

DEPARTMENTAL INPUT

CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New Contract
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. 8705-0/17
 Re-Bid
 Other
 LIVING WAGE APPLIES: YES
 Requisition No./Project No.: RQID1600089
 TERM OF CONTRACT 5 YEAR(S) WITH NA YEAR(S) OTR

Requisition /Project Title: Vehicle wash detergent and Wash Facilities, Repairs, and Maintenance Services

Description: To establish a contract for the purchase of vehicle wash detergents and wash facilities, repairs, and weekly and monthly preventive maintenance services.

Issuing Department: ISD/PMS
 Contact Person: Herman Ramsey
 Phone: (305) 375-2851
 Estimate Cost: \$479,000
 GENERAL
 FEDERAL
 OTHER

Funding Source: Proprietary Funds \$169,000 and MDT Operating Funds \$310,000

ANALYSIS

Commodity Codes: 928-93, 075-19, 075-49, 485-36, 505-30, 934-64, 961-37, 929, 936, 928, 934			
Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history.			
	<u>EXISTING</u>	<u>2ND YEAR</u>	<u>3RD YEAR</u>
Contractor:			
Small Business Enterprise:	None		
Contract Value:	\$	\$	\$
Comments:			
Continued on another page (s): <input type="checkbox"/> YES <input checked="" type="checkbox"/> X			

RECOMMENDATIONS

	Set-aside	Sub-contractor goal	Bid preference	Selection factor
SBE				
Basis of recommendation:				
Signed: <i>Herman Ramsey</i>			Date sent to DBD: 09/23/16	
			Date returned to DPM: _____	

SECTION 2 - SPECIAL TERMS AND CONDITIONS

2.1 PURPOSE

The purpose of this solicitation is to establish a contract for the purchase of weekly and monthly preventive maintenance, parts, repairs, and detergents for vehicle wash and water reclamation systems for various County's departments.

2.2 PRE-BID CONFERENCE and EXAMINATION OF SITE (RECOMMENDED):

A pre-bid conference and site visit will be held on (date) at Miami International Airport, 4331 NW 22nd Street, Building #3030 Lobby, Miami, FL discuss the special conditions and specifications included within this solicitation. It is recommended that a representative of the firm attend this conference and site visit as the "cone of silence" will be lifted during the course of the conference/site visit and informal communication can take place. Vendors can become familiar with any conditions which may in any manner affect the work to be done or affect the equipment, materials and labor required. No additional allowances will be made because of lack of knowledge of these conditions.

Vendors are requested to bring this solicitation document and printed general terms and conditions to the conference and site visit, as additional copies may not be available.

2.3 TERM OF CONTRACT

The contract shall commence upon approval by the Board of County Commissioners, or designee, unless otherwise stipulated in the Notice of Award Letter which is distributed by the County's Internal Services Department, Procurement Management Services Division, and contingent upon the completion and submittal of all required bid documents. The contract shall remain in effect for five (5) years, and shall expire on the last day of the five (5) year period.

2.4 METHOD OF AWARD:

2.4.1 Group 1

Award will be made to the single lowest priced responsive and responsible bidder on an item-by-item basis. If the awarded Bidder defaults, the County shall have the right to negotiate with the next responsive and responsible Bidder.

2.4.2 Groups 2 through 5

Award will be made to the single lowest priced responsive and responsible bidder on a group-by-group basis. To be considered for award for a given group, the bidder shall offer prices for all items within the given group. The County will then select the bidder for award for each group by totaling either the unit prices for all of the items within each group, or if so structured, by totaling the extended pricing for each item within each group. If a bidder fails to submit an offer for all items within the group, its offer for that specific group may be deemed non-responsive. If the awarded Bidder defaults, the County shall have the right to negotiate with the next responsive and responsible Bidder.

2.5 QUALIFICATIONS (GROUPS 1 THROUGH 5):

2.5.1 Bidder shall be the products, parts, and services manufacturer, authorized distributor or re-seller.

a. If the Bidders are the products, parts, and services manufacturer it must be indicated on letterhead.

b. If the Bidders are the authorized distributors.

- Provide a current year letter (within the 12 months from submission) from the product manufacturer, stating that the bidder is an authorized distributor of products, parts, and services provider. This letter must be signed and presented on the manufacturer's letterhead with the contact person name and phone number.

c. If the Bidders are the authorized Re-sellers.

- Provide a current letter (within the 12 months from submission) from the product manufacturer indicating approved distributor of products, parts, and services provider. This letter must be signed and presented on the manufacturer's letterhead with the contact person name and phone number.

and

- Provide a current letter (within the 12 months from submission) from the authorized distributor, stating that bidder is an authorized re-seller of products, parts, and services provider. This letter must be signed and presented on the distributor's letterhead with the contact person name and phone number.

2.5.2 Bidder shall provide a Safety Data Sheet (SDS) supplied by the detergent manufacturer. The SDS shall clearly reflect the pH levels for its intended use as describe in Section 3.2.3 A (GROUP 1).

2.5.3 Bidder shall be regularly engaged in the business of providing detergents for the vehicle wash facilities. References must be listed in the bidder's price schedule form (see Section 4). The references listed must be recent or current customers for whom you have provided the detergents described in this solicitation. No more than one of these references may be from a department or division of Miami-Dade County. The references must include the customer's company name, and the name, title, address, e-mail address, and telephone number of the contact person who can verify the bidder has successfully provided the detergents that the bidder is offering under this solicitation. These references shall ascertain to the County's satisfaction that the bidder has sufficient experience and expertise in detergents. The County at its sole discretion may request additional information in order to assess bidder responsibility.

