input type="checkbox"/> Power Win/Locks          | <input type="checkbox"/> Tires - All Terrain    |
| <input type="checkbox"/> Long Bed                            | <input type="checkbox"/> Floor - Carpet            | <input type="checkbox"/> Seats - Cloth            | <input type="checkbox"/> Tow Package            |
| <input type="checkbox"/> Short Bed                           | <input checked="" type="checkbox"/> Floor - Rubber | <input checked="" type="checkbox"/> Seats - Vinyl | <input type="checkbox"/> Windows - Tinted       |

6. WHAT WILL BE THE PRIMARY USE OF THE NEW EQUIPMENT OR VEHICLE? To pick up hazardous waste, or spills, sweep county bridges, and to sweep curbs and gutters that are not under contract

<sup>A</sup> Specify Dimensions or Model Sweeprite mechanical broom.

**LEE COUNTY GOVERNMENT, DIVISION OF FLEET MANAGEMENT  
EQUIPMENT AND VEHICLE REQUEST FORM  
(PLEASE PRINT OR TYPE)**

**7. FUNDING SOURCE:**

Vehicle Replacement Fund

Capital, Please Specify Account String PC 5410117500.596430

Other, Please Specify Account String \_\_\_\_\_

If needed, please provide additional account strings: \_\_\_\_\_

**8. WE ARE AUTHORIZING A PURCHASE NOT TO EXCEED: \$** 118,000.00

<u>Bobby L Faust</u> REQUESTED BY	<u>10/22/02</u> DATE	_____ 1 <sup>ST</sup> LEVEL APPROVAL	_____ DATE
<u>Dicki Chiles</u> 2 <sup>ND</sup> LEVEL APPROVAL	<u>11/17/2002</u> DATE	<u>Paul X. Lujal</u> DIVISION DIRECTOR	<u>11/15/02</u> DATE

Option 1:  QUOTES AND REQUISITION. This option authorizes Fleet Management to obtain quotes and authorizes Fleet Management to issue a requisition using the account string(s) provided above.

Option 2:  VEHICLE REPLACEMENT FUND PURCHASES. This option authorizes Fleet Management to obtain quotes and authorizes Fleet Management to purchase the equipment or vehicle using motor pool funds (formerly known as surcharge funds).

<u>[Signature]</u> DEPARTMENT DIRECTOR	<u>11/17/02</u> DATE
<u>[Signature]</u> * COUNTY MANAGER / DESIGNEE	<u>11-15-02</u> DATE

\* REQUIRED FOR ALL PURCHASES BETWEEN \$ 25,000 - \$50,000.

**SUBMIT THIS COMPLETED FORM TO FLEET MANAGEMENT**

RECOMMENDED     N.R.A.T.T.    Don C. Laws    4/10/03  
FLEET ACQUISITION SPECIALIST    DATE

APPROVED     DECLINED    [Signature]    4/15/03  
FLEET MANAGER    DATE

3.4 high meter  
7.1 maint.  
5.0 Age  
15.5 total  
KS  
11/19/02

BID TABULATION FORM

**ATTACHMENT 2**

BID OPENING DATE: JUNE 27, 2002

TIME: 3:40 PM

PROJECT NAME: REGENERATIVE AIR STREET SWEEPER

PRESENT AT BID OPENING: (SIGN-IN SHEET MAY BE ATTACHED)

DANIEL B. LANCE  
SPIKE NAGEL  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LEO WILLIAMS  
JOANN BRAVE  
MICHAEL J. SHERIDAN  
 \_\_\_\_\_  
 \_\_\_\_\_

THE FOLLOWING BIDS WERE RECEIVED ON THIS DATE AND OPENED BY Nanci Denny, Purchasing Agent, along with the designated bid committee members.

NO	VENDOR	BOND	BASE BID	WARRANTY
1	McCLAIN - SOUTHLAND		129,766.25	2,452.00
2	FLORIDA MUNICIPAL EQUIP.		114,995.00	2,965.00
3	SOUTHERN SWEWER EQUIP.		130,400.00	5,073.00
4				
5				
6				
7				
8				
9				
10				
11				

AFTER THE BID OPENING, THE BIDS WERE TURNED OVER TO THE FOLLOWING BID COMMITTEE MEMBERS FOR FURTHER REVIEW AND RECOMMENDATION TO CITY COMMISSION:

\_\_\_\_\_

\_\_\_\_\_

**INVITATION TO BID**

**CITY OF DANIA BEACH, FLORIDA**

Notice is hereby given that the City Commission of The City Of Dania Beach, Florida, is seeking sealed bids for:

**REGENERATIVE AIR STREET SWEEPER**

Specifications and a bid form may be obtained from the Office of the City Clerk, City Hall, 100 W. Dania Beach Blvd., Dania Beach, Fl 33004 or by calling (954) 924-3824. Bid packages must consist of completed bid quote on company letterhead, completed general specifications form, and a business card with contact name, company name, address, and phone number. Additional information may be obtained by calling Leo Williams, Utility/Public Works Superintendent, at (954) 924-3743.

Bids will be accepted until 3:15 p.m. on Thursday, June 27, 2002, in the Office Of The City Clerk, City Hall, 100 W. Dania Beach Blvd., Dania Beach, Fl 33004, and the bid opening will be held at 3:30 p.m. in the conference room at city hall. All bid envelopes must be sealed and plainly marked:

**"BID FOR STREET SWEEPER"**

The City Commission of The City Of Dania Beach reserves the right to reject any and all bids, to waive any and all informalities or irregularities, and or reject all or any part of any bid as it may deem to be in the best interest of the citizens of the City Of Dania Beach.

The City Of Dania Beach encourages participation by SDBE firms.

//Charlene Johnson, CMC  
City Clerk

Sun Sentinel: published 6/10/02, 6/17/02

# City of Dania Beach

## GENERAL SPECIFICATIONS

### Diesel Powered 7.3 Cubic Yard Volumetric Capacity Municipal Street Sweeper (With Twin Gutter Brooms & Dual Steering)

It is the intent of these specifications to describe a street sweeper in sufficient detail to assure that product reliability, design integrity, technical soundness and sweeping performance are provided. The unit provided shall be new, of current manufacture, and the model and series bid must have been in production a minimum of five (5) years. Bidder shall provide a list of 15 cities currently using the model as bid. All parts not specifically mentioned, which are necessary to provide a complete street sweeper, shall be included in the bid and shall conform in strength and quality of material and workmanship to what is normally provided to the trade in general.

The unit shall be delivered completely assembled, serviced and ready to operate. The bidder shall have a qualified service representative in attendance with the sweeper during start up operation to make any adjustments and give instructions to assure proper operation of the sweeper.

The sweeper shall be warranted to be free from defective materials and workmanship for a period of 12 months or 1,000 hours from date of delivery.

The unit bid shall be a diesel powered regenerative air sweeper mounted on a diesel powered truck chassis such as a TYMCO Model 600 REGENERATIVE AIR SWEEPER.

#### COMPLIANCE TO SPECIFICATIONS

The bidder shall indicate his compliance with a "Yes" or non-compliance with a "No" for each line item specification. Any space left blank shall be considered non-compliance. Any deviations from the specification, or where submitted literature does not fully support the meeting of the specification, must be clearly cited in writing by the bidder, but no deviation below "minimum" specifications will be accepted.

