

Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

Director Barbara Jo Crea
Deputy Director Gary Quinn
Commissioner Virginia E. Haines
Commissioner John P. Kelly
Commissioner Frank Sadeghi

101 Hooper Avenue
Toms River, New Jersey
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Board Meeting Agenda

Date: May 1, 2024 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

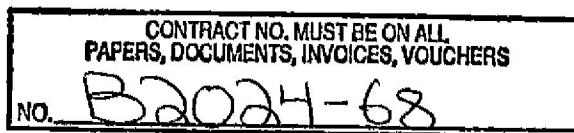
Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLE: THREE WHEELED STREET SWEEPER to Granturk Equipment Co., Inc., the sole qualified bidder. (B2024-68)

Official Resolution#		2024000609					
Meeting Date		05/01/2024					
Introduced Date		05/01/2024					
Adopted Date		05/01/2024					
Agenda Item		k-5					
CAF #							
Purchase Req. #		B2024-68					
Result		Adopted					
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Crea	<				<		
Quinn	<			<	<		
Haines	<		<		<		
Kelly	<				<		
Sadeghi	<				<		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board



RESOLUTION

May 1, 2024

WHEREAS, on March 26, 2024, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLE: THREE WHEELED STREET SWEEPER for the County of Ocean; and

WHEREAS, at the advertised time, one response was received from the following bidder:

<u>Name of Bidder</u>	<u>Address of Bidder</u>
Granturk Equipment Co., Inc.	One Schuylkill Parkway Bldg. B Bridgeport, PA 19405 (610) 239-9800

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the sole qualified bid, according to specifications, namely that of, GRANTURK EQUIPMENT CO., INC. be accepted.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract for the furnishing and delivery of Motor Vehicle: Three Wheeled Street Sweeper, for the County of Ocean, for the contract period from date of award through April 30, 2025, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15, as follows.

A. GRANTURK EQUIPMENT CO., INC. for six (6) items, to wit:

ITEMS NO. 1, 1a, 1b, 1c, 1d and 1e.

For a Total Lump Sum Award of Item #'s 1 - 1e of \$756,523.92.

2. Payments for the equipment to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for the equipment shall be available within the following funding Sources: Solid Waste Management O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2024-68.

BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Solid Waste Management, and Granturk Equipment Co., Inc., the successful bidder.

[GRANTURK EQUIPMENT CO.,INC.] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLE: THREE WHEELED STREET SWEEPER

OCEAN_COUNTY_ELGIN_5_YEAR_WARRANTY.jpgOcean_County_Lifeline_Warranty_0002.jpg

11. Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

Confirmed

12. Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Confirmed

PRICE TABLES

ITEM #1 - CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED OR EQUAL

Line Item	Description	Qty.	Max. Qty.	Unit of Measure	Unit Cost	Total	Comments
✓ 1	Current Model Year, or Newer, Elgin Pelican Three Wheel Single Engine Broom Street Sweeper, As Specified, or Equal	1	2	EA	\$304,011.96	\$608,023.92	
OPTIONS							
✓ 1a	Solid Waste Management Department Color Scheme, As Specified	1	2	EA	\$1,500.00	\$3,000.00	

[GRANTURK EQUIPMENT CO.,INC.] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLE: THREE WHEELED STREET SWEEPER

Line Item	Description	Qty.	Max. Qty.	Unit of Measure	Unit Cost	Total	Comments
✓ 1b	Diagnostic Tools/Test Equipment, As Specified	1	3	SET	\$2,500.00	\$7,500.00	
✓ 1c	Two-Way Radio Power and Wiring Requirements for New Vehicles (Wiring Only), As Specified	1	2	EA	\$750.00	\$1,500.00	
✓ 1d	Installation of County-Supplied Two-Way Radio and Accessories (Radio and Wiring), As Specified	1	2	EA	\$750.00	\$1,500.00	
✓ 1e	Technical Support, As Specified	1	180	HOUR	\$750.00	\$135,000.00	
TOTAL						\$756,523.92	