2.5.4 The detergents must be clearly identified on the offer submittal page as to the product manufacturer, brand name, product number, pH level, formula, and solution as requested, in order to be eligible for award. Use of terms such as "As Spec" or left blank is unacceptable. Failure to provide this information with the offer may result in the bidder offer being deemed non-responsive (GROUP 1).

2.5.5 The parts and services must be clearly identified on the offer submittal page as to the product manufacturer and percentage discount as requested, in order to be eligible for award. Use of terms such as "As Spec" or left blank is unacceptable.

Failure to provide this information with the offer may result in the bidder offer being deemed non-responsive (GROUPS 2 THROUGH 5).

2.6 PRICES

2.6.1 The initial contract prices resultant from this solicitation shall prevail for no less than a twelve (12) month period from the contract's initial effective date. A price adjustment may be upward or downward based on the following indexes:

- a. Group 1: the Producer Price Index (PPI) for series ID: PCU3256113256111 Item: Industry: soap and other detergent manufacturing Product: soaps and detergents, commercial, industrial, and institutional.
- b. Groups 2 through 5: the Consumer Price Index (CPI), Wage Earners and Clerical Workers in the Greater Miami, Fort Lauderdale Area, All Items; except for the percentage discount. It will remain the same throughout the contract and option-to-renew periods.

2.6.2 It is the awarded bidder's responsibility to request any pricing adjustment under this provision. For any adjustment to be considered, the bidder(s) request shall be submitted no less than 90 calendar days prior to expiration of the then current 12 month period. The bidder(s) request shall not be in the excess of the relevant documented price index.

2.6.3 Any adjustment received after 90 calendar days from the expiration of the then current 12 month period may not be considered. The County reserves the right to negotiate lower pricing based on the market research information or other factors that influence price. The County reserves the right to apply any reduction in pricing for the additional 12 month period based on the downward movement of the relevant index documentation.

2.6.4 It shall be further understood that the County reserves the right to reject any price adjustments submitted by the awarded bidder and/or to terminate the contract with the awarded bidders based on such price adjustments.

2.6.5 The awarded bidder's price quoted shall be inclusive of all costs, charges, and fees involved in providing the specified products and/or services. Additional charges of any kind added to the invoice submitted by the awarded bidder will be disallowed.

2.7 COMPLIANCE / REGULATIONS

2.7.1 Federal Standards

All services / 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.

2.7.2 Pollution Control

It is the intent of these specifications to comply with the Miami-Dade County Pollution Control Ordinance as stated in Chapter 24 of the Miami-Dade Code. This ordinance is made a part of these specifications by reference and may be obtained, if necessary, by the vendor

through the Regulatory and Economic Resources (RER), 701 NW 1st Court, Suite 400, Miami, Florida 33136, Telephone (305) 372-6789.

2.7.3 Accident Prevention and Barricades

Precautions shall be exercised at all times for the protection of persons and property. All bidders performing services under this contract shall conform to all relevant OSHA, State and County regulations during the course of such effort. Any fines levied by the above mentioned authorities for failure to comply with these requirements shall be borne solely by the responsible bidder. Barricades shall be provided by the bidder when work is performed in areas traversed by persons, or when deemed necessary by the County Project Manager.

2.8 "EQUAL" PRODUCTS CAN BE CONSIDERED UPON RECEIPT OF SPECIFIED DATA GROUP 1

2.8.1 Unless otherwise indicated, the manufacturer's name, brand name and/or product number information contained in this solicitation are being used for the sole purpose of establishing the minimum requirement of level of quality, standard of performance, and design and is in no way intended to prohibit the offer of another manufacturer's items of equal material unless otherwise indicated on the Price Schedule Form.

2.8.2 This specific solicitation requires submission of the following documentation to enable County evaluation of "equal" products:

 x: Product Information Sheets

2.8.3 Any "equal" product proposed to the County shall be equal in quality and standards of performance to the item specified in the solicitation. Where an "equal" item is offered, and product information sheets are required, the initial offer must be accompanied with two (2) complete sets of product information sheets (such as factory specifications, standard manufacturer information sheets, catalogues, and brochures). All supporting documentation submitted by the bidder must in total meet the required specifications set forth in this solicitation. Where the standard product literature submitted with the offer provides information that does not comply with the specifications, the bidder shall state, in an official letter on corporate letterhead as part of their initial offer, the differences between the item they are specifically offering, and the detergents described by the standard product literature, to substantiate compliance to all of the specifications set forth in this solicitation. In such cases, any offer submitted with standard product literature but without the letter explaining compliance may result in the offer deemed non-responsive.

2.8.4 The County may require a sample of the "equal" items for evaluation, such items are to be provide at no cost to the County, and should be submitted to the County at the time specific request. Failure to meet this requirement may result in your offer being deemed non-responsive.

2.8.5 All bidders are required to submit with their bid sufficient technical data to verify that its products are equal to the products listed in this solicitation; however, Miami-Dade County may, at its sole discretion, allow the bidder to complete or supplement the information sheets during the bid evaluation period. Failure to provide sufficient information to allow the County to evaluate the bidder's products, as specified by the County, may result in the bidder's offer being deemed non-responsive. The County

shall be sole judge of the bidder's conformance with the specifications and requirements and its decision shall be final.

