

**VILLAGE OF GENESEO
PUBLIC NOTICE**

The Village of Geneseo is accepting proposals for the purchase of a new 2021 Street Sweeper. Specifications may be obtained at the Village Clerk's Office, 119 Main Street, Geneseo NY 14454, via the website www.geneseony.org under Village of Geneseo Notices or via an email request to the Superintendent of Public Works Dan Quinlan: geneseowaterworks@geneseony.org. Bids are due by 10am on Monday, November 8, 2021 at the Village Clerk's Office at which time they will be opened.

Dated: October 5, 2021

Publication Date: October 14, 2021 and October 21, 2021

Aprile S. Mack

Village Clerk/Treasurer

Village of Geneseo Specs Regenerative Air Sweeper

Diesel Powered 7.3 Cubic Yard Volumetric Capacity Street Sweeper

It is the intent of these specifications to describe a street sweeper in sufficient detail to assure that product reliability, design integrity, technical soundness and sweeping performance is provided. The unit provided shall be new, of current manufacture, and the model and series must have been in production a minimum of ten (10) years. Bidder shall provide a list of 5 customers currently using the model. All parts not specifically mentioned, which are necessary to provide a complete street sweeper, shall be included in the bid and shall conform in strength and quality of material and workmanship to what is normally provided to the trade in general.

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

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

The unit bid shall be a regenerative air sweeper mounted on a truck chassis capable of highway speeds.

COMPLIANCE TO SPECIFICATIONS

The bidder shall indicate their compliance with a “YES” or non-compliance with a “NO” for each line item specification. Any space left blank shall be considered non-compliance. Any **EXCEPTIONS** to these specifications must be clearly cited in writing and attached on a separate sheet of paper by the bidder. No deviations below “minimum” or above “maximum” specifications will be accepted.

MANUALS/TRAINING

The bidder shall supply one printed sweeper operator’s manual and one printed sweeper parts and service manual on paper and one set on an electronic format with each unit.

The bidder shall supply one operator’s for the auxiliary engine on paper.

Manufacturer shall have available certifiable training course for complete maintenance and operation of sweeper at the manufacturer’s facility. The training course is provided at no additional charge.

Manufacturer must have scheduled a minimum of 20 training courses per year for convenience of customers scheduling. The course shall be specific to the model bid.

Bidder shall provide video operator instruction/safety/maintenance procedures on an electronic format with the unit.

PAINT - COLOR

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

REGENERATIVE AIR SWEEPER

POWER UNIT - DIESEL

The sweeper power unit shall be a diesel fueled, liquid cooled, charge air-cooled, turbocharged electronic Final Tier 4 emissions John Deere PowerTech™ PWL 4.5L industrial engine, Model 4045HFC04. Engine displacement shall not be less than 275 cubic inch developing not less than 99 HP @ 2200 RPM and 315 ft. lbs. torque @ 1600 RPM. Engine shall be 4.2" bore and 5.0" stroke.

Cylinder construction shall be wet sleeve type.

Engine shall be equipped with a radiator fan, auxiliary drive, and engine mounted exhaust filter

Spin on replacement type oil filter remote mounted for easy access

Unit shall have a fuel/water separator and fuel filter remote mounted for easy access with water-in-fuel monitoring that will display a warning in the cab of the sweeper.

12 volt ignition, electric starter and minimum 90 amp alternator

Engine electronics shall use John Deere ECU module and CAN SAE J1939 data link for communication.

An engine ECU shall have a multi-point engine protection system that will derate/shutdown when an engine problem is detected such as high coolant temperature, low coolant level, high air cleaner restriction or low oil pressure.

Engine controls shall be located inside cab.

Unit shall share a 51 gallon fuel tank with chassis engine.

Unit shall share batteries with chassis engine.

Unit shall have a heavy-duty dry type air cleaner with replaceable Donaldson PowerCore® element, safety element, and integral pre-cleaner scavenged to the regenerative air system.

The in-cab display shall include an air cleaner restriction gauge which displays percentage restriction and includes an audible alarm and visual message when filter restriction reaches a serviceable level.

Engine shall be programmed for isochronous governor feature for engine speed control.