Introduced on: May 1, 2024

Adopted by [GRANTURK EQUIPMENT CO.,INC.] RESPONSE DOCUMENT REPORT

Official Resolution#: 2024000609

Bid - MOTOR VEHICLE: THREE WHEELED STREET SWEEPER

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL

SWEeper Manufacturer/Model: Elgin Pelican

CHASSIS Manufacturer/Model: Elgin

Engine: John Deere 4045 Tier 4 Diesel

Transmission: Hydrostatic

Hopper System: Conveyor 3.5 CY

Warranty: 5 Year Parts and Labor

Delivery, A.R.O.: 360 Days After Receipt of Order

COMPLIANCE
YES NO

GENERAL

Street sweeper having a three wheel configuration, belt conveyor, 3.6 cubic yard front high dumping hopper, hydrostatic transmission, and right and left side broom with variable down pressure controlled from cab

Contract will be awarded for the product which best serves the interests of the County when cost, product, safety, quality and delivery are considered. The County reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract will be awarded to the bidder submitting the lowest responsible bid meeting the requirements.

CHASSIS – SET BACK AXLE

Configuration shall be three wheel, rear steer. Front steer configurations shall not be acceptable.

For safety, steering strut shall have dual tires. Single tire steer wheels shall not be acceptable in case of flat tire.

To protect the target vehicle receiving the hopper discharge, sweeper shall have permanently fixed heavy duty steel bumpers with rubber padding, capable of limiting the forward movement of the sweeper before the sweeper drive wheels or chassis can impact the target vehicle

For maximum strength, chassis shall be fully welded; formed channel and boxed tube style. Bolt together chassis shall not be acceptable due to limited structural strength.

Chassis shall have front and rear tow hooks.

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

CHASSIS – SET BACK AXLE (Cont'd)

Engine compartment cover shall have two raising assist cylinder

Rear axle shall be strut; incorporates single-sided swing arm suspension type, having a minimum capacity of 7,400 lbs.

Front axles shall be stub type, each having a minimum capacity of 10,000 lbs.

CHASSIS ENGINE

Diesel engine shall be 4 cylinders, turbocharged, dynamically counter balanced, 276 cu/in. (John Deere 4045T or equal). Engine must be EPA Tier 4 "final" and CARB emission compliant and be capable of operating on biodiesel up to B20.

Horsepower rating shall be 74 HP @ 2400 RPM.

Engine shall have ECU for throttle control and management of after treatment system.

Engine shall be rubber mounted.

For greater heat dissipation and lower cost of maintenance, engine shall have individually replaceable wet sleeve cylinder liners.

Air cleaner shall be dual element safety dry-type.

Anti-freeze/water mixture shall be rated at -20 degrees.

Diesel fuel tank shall have a minimum capacity of 35 U.S. gallons.

For operator safety in the event of engine cutout, steering system shall have a manual override.

An engine shutdown shall be included which protects against damage when either low oil pressure or high coolant temperature conditions occur.

The battery can be positively disconnected from the sweeper with an in-cab switch for safety reasons during service and maintenance work and for not draining the battery in case the sweeper is not being used for a longer period of time.

Doors and ignition shall be keyed alike. Six extra keys to be provided.

Engine Block Heater

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

HYDROSTATIC TRANSMISSION

Pump shall be variable displacement with separate variable displacement wheel drive motors.

Power shall be evenly distributed through planetary torque hubs.

Power shall be transferred from wheel drive motors to planetary torque hubs without side loading.

Single foot pedal shall automatically produce required torque at a set pressure.

To prevent the possibility of contamination and the resulting damage to the transmission system, transmission shall be protected by 10 micron filter with cab restriction indicator.

Single foot pedal shall control both forward and reverse directions.

Hydrostatic transmission shall be computer controlled to optimize propel system to engine power.

TIRES AND WHEELS

Front drive tires shall be tubeless radial tires, 11R22.5 (Load range H) mounted on disc wheels

Dual rear tires shall be tubeless radial tires, 215/75 R17.5 (Load range H) mounted on disc wheels.