2.9 DELIVERY (GROUPS 1 THROUGH 5)

2.9.1 The awarded Bidders shall make parts and detergents deliveries within fourteen (14) calendar days after the date of the order. All deliveries shall be made in accordance with good commercial practice and all required delivery timeframes shall be adhered to by the awarded bidder. In cases where the delivery and availability will be delayed, the awarded bidder shall notify the County, and if the County department approves, a revised delivery schedule may be established.

2.9.2 Should the awarded bidder to whom the contract is awarded fail to deliver in the number of days stated above, may result in the awarded bidder being deemed in breach of contract. The County may terminate the contract for default and charge the vendor re-procurement costs, if applicable

2.9.3 Back Order

The County shall not allow any late deliveries attributed to product back order situations under this solicitation. Accordingly, the awarded Bidder is required to deliver all items to the County within the time specified in this solicitation and resultant contract; and no grace period on account of back order situations shall be honored, unless written authorization is issued by the user department, and a new delivery date is mutually established. In the event that the awarded Bidder fails to deliver the products within the time specified, the County reserves the right to cancel the order, seek the items from an alternative source, and charge the awarded Bidder for any re-procurement costs.

2.9.4 Shipping Terms (GROUP 1)

All bidders shall quote prices based on F.O.B. Destination and shall hold title to the goods until such time as they are delivered to, and accepted by, an authorized County representative at the ordering department. The awarded bidder shall be responsible for filling, processing, and collecting all damage claims against the shipper.

2.9.5 INVOICES (GROUPS 2 through 5)

The standard invoices requirements listed in the General Terms and Conditions Paragraph 1.35 shall apply with the additional section specifically identified:

- VI. Materials:
Successful Bidders must submit invoices for their actual materials cost costs and attach it to each purchase order.

2.10 ADDITION/DELETION OF VEHICLE WASH AND WATER RECLAMATION SYSTEMS

It is hereby and agreed and understood that vehicle wash and water reclamation systems may be added or deleted within a group at the discretion of the County. If price for a new system is required for additional to existing group, the awarded bidder of the group will be invited to submit price quotes. Should a different system be quoted that listed on the request for price quotation, the awarded bidder shall provide the documentation as listed in Section

2.5 of this solicitation or any supporting documentation as required by the County.

2.11 DEFICIENCIES IN WORK (GROUPS 2 THROUGH 5)

2.11.1 The awarded bidder shall promptly correct all apparent or latent deficiencies and/or defects in work, and/or any work that fails to conform to the contract documents regardless of project completion status. All corrections shall be made within ten (10) calendar days after such rejected defects, deficiencies, and/or non-conformances are verbally reported to the awarded bidder by the County project administrator, who may confirm all such verbal reports in writing.

2.11.2 The awarded bidder shall bear all costs of correcting such rejected work. If the awarded bidder fails to correct the work within the period specified in the notice, the County shall place the awarded bidder in contractual default, obtain the services of another bidder to correct the deficiencies, and charge the awarded bidder for these costs; either through a deduction from the final payment owed to the awarded bidder or through invoicing. If the awarded bidder fails to honor this voice or credit memo, the County may terminate the contract for default.

2.12 MIAMI-DADE AVIATION DEPARTMENT TO A CERTAIN CLAUSE (GROUP 5)

The contract to be awarded under this solicitation will be accessed by the Miami-Dade Aviation Department. The following clause within this solicitation does not apply to that Department's allocation: Section 1 Paragraph 1.36 (County User Access Program – (UAP).

2.13 HOURLY RATES (GROUPS 2 THROUGH 5)

2.13.1 Hourly Rate for Repairs

The hourly rate quoted shall be deemed to provide full compensation to the awarded bidder for labor, material, equipment (provided by awarded bidder), travel time, and any other element of cost or price.

2.13.2 Hourly Rate for Emergency Services (Section 3, Paragraph 3.7)

The hourly rate quoted shall be deemed to provide full compensation to the awarded bidder for labor, material, equipment (provided by awarded bidder), travel time, and any other element of cost or price.

2.14 PURCHASE OF OTHER ITEMS AND/OR SERVICES

2.14.1 Group 1

While the County has listed all major detergents within the scope of this solicitation which are utilized by County departments in conjunction with its operations, there may be additional similar detergents that must be added to the contract after award. Under these circumstances, a County representative will solicit the awarded bidders and obtain a price quote for the similar detergents. Should a different detergent be quoted than listed on the request for price quotation, the awarded bidder shall provide the documentation as listed in Section 2.5 of this solicitation or any supporting documentation as required by the County.

2.14.2 Groups 2 through 5

While the County has listed all major services within the scope of this solicitation which are utilized by County departments in conjunction with its operations, there may be additional similar services that must be added to the contract after award. Under these circumstances, a County representative will solicit the awarded bidders and obtain a price quote for the similar services. Should a different services be quoted than listed on the request for price quotation, the awarded bidder shall provide the documentation as listed in Section 2.5 of this solicitation or any supporting documentation as required by the County.

2.15 INSURANCE REQUIREMENTS IN SECTION 1.22 OF THE TERMS AND CONDITIONS IS NOT ACCPLICABLE FOR GROUP 1 ONLY.

2.16 INSURANCE REQUIREMENTS IN SECTION 1.22 OF THE TERMS AND CONDITIONS APPLIES TO GROUP 2 THROUGH 5.

2.17 MIAMI-DADE COUNTY LIVING WAGES (GROUPS 2 THROUGH 5)

If the total contract value, per year, exceeds \$100,000 the provisions of Section 2-8.9 (Living Wages) of the Code of Miami-Dade County (Code) as amended by Ordinance [Governing Legislation], will apply. A copy of this Code Section may be obtained online at www.miamidade.gov. A copy of the Administrative Order may be obtained online at <http://www.miamidade.gov/aopdfdoc/aopdf/pdffiles/AO3-30.pdf>. Living Wage Rates, Notices, and Posters may be obtained online at <http://www.miamidade.gov/smallbusiness/living-wage-reports.asp>.