A heat exchanger assembly will provide adequate cooling for three different systems: engine coolant system, engine intake charge air and hydraulic system oil. It must be modular in design for ease of maintenance with each cooler located side-by-side rather than stacked in series. Air will be circulated through the heat exchanger assembly by an engine mounted fan.

A 5.4 gallon (volumetric), 3.8 gallon (useable), right mid-ship mounted DEF tank shall supply diesel exhaust fluid to Selective Catalytic Reduction (SCR) system.

DUST SEPARATOR – HIGH CAPACITY

Separation of the dirt from the air stream shall be accomplished within the hopper by means of a multi-pass cylindrical centrifugal single chamber dust separator with a minimum size of 20" diameter and 61" width. The separator shall be designed so that it will not plug with normally encountered debris.

The dust separator shall have a minimum 24" x 61" curved, easy to open door allowing inspection and cleaning of the interior. The door shall have an abrasion resistant bonded rubber lining material for long life.

The dust separator shall incorporate a high capacity chamber to accumulate the separated material. The chamber shall be a minimum 16" x 24" x 61".

The entire dust separator inlet area shall be lined with a bolt-in replaceable, wear resistant rubber liner for long life.

Dust separator shall be constructed of industrial grade, **non-magnetic** low carbon, high chromium stainless steel.

HOPPER

Hopper size to be approximately seven and three tenths (7.3) cubic yard volumetric measurement with an operating load capacity of not less than 6 cubic yards.

A 61" x 84" steel screen of not less than 13 gauge shall be provided.

Dumping shall be accomplished by means of hydraulically actuated cylinders attached to a rear door which shall have a minimum opening of 84" x 44" with a raker bar moving inside hopper as door is opened and closed to dump debris behind the rear wheels.

Hydraulic cylinder movement shall be controlled with the use of an electric toggle switch located on the side of the hopper so discharging of debris may be viewed during dumping.

The hopper floor shall have a minimum of 22 degree slope.

Hopper door shall be opened and closed hydraulically and be held in the closed position by means of a lock valve located in the hydraulic dump circuit.

A 9.75"x 29" inspection door shall be provided on both left and right side of the hopper for easy viewing inside hopper and insertion of large debris.

Hopper shall be maintained airtight through use of rubber seals on all doors and openings.

Hopper suction inlet roof area shall have a bolt on replaceable Ultra High Molecular Weight (UHMW) wear resistant liner 3/8"x11"x10'.

An SAE Class 1/California Title 13 compliant amber LED beacon light shall be mounted on the rear of the sweeper hopper. The beacon light shall have a protective limb guard.

A second SAE Class 1/California Title 13 compliant amber LED beacon lights shall be mounted on the rear of the sweeper hopper. The beacon lights shall have a protective limb guard.

Two (2) work lights shall be mounted at the rear of the hopper to illuminate the dump area.

Two (2) amber LED flashing warning lights shall be mounted at the rear of the hopper.

Abrasion protection package shall be furnished with standard hopper screen with screen baffles; protective hopper wall liners; suction nozzle liner; pressure wear pads; heavy duty pressure hose

Hopper Deluge System with high volume nozzles which attach to a fire hydrant to flush the hopper shall be furnished and shall include quick disconnect fittings on nozzle and filler hose.

The hopper screen shall be constructed of non-magnetic stainless steel.

For maximum corrosion resistance, all interior and exterior hopper sheet surfaces to be fabricated with an industrial grade, **non-magnetic** low carbon, high chromium stainless steel. **The hopper, hopper door, inspection doors, raker plate, high capacity dust separator, and screen assemblies are made of stainless steel and included.**

HYDRAULIC SYSTEM

The hydraulic system shall be adequate for use within the design requirements of the sweeper. The system shall include a minimum 25 gallon reservoir, sight gauge, temperature gauge, 80 mesh suction strainer, spin-on replaceable full flow oil filter, restriction indicator, hydraulic cylinders, gutter broom drive motors, control valves, relief valves, oil cooler, hydraulic hoses and standard fittings.

The multiplex control system shall include a hydraulic oil temperature shutdown which provides the operator an audible and visual indicator through the in-cab display and shuts off the gutter brooms when hydraulic oil reaches a high temperature. The in-cab display shall also include a hydraulic oil temperature gauge.