#### MANUALS/TRAINING

- YES The bidder shall supply two sweeper operators and two sweeper parts and service manuals with each unit.
- YES Manufacturer shall have available creditable training course for complete maintenance and operation of sweeper. Manufacturer must have scheduled a minimum of 12 training courses per year for convenience of customers scheduling. All cost related to train (3) people at the manufacturers training facility should be included in the bid.
- YES Bidder shall provide operator instruction/safety/maintenance procedures on VHS videocassette with the unit.
- YES Bidder to supply complete set of parts and shop manuals for the truck chassis.

#### PAINT - COLOR

- YES The entire unit shall be painted with manufacturers standard white paint applied over a suitable primer. Pick-up head, gutter brooms and truck frame shall be painted black.



## REGENERATIVE AIR SWEEPER

### POWER UNIT

- YES The Sweeper power unit shall be a diesel fueled, water-cooled, turbo charged industrial engine. Piston displacement shall not be less than 276 cubic inch developing not less than 115 HP @ 2500 RPM and 215 ft. lbs. torque @ 1200 RPM. Engine shall be 4 cycle, 4.19" bore and 5.0" stroke.
- YES Cylinder construction shall be wet sleeve type.
- YES Spin-on replacement type oil filter.
- YES 12-volt ignition, electric starter and minimum 65-amp alternator with charge indicator gauge mounted on control console in cab.
- YES Unit shall have an automatic shutdown system when coolant temperature is too high, coolant level too low or oil pressure is too low.
- NO Unit shall share a 50-gallon fuel tank and batteries with chassis engine.
- YES Unit shall have a replaceable element, heavy-duty dry type air cleaner.
- YES Injector pump shall have centrifugal type variable speed governor for speed control.
- YES Engine speed to be electronically control from a control panel inside the cab

### DUST SEPARATOR

- YES Separation of the dirt and refuse from the air stream shall be accomplished within the hopper by means of a multi-pass cylindrical centrifugal dust separator with a minimum size of 20" diameter and 61" width. The separator shall be designed so that it will not plug with normally encountered debris.
- YES The dust separator shall have a minimum 24" x 61" curved, easy to open door allowing inspection and cleaning of the interior. The door shall be made with an abrasion resistant bonded rubber lining material for long life.
- NO The entire dust separator inter area shall be lined with a bolt-in replaceable, wear resistant rubber liner for long life.
- YES Separator shall have a skimmer hood that creates a dead air space to prevent material from being drawn back into the dust separator.
- YES The opening of the skimmer hood shall be easily accomplished through the side inspection door without entering the hopper or tilting the hopper for ease of clean out and blower inspection.
- NO A 61" x 84" steel screen of not less than 13 gauge shall be provided to allow air to move freely from the hopper into the centrifugal dust separator.
- YES Filters and baffles not acceptable due to increased cost of replacement and cleaning.
- YES Low Emission Package- High capacity dust separator with (2) skimmer slots and pressure side water nozzles shall be supplied.

### HOPPER

- YES Hopper size shall be approximately seven and three tenths (7.3) cubic yard volumetric measurement with an operating load capacity of not less than 6 cubic yards.
- YES Dumping shall be accomplished by means of hydraulically actuated cylinders attached to a rear door which shall have a minimum opening of 84" x 44" with a rake bar moving inside hopper as door is opened and closed to dump debris behind the rear wheels.
- YES Hydraulic cylinder movement shall be controlled with the use of an electric toggle switch located on the side of the hopper so discharging of debris may be viewed during dumping for maximum safety.
- NO The hopper floor shall have a minimum of 22-degree slope.
- YES Hopper door shall be opened & closed hydraulically and held in the closed position by means of a lock valve located in the hydraulic dump circuit.
- NO An inspection door (9.75" x 29") shall be provided on both left and right side of the hopper for easy viewing inside hopper and insertion of large debris.
- YES Hopper shall be maintained airtight through use of rubber seals on all doors and openings.

- YES Hopper suction inlet roof area shall have a bolt on replaceable wear resistant liner 3/8"x11"x10".
- YES Hopper shall be constructed of low carbon high chrome stainless steel. Stainless component must include but not be limited to the following:
- YES Sidewall
- YES Hopper Roof
- YES Rear door
- YES Side Inspection doors
- YES Hopper Screens

- YES An amber high powered strobe light with 2,300,000+ candle power, a minimum input of 23 Joules, and 60 flashes per minute shall be mounted on the rear of the hopper roof. The strobe light shall have a protective limb guard.
- YES Two (2) work lights shall be mounted at the rear of the hopper to illuminate the dump area.
- YES Two (2) amber flashing warning lights shall be mounted at the rear of the hopper.
- YES Unit to be equipped with a slim line L.R.D. arrow board.

#### HYDRAULIC SYSTEM

- NO The hydraulic system shall be adequate for use within the design requirements of the sweeper. The system shall include a minimum 25 gallon reservoir, sight gauge, temperature gauge, 80 mesh suction strainer, spin-on replaceable full flow oil filter, hydraulic cylinders, gutter broom drive motors, control valves, relief valves, oil cooler, hydraulic hoses and standard fittings.
- YES The hydraulic pump shall be engine mounted, gear driven by the auxiliary engine.
- YES Pressure shall be 2500 PSI for gutter brooms and 1500 PSI for pick-up head and dump door.

#### BLOWER

- NO Heavy-duty die cast, wear resistant high strength aluminum alloy turbine type open face blower balanced within 4 grams shall be provided to create air pressure and suction.
- NO Blower wheel shall be covered with wear resistant rubber for long life.
- YES Blower shall be mounted on self-aligning anti-friction bearings, sealed and lubricated for life. If bearings are not sealed then an automatic lube system must be furnished.
- YES Blower shall be driven from PTO off auxiliary engine by heavy-duty power belt, which shall be adjustable for tension.
- YES Blower housing shall be a bolt on design and shall be lined with a bolt-in wear resistant, replaceable rubber liner for long life.
- YES Blower shall not exceed 3000 RPM to insure smooth efficient performance.

#### PICK-UP HEAD - BROOM ASSIST

- NO A spring balanced all steel fabricated pick-up head with maximum length and width of 87" x 41" shall be provided.
- YES The pick-up head shall have a separate upper and lower chamber where pressurized air is blown from upper chamber through an elongated blast orifice to street surface.
- YES Blast orifice flange shall be of bolt-on design so that flange is easily replaced and shall have adjustment mechanism so that blast orifice gap is easily adjusted without removing pick-up head from sweeper.
- YES Pick-up head shall have a (minimum) 14" diameter pressure inlet ring located on left side of pick-up head.
- YES A 14" diameter (minimum) pressure hose attached between pick-up head and blower housing shall be provided.
- YES A bolt-on pressure inlet ring with turning vanes shall be provided for efficient performance and easy service.
- YES A 14" diameter (minimum) suction hose, attached to a quick disconnect transition at the hopper, shall extend down to the right side of the pick-up head and shall be attached to the pick-up head suction nozzle ring which shall be constructed of 1/4" steel.
- YES Suction hose shall have a minimum 3/8" wall construction for long life.
- YES Pick-up head shall be equipped with 2" wide adjustable side mounted integral alloy steel and carbide runners for maximum pick up ability and long life. Skid runners to be warranted for 2 years/2,000 hours prorated.
- YES Pick-up head shall be raised and lowered hydraulically by a single switch on the control panel.