SECTION 3 – TECHNICAL SPECIFICATIONS

3.1 SCOPE OF WORK

3.1.1 The purpose of this solicitation is to purchase weekly and monthly preventive maintenance, parts, repairs, and detergents for vehicle wash and water reclamation systems for various County’s department. Parts purchased under this bid solicitation shall be the Original Equipment Manufacturer (OEM). The awarded bidder shall furnish all labor, equipment, materials, transportation, and supervision. The vehicle wash detergents purchased shall be suitable and adaptable to the existing dispensing mechanism. The services are organized into the following five groups by departments:

3.1.2 MIAMI-DADE SOLID WASTE MANAGEMENT DEPARTMENT (SWM) – divided into three groups.

Group 1: Detergents application at certain pH level from various manufacturers

Group 2: Weekly Preventive Maintenance, OEM Parts, and other services for vehicle water reclamation systems.

Group 3: Monthly Preventive Maintenance, OEM Parts, and other services for vehicle wash systems to include air compressor and water softener. The Truck Wash System manufactured by Ryko Manufacturing Company; and a water recycling system manufactured by Waste Water Management, Inc.

3.1.3 MIAMI-DADE TRANSPORTATION AND PUBLIC WORKS DEPARTMENT (TPW)

Group 4: Monthly Preventive Maintenance, OEM Parts, and other services for vehicle, bus, train/metro mover, wash systems

3.1.4 MIAMI-DADE AVIATION DEPARTMENT (AVD)

Group 5: Monthly Preventive Maintenance, OEM Parts, and other services for NS Corporation drive-through vehicle, bus and truck, wash systems

3.2 SERVICES FOR GROUP 1:

3.2.1 This group is for the purchase and delivery of detergents for the Atlantis Vehicle Wash Facilities. The County staff will be responsible for dispensing delivered detergents. The brand names and product numbers are listed below table or an equal product, see Section 2, Paragraph 2.10:

Detergent No.	Brand Name	Description	Product Number
Detergent 1	King-Pin Powder	Premium Heavy Duty Large Vehicle and Equipment Cleaner (Moderate foaming caustic powder)	Product # M81
Detergent 2	Z-Maxx Shampoo	Concentrated Carwash Shampoo with Foamaxx Technology.	Product # M932
Detergent 3	Zep Low pH Vehicle Presoak (XT-2496)	High Foaming economical low pH presoak. Can be used in cloth and touch-free wash or can be used in a single step or two-step cleaning process.	Product # 8983
Detergent 4	Zep Formula 75	Rinse Agent	Product # 0587

3.2.2 Detergent Specifications

- A. The vehicle wash facilities are built and structured for the two-step system as defined below in paragraph 3.2.3. The detergents specified in paragraph 3.2.1 consist of a two-step detergent application and a drying agent that will deliver powerful automatic cleaning performance to the vehicles. The detergents shall automatically mix, using the current mechanism of the washing facilities to specially formulated detergents on-site using water provided by the department.
- B. As per Miami-Dade Regulatory and Economic Resources (RER), the formulated detergent must not contain any solvent or degreaser. The active ingredients shall be delivered without the need for filters or binders. The detergent (the mixed compound) shall not consist if any harsh chemical ingredients for cleaning; only large quantities of the best proven cleaners shall be applied to vehicles allowing the detergent to clean gently and effectively. All detergents, including the drying agent, shall be adaptable to the existing vehicle wash systems without any mechanical changes or alterations.

3.2.3 Current Washing Procedure

- A. The wash facilities operate on a two-step detergent system, consisting of three (3) detergent types and a drying agent. Detergent No.1 is a powder high pH (the pH will be between 12.2 – 12.6 in a solution of 1:100) alkaline chemical. It is mixed with water and is contained in detergent drum number one. Detergent No. 2 is a surfactant and is contained in the second detergent drum. Detergent No. 3 is a low pH compound (the pH will be between 1.0 – 2.0 concentrate) and is contained in the third detergent drum. The Detergent No. 3 produces abundant foam in air injected systems. Low pH formula makes the vehicles look shinier and brighter, reduces residual alkalinity to enhance the performance of drying agents, sealers, and clear coat protectants; does not contain Hydroflouric Acid (HF) or Ammonium Biflouride.
- B. During the step 1 operation, detergents number 1 and 2 are pumped and mixed as they come out of their respective containers and are sprayed over the truck to be washed. In step 2, detergent number 3 is pumped and sprayed over the first two detergents mix. The vehicle is washed with recycle water and sprayed under high pressure (touch less). After the detergents are washed off, a drying agent is sprayed as a final step and the truck wash completes its wash cycle.

- C. This system does not have a drying cycle. The drying agent is to expedite the natural drying process. It is estimated that eighteen (18%) percent of detergents are mixed with eighty-two (82%) percent of water. Most of water used in washing the vehicles is recycled through the Water Reclamation System previously defined in paragraph 3.3. Fresh water is used only to replenish the water loss due to evaporation and/or overflow.