Sweeper shall be equipped with rear suspension, providing smooth ride for operation, while reducing chassis fatigue.

Rear suspension shall be single-sided swingarm type - design allows for ease of tire accessibility - utilizing heavy duty twin spring coils with shock absorbers - for superior dampening of ground input during operation.

Rear suspension shall have 3 inches of effective travel for maximum jounce.

Rear suspension shall have single convolution hollow rubber spring to prevent hard stop of suspension at jounce limit for increased ride quality.

One (1) spare front and one (1) spare rear tire and wheel shall be included.

MOTOR VEHICLE - THREE WHEELED STREET SWEEPER

ITEM #1 - CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

BRAKES

Service brakes shall be full power, hydraulically applied, twin-caliper disk type.

The hydrostatic system shall be equipped with a priority relief valve to enable the sweeper to gradually coast to a stop when the accelerator pedal is released. The County of Ocean has determined that systems that abruptly stop the sweeper by dynamically braking when the accelerator pedal is in the neutral position are potentially dangerous to our operators shall not be accepted.

Loss of engine or hydraulics power shall not automatically engage brakes.

Neither brake engagement nor disengagement shall be dependent upon the engine running.

Neither parking brake or brake engagement nor disengagement shall be dependent on any electrical circuit.

To safely provide redundancy, parking brake shall be positively and mechanically applied to drive axle.

CAB

Cab glass area shall be not less than 8,500 square inches.

Doors shall be all glass. The doors should be capable of latching completely sealed.

Front windows shall be tinted. Front window area shall be a minimum of 2,300 square inches for optimum forward visibility

Minimum cab visibility shall be approximately 360 degrees without using mirrors.

Cab doors shall be rear opening (hinged at front).

Cab interior environment shall be fully conditioned by filtered fresh air heater pressurizer / defroster and air conditioner (A/C) with adjustable vents.

Sweeper shall include one (1) inside rear view mirror and two (2) outside west coast type mirrors.

Outside mirrors shall be mounted forward of the cab enclosure.

Rocker switches shall be internally illuminated so that they can be readily identified in no or low light conditions without the use of the cab dome light.

Windshield wiper shall be two-speed intermittent with washer.

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER
ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE
ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>CAB (Cont'd)</u>		
Interior of cab shall be lined with acoustical insulation, have automotive type trim, and center console.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dash shall be faced with soft molded plastic.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
There shall be a soft textured steering wheel with center horn at the operator position with tilt and telescopic steering wheel for safer operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sweeper shall have an automatic electronic back-up alarm.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sound levels within the cab shall not exceed OSHA standards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unheated and hand controlled west coast cab mirrors and standard hopper cross view unheated mirrors shall be provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
An AM/FM radio with blue tooth capability and USB Port, two (2) speakers with two map lights is added to the truck.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
License plate holders shall be mounted on the rear of the sweeper and on the front of the body. The rear mounted holder is illuminated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The standard recessed door latch to open and close the engine compartment is replaced by a keyed recessed door latch.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The rear window of the cab shall slide open for ventilation and is in lieu of the standard fixed window.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The standard truck seat is replaced with Dual mid back, black vinyl, air suspension seat (with armrests) for the right side or left side.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
An in-cab mounted 2.5 lb. (1.1 kg) ABC fire extinguisher.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>SIDE BROOMS</u>		
Side broom shall be hydraulic, direct drive, vertical digger type mounted on right and left sides.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Broom speed shall be variable, (90 RPM to 160 RPM), by operator from cab while moving and shall be independent of sweeping speed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Broom down pressure shall be adjustable by operator from the cab while sweeping.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

SIDE BROOMS (Cont'd)

Each broom shall consist of four (4) replaceable plastic segments, filled with 26" long tempered wire.

Broom diameter shall be not less than 36", protruding not less than 13" beyond outside of tire while sweeping.