- YES Pressure inlet ring shall be equipped with an adjustable pressure relief for optimum leaf and light debris sweeping; control shall be mounted inside cab.
- YES Control of broom rotation and positioning shall be accomplished by a single toggle switch located on the control console in the cab.
- YES The broom shall be driven hydraulically at 230 RPM. A separate hydraulic pump will be provided for all broom functions.
- YES The broom shall be 79" (200 cm) long and 12" (305 mm) in diameter.
- YES A center broom shall be mounted at the rear of the pick up head and shall be fully enclosed. (Front mounted center brooms are not acceptable due to plowing of leaves and light debris. Gutter broom extension override is not acceptable.
- YES Broom pattern shall be easily adjustable by mechanisms on the top of pick-up head.
- YES Nominal broom replacement time shall be 15 minutes.
- YES Design of broom suspension shall provide automatic independent adjustment of each broom end to the surface being swept.
- YES Two (2) hydraulic cylinders shall be incorporated to provide positioning and the independent suspension of the broom ends.
- YES Down pressure and broom pattern shall be hydro mechanically controlled to provide maximum broom performance and life.

#### GUTTER BROOM (S)

- YES Dual gutter brooms shall be 43" minimum diameter, wire filled vertical digger type for removing debris from gutter area.
- YES Gutter brooms shall be hydraulic motor driven and shall be positioned laterally and vertically by one hydraulic cylinder.
- NO Gutter broom down pressure shall be automatically adjusted to load by a pressure sensing sequence valve inline with gutter broom torque motor.
- YES Each gutter broom shall have adjustment for bristle contact pattern and wear.
- YES Each gutter broom shall have lateral flexibility to swing rearward 15 inches under truck chassis when encountering the impact of an immovable object thus avoiding damage to the broom assembly.
- YES Each gutter broom shall have a spring adjustment to allow downward compensation for bristle wear and shall be free floating to follow street contour.
- YES Each gutter broom shall be held in the up and transit position by use of an electric lock valve attachment. An adjustable flow control valve shall regulate upward motion of gutter broom.
- YES Each gutter broom shall be controlled from inside the cab by a single electric toggle switch.
- YES Each gutter broom shall additionally incorporate a hydraulically actuated tilt capability of 27 degrees, remotely controlled from the operator's seat to allow instant adjustment for debris removal from deep gutters (such as those resulting from multiple overlays of blacktop).

#### DUST CONTROL WATER SYSTEM

- YES Water tank(s) shall be 440-gallon capacity, constructed of recyclable polyethylene for strength and puncture resistance. Tank shall be 100% rustproof. Tank shall be of bolt-in design for easy removal. Tank shall have a water level sight gauge. An additional polyethylene water tank shall be provided to bring the total capacity to 440 gallons.
- YES Water from tank to be filtered by 80 mesh cleanable filter located between tank and water pump.
- YES A belt driven Cat 290 Triplex Piston water pump delivering minimum of 5.0 GPM with a 25 PSI system relief pressure and with an electronic solid state liquid level sensor to automatically shut off pump and turn on low water warning lamp when water is depleted.
- YES Electric solenoid water control valves shall be cab controlled. Spray system shall include spray nozzles to be located as follows: minimum of 4 on outside of pick-up head; 2 for each gutter broom; 1 inside hopper. Water nozzles to be located on outside of pick-up head and suction tube for easy inspection and superior dust control.
- YES Water tank shall have anti-siphon/anti-pressure filler neck with air gap.
- YES Flexible 20-foot (minimum) long water fill hose with 2-1/2" coupling for filling water reservoir and hose storage rack shall be provided. Water fill hose shall include a stainless 100 mesh cleanable filter.

## OPERATING CONTROLS

- YES All operating controls for sweeper (except dump control) shall be mounted inside truck cab and readily accessible to the operator in either right or left driving position.
- YES All main electrical systems, i.e. ignition, light, hydraulic and water shall be separately fused to isolate electrical problems to fixed area and speed service.
- YES Auxiliary engine controls and gauges shall be mounted on console panel and consist of, but not limited to, ignition switch, linear actuated throttle, oil pressure gauge, water temperature gauge, volt meter and tachometer.
- YES Sweeper controls, meters and gauges shall consist of, but not limited to, right gutter broom-left gutter broom, pick-up head, beacon or strobe light, water system, and work light lighted paddle type switches, low water light, hour meter and leaf pressure switch.
- YES All external wiring, harnesses and terminations shall be of a sealed, weather-tight design utilizing heat-shrinkable components. Additionally, where feasible, all connectors shall utilize solid, cold-formed, nickel-plated copper alloy contacts with gas-tight crimps (Deutsch).
- YES Dump control shall consist of a single weather-proof toggle switch located on the exterior of sweeper just above the left side fender well.

## Additional equipment for sweeper and chassis.

- YES Abrasion protection package shall be furnished with standard hopper screen with screen baffles; protective hopper wall liners; suction nozzle liner; pressure wear pads; heavy duty pressure hose
- YES Auto Sweep Interrupt (ASI) shall be furnished. It is an electronic circuit that is designed to accomplish the following sequence of operations when the transmission gear selector is placed into reverse with the ASI set in the Auto mode. 1) The auxiliary engine is idled. 2) The water system is turned OFF. 3) The gutter broom is stopped 4) the pick-up head is raised.
- YES Auxiliary hydraulic system shall be furnished to electrically operate the hydraulic system without auxiliary engine running. [Standard with Auxiliary Hand Hose Hydraulic Boom Assist]
- YES Chassis hour meter shall be furnished to record truck engine hour operation.
- YES Fire extinguisher, refillable, dry chemical unit, DOT approved, shall be cab mounted.
- YES Fuel/water separator for the auxiliary engine shall be furnished.
- YES Hazard reflectors, 3 triangular red reflectors, shall be furnished.
- YES Hi/low pressure wash down system with self-contained water supply, 50 ft retractable hose reel, low volume wash down hose, a Cat 290 water pump; a wand with trigger control and two interchangeable lance lengths of 48" and 36" shall be furnished.
- YES High output water system shall be furnished with additional nozzles and deflectors strategically located to control extreme dust.
- YES Hopper de-ice system with high volume nozzles which attach to a fire hydrant to flush the hopper shall be furnished and shall include quick disconnect fittings on nozzle and filler hose.
- YES Hopper drain system shall be mounted on lower right panel of dump door; screen assembly hinges for easy cleaning on the inside of hopper.
- YES Hydrant wrench shall be furnished.
- YES Low emission package shall be furnished to meet AQMD Rule 1136 compliance.
- YES Slow moving vehicle emblem, reflective triangular emblem, shall be rear mounted.
- YES Spare tire and wheel to match tires and wheels on truck shall be furnished.
- YES Provide KG Rear Vision SY1550GSS with dual camera system. One camera mounted at pickup head and one rear mounted camera, with auto-reverse feature.

## CHASSIS

### Freightliner FC 70

OR EQUAL

#### GENERAL

YES Chassis/cab shall be tilt cab design. Frame to be straight full channel steel rails with 12.501 SM (50,000 PSI) with 625,000 RBM. Gross vehicle weight rating to be not less than 31,000 GVW. Curb weight with cab, fuel, water, oil and tires shall be approximately 9,250 lbs. Standard tilt truck cab enclosed and equipped with tinted safety glass all around, air suspended individual seats with safety seat belts. Front tow hooks shall be provided. (Sliding windows not acceptable.)

#### WARRANTY

YES Total chassis coverage is 24-months/unlimited mileage.  
YES Engine (diesel) coverage is 24-months/unlimited mileage.  
YES Drive train (excl. clutch) coverage is 24-months/unlimited mileage.  
YES Frame coverage is 60-months/unlimited mileage.  
YES Cab corrosion coverage is 60-months/unlimited mileage.

(Warranty coverage is 100% parts and labor unless otherwise noted as provided by chassis manufacturer.)

#### WHEELBASE

YES Shall be 141" and shall provide 111" between back of cab and center of rear axle for proper load distribution.