3.3 SERVICES FOR GROUP 2

3.3.1 This group is for providing weekly preventive maintenance services to the water reclamation systems. The water reclamation systems shall be physically cleaned and washed inside of all reclaim tanks, including all materials, pressure washer and detergents.

3.3.2 The weekly preventive maintenance service shall include, but, not limited to:

- 1) Visually inspecting and/or operating the following equipment:
 - a) Ozone equipment
 - b) Ozone pumps
 - c) Submersible pumps
 - d) Pumps inside each reclaim tank
 - e) Fresh water intake system
- 2) Ensure all control panels are operating
- 3) Clean and replace filters
- 4) Verify proper tank sediment evacuation pump operation
- 5) Check level of sediment in tanks
- 6) Depth of sediment in tank #1 and #2 must remain below 18 inches
- 7) Visually inspect all system components
- 8) Check sump pit dual sump pump operation
- 9) Check and clean ozone in-liner filter
- 10) Check and adjust the pH of water in the tanks (pH must remain between 6.5" to 8.0")
- 11) Check float switch levels and adjust as necessary
- 12) Check and clean all other water recycling system filters

3.3.3 Purchase of Parts

Original equipment manufactured parts (OEM) shall be priced in accordance with the OEM catalog prices less a percentage discount offered by the awarded bidder.

3.3.4 The following is a parts list that may be purchased for the water reclamation system:

- 1) Miscellaneous – gaskets, seals and/or fittings
- 2) Miscellaneous – straps, clamps, screws, glue, contact cement, etc.
- 3) PVC Pipe fitting Couplings
- 4) Elbows, 90's, Plugs, Caps, PVC (Polyvinyl Chloride) Valves, etc.
- 5) PVC Pipe, SCH (Schedule) 80
- 6) Batteries (One 1.5 volt alkaline batteries are used for supporting the Uninterrupted Power Supply (UPS))
- 7) Seal / gasket kit

- 8) Tank Bulkhead Fittings
- 9) Butterfly Valve
- 10) Corona Discharge Generator 8
- 11) Ozone Injector Assembly By-Pass
- 12) 2" Brass Ball Valve
- 13) Flow Switch
- 14) Backflow Preventer Assembly
- 15) Oxygen Concentrator
- 16) HP (Horse Power) Goulds Pump
- 17) 2" Inline "Y" Strainer Filter
- 18) Reaction Chamber, Corona Discharge
- 19) Ozone transformer 110v (volt)
- 20) 1-1/2" Mazzie Injector
- 21) Impeller
- 22) 3" Brass check Valve
- 23) Transformer 240va (volt amps) – Hv (high voltage) 10kv (Kilo Volt)
- 24) Exhaust Fan
- 25) Relay time delay
- 26) Contractor/overload Assembly 1 HP
- 27) 10 A Circuit Breakers
- 28) 30 A Circuit Breakers
- 29) Delay Relay
- 30) Resistor
- 31) Switch Assembly Combo Unit
- 32) 24v Panel Bulbs Panel Indicator
- 33) Disconnect Switch
- 34) 24v Transformer
- 35) 120v Transformer
- 36) Pump Float Switch Normally Open
- 37) Switch 2 position mount
- 38) Switch 2 position maintenance
- 39) Switch 3 position
- 40) Float switch extra Heavy Duty
- 41) Timer 6-station
- 42) Relay 24v
- 43) Multi-Functional timer
- 44) Contractor / Overload Assembly 10hp
- 45) Signal Horn
- 46) Miscellaneous Wiring
- 47) Pump seal kit
- 48) 5hp lift station pump
- 49) Ebara 1/2 HP sump pump
- 50) Stainless Steel Dual Basket Filter System (part no. M/N BBHP-2 stainless steel cabinet), complete with bypass manifold and stainless steel inner basket

3.3.5 Repair Services

A list of recommended repairs, cost estimate, and expected date and time of completion shall be submitted for approval by the County. Upon receipt of approval of the proposal by the County, repairs shall be completed within forty-eight (48) hours or the timeframe agreed by both parties.

3.4 **SERVICES FOR GROUP 3**

3.4.1 This group is for providing monthly preventive maintenance services to the vehicle wash system to include the air compressor and water softener connected to the system. The Atlantis equipment shall be maintained according to the manufacturer's (Ryko's) 19 Point Inspection List listed below:

- 1) Tighten all cover screws
- 2) Check wheels and track for extreme or improper wear
- 3) Check all bolt for tightness
- 4) Check rubber bumpers and stops for tightness. Tighten if required.
- 5) Check all gantry mounted air, water and power lines for abrasions, cracks or over tight ties.
- 6) Check gantry mounted nozzles for proper alignment and function.
- 7) Check airlines, regulators and solenoids for leaks. Check air cylinder for proper operation.
- 8) Check additive system filters.
- 9) Check for loose or burned wires in Control Panel.
- 10) Run the machine through several cycles and check general operation.
- 11) Lubricate gantry wheel bearings and carriage chains.
- 12) Lubricate all pneumatic air cylinder swivel joints and replace worn pins if necessary.
- 13) Insure all lights are functional in Stop & Go Instructional sign.
- 14) Check the remote activation devise for correct operation.
- 15) Check the pressure on all regulators.
- 16) Verify settings on detergent and rinse dispensing pumps.
- 17) Check detergent tank levels to establish re-order intervals.
- 18) Check all supply lines for air, water and/or chemical leaks.
- 19) Submit monthly inspection reports and identify all items requiring immediate action.