Mobil DTE 25 ULTRA hydraulic oil shall be provided for extended service life.

The hydraulic pump shall be driven by the auxiliary engine.

Pressure shall be 2500 PSI maximum for gutter brooms and 1500 PSI maximum for pick-up head and dump door.

An auxiliary hydraulic system shall be furnished which electrically operates the hydraulic system without running the auxiliary engine to raise/lower the gutter broom(s), pick-up head and open/close the dump door.

BLOWER

Heavy duty, wear resistant, high strength cast aluminum alloy turbine type open face blower computer balanced within 4 grams shall be provided to create air pressure and suction.

Blower wheel shall be covered with wear resistant rubber for long life.

Blower shall be mounted on anti-friction bearings, sealed and lubricated for life. If bearings are not sealed, then an automatic lube system must be furnished.

Blower shall be driven from PTO off auxiliary engine by heavy duty power belt which shall be adjustable for tension.

Blower housing shall be a bolt on design and shall be lined with a bolt-in wear resistant, replaceable rubber liner for long life.

Blower not to exceed 3000 RPM to insure smooth efficient performance.

Non-magnetic Stainless Steel Blower Housing shall be furnished.

PICK-UP HEAD - BROOM ASSIST (BAH)

A spring balanced all steel fabricated pick-up head with maximum length and width of 87" x 41" I.D. shall be provided.

The pick-up head shall have a separate upper and lower chamber where pressurized air is blasted from upper chamber through an elongated blast orifice to street surface.

Blast orifice flange shall be of bolt-on design so that flange is easily replaced and shall have adjustment mechanism so that blast orifice gap is easily adjusted without removing pick-up head from sweeper.

Pick-up head shall have a 14 inch diameter (minimum) pressure inlet ring located on left side of pick-up head.

A 14 inch diameter (minimum) pressure hose attached between pick-up head and blower housing shall be provided.

A bolt-on pressure inlet ring with turning vanes shall be provided for efficient performance and easy service.

A 14 inch diameter (minimum) suction hose, attached to a quick disconnect transition at the hopper, shall extend down to the right side of the pick-up head and shall be attached to the pick-up head suction nozzle ring which shall be constructed of 1/4 inch steel.

Suction hose shall have a minimum 3/8 inch wall construction for long life.

Pick-up head shall be equipped with reversible, 2" wide, adjustable, side mounted, integral alloy steel and carbide runners for maximum pick-up ability and long life. Skid runners to be warranted for 2 years/2,000 hours prorated.

Pick-up head shall be equipped with 2" wide adjustable side mounted integral alloy steel and carbide runners for maximum pick up ability and long life. Skid runners to be warranted for 2 years/2,000 hours prorated. Runners shall be symmetrical for optimum life.

Pick-up head shall be raised and lowered hydraulically by a single switch on the control panel.

Pressure inlet ring shall be equipped with an adjustable pressure relief for optimum leaf and light debris sweeping; control shall be mounted inside cab.

A broom shall be mounted at the rear of the pick-up head and shall be fully enclosed.

Control of broom rotation and positioning shall be accomplished by a single toggle switch located on the control console in the cab.

The broom shall be driven hydraulically at 230 RPM. A separate hydraulic pump will be provided for all broom functions.

The broom shall be 79" long and 12" in diameter.

Broom pattern shall be easily adjustable by mechanisms on the top of pick-up head.

Nominal broom replacement time shall be 20 minutes.

Design of broom suspension shall provide automatic independent positioning of each broom end to conform to the surface being swept.

Two (2) hydraulic cylinders shall be incorporated to provide positioning and the independent suspension of the broom ends.

Down pressure and broom pattern shall be hydromechanically controlled to provide maximum broom performance and life.

Reverse Pick-Up Head System shall allow unit to back up without damage to pick up head.

Hydraulic pick-up head front curtain lifter shall be provided to give the pick-up head the ability to sweep a large volume of light debris such as leaves, grass, paper, etc. without causing excessive debris accumulation at the pick-up head inlet. It shall be hydraulically controlled with a switch within the cab of the truck.

Pick-Up Head Deluge System with a high volume nozzle which attaches to a fire hydrant to flush the pick-up head shall be furnished and shall include quick disconnect fittings on nozzle and filler hose.