Electrically operated tilting mechanism allows operator to change inward/outward tip of the right side broom. Angle can be changed from the cab while sweeping. This allows efficient sweeping of irregular surface that could require special manual setting of the broom.

MAIN BROOM

Broom shall be hydraulic, direct drive, not less than 35" diameter and not less than 68" long.

Broom speed shall be variable, (80 RPM to 140 RPM), by operator from cab while moving and shall be independent of sweeping speed.

Sweeping path shall be not less than 8 feet wide with one gutter broom activated.

The main broom shall raise automatically when the sweeper is reversed.

The broom will return to its sweep position and set down pressure when a forward direction is resumed.

The standard main broom is replaced with a United Rotary Brush brand brush, paddle type strip broom.

CONVEYOR

Conveyor with Chevron style cleats and shall be hydraulically driven and able to load hopper to 100% of rated useable capacity.

Conveyor shall be reversible in direction without stopping or reversing any broom.

Conveyor shall be capable of effectively sweeping debris of varying sizes (from large bulky trash 6" in height to fine sand) without the need to make any adjustments to the conveyor system.

A conveyor belt having molded Chevron style cleats and sipes shall carry, not drag, debris to the hopper.

The main broom shall raise automatically when the sweeper is reversed. The broom will return to its position and down pressure when a forward direction is resumed.

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>CONVEYOR (Cont'd)</u>		
Cleans lower conveyor roll by diverting fill water, at hydrant pressure, through the conveyor roll area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In-cab dash mounted audio and visual alarm to indicate if the conveyor stalls.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>HOPPER</u>		
The hopper shall be front dumping, allowing an operator to observe the dump target and surrounding area at all times from the cab, without the use of mirrors.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hopper shall dump at varying heights ranging from ground level through a height of 9-1/2 feet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hopper shall have a dumping reach of 33 in. forward.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tilt arm bearings shall be permanently - lube Teflon impregnated Composite.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dump cycle shall be not more than 60 seconds.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Volumetric capacity shall be not less than 3.6 cubic yards, useable capacity not less than 3.5 cubic yard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The Lifeliner Hopper System shall be provided to protect the hopper against corrosion and wear and to facilitate the removal of the debris when dumping. Bare steels including stainless steels are unacceptable and will not be considered.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>WATER SYSTEM</u>		
Tank capacity shall be not less than 220 U.S. gallons.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tank shall be constructed of non-rusting material (polyethylene or equal).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump shall be a 5 chamber diaphragm pump that is self-priming and capable of running dry.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water fill gauge shall be visible from normal operating position.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sweeper shall be equipped with an automatic internal hopper/conveyor flush and wash down system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water fill hose shall be not less than 16'8" in length, equipped with 2-1/2" NST hydrant coupler.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Storage basket shall be provided for fill hose.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER
ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE
ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

WATER SYSTEM (Cont'd)

Quick coupling for the water fill hose. Instead of threaded on connection, the water fill hose can be quickly connected and disconnected to the sweeper's water fill connector.

Tool for opening and closing the fire hydrant for filling up the water tank.

HYDRAULIC SYSTEM

Power shall be provided by shaft and gear driven pumps.

Hydraulic reservoir shall be not less than 33 gallons, baffled and with sight gauge.

Test ports shall be at staggered height, including individual ports for sweeping functions, hopper functions and propulsion.

To prevent contamination of the reservoir during the dump cycle, the reservoir vent shall be equipped with 10 micron, spin on filter.

To prevent the possibility of contamination and the resulting damage to the hydraulic system, return lines for drive to have 10 micron filter with cab mounted restriction indicator.

To prevent contamination of the reservoir when adding hydraulic fluid, all oil added shall pass through a 10 micron filter located within the fill spout.

To maximize cooling efficiency and permit thorough cleaning, the hydraulic cooler shall be mounted alongside the water radiator.

Cooler shall be protected by a 125 PSI bypass valve.

To minimize environmental damage caused by leaking hydraulic fittings, all pressure hydraulic fittings shall be flat-face "O" ring or "O" ring boss type.