3.4.2 The monthly preventive maintenance service for the Air Compressor and Water Softener will include the following:

- 1) Change the oil and filter of the air compressor.
- 2) Add the require quantity of water soften evaporated salt to the water softener. County site manager or designee may request additional bags of salt as-needed.
- 3) Unclog all nozzles.

3.4.3 Purchase of Parts

Original equipment manufactured parts (OEM) shall be priced in accordance with the OEM catalog prices less a percentage discount offered by the awarded bidder. Part purchase may include but not limited to the following:

- 1) Pump stands
- 2) Reclaim suction line kit
- 3) Control box
- 4) Program module
- 5) Chemical pumps
- 6) Chemical control console
- 7) Wash bay terminal box
- 8) Track pipe

- 9) Taglines
- 10) Guide rails
- 11) Filters
- 12) Valves, and all other valves within the system (truck wash equipment, compressors and water softener system).

3.4.4 Repair Services

A list of recommended repairs, cost estimate, and expected date and time of completion shall be submitted for approval by the County. Upon receipt of approval of the proposal by the County, repairs shall be completed within forty-eight (48) hours or the timeframe agreed by both parties.

3.5 SERVICES FOR GROUP 4

3.5.1 The monthly preventive maintenance service for the Bus wash shall include, but not limited to the following:

A. Chemical Holding Tank

- 1. Inspect chemical tank for leaks
- 2. Inspect tank feed lines for leaks, clogged heads or binds
- 3. Note soap level

B. Water Holding Tanks

- 1. Inspect tanks, bulkhead fittings and connections for leaks
- 2. Inspect all float switches

C. Primary Water Holding Tank

- 1. Inspect R/O supply line.

D. Reclaim System

- 1. Inspect suction and discharge lines to pumps for leaks and cracks
- 2. Inspect and make sure cyclonic separator is not clogged
- 3. Manually start pumps and test for proper operation
- 4. Lubricate pump bearings as necessary

E. Water Heater

- 1. Inspect all piping and connections for leaks
- 2. Check temperature setting is less than 110 degree
- 3. Inspect by-pass valves make sure they are positioned correctly

F. Water Softener and Carbon Filter

- 1. Inspect all connections for leaks or damage
- 2. Note salt level. Add when necessary.
- 3. Inspect softener heads for leaks

G. Reclaim Pumps

1. Check for leaks in piping, and inspect pumps and motors for cracks or damage
2. Inspect pump seals for condition and leaks
3. Listen for bearing noise, if any, and indicate worn bearing
4. Lubricate as necessary
5. Inspect shaft alignment on motor and pump.

H. Chemical Pumps

1. Inspect pumps for cracks and noticeable damage
2. Inspect settings 40 1 for the side and 30 to 1 for the rear sprays
3. Inspect pump seals for condition and leaks

I. Booster Pumps

1. Check for leaks in piping, inspect pumps and motors for cracks or damage
2. Inspect pump seals for condition and leaks
3. Listen for bearing noise, if any, indicate worn bearing
4. Lubricate as necessary
5. Inspect shaft alignment on motor and pump

J. High Pressure Pumps

1. Check for leaks in piping, inspect pumps and motors for cracks or damage
2. Inspect pump seals for condition and leaks
3. Listen for bearing noise, if any, indicate worn bearing
4. Lubricate as necessary
5. Manually start pump/motor and check overall operation

K. Air Compressor

1. Inspect for proper operation and overall condition
2. Check oil level
3. Inspect tension and condition of belt
4. Inspect all air lines for leaks
5. Check condensation, manually activate auto drain, and check for proper operation

L. Chemical Rinse Line

1. Inspect entire assembly for leaks, cracks or damage
2. Purge chemical filters
3. Check for proper water pressure 40 – 60 PSI
4. Make sure all valves are in correct position
5. Inspect all solenoid valves for leaks and proper operation
6. Check soap lines, prime if necessary

M. Reverse Osmosis (R/O) System

1. Inspect intake and discharge lines to pumps for leaks or cracks
2. Manually start system and test for operations, check for leaks
3. Lubricate pumps as necessary
4. Adjust RO System as necessary (refer to O & M Manual)(Operation & Maintenance)
5. Change filters as necessary

N. Pits

1. Visually inspect grating for damage
2. Inspect float switches in pit for proper location and operation
3. Measure sediment levels

O. Chemical Arch

1. Inspect all pipe work for leaks and damage
2. Inspect all mounting hardware for tightness and damage
3. Inspect all nozzle assemblies for proper spray, leaks and damage
4. Manually run arches and check for proper operation

P. High Pressure System

1. Inspect all nozzles for wear and performance
2. Inspect all piping for leaks, cracks or damage
3. Inspect all mounting hardware for tightness and/or damage
4. Manually run arches and check for proper operation
5. Inspect all coax valves for leaks

Q. Rinse Arch

1. Inspect all pipe work for leaks and damage
2. Inspect all mounting hardware for tightness and damage
3. Inspect all nozzle assemblies for proper spray, leaks and damage
4. Manually run arches and check for proper operation

R. RO Rinse Arch

1. Inspect all pipe work for leaks and damage
2. Inspect all mounting hardware for tightness and damage
3. Inspect all nozzle assemblies for proper spray, leaks and damage
4. Manually run arches and check for proper operation