The pick-up head pressure transition shall have a minimum 6 inch diameter port allowing inspection and cleaning of the interior, with an expandable rubber plug.

GUTTER BROOMS

Twin gutter brooms shall be 43 inch minimum diameter, steel bristle filled vertical digger type for removing debris from gutter area.

Gutter broom(s) shall be hydraulic motor driven and shall be positioned laterally and vertically by one hydraulic cylinder.

Gutter broom down pressure shall be automatically adjusted to load by a pressure sensing sequence valve in line with gutter broom torque motor.

Each gutter broom shall have adjustment for bristle contact pattern and wear.

Each gutter broom shall have lateral flexibility to swing rearward 15" when encountering the impact of an immovable object thus avoiding damage to the broom assembly.

Each gutter broom shall have a spring adjustment to allow downward compensation for bristle wear and shall be free floating to follow street contour.

Each gutter broom shall be held in the up and transit position by use of an electric lock valve attachment. Upward motion of gutter broom shall be regulated by an adjustable flow control valve.

Each gutter broom shall be controlled from inside the cab by a single switch.

Twin gutter brooms shall additionally incorporate a hydraulically actuated tilt capability of 27 degrees, remotely controlled from the operator's seat to allow instant adjustment for debris removal from deep gutters (such as those resulting from multiple overlays of blacktop).

DUST CONTROL WATER SYSTEM

Water tanks shall be 220 gallons total capacity, constructed of recyclable polyethylene for strength and puncture resistance, be 100% rustproof, be of bolt-in design for easy removal, and have a water level sight gauge.

Water from tank to be filtered by 80 mesh cleanable filter located between tank and water pump.

A belt driven Cat 290 piston water pump delivering up to 3.5 GPM with a 55 PSI system relief pressure and with an electronic solid state liquid level sensor to automatically shut off pump trigger an audible alarm and warning message on the touchscreen display when water is depleted.

Hi/low pressure wash down system with self-contained water supply; 25' high pressure, low volume wash down hose, a belt driven Cat 290 piston water pump (delivering up to 3.5 GPM with a 1000 PSI working pressure); a wand with trigger control and two interchangeable lance lengths of 36" shall be furnished.

Automatic 3/8" x 50' retractable hose reel shall be provided.

Electric solenoid water control valves shall be cab controlled. Spray system shall include spray nozzles to be located as follows: minimum of 4 on outside of pick-up head; 2 for each gutter broom; 1 inside hopper. Water nozzles to be located on outside of pick-up head and suction tube for easy inspection and superior dust control. Water tank shall have anti-siphon/anti-pressure filler neck with air gap.

Flexible 20 foot (minimum) long water fill hose with 2½ inch coupling for filling water reservoir and hose storage rack shall be provided. Water fill hose shall include a stainless 100 mesh cleanable filter.

High output water system shall be furnished with additional nozzles and deflectors strategically located to control extreme dust.

Hydrant wrench shall be furnished.

Additional right gutter broom water nozzle controlled by a separate switch shall be provided.

Additional hopper water nozzle controlled by a separate switch shall be provided.

Pressure transition water nozzle controlled by a separate switch shall be provided.

HAND HOSE EQUIPMENT

Heavy Duty Auxiliary Hand Hose with Hydraulic Boom and Remote Control to control the boom (up/down), the auxiliary engine speed (up/down) and stop the auxiliary engine utilizing a wireless control system. It shall include a receiver mounted in the truck cab and two (2) transmitters; one is a hand-held fob and the other is a box mounted on a quick release handle on the hand hose nozzle.

OPERATING CONTROLS

The sweeper electronic control platform shall be CAN controlled utilizing a multiplex control system.

The multiplex control system shall be equipped with a multiplex module with diagnostic LED indicators for all Inputs and Outputs as well as network and power LEDs to assist in troubleshooting.

The multiplex module shall be equipped with overcurrent protection for all outputs.

All module Inputs and Outputs as well as network and power status shall be accessible through the in-cab display.

All operating controls for sweeper shall be mounted inside truck cab and readily accessible to the operator.