#### AXLES

YES Front axle to be minimum of 10,000 lbs. with suspension of 10,000 lbs.  
YES Rear axle shall be 21,000 lbs. single speed with a ratio of 6.43, suspension to be minimum of 23,000 lbs. Flat leaf springs with helper spring and radius leaf.

#### STEERING

YES Dual operator controlled integral power steering with cruise control and dual operator gauge package.  
YES Diameter of steering wheel will be minimum 19 inches.

#### BRAKES

YES Service brakes to be full air with 15.2 CFM air compressor with two (2) air tanks mounted between rails adequately spaced.  
YES Front brakes shall be cam type, 15" x 4" Q-Plus with dust shields.  
YES Rear brakes shall be cam type, 16-1/2" x 7" Q-Plus with dust shields.  
YES Shall have automatic slack adjusters - front and rear.  
YES Parking brake shall be spring actuated.  
YES Four-channel anti-lock brake system shall be supplied.

#### CAB

YES Cab shall have chassis manufacturer's factory installed air conditioner for operator safety and comfort. After market air conditioners are unacceptable.  
YES Cab to have individual driver and passenger air, mid-back adjustable seats with safety seat belts.  
YES Tinted glass shall be provided.  
YES Dual sun visors, coat hook, storage pocket on driver door, single electric horn, electric intermittent windshield wipers with washers shall be provided.  
YES Chassis shall be equipped with fresh air heater, defroster, dual painted 7" x 16" electrical controlled mirrors, and 12" diameter parabolic mirrors.  
YES AM/FM radio with Weather band and clock shall be provided.

#### ELECTRICAL

YES Shall consist of two multiple beam headlights with dash beam indicator, instrument panel, taillights, stop lights, front and rear turn signals (front signals to be fender mounted, and self canceling signal switch, equipped for four way flashing. Taillights, stop lights and signal lamps may be in combination.  
YES Shall have two 12-volt (1250 CCA total) maintenance free batteries.

YES Shall have a 100-amp alternator.

**ENGINE**

YES Shall be heavy duty In-Line six cylinder, air-to-air after cooled, turbocharged diesel with a minimum 205 HP @ 2300 RPM with 359 cubic inch displacement, 520 ft-lbs. @ 1600 RPM torque.

YES Dry type single element air cleaner with restriction indicator mounted on intake.

YES Integral shutdown protection system shall be furnished.

**FUEL**

YES A 50 gallon steel tank shall be supplied and shall supply fuel to both engines.

**TIRES AND WHEELS**

YES Heavy duty first line quality tubeless tires to be minimum 11R x 22.5, 14 ply rating with duals in rear for adequately carrying full load of sweeper and maximum stability.

YES Wheels to be 10-hole disc - 22.5 x 8.25, hot-piloted.

**TRANSMISSION**

YES Shall be heavy duty Allison electronic automatic, five-speed forward, one reverse.

**Additional Sweeper Service requirements:**

Service work shall be started within 48 hours of the service call

All warranty repairs to be done on site during warranty period. (Unless major repairs are needed and transportation of sweeper will be dealers the responsibility)

A loaner sweeper shall be provided if repairs cannot be completed within one week of initial service call.

\$ 114,995. Base Sweeper price.

**Additional Warranty Pricing:**

\$ 2,165 Complete Bumper-to-Bumper Chassis Extended warranty 5 years 100,000 miles.

\$ 300. Transmission 5 year 100,000 mile warranty.

\$ 500. Auxiliary engine 5 year 5,000 hr. Warranty.

\$ 8,200 Optional 1 year on site maintenance program. Submit detail program with bid package.

**F**  
**M**  
**E**

**FLORIDA  
MUNICIPAL  
EQUIPMENT, INC.**

June 26, 2002

Mr. Leo Williams  
Utility/Public Works Superintendent  
City of Dania Beach  
100 West Dania Beach Boulevard  
Dania Beach, Florida 33004

Re: Bid for Regenerative Air Street Sweeper

Dear Mr. Williams:

Thank you for the opportunity to submit our bid for the purchase of an air regenerative street sweeper.

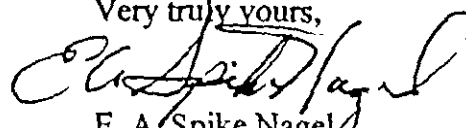
The City's specifications, as issued, are written around one specific manufacturers design and therefore preclude any other bidder from submitting a bid that is in complete compliance with the City's specifications. Our bid is based upon the **Johnston** Model 770 Cyclone recirculating air sweeper. **Johnston** is the largest manufacturer of air conveying sweepers in the world and Florida Municipal Equipment, Inc. (FME), as their Florida distributor is the largest supplier of street sweepers in the entire state. At present, there are over forty (40) **Johnston** sweepers in operation with various municipal entities in southeast Florida alone.

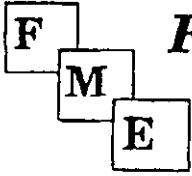
We look forward to the opportunity to demonstrate the Model 770 Cyclone to you and relevant City staff in order to further explain the design differences between this sweeper and the unit specified. We trust that you'll agree that the **Johnston** Model 770 Cyclone is a superior design that will provide the City of Dania Beach with the best value for their capital investment.

Our bid price for the **Johnston** Model 770 Cyclone in complete accordance with the City's specifications unless otherwise noted in our General Specifications responses is \$114,995.00 F.O.B. Dania Beach, Florida. Additional warranty pricing is included on the last page of the City's bid package.

Thanks once again for your consideration. Please don't hesitate to contact the undersigned should you have any questions or require any additional information.

Very truly yours,

  
E. A. Spike Nagel  
Territory Manager



**FLORIDA  
MUNICIPAL  
EQUIPMENT, INC.**

July 15, 2002

Mr. Leo Williams  
Superintendent  
Public Works and Utilities  
City of Dania Beach  
100 West Dania Beach Boulevard  
Dania Beach, Florida 33004

Re: Proposal for Autolube System for Johnston Street Sweeper

Dear Leo:

Thanks for taking the time to come out earlier today to see the **Johnston 770 Cyclone** demonstration.

Per your request, I have investigated the cost of adding an autolube system to the **Johnston 770 Cyclone**.

The autolube system is a device that allows for one point fill of lubricating grease which is automatically timed to inject grease to selected stationary grease nipples located throughout the machine. The individual grease fittings are sized to deliver the optimum amount of grease based on their frequency of use and range of motion.

The cost to include all parts, material, and labor for the autolube system exclusively for the stationary street sweeper components is \$3,285. To include the stationary points on the Freightliner cab over chassis would increase the cost to \$4,125.

The proposed installation would be completed by Florida Municipal Equipment, Inc. (FME) prior to delivery of the sweeper to the City and would be covered by the manufacturer's standard one (1) year warranty.

Thanks again for your time and consideration. Please don't hesitate to contact me should you have any questions or require any additional information.

Very truly yours,

Daniel J. Federico  
President



# Proposed Customer Support Program for the City of Dania Beach, Florida

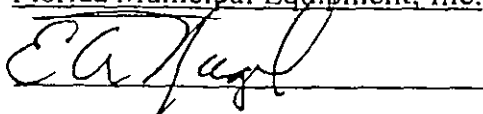
We are pleased to see the inclusion of additional sweeper service requirements as a condition to the City's bid for a new street sweeper purchase. Unfortunately, without the inclusion of specific non-performance penalties, an unscrupulous vendor may opt to forgo his obligations knowing that there is very little recourse the City has once they've accepted a particular sweeper.