S. Photo Eyes

1. Inspect all mounting hardware for tightness and damage
2. Check for proper alignment of each unit
3. Clean lenses

T. Brush Module

1. Inspect brushes for broken or missing parts
2. Inspect all mounting hardware for tightness and or damage
3. Inspect nozzle assemblies and all pipe work for leaks and damage
4. Lubricate bearings, two per brush
5. Check all brush motor-gearbox for shaft alignment
6. Check oil levels on all gearboxes
7. Manually run brushes and check for proper operation
8. Drain flush clean and refill all speed reducer gearbox SAE 140 oil (not to be over-filled)

U. Tire Guides

1. Inspect all mounting hardware for tightness and or damage
2. Check all guide joints for wear and or damage

V. Skid Plates

1. Inspect all mounting hardware for tightness and or damage

W. Screw Pumps

1. Check for leaks in piping, inspect pumps and motors for cracks or damage
2. Manually start pump/motor and check overall operation
3. Inspect by-pass valves make sure they are positioned correctly
4. Inspect all mounting hardware for tightness and or damage

X. Miscellaneous

1. Master Control Panels: Inspect to ensure proper door seal. Check panel for noticeable damage
2. Overhead Lights: Check all overhead lights for proper illumination
3. Enter/Exit Lights: Check all lights for proper illumination
4. Check all roll up doors and windows for proper operation, lubricate as necessary
5. Check all standard doors for proper operation
6. Clean all pits and trench drains

3.5.2 The monthly preventive maintenance service for the Train/Mover wash shall include, but, not limited to the following:

A. Chemical Holding Tank

1. Inspect chemical tank for leaks
2. Inspect tank feed lines for leaks, clogged head or binds
3. Note soap level

B. Water Holding Tanks

1. Inspect tanks, bulkhead fitting and connections for leaks
2. Inspect all float switches

- C. Water Heater
 - 1. Inspect all piping and connections for leaks
 - 2. Check temperature setting is less than 110 degrees
 - 3. Inspect by-pass valves make sure they are positioned correctly
- D. Water Softener and Carbon Filter
 - 1. Inspect all connections for leaks or damage
 - 2. Note salt level. Add when necessary.
 - 3. Inspect softener heads for leaks
- E. Chemical Pumps
 - 1. Inspect pumps for cracks and noticeable damage
 - 2. Inspect setting 40 to 1 for the side and 30 to 1 for the rear sprays
 - 3. Inspect pump seals for condition and leaks
- F. Chemical Rinse Line
 - 1. Inspect entire assembly for leaks, cracks or damage
 - 2. Purge chemical filters
 - 3. Check for proper water pressure 40 – 60 PSI
 - 4. Make sure all valves are in correct position
 - 5. Inspect all solenoid valves for leaks and proper operation
 - 6. Check soap lines, prime if necessary
- G. Reverse Osmosis (R/O) System
 - 1. Inspect intake and discharge lines to pumps for leaks or cracks
 - 2. Manually start system and test for operations, check for leaks
 - 3. Lubricate pumps as necessary
 - 4. Adjust RO System as necessary (refer to O & M Manual)(Operation & Maintenance)
 - 5. Change filters as necessary
- H. Chemical Arch
 - 1. Inspect all pipe work for leaks and damage
 - 2. Inspect all mounting hardware for tightness and damage
 - 3. Inspect all nozzle assemblies for proper spray, leaks and damage
 - 4. Manually run arches and check for proper operation
- I. Rinse Arch
 - 1. Inspect all pipe work for leaks and damage
 - 2. Inspect all mounting hardware for tightness and damage
 - 3. Inspect all nozzle assemblies for proper spray, leaks and damage
 - 4. Manually run arches and check for proper operation

J. R/O Rinse Arch

1. Inspect all pipe work for leaks and damage
2. Inspect all mounting hardware for tightness and damage
3. Inspect all nozzle assemblies for proper spray, leaks and damage
4. Manually run arches and check for proper operation

K. Photo Eyes

1. Inspect all mounting hardware for tightness and damage
2. Check for proper alignment of each unit
3. Clean lenses

L. Brush Module

1. Inspect brushes for broken or missing parts
2. Inspect all mounting hardware for tightness and or damage
3. Inspect nozzle assemblies and all pipe work for leaks and damage
4. Lubricate bearings, two per brush
5. Check all brush motor-gearbox for shaft alignment
6. Check oil levels on all gearboxes
7. Manually run brushes and check for proper operation
8. Drain flush clean and refill all speed reducer gearbox SAE 140 oil (not to be over-filled)

M. Miscellaneous

1. Check door latches at control panel for tightness.
2. Drain filter bowl on filter regulators.
3. Check lubricator oil level.
4. Inspect and clean air solenoid valve.
5. Grease and inspect gantry (if applicable)
6. Check air relief valve adjustment, (if applicable).
7. Test and inspect gantry operation, (if applicable)
8. Inspect and clean spray nozzles.
9. Test and inspect gantry pneumatics, chemical and water dispensing (if applicable).
10. Run train through to test washer operation.
11. Check brush drive gear reducer oil level, inspect seals for leaks.
12. Inspect brush drive gear reducer oil seals.
13. Grease brush drive bearings.
14. Grease and inspect air cylinder flange bearings.
15. Check grease pump grease level, (if applicable).
16. Check alignment and condition of Hip & dangle switches and rods.
17. Realign brush drive gear reducer shafts.
18. Inspect and clean brush drive gear reducer vent.
19. Inspect flex brush drive coupling for wear. Check wear on brushes, note if replacement is needed.
20. Wash filter regulator element
21. Inspect and clean drain siphon unit check valve.
22. Inspect and clean tubing connections.
23. Check soap feed pumps for priming and operation.
24. Check levels of soap and cleaner in tanks, refill if necessary.