All main sweeping functions shall be multiplexed with LED diagnostics and integral solid-state circuit protection to reduce overall wiring and enhance operator feedback.

In-cab controls shall consist of, but are not limited to, gutter brooms, pick-up head, engine throttle, water system, water system nozzles, dump door, and work lights.

Dump control includes a single weatherproof toggle located on the exterior of sweeper on the blower side on the hopper, mid-ship.

Auxiliary engine controls shall be mounted on control console.

A 5.7 inch viewable (minimum) multi-function, high resolution, LCD, color touchscreen display shall be pedestal mounted to display gauges consisting of, but not limited to engine RPM, engine oil pressure, engine temperature, battery voltage, and instantaneous fuel rate.

For sweeper on board diagnostics (OBD), the in-cab display shall provide detailed text descriptions of sweeper faults as well as provide input/output status and stored output faults.

For auxiliary engine OBD, the in-cab display shall provide a detailed message about auxiliary engine faults providing SPN, FMI, and a text description of the fault at minimum.

The display shall provide a visual indicator icon for the following: Pick-up head down, pick-up head broom, dust suppression water pump, low water, water system winterization.

The in-cab sweeper display shall incorporate resettable and non-resettable hour meters for the auxiliary engine; left and right gutter brooms; pick-up head; pick-up head broom; water pump; and blower for collecting data about sweeping route performance and maintenance.

The in-cab sweeper display shall incorporate resettable sweeper and auxiliary engine service timers, which will trigger service reminders for engine oil, engine air filter, fuel filters, hydraulic filter, hydraulic oil.

The in-cab display shall include a minimum five (5) User-defined custom reminders

A minimum of three (3) custom reminders shall be timed by hours

A minimum of two (2) custom reminders shall be timed by days.

The in-cab display shall include a sweeper odometer that is active when the pick-up head is down and the auxiliary engine is above idle.

The sweeper odometer shall include a non-resettable odometer and resettable odometer, hour meter, and average sweeping speed.

The in-cab display shall log the following events by date, time, event title, and engine hours: hour meters resets, custom reminders resets, service reminders, service hour meter reset, overspeed events, hydraulic oil alerts, engine faults, sweeper output faults, sweeper odometer resets, winterization and de-winterization events, and fuel usage statistics resets.

Overspeed warning system shall be equipped to alert the operator when sweeping at an excessive speed and can be adjusted from 5-20 mph with a PIN code.

The in-cab display shall include fuel usage statistics for the auxiliary engine which displays trip fuel usage, fuel trip hours, average fuel economy, and instantaneous fuel rate.

The in-cab display shall include an on-screen guide for winterization procedures specific to the dust control system equipment. The display shall tag the system as winterized once the guide has been completed and will remove the winterized tag once the system senses water.

Audible alarms and visual indicators shall include, but are not limited to indications of the following: low dust control water, exceeding maximum recommended sweeping speed, auxiliary engine fault codes and derates such as low coolant or high engine temperature, and sweeper output faults such as low voltage.

All main electrical systems, i.e. ignition, lights, hydraulic, etc. shall be separately fused to isolate electrical problems to fused area and speed service.

All external wiring, harnesses and terminations shall be of a sealed, weather-tight design utilizing heat-shrinkable components. Additionally, where feasible, all connectors shall utilize solid, cold-formed, nickel-plated copper alloy contacts with gas-tight crimps (Deutsch).

Auto Sweep Interrupt (ASI) shall be furnished. It is a system designed to interrupt sweeping functions when any of several parameters are met. When set in Auto mode, the transmission gear placed in reverse and the "ASI RESET" switch being engaged are two of several parameters that can engage ASI. Auto sequence of operations is as follows for equipped and active features: 1) Auxiliary engine is idled and gutter broom(s) are stopped 2) Dust control system is turned off 3) Left gutter broom is raised 4) Right gutter broom is raised 5) Pick-up head is raised. The "ASI RESET" switch will reposition all functions to prior setting(s) and can be used as a one button start/stop switch during sweeping to interrupt/resume all sweeping functions. Several ASI features shall be configurable and be enabled/disabled through the control system display and be PIN protected including: **Overspeed Interrupt**, when enabled, allows for a two-stage process to prevent sweeping at excessive speeds by warning the operator at a set PIN-code protected configurable speed and then by activating ASI at a set configurable speed. From 5-20 mph the operator will receive a warning and at 8-25 mph the Auto Sweep Interrupt will engage depending on ranges set. (Included with ASI.)