Florida Municipal Equipment, Inc. (FME) has subscribed to the principal of providing a high level of after sales support and has backed up this commitment with guarantees that ensure performance or provide tangible recourse to the City. To this end, we are pleased to make the following customer support offer to the City of Dania Beach, Florida:

- **Guaranteed Replacement Parts Shipment** – FME hereby agrees to have any part for the **Johnston** Series 770 Cyclone sweeper (excluding truck chassis and auxiliary engine) shipped by the method requested by the City within a **maximum** of two (2) normal business days. Part(s) that are not shipped within the two (2) normal business days time commitment will be supplied to the City free of charge including freight. This offer is valid for seven (7) years or while the sweeper is owned by the City, whichever occurs first.
- **Service Response Time** – FME hereby agrees to commence repairs for all service call requests for the sweeper within a **maximum** of two (2) normal business days and to **complete all sweeper repairs within a maximum of five (5) normal business days**. In the event repairs are not completed within this timeframe, FME will pay the City financial restitution in the amount of \$250 per normal business day for each normal business day beyond the five (5) normal business days while the machine is unavailable to work (i.e., "down"). At the City's exclusive option, providing a loaner sweeper in lieu of the financial penalty could satisfy this requirement.

Submitted by: Florida Municipal Equipment, Inc.

Signature:



Name:

E. A. Spike Nagel

Title:

Territory Manager

Date:

June 26, 2002

# Street Sweeper Bid for the City of Dania Beach, Florida

## Variations to General Specifications

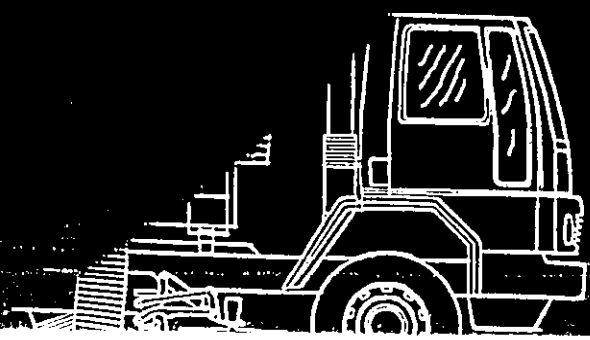
As the General Specifications as issued by the City of Dania Beach are specific to one manufactures design, it is impossible for any other bidder to submit an offer to the City, which is in complete compliance with the technical specifications. We are submitting our proposal in good faith based on what we perceive to the City's intent. Further, the following represents a specific response to those items to which we cannot comply with the letter of the technical requirement:

1. General – The **Johnston** Series 770 Cyclone has been in production for over one year. Prior to release to the general market place, this unit has been field tested with various customers in a variety of geographic areas for eighteen (18) months. **Johnston** is the world's largest manufacturer of air type sweepers and has taken their fifty (50) years of vacuum sweeper experience and grafted it into their recirculating air product. Florida Municipal Equipment, Inc. (FME) is the largest supplier of street sweepers in the State of Florida. In southeast Florida alone, there are over forty (40) **Johnston** sweepers in operation with various governmental agencies. In Broward County, we are pleased to call the City's of Hallandale, Miramar, Davie, Fort Lauderdale, Plantation, Sunrise, Pompano Beach, and Deerfield Beach as well as the County's Street and Highways and Port Departments as **Johnston** customers. Many of these FME customers are second generation (or older!) **Johnston** customers. We believe that there are more **Johnston** sweepers in operation with Broward County municipalities than there are machines as specified by the City of Dania Beach in operation with local governmental agencies throughout the entire State of Florida.
2. Power Unit – The unit has two (2) fuel tanks, one for each engine, which provides a total of fifty eight (58) gallons of combined capacity and ample capacity for each engine for an eight (8) hour shift without the need to refuel.
3. Dust Separator – The entire dust separator inlet area is liner with bonded wear resistant rubber. The Model 770 Cyclone utilizes two (2) 28 ½" x 36 ½" stainless steel screens to allow air to move freely from the hopper into the centrifugal dust separator.
4. Hopper – The debris hopper on the Model 770 Cyclone dumps to a forty nine (49) degree angle which facilitates debris discharge and combined with an internal tank flusher, reduces clean out time. A single right hand side inspection door which is 14" x 18" in size allows for hopper viewing and insertion of large debris.
5. Hydraulic System – The hydraulic reservoir on the Model 770 Cyclone is twenty (20) gallons.

6. Blower – The Model 770 Cyclone's blower is constructed of steel, which eliminates the need to cover with rubber, as is the case with the aluminum blower specified.
7. Pick-Up Head-Broom Assist – The pick-up head size on the Model 770 Cyclone is 93" x 39" which is a nominally larger area than the head specified by the City.
8. Gutter Broom(s) -- The gutter broom down pressure control is in cab adjusted by the operator based on the conditions. In light sweeping conditions, additional weight can be taken off of the gutter brooms so as to increase component life and reduce operating costs.



770  
CYCLONE



# 770 SERIES

Like a true cyclone

A hopper dump angle of 49° provides quick

## Performance

With a sweeping gust of air, the 770 Cyclone can pick up the biggest and bulkiest loads with unbelievable speed and efficiency. Equipped with a 93" wide pick-up hood and two large 43" diameter gutter brooms, the 770 is a powerful cleaning machine that will leave your streets sparkling. The simple flick of an "in cab" joystick allows the pick-up hood to hover and ingest large articles of debris that other sweepers normally leave behind. The rust-proof stainless steel hopper is capable of holding massive amounts of rubbish in its huge 7.4 cubic yard hopper, which promotes increased productivity by allowing the operator to sweep longer between unloading.

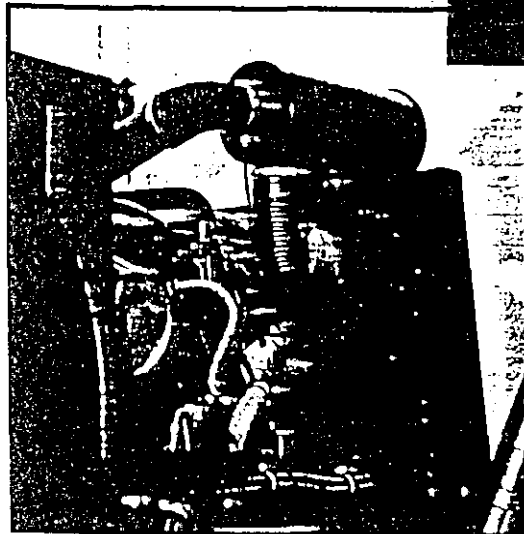
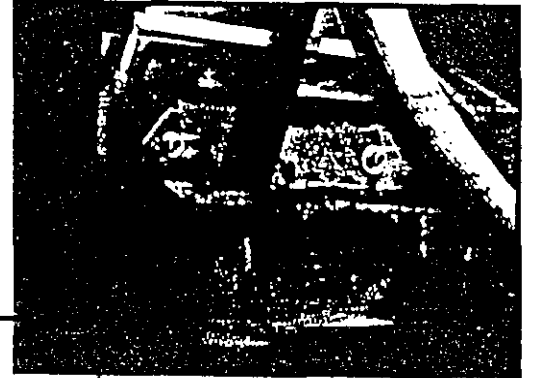
An optional water re-circulation system maximizes productivity and reduces dust emissions by allowing the machine to sweep up to three times longer than normal without having to replenish the water supply. The water re-circulation system also ensures constant lubrication of internal components and continued dust suppression even after normal water supplies have been exhausted.