All circuits shall have quick-disconnect check ports.

A warning indicator shall be supplied to warn operator if the hydraulic oil in the reservoir falls below the acceptable level required.

ELECTRICAL

Unitized alternator/regulator shall be not less than 90 ampere.

Battery shall be maintenance free, 12 volt, 180 minimum reserve, 925 CCA.

For safety, all electrical circuits shall be protected with automatically self-resetting circuit breakers which do not require any action by the operator to reset.

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)**COMPLIANCE**
YES **NO****ELECTRICAL** (Cont'd)

All lighting shall be D.O.T. approved including combination stop and tail lights, sealed multiple beam headlights, high beam-low beam switch, adjustable side broom spotlights, illuminated gauges and instrument panel, internally illuminated rocker switches, self-canceling directional signals, and hazard switch.

All wiring shall be harnessed, identified by color coded and word coded wires (i.e. "Ignition", "Headlight" etc.)

All terminals shall be properly crimped and splices ultrasonically welded.

All electrical connections shall be sealed with weatherproof, polarized connector.

Electrical system shall have complete plug-in diagnostics that includes fault codes and troubleshooting.

Two (2) LED flood lights mounted on the top of the cab facing forward for extra forward illumination, to view in the body or for extra light when dumping. The lights can be controlled by an in-cab dash mounted switch.

Two rear facing lights allow illuminated rear view during nighttime operation. This option also turns on when the sweeper is reversed and is also manually controllable by a switch on the control panel.

Sweeper shall be provided with Dual rear mounted strobes with guard with front and rear visibility.

Four (4) clearance lights shall be installed on the sides of the sweeper (two (2) lights on each side) An amber colored light shall be mounted in the front and in the middle of the sweeper.

CONTROLS

All sweeper controls shall be mounted on a central control console with locking ignition for use from either the right or left position. This allows the operator to view all important information from either operating position.

The controls shall include all sweep, spray water, and lighting functions.

The controls for sweep, spray water (if equipped with a water system), and lighting functions shall be conventional rocker switches.

Rocker switches shall be clearly identified by name and international symbol.

Hydraulic functions shall be controlled by electric rocker switches.

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

¹³
ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

CONTROLS (Cont'd)

Hopper dump functions shall be controlled by a single joystick that meets the SAE standard. Multiple levers shall not be acceptable and shall not be considered.

INSTRUMENTS

Instrument panel shall be full vision illuminated with tachometer, hour meter, speedometer, odometer, fuel gauge, hydrostatic oil temperature gauge, water temperature gauge, oil pressure gauge, voltmeter gauge, hydraulic filter/drive filter indicator and engine air intake restriction indicator.

An automatic rear view camera with full color 5.6" LCD monitor shall be provided. Camera shall monitor display the area behind the sweeper whenever the sweeper is moving in reverse. The display shall be selectable to allow continuous rear view at all times. The display shall have an additional camera input to allow future expansion of additional cameras. The camera shall be equipped with infrared lamps to allow night vision.

PAINT

All visible exterior metallic surfaces shall be coated prior to assembly with polyester powder coat. The paint must be a minimum of two (2) mils thick. The uses of acrylic enamels and/or polyurethane's shall not be acceptable.

Color shall be specified from Standard Color Chart

Vehicle shall have an accent color of Grey on the lower portions of the unit.

Entire underside of hopper and underside of sweeper body to be coated with Tough Coat. Tough Coat is an economical state-of-the-art, pure polyurea thermoplastic elastomer. It is designed for processing through medium pressure, heated, plural proportioning equipment. Tough Coat provides a resilient, tough, abrasion resistant monolithic membrane with water and chemical resistance.

ACCESSORIES TO BE INCLUDED

One (1) complete set of filters for cab/chassis, drive train and upfit.

5 gallons of recommended-use hydraulic fluid.