Reverse Trigger Bypass, when enabled, will prevent ASI from activating when the transmission is placed in reverse. This allows ASI to be activated using other triggers such as engaging the ASI RESET switch for one button start/stop sweeping. (Included with ASI.)

RPM Return, when enabled, will allow ASI to return the blower RPM to the previous setting before ASI was activated. (Included with ASI.)

In-cab dump switch shall be located on the control panel to activate dump operation from inside cab.

Storage Box with Work Platform with approximately 6 ft³ of storage space (12" W x 12" H x 69" L) with left-side and right-side accessible lockable doors located between truck cab and sweeper. Comes with 2 slide-out removable drawers (10" W x 5.5" H x 33" L per drawer) and easily accessible work platform.

Work lights shall be provided with (1) pointing to the left gutter broom and (1) pointing to the right gutter broom, and (2) pointing behind the sweeper from the rear

CHASSIS

GENERAL

Chassis/cab shall be conventional with a tilt hood. Frame to be straight full channel steel rails (80,000 PSI). Gross vehicle weight rating to be not less than 31,000 lbs. Curb weight with cab, fuel, water, oil and tires shall be approximately 9,300 lbs. Standard truck cab enclosed and equipped with safety glass all around and two individual, adjustable, high back air seats with lumbar support and safety orange seat belts.

WARRANTY

Base vehicle coverage is 24 months/unlimited mileage.
Engine (diesel) coverage is 36 months/unlimited miles.
Drive train coverage is 24 months/unlimited mileage.
Allison transmission coverage is 36 months/unlimited mileage.
Frame coverage is 60 months/unlimited mileage.
Cab corrosion coverage is 60 months/unlimited mileage.

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

WHEELBASE

Chassis shall have a maximum wheelbase of 165".
Special frame drilling.

AXLES

Front axle to be minimum of 10,000 lbs. with taper-leaf suspension of 10,000 lbs.
Rear axle shall be 21,000 lbs. 2 speed with a ratio of 5.57/7.60, suspension to be minimum of 31,000 lbs. vari-rate with 4,500 lbs. capacity multi-leaf auxiliary rubber spring.

STEERING

Dual operator controlled integral power steering with cruise control, tilt and dual gauge package.
Diameter of steering wheel will be minimum 18".

BRAKES

Service brakes to be full air with 18.7 cfm air compressor.
Air tank drain valve, manual with pull cable.
Front brakes Q-Plus shall be 15" x 4" and have front shock absorbers.
Rear brakes Q-Plus shall be 16½" x 7" with dust shields.
Shall have automatic slack adjusters front and rear.
Parking brakes shall be spring actuated, double diaphragm, 30" MGM Chambers air chambers, with warning light.
Brake chambers, spring relocated to rear of rear axle for maximum ground clearance.
4-Channel anti-lock brake system shall be provided.
An air dryer with heater shall be furnished.

CAB

Cab shall have in-dash chassis manufacturer's factory installed air conditioner for operator comfort with a fresh air filter.
Cab to have individual driver and passenger air, high back adjustable seats with cloth inserts and lumbar supports.
External grab handles on the left and right side with standard interior grab handles shall be provided.
Dual sun visors, coat hook, storage pocket on driver door, 12V receptacle, electric horn, electric windshield washer and 2 speed electric wipers with intermittent wiper switch shall be provided.
Chassis shall be equipped with fresh air heater, defroster, dual 7" x 16" remote controlled heated electric powered mirrors, and two separate 10.5" diameter parabolic mirrors.
AM/FM stereo radio with clock and auxiliary input shall be provided.
Chassis Hour Meter shall record truck engine hour operation.

Power windows and door locks shall be provided.

Air horn

ELECTRICAL

Shall consist of two, multiple beam headlights with dash beam indicator, daytime running lights, instrument panel, taillights, stop lights, front and rear turn signals, and self-canceling signal switch, equipped for four way flashing.

Taillights, stop lights and signal lamps may be in combination.