## Ingenious Design

Johnston Engineers have crafted the 770 Cyclone to exceed the most stringent cleaning demands by designing an exceptional air re-circulation system that has superior cleaning capabilities, offers low maintenance, and is a breeze to unload and wash out at the end of the day. Your operator will be happy with the small turning circle and exceptional maneuverability, plus the renowned Johnston heavy-duty suction performance that keeps him in the driving seat rather than outside unplugging the nozzle. At the end of the day, the 770 Cyclone is easy to unload with a 49° dip angle and smooth stainless steel floor and sides that allow for effortless load ejection and easy wash out of the hopper. A wash down hose is also supplied for quickly rinsing the body, air intake screens and the rear door seal. The Cyclone also features two 17" mesh, tool-free, swing-down suction screens that enable the operator to easily clean off any light debris when washing the



An optional wash out system makes end of the day cleanups a snap. Simply attach a hydrant hose to the external coupling and clean the entire hopper, dust separator, suction and pressure hoses, and underside of pick-up hood in one action.

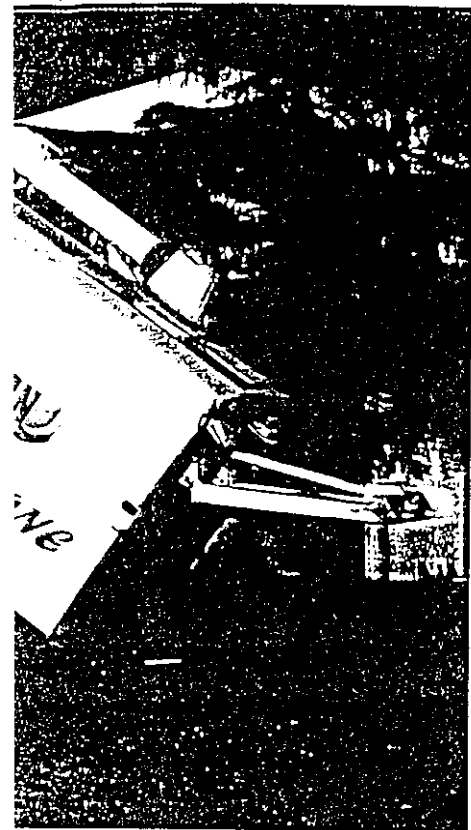


The turbo charged diesel engine is housed in its own dust and waterproof enclosure for the ultimate

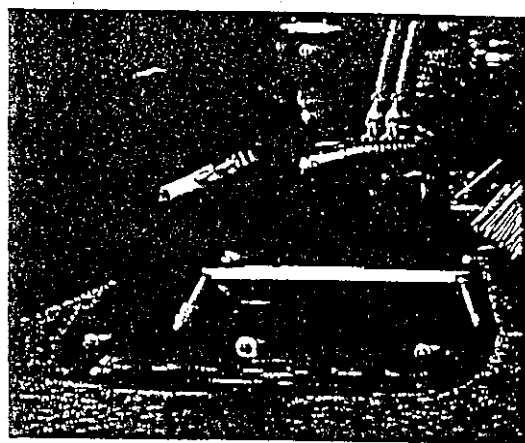
The Johnston "Sepa-Vac" dust separator opens and empties automatically each time the hopper is raised. No cables or pulleys are used.



ly load discharging.



Body prop automatically engages to ensure operator safety.



93" wide pick-up hood features non-handed, wear resistant skids with carbide inserts for prolonged life.

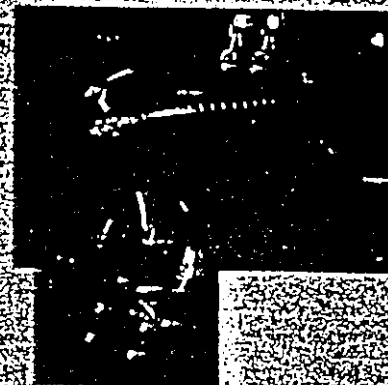


A centralized, weatherproof systems locker, allows easy accessibility to components.

## Safety

Johnston's first priority in new model development is safety. We want our machines to be safe for your operator and the community. All sweeping functions on the 770 Cyclone are cab controlled, so all sweep gear can be stowed and all water sprays stopped by simply flicking a joy stick on the control panel. This is particularly useful when the vehicle has to stop at an intersection or when giving way to an emergency vehicle. It also conserves water and prevents unnecessary broom wear. For operator safety during the dump cycle, the 770 Cyclone has an automatic tail gate body prop that deploys each time the hopper is raised. For hopper lowering, an ingenious retraction device disengages the body prop ensuring that your operator never has to reach under the vehicle.

• An optional water recirculation system maximizes productivity by allowing the machine to sweep even when the water tanks are empty.



• The 315 gallon water tank, the largest in its class, increases sweep duty time and productivity.

• Capable of 50 mph road speeds for rapid transit to and from dump sites.

• Ergonomic operating controls and a spacious cab provide an efficient and comfortable environment for the operator.



• A 135 wheel base provides excellent maneuverability when sweeping in tight spaces around parked cars and in other tight areas.

• The 770 Cyclone can also sweep in reverse without damaging any of the sweeping components.

• 43" diameter gutter brooms provide superior cleaning ability.





## Optional Equipment

- Water re-circulation system
- Brush assisted pick-up head
- Top mounted broom wander hose with spring counterbalance
- Power assisted wander hose with hydraulic raise and lower
- Lightweight hand held "Litta-snatch" rear mounted wander hose
- Alternative brush tine/filaments for gutter broom and pick-up head brush
- "Roto-tilt" gutter broom, remote controlled angling system
- "Supa-wash" high pressure water spray and wash system
- Auxiliary engine instrument gauge cluster
- Intake tube power flap

## Specifications

### AUXILIARY SWEEPER ENGINE

Type: John Deere 4045T turbocharged diesel; Fuel injected, water cooled 4 cylinder; operational to 125° F ambient; heavy duty air cleaner with pre-cleaner and restriction indicator; stainless steel muffler; engine shutdown for low oil pressure, high engine temperature.

**Compression & Torque:**  
Maximum torque – 291 ft/lbs @ 1400 rpm.

**Horsepower:** 115 hp (86 kw) @ 2500 rpm.

**Air Filter:** Two stage dry type air cleaner with safety element; with restriction indicator.

**Fuel Tank:** Capacity – 26 gal (100 L); with external filler & locking cap.

### GUTTER BROOM

Broom: Two 43" (1092mm) diameter brooms, steel wire tines.

**Hydraulic Motor:** Direct hydraulic drive; variable speeds, variable positioning from in cab. Gutter broom ground pressure

adjustable from control box in cab.

### WATER SYSTEM

315 gallon (1200 L) capacity integral stainless steel pannier tanks, all rigid lines constructed of stainless steel, spray nozzles at gutter broom, pick-up hood, water supply activated automatically with brooms/hood selection, wash down hose with nozzle trigger, low level warning light and audible buzzer warns operator of low water conditions, 12' (3.7M) hydrant fill hose, 25' (7.6M) wash down hose, diaphragm type water pump to develop 55 psi, 9.5 gpm.

### ELECTRIC SYSTEM

12 volt, 55 amp alternator, key switch for engine start/stop, rear mounted strobe and back-up alarm, warning lamps for oil pressure, engine temperature, weight load indicator and alternator.

### BODY/HOPPER

Volume: Hopper Volume 7.4 cu yards, payload 6.5 cu yards; Automatic, self-engaging body prop when hopper is raised; automatically locking rear door

with sealed inspection door.

### FREIGHTLINER CAB-OVER TYPE

With full "cross-over" system to change steering control, brakes, throttle and all gauges, from left to right hand side of vehicle.

