

Built By Elgin® **X** Designed By You

RELIABLE, SERVICEABLE, SIMPLE.

The Elgin innovation team traversed the country, speaking to hundreds of customers at all levels within the street sweeping industry, both municipal and contractor, in pursuit of true voice-of-the-customer insights. Months of real-world prototype testing and feedback refined the sweeper design to provide customers with exactly what they want and need, while proving the reliability and durability along the way. The input of service technicians, operators, and street sweeping supervisors shaped every detail of the new **RegenX®** mid-dump regenerative air street sweeper. **Easy to use, easy to clean, and easy to maintain** while delivering the quality and proven technology that is the hallmark of Elgin Sweeper products.

The new RegenX was **built by Elgin, but designed by you.**

Why RegenX®

X Available on Non-CDL* 26K GVW Chassis

X Roll-off Dump Height with 50° Dump Angle and 8 yd³ Hopper

- Avoid double-handling, driving back to the facility to dump, and environmental ground-dumping restrictions

X Incredibly Easy to Clean

- Simple hopper – rounded corners and external self-dumping dust separator
- Easy-access washout doors for dust separator and pickup head
- Cable-controlled drop-down screens standard

X Easy to Service

- Easy to access components with locations determined by experienced service technicians
- Bolt-on wear parts wherever possible (dust separator, hopper inlet, etc.)
- Simple design with no control modules for sweeper functions

X Reliable

- Better