

**DEPARTMENTAL INPUT**  
**CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

☒ New    ☐ OTR    ☐ Sole Source    ☐ Bid Waiver    ☐ Emergency

Previous Contract/Project No.

**N/A**

Contract

☐ Re-Bid

☐ Other

LIVING WAGE APPLIES:    ☐ YES    ☒ NO

Requisition No./Project No.:

**FB-00814**

TERM OF  
CONTRACT

**One-Time Purchase**

Requisition /Project  
Title:

**Top Loader Automatic Parts Washer-Vehicle Maint.**

Description:

**One ready-to-use automatic parts washer for Miami-Dade Transit to be used at the William Lehman Rail Vehicle Maintenance Facility**

Issuing Department:

**DTPW**

Contact  
Person:

**Angela Mathews-  
Tranum**

Phone:

**786-469-5424**

Estimate Cost:

**\$98,365.00**

GENERAL    FEDERAL

OTHER

Funding Source:

**DTPW**

**ANALYSIS**

Commodity Codes:

**075-19**

**075-49**

Contract/Project History of previous purchases three (3) years  
Check here ☒ if this is a new contract/purchase with no previous history.

**EXISTING**

**2<sup>ND</sup> YEAR**

**3<sup>RD</sup> YEAR**

**Contractor:**

**N/A**

**Small Business Enterprise:**

**Contract Value:**

**\$98,365.00**

**Comments:**

Continued on another page (s):    ☐ Yes    ☒ No

**RECOMMENDATIONS**

Set-aside

Sub-contractor goal

Bid preference

Selection factor

**SBE**

**x**

Basis of  
recommendation:

Date sent to SBD: 01/23/2018

Signed: *Bonnie Taylor Wilson*

Date returned to DPM:

**SECTION 2 – SPECIAL TERMS AND CONDITIONS****2.1 PURPOSE**

The purpose of this solicitation is to establish a contract for Miami-Dade County on behalf of the Department of Transportation and Public Works (DTPW) to purchase one (1) Heavy-Duty Automatic T- 7000-P Parts Cleaner that will be used for daily activities of rail vehicle maintenance to include the cleaning of several components from railcars, Machine Shop, Component Shop, Air Brake Shop, Traction Motor Shop, etc.

**2.2 TERM OF CONTRACT**

This contract shall commence on the date of the Purchase Order (PO) and shall remain in effect until such time as the unit acquired in conjunction with this solicitation has been accepted by the County's authorized representative and upon completion of the expressed and/or implied warranty periods.

**2.3 METHOD OF AWARD**

Award of this contract will be made to the lowest price responsive, responsible Bidder who meets the minimum requirements for award.

**2.4 MINIMUM REQUIREMENTS**

Vendors are required to demonstrate that their firm has been supplying Automatic Parts Cleaners as requested in this solicitation and as outlined in Section 3-Technical Specifications. To demonstrate this past experience, Bidders are required to provide three (3) business reference letters which state similar products have been provided within the last three (3) years. The signed reference letter on customer's company letterhead must include:

- Customer's Company Name and Address
- Contact Name, Title and Email
- Contact Telephone Number

**2.5 PRICES**

The prices shall remain fixed and firm during the term of the contract.

**2.6 SHIPPING TERMS**

All Bidders shall provide pricing based on FOB (Freight-on-Board) and shall hold title to the unit until such time as they are accepted by an authorized Miami-Dade County Representative. Department of Transportation and Public Works staff will coordinate with the awarded Bidder a set time and date to pick up the unit.

**2.7 ACCEPTANCE OF PRODUCT BY THE COUNTY**

This unit shall be inspected and accepted by an authorized representative of Miami-Dade County. This inspection shall be performed to determine acceptance of unit and warranty conditions. If the unit does not

meet specifications, it will be returned to the Bidder and exchanged for a suitable unit or for full credit at no additional cost to the County.

**2.8 ADDITIONAL PARTS WASHERS MAY BE ADDED**

Although this solicitation identifies specific equipment to be serviced, it is hereby agreed and understood that additional equipment may be added to this contract at the option of the County. The awarded Bidder under this contract will be invited to submit price quotes for the purchase of new Parts Washers. If these quotes are comparable with prices offered for Parts Washers, the award shall be made to the awarded Bidder meeting the specifications in the best interest of the County. The awarded Bidder does not have an exclusive right to these additional washers. The County may determine to obtain price quotes for the additional washers from other Bidders in the event the County does not find the price quotes competitive.

**2.9 COMPLIANCE WITH FEDERAL STANDARDS**

All items to be purchased under this contract shall be in accordance with all governmental standards, to include, but not be limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA).

**2.10 MATERIALS SHALL BE NEW AND WARRANTED AGAINST DEFECTS**

The Bidder hereby acknowledges and agrees that all units, except where recycled content is specifically requested, supplied by the Bidder in conjunction with the Bid shall be new, warranted for their merchantability, and fit for a particular purpose. In the event any of the materials supplied to the County by the Bidder are found to be defective or do not conform to specifications, the County reserves the right to (1) cancel the order and return such units to the Bidder at the Bidder's expense or (2) require the Bidder to replace the unit at the Bidder's expense.

## **SECTION 3 – TECHNICAL SPECIFICATIONS**

### **3.1 SCOPE OF WORK**

These specifications define the requirements for the procurement of one (1) ready to use Automatic parts washer for Miami-Dade Transit. The Parts Washer will be used at the William Lehman Rail Vehicle Maintenance facility located in Miami-Dade County. The environment includes grease, solvents, dust and ground debris.