25. Clean all pits and trench drains.

3.5.2 Parts and Repairs

- a) Parts ordered by Transportation and Public Works (TPW) or used by the awarded bidder for repairs shall be warranted as new. The awarded bidder shall guarantee these parts for a period of ninety (90) days and replace such parts, if failing, defective, etc., during this period at no additional cost to the County. Original equipment manufactured parts (OEM) shall be priced in accordance with the OEM catalog prices less a percentage discount offered by the awarded bidder.
- b) A list of recommended repairs, cost estimate, and expected date/time of completion shall be submitted for approval by the County. Upon receipt of approval of the proposal by the County, repairs shall be completed within the timeframe agreed by both parties.

3.6 SERVICES FOR GROUP 5

3.6.1 The monthly preventive maintenance for NS Corporation drive-through truck and bus wash systems shall be inclusive of adjustments, cleaning, and inspection. The awarded bidder shall:

- a) Perform preventive maintenance in accordance with the original equipment manufacturer's recommendations; secure the safety of the users of the equipment, and of employees in the surrounding areas.
- b) Document and advise the County's Site Manager and/or designated representative in writing after each monthly service with details of problems found.

3.6.2 Maintenance Service shall include the following:

- 1) Grease all bearings
- 2) Clean all filters
- 3) Clean pi screen
- 4) Remove trash from bays
- 5) Clean sub-pump screen
- 6) Hose bays
- 7) Check and adjust brush tension
- 8) Check bearings for wear
- 9) Re-adjust (tighten) all bolts on guide rails and machine parts
- 10) Check start hose and switch
- 11) Check couplings for wear
- 12) Check all seats on gear reducer motor
- 13) Check electric motors for broken wires and winding
- 14) Clean and inspect nozzles
- 15) Check motor couplers
- 16) Replace gear oil every six (6) months (awarded bidder to provide oil)
- 17) Grease and inspect arms and service air compressor
- 18) Clean and maintain vacuums

3.6.3 Parts and Repairs

- a) Original equipment manufactured parts (OEM), shall be priced in accordance with the awarded bidder's OEM catalog prices less a percentage to be included on the original bid proposal form.
- b) A list of recommended repairs, cost estimate, and expected date/time of completion shall be submitted for approval by the County. Upon receipt of approval of the proposal by the County, repairs shall be completed within the timeframe agreed by both parties.

3.7 EMERGENCY SERVICES FOR GROUPS 2 THROUGH 5

3.7.1 An emergency is an unexpected situation or sudden occurrence in which the existing system becomes inoperable. Such situation and occurrence may require immediate action and response by the awarded bidder. The awarded bidder shall provide 24 hours, seven (7) days a week emergency service to the County under the contract. Emergency service response time (defined as the time from notification by the County to arrival on-site) shall be within three (3) hours after notification by the County.

3.7.2 The County reserves the right to use an outside resource should the awarded bidder fail to respond and perform the emergency service in accordance with the terms and conditions of the contract. Failure of the awarded bidder to perform in accordance with the terms and conditions of the contract may result in breach of contract. The County may terminate the contract for default and charge the awarded bidder re-procurement costs, if applicable.

3.8 DEPARTMENTS VEHICLE WASH SYSTEM LOCATIONS AND BUSINESS HOURS OF OPERATIONS

3.8.1 The awarded bidder shall schedule all work required in advance to ensure a Site Manager or designated representative is present upon arrival and departure from County facilities. All work shall be done within the business hours as stipulated below. However, the County reserves the right to change these hours of operation as deemed necessary.

3.8.2 Solid Waste Management

- a) 18701 NE 6th Ave (3A Truck Wash)
- b) 8000 SW 107th Ave (3B Truck Wash)
- c) Monday, Tuesday, Thursday, Friday, between the hours of 7:00 am – 5:30pm

3.8.3 Transportation and Public Works

- a) 3295 NW 31st Street, Central O & I Garage

(1) Two lane Hybrid vehicle wash systems which includes a chemical side and rear application arches, high-pressure front spray, side brushes, roof miter, pre-rinse arch and Reverse Osmosis (R/O) rinse arch.

- b) 6601 NW 72nd Ave, Lehman Rail Facility
 - (1) Train Wash System
- c) 50 NE 15th Street, Metro Mover School Board Station

- (1) Gantry Wash System
- d) 2775 SW 74th Ave, Coral Way Bus Facility
 - (2) Transit Bus Wash Systems including: Prep Unit and Reclaim Systems
- e) 360 NE 185th Street, North East Garage

(1) Two lane Hybrid vehicle wash systems which includes a chemical side and rear application arches, high-pressure front spray, side brushes, roof miter, pre-rinse arch and R/O rinse arch.

- f) Monday through Friday, between the hours of 6:00am – 5:00pm

3.8.4 Miami-Dade Aviation

- a) 4331 NW 22nd Ave, Maintenance Building #3080

The vehicle wash system located at this address is a dual installation vehicle wash facility. One side provides vehicle wash for trucks and buses only, while the other side is set up to provide vehicle wash for cars and vans only.

- b) 66th Ave and 22nd Street, Waste Transfer Station Building #728

The vehicle wash system located at this address is a single installation vehicle wash facility for trucks and buses only.

- c) Monday through Friday, between the hours of 6:00am – 3:00pm