Shall have two 12volt (1900 CCA total) maintenance free batteries.

Shall have a 160 amp alternator.

ENGINE/EXHAUST

Shall be in-line six cylinder turbocharged and air-to-air intercooled diesel with a minimum 200 HP at 2400 RPM, 6.7L, 520 lb./ft. torque @ 1600 RPM.

Horizontal aftertreatment device, right frame mounted. Includes single horizontal tail pipe.

Dry type single element air cleaner with restriction indicator in cab and safety element.

Automatic glow plug with indicator light shall be supplied.

Automatic shutdown/over temperature protection engine coolant.

A 6 gallon, DEF tank shall supply diesel exhaust fluid to Selective Catalytic Reduction (SCR) system.

FUEL

A 51 gallon tank shall be supplied and shall supply fuel to both engines.

TIRES AND WHEELS

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

Wheels to be 10 hole disc 22.5 x 8.25 DC.

TRANSMISSION

Shall be heavy duty Allison 2500 RDS electronic, six-speed, automatic, with external oil filter.

A transmission temperature gauge shall be supplied.

Synthetic transmission oil shall be supplied.

MARGARET E. DUFF
MAYOR

CHRISTOPHER IVERS
DEPUTY MAYOR

LEAH FLETCHER
TRUSTEE

EDDIE LEE
TRUSTEE

KATARINA G. WOODS
TRUSTEE

MARY KAY YANIK
ATTORNEY



APRILE S. MACK
CLERK/TREASURER

SHAWN FORRESTER
DEPUTY CLERK/TREASURER

ANDREW W. CHANLER
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SUPERINTENDENT OF PUBLIC WORKS

ERIC G. OSGANIAN
CHIEF OF POLICE

CRAIG WADSWORTH
CODE ENFORCEMENT OFFICER

Regenerative Air Street Sweeper Checklist

	Yes	No
Specifications		
Manuals and Training		
Paint - Color		
Power Unit - Diesel		
Dust Separator - High Capacity		
Hopper		
Hydraulic System		
Blower		
Pick Up Head - Broom Assist		
Gutter Brooms		
Dust Control Water System		
Hand Hose Equipment		
Operating Controls		

Chassis Checklist

	Yes	No
General		
Warranty		
Wheelbase		
Axles		
Steering		
Brakes		
Cab		
Electrical		
Engine/Exhaust		
Fuel Tank		
Tires and Wheels		
Transmission		

Village of Geneseo Department of Public Works

Diesel Powered 7.3 Cubic Yard Volumetric Capacity Street Sweeper

BID PAGE

This agency is looking for pricing on a current model 2021, Street Sweeper. Due to the specific requirements of these specifications, including but not limited to the overall size and layout demo or stock units and/or prototypes have not been requested.

Year, Make and Model: _____

Total Bid Price Delivered (IN NUMBERS): _____

Total Bid Price Delivered (IN WORDS): _____

All vehicle(s) being bid must conform to the attached specifications. Alternate bids have not been requested by this agency and will not be considered. Please have a Company Official sign in ink in the space provided below. Unsigned bids will be considered incomplete and will be rejected. It is agreed, by the undersigned bidder that the signing of this bid represents the bidders' acceptance of the terms and conditions of the attached specifications and provisions. Unless otherwise stated by the bidder, signing of this bid represents full acceptance of these specifications as written and the bidder will be responsible for providing this equipment exactly as specified. The bidder further agrees that this bid will be valid and firm for ninety (90) calendar days after the date of the bid opening. If awarded by this agency, will represent the agreement between both parties which a formal contract may be required.

COMPLIANCE:

ARE YOU IN FULL COMPLIANCE WITH ALL ASPECTS OF THE BID SPECIFICATIONS AND ITS REQUIREMENTS?

Yes _____ No _____ If not in full compliance how many exceptions have been taken? _____

If you are not in 100% full compliance than a separate sheet or sheets must be submitted explaining your exception(s) in detail. In addition to your explanation a complete set of detailed construction and option specifications explaining how you are proposing to construct this equipment MUST be included. Not complying with these requirements will cause you bid to be rejected. NO EXCEPTIONS.

DELIVERY:

Proposed delivery date of completed vehicle: _____

Company Office Signature