### **3.2 GOODS TO BE PROVIDED**

The unit shall be an Automatic Parts Washer. The Automatic Parts Washer shall be a top-loader model sealed cleaning chamber, filtration system, automatic oil skimmer, turntable drive system, pump motor, spray manifolds, heat/holding tank, recirculated rinse system, control system. The unit shall meet all applicable OSHA and ANSI standards.

### **3.3 SUPPLEMENTAL MINIMUM REQUIREMENTS**

Automatic Parts washer shall be equipped with all of the manufacturer's standard equipment and meet the following supplemental minimum requirements. Dimensional drawings of the proposed parts washer along with technical specifications showing that the unit can perform the work should be furnished by Bidder with their bid submittal.

#### **3.3.1 CAPACITY AND PERFORMANCE**

The unit shall be a top loader parts washer with a working height 31" and Turntable diameter 70" and turntable area 3860 sq. in. The parts washer turntable weight rated capacity 2,500 lbs. Overall Dims 91" (w) x109" (d) x62" (h). Unit should contain features described in section 3.

#### **3.3.2 CABINET**

Cabinet shall be made of Stainless Steel metal 1/8-3/16, with a power lid and cabinet size 300 gal. The cabinet should have a seal that prevents water from escaping. The parts cleaner should have a sub floor preventing parts from falling in the holding tank. Two drainage ports. An overflow port above normal solution level. Machine support off the ground with 4" high forklift channels. Removable tank access plates. Micron filter and low water shut down.

#### **3.3.3 FILTRATION SYSTEM**

Filtration system helps prolong the life of the solution and facilitate tank clean-out.

- Filter device that filters the solution before the used solution returns to the tank.
- Pitch installed on the tank floor forcing sediment to the rear of the unit.
- Motorized oil skimmer automatically controlled. A Trap tank to remove sediment.

### **3.3.4 PUMP**

Parts washer pump shall be seal-less, vertically mounted/ pump end submerged. The motor shall have an extended motor shaft (no coupling) connected directly to the impeller. Materials used for structure and body shall be inherently corrosion resistant or adequately protected from corrosion. Pump shall be 10 HP, output 200GPM/60 PSI.

#### **3.3.4.1 HEATING SYSTEM/HOLDING TANK**

The Heating system shall be electric, has automatically off and on timer. Temperature controls shall be with a remote panel mount thermostat that has a digital temperature read out. Heater out shall be 48 KW with a heat time 1.5 hours.

#### **3.3.4.2 AIR DRYING SYSTEM**

Drying cycle stage after last wash or rinse cycle. Drying cycle is adjustable timed from the control box. Regenerative blower is attached to machine with high velocity airflow (15,000 FPM). Regenerative has a filter in the intake system, air knives are include in the cleaning chamber.

#### **3.3.4.3 TURNTABLE/DRIVE SYSTEM**

The turntable shall have sealed bearing assembly. The Rim and spokes should have a minimal thickness of 3/16", Friction drive system, metal chain wrap around the circumference of the table.

#### **3.3.4.4 ELECTRICAL POWER**

The power shall be 460 volts / 3 phase.

#### **3.3.4.5 AUTOMATIC OIL SKIMMER**

Equipment should be equipped with motorize oil skimmer, wheel type, NEMA 12 drive motor and controlled by a 7 day/24 hour timer.

#### **3.3.4.6 SPRAY MANIFOLDS**

The shall be equipped with stainless steel , "V" jet spray nozzles, spray nozzles position should be above, below and on each sides of the turntable.

#### **3.3.4.7 CONTROL SYSTEM**

Parts washer should have operator control system that have NEMA 12 control panel and junction boxes, meets NFPA 79 standards, 110 volts controls, sub-circuits with circuit breakers, HMI with display screen (Equipment operation status), Cycle start/stop buttons,

7/24 automatically controls for heating and oil skimmer systems, Digital thermostat for heater, Jog button, Fault lights and all wires numbered.

### **3.3.5 SAFETY**

Unit shall have:

- Three post foundation
- Fixed turntable supported structure directly tied to ground, load is not hung on door hinge
- Loading height is minimal
- Green seal standard for energy efficiency

### **3.3.6 PAINT COLOR**

Parts washer should be an industrial color such as gray, light blue or light green.

### **3.3.7 MANUALS**

Three (3) sets of parts, operation, and maintenance manuals shall be provided with unit delivered. Electrical schematics specific to the units delivered.

### **3.3.8 TRAINING**

The awarded bidder will be required to provide training materials. An exact copy of the training presentation, in Microsoft PowerPoint, shall be provided to the MDT lead training instructor, at no additional cost, prior to the first training session, as a permanent record and for future usage by MDT.

### **3.3.9 WARRANTY**

The awarded Bidder shall supply, subsequent to award, and be responsible for the equipment warranty. The equipment shall have a warranty free of deductibles with no less than the following industry defined coverage:

- Twelve months (12)

### **3.3.10 EMERGENCY/REPAIR SERVICES**

The awarded Bidder shall provide non-scheduled or emergency/repair service during regular working hours (Monday through Friday 8:00 a.m. to 5:00 p.m. For these emergency/repair services, the awarded Bidder shall commence the service within eight (8) hours of notification by the County. These services shall be billed at rates as approved by the County after the spot market quotation procedures.

**SECTION 4 –BID SUBMITTAL****Bidder's Name:** \_\_\_\_\_

Bidders are required to provide three (3) business reference letters to state similar products have been provided within the past three (3) years. The signed reference letter on customer's company letterhead must include:

- Customer's Company Name and Address
- Contact Name, Title and Email
- Contact Telephone Number

\_\_\_\_\_  
Initial  
Attached