“SLOW MOVING” emblem shall be provided

One (1) spare main broom and two (2) sets of gutter brooms

One (1) spare water fill hose

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

ACCESSORIES (Cont'd)

Two (2) Laptops with Danfoss +1 Pelican Electronic Service Tool software, Adapter Interface (7179220), Adapter Harness (1112208). All required accessories shall be supplied to communicate with all components of the supplied sweeper. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software.

JK

WARRANTY

Manufacturer's warranty shall be not less than five (5) years on entire sweeper, including all parts and labor.

JK

Five (5) years engine and transmission, including engine after treatment.

JK

Five (5) year towing package for warranty related claims.

JK

Ten (10) year warranty on Lifeliner Hopper System includes the corrosion protection and replacement of the metal debris hopper.

JK

OPTIONS

1A. Solid Waste Management Department Color Scheme

Color shall be Light Chestnut PPG#03956PPG (High Gloss).

1B. Diagnostic Tools/Test Equipment

1. Successful bidder shall be required to supply between two (2) complete sets of OEM testing/diagnostic/programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable)
2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software
3. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid
4. All software installations and activations will be completed by the successful bidder at no cost to the County
5. All software updates and renewal will be provided at no cost to the County for a period of five (5) years from the acceptance of the equipment
6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the County for a period of five (5) years from the acceptance of the equipment
7. Training shall be provided on all items in this section at a specified County location

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

1C. Two-Way Radio Power and Wiring Requirements for New Vehicles (Wiring Only)

For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
2. #12 AWG BLACK wire connected to chassis ground.
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The wires shall be unterminated. The 12VDC sources shall be protected from making contact with grounded metal surfaces.

1D. Installation of County Supplied Two Way Radio and Accessories (Radio and Wiring)

Install is to include but not limited to antenna cable, mounts, speakers, brackets, etc.

For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
2. #12 AWG BLACK wire connected to chassis ground.
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The 12VDC sources shall be protected from making contact with grounded metal surfaces.

1E. Technical Support

Technical Support is to be provided by factory authorized technical representatives and is to be the original equipment Manufacturer's industry standard technical presentation in a classroom setting.

The support provided shall be at the journeyman/equipment technician level and should address limited theory, fault diagnosis and repair pertaining specifically to the equipment supplied under this specification.

Technical support may be requested in the following areas:

1. Engine (cooling, fuel, ignition, lubrication systems) – 1 day at each location.
2. Transmission – 1 day at each location
3. Electrical – 1 day at each location
4. Brakes – 1 day at each location
5. Hydraulic system (dump body, spreader, snow plow) – 1 day at each location
6. Upfitter (dump body, sweeper, etc.) – 1 day at each location

MOTOR VEHICLE – THREE WHEELED STREET SWEEPER

ITEM #1 – MODEL YEAR 2021, OR NEWER, ELGIN PELICAN THREE WHEEL SINGLE ENGINE BROOM STREET SWEEPER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (Cont'd)

1E. Technical Support (Cont'd)

A technical representative(s) shall be made available for a total of 180 training/ support hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days will be allowed only with consent of Ocean County. The total training hours will be required to be provided and no additional compensation will be considered. The actual time to be spent on each area will be by mutual agreement of the Ocean County and the successful bidder.

For the purposes of determining materials and other training costs, class size is anticipated to be comprised of six (6) to ten (10) personnel.

Before the training is scheduled, Ocean County and the contractor will agree on the scope of the training, and the type and quantity of manuals, etc. that are necessary for proper coverage.

Technical Support may be provided at the following facility locations:

- a. Toms River, 152 Chestnut Street, Toms River, N.J. 08753
- b. Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050
- c. Lakewood, 800 Towbin Avenue, 08701

Technical Support for other Departments will be held at a location within Ocean County. The requesting Department will notify the successful bidder of the location.

Training at the successful bidder's site, rather than the designated locations, will be by mutual consent only.

Technical support will be requested and scheduled on an as needed basis up to but not exceeding the 180 hours total during a period not to exceed twelve (12) months from the date of placing the last unit in service.