### PICK-UP HOOD

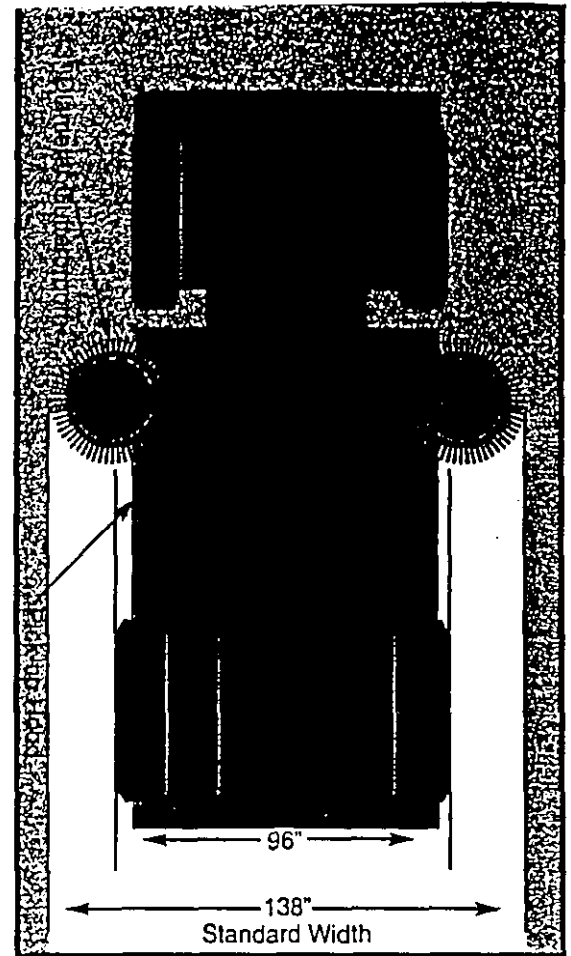
93" wide, spring suspended for low load surface wear, camber control feature for deep cleaning of irregular surfaces, wear resistant skids with carbide inserts, automatic latch and lock system for transporting, hover feature for larger debris, internal spray nozzles for dust control, 14" diameter suction & pressure hoses.

### PNEUMATIC SYSTEM

Pneumatic valves activated by cab mounted switches to activate air cylinders to raise and lower gutterbrooms, control gutter broom ground pressure and control vacuum enhancer gate.

### DUAL SWEEP EQUIPMENT

Dual gutter brooms fitted right and left side.



### CATCH BASIN CLEANER

Top-mounted, 360° operation, 8" (200mm) diameter, spring compensated for load relief (optional hydraulic controls), internal spray nozzle for dust control, storage rack for additional extensions.

### HYDRAULIC SYSTEM

26 gallon (100L) oil capacity, 9 gpm gear-type pump off engine timing case to operate hydraulic system @ 2,200 psi. Hydraulic pump driven off chassis PTO system to raise/lower rear door and body.

### EXHAUSTER FAN

Heavy duty multivane fan with abrasion resistant steel vanes, dynamically balanced, 28.5" (225 mm) diameter. Fan driven by a step-up gearbox via an adjustment-free fluid drive coupling, mounted within the engine flywheel.

*Johnston reserves the right to change specifications without notice.*

Distributed by:

**F** Florida  
**M** Municipal  
**E** Equipment, Inc.

2850 Mine and Mill Road  
Lakeland, Florida 33801  
Phone: (863) 665-2091  
Fax: (863) 665-5946

Web Site: [www.fmesales.com](http://www.fmesales.com)



# JOHNSTON

**Johnston Sweeper Company**  
4651 Schaefer Avenue • Chino, CA 91710  
(909) 613-5600 • FAX (909) 613-5736  
[www.johnstonsweeper.com](http://www.johnstonsweeper.com)  
E-mail: [sales@johnstonsweeper.com](mailto:sales@johnstonsweeper.com)



AGENDA INTEROFFICE TRANSMITTAL  
CITY CLERK DEPARTMENT

TO: Leo Williams - Public Works  
Nanci Denny - Purchasing  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FROM: Charlene Johnson, City Clerk

DATE: September 17, 2002



Your department is being provided a copy of the following Resolution or Ordinance, with backup material, as approved by the Dania Beach City Commission on 09-10-02.

If the attached documentation relates to an expenditure matter, please forward a requisition, at your earliest convenience, to Nanci Denny, Purchasing Division. If the item relates to an expenditure, Nanci Denny will get a copy of this resolution/ordinance as well so that you do not need to include copies with your requisition request.

Documents Attached: Resolution # 2002-152  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Expenditure Item/Copies to N. Denny:  yes  no

If you require any further information, please call me at 924-3622.



RESOLUTION NO. 2002- 152

A RESOLUTION OF THE CITY OF DANIA BEACH, FLORIDA, AWARDING THE BID TO FLORIDA MUNICIPAL EQUIPMENT, INC., IN THE AMOUNT OF \$117,960.00 FOR THE PURCHASE OF A REGENERATIVE AIR STREET SWEEPER FOR THE UTILITIES/PUBLIC WORKS DEPARTMENT; PROVIDING THAT THE BID AMOUNT SHALL INCLUDE A 5-YEAR WARRANTY FOR SAID VEHICLE; PROVIDING FOR CONFLICTS; FURTHER, PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Charter of the City of Dania Beach, Part III, Article 3, Section 4, Subsection (J), authorizes that contracts for the purchase of supplies, services, equipment and materials for the city government in excess of fifteen thousand dollars (\$15,000.00) shall not be entered into or let except by authorization and approval of the City Commission, after advertisement for bids in a newspaper published in Broward County, Florida, with such publication to be published weekly for two (2) consecutive weeks with the first publication to be not less than fifteen (15) days prior the reception of bids; and

WHEREAS, bids and specifications for a Regenerative Air Street Sweeper were advertised and received on June 27, 2002, and;

WHEREAS, the City Manager has determined, after review of the bids received by a designated bid committee, that such Regenerative Air Street Sweeper could be purchased at the least cost to the City by awarding the bid to Florida Municipal Equipment, Inc., in the amount of \$117,960.00 including complete Bumper to Bumper Chassis Extended warranty for 5 years 100,000 miles.

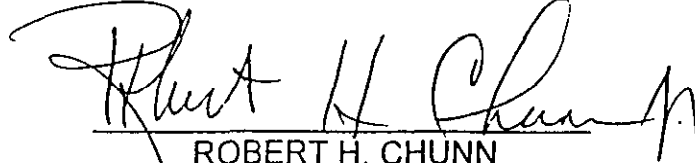
NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF DANIA BEACH, FLORIDA:

**Section 1.** That the Dania Beach City Commission awards the bid to Florida Municipal Equipment, Inc., in the amount of \$117,960.00, based upon competitive bids, for the purchase of a Regenerative Air Street Sweeper for the Utilities/Public Works Department.

**Section 2.** That all resolutions or parts thereof in conflict with this resolution are repealed to the extent of such conflict.

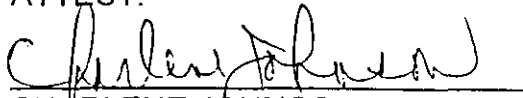
**Section 3.** That this resolution shall be in force and take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS 10<sup>th</sup> DAY OF SEPTEMBER, 2002.



ROBERT H. CHUNN  
MAYOR-COMMISSIONER

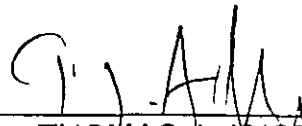
ATTEST:

  
CHARLENE JOHNSON  
CITY CLERK

ROLL CALL:

COMMISSIONER BERTINO - YES  
COMMISSIONER MCELYEA - YES  
COMMISSIONER MIKES - YES  
VICE-MAYOR FLURY - YES  
MAYOR CHUNN - YES

APPROVED AS TO FORM  
AND CORRECTNESS:

BY:   
THOMAS J. ANSBRO  
CITY ATTORNEY



AGENDA REQUEST FORM  
CITY OF DANIA BEACH

# 8.1

AGENDA ITEM NO. \_\_\_\_\_

1. DATE OF COMMISSION MEETING: 09/10/02

2. DESCRIPTION OF AGENDA ITEM: PURCHASE OF VEHICLES AND EQUIPMENT FOR UTILITIES/PUBLIC WORKS DEPT.

3. COMMISSION ACTION BEING REQUESTED:

- Adopt Resolution or Ordinance       Expenditure       Award Bid/RFP
- Presentation       General approval of item       Continued from \_\_\_\_\_ meeting
- Other (please explain)

4. SUMMARY EXPLANATION & BACKGROUND:

PURCHASE OF A STREET SWEEPER APPROVED IN THIS YEARS BUDGET.  
 SWEEPER BASE BID - \$114,995.00  
 SWEEPER WARRANTIES BID - \$2,965.00

5. ATTACHED EXHIBITS AND ADDITIONAL BACKUP MATERIALS (PLEASE LIST):  
 MEMO TO CITY MANAGER  
 BID DOCUMENTS FOR STREET SWEEPER

6. FOR PURCHASING REQUESTS ONLY: Dept: UTILITIES/PUBLIC WORKS

7. Amount: \$117,960.00

Fund: GENERAL:       WATER:       SEWER:       STORMWATER:

Account name: CAPITAL LOAN      Account #: \_\_\_\_\_

Finance Director Approval: \_\_\_\_\_ Date: \_\_\_\_\_

7. REVIEWED AND APPROVED FOR ADDITION ON AGENDA:

[Signature]  
 Submitted by: \_\_\_\_\_  
[Signature]  
 Department Director

9/03/02  
 Date  
9/5/02  
 Date

\_\_\_\_\_  
City Manager

\_\_\_\_\_  
Date



# MEMO ANDUM

DATE: July 26, 2002  
TO: Ivan Pato – City Manager  
FROM: Leo Williams – Util/PW Supt. *LW*  
CC: Michael Sheridan – Util/P W Director  
RE: Vehicle Purchase

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We are requesting approval by the Commission at the 08/13/02 meeting the purchase of a "Johnston 770 Cyclone Street Sweeper" at this time. This was also approved as part of the capital improvements earlier this year and included in the budget. We received three bids that met our requirements and Florida Municipal Equipment was the lowest bidder at \$117,960.00, which includes the base machine and warranties. All bids were reviewed and machines examined by a committee that included Mike Sheridan (Util/P W Director), Don Hansen (Chief Mechanic), Jim Fields and Dan Stubbs (Sweeper Operators) and myself. We concluded this machine met our requirements and with it being the lowest bid and the fact that Florida Municipal Equipment currently has supplied over 40 Johnston Sweepers to various municipalities in SE Florida giving them a large presence here, this is our best choice to proceed with. This price includes various extended warranties, service and part guarantees, and operator and maintenance mechanic training.

**ATTACHMENT 5**



## **CITY OF DANIA BEACH**

Utilities and Public Works  
P. O. Box 1708  
Dania Beach FL 33004

Phone : 954-924-3742  
Fax: 954-923-1109

Lee County Department of Transportation

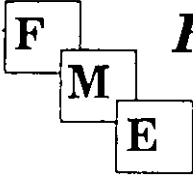
Donat Lawes,

As per our conversation the City of Dania Beach has no problem with your Department piggybacking off of our recent bid package and contract regarding the purchase of a Johnston 770 Cyclone street sweeper.

Sincerely,

A handwritten signature in cursive script that reads "Leo Williams".

Leo Williams  
Superintendent, Public Works & Utilities



**FLORIDA  
MUNICIPAL  
EQUIPMENT, INC.**

**ATTACHMENT 6**

Lee County  
DOT Operations  
Mr. Jim Hass  
(239) 694-3382

March 19, 2003

Dear Mr. Hass;

Thank you for taking my call today concerning street sweepers. After contacting the factory we will honor for piggyback the current bid contract from Dania Beach until July 1, 2003. The bid includes a full five year bumper to bumper warranty on the entire unit.

Total bid price with five year bumper to bumper warranty: \$ 117,960.00

Bid includes all standard chassis and sweeper equipment plus the following:

New 2003/04 Freightliner FC-70 cab over chassis with dual steering and controls.

Factory air conditioning and heater, dual outside power mirrors, Am/Fm stereo, turbo charged diesel engine, Allison automatic transmission, dual air ride seats, chassis hour meter, spare wheel and tire, two outside cameras rear and side mount, it's fully loaded.

Johnston 770 regenerative air sweeper body to include:

7.4 yard all stainless steel hopper with factory "Lifetime Warranty" against rust through.  
Large 440 gallon stainless steel water tank with "Lifetime Warranty" against rust through.  
Five (5) year warranty on fan impeller drive system, Fluid coupling with step up gear box saves on fuel, maintenance, and noise levels ( no belts to change or to adjust ), Auxiliary engine is a 115 h.p. turbo charged diesel, Auxiliary fuel water separator, Engine gage package, Engine shut down system, 49 degree body dump angle ( no raker bar repairs ), Amber strobe light, Two rear mounted work lights, Two amber rear flashers, LED arrow board, Left and Right side roto-tilt side broom in cab adjustment ( no outside adjustment), Sound suppression package, Broom assisted pick up head, Water fill hose, Auto reverse pick up of all sweep gear, High pressure wash down system, Plus, bid includes air fare and hotel stay for three people at our factory in southern California. This factory trip is very informative for both the operator and supervisors. You can see your sweeper being built along with a hands on school and other sweeper related material. The Dania Beach bid includes a pick and choose option page that allows you to add or delete options to best fit your application and budget. The above sweeper has too many options to mention. Johnston guarantees parts shipped out to you within 48 hours or they are "FREE" no cost. We guarantee 24 hour service response time to eliminate unnecessary downtime. We provide you with a "FREE" loaner sweeper to use after 72 hours of downtime free. The above warranties and guarantees are for as long as you own your Johnston sweeper. For more on Johnston sweepers contact me at (813)786-7748 or by fax at (813)891-9116. Again, thanks for your time.

Sincerely;

Jim Norris

*Scott*

**MEMORANDUM  
FROM  
THE DIVISION OF PURCHASING**

DATE: May 5, 2003

TO: MARILYN RAWLINGS  
FLEET MANAGER

FROM: *Janet*  
JANET SHEEHAN, CPPB  
PURCHASING DIRECTOR

RE: BLUE SHEET # 20030546

PROJECT: One (1) Johnson 770 Cyclone Street Sweeper

TYPE: Piggyback Purchase

AWARDED TO: Florida Municipal Equipment, Inc.

Attn. Ms. Rawlings - When you have finished your review of this package, please forward it to Scott Gilbertson, DOT.

*RJ*

Attn. Mr. Gilbertson - When you have finished your review of this package, please forward it to Kristie Kroslack in the County Attorney's Office.

If there are any questions or concerns with this package, please contact Chevone Peterson at 689-7385.

*[Faint, illegible text]*

**RECEIVED**  
MAY 09 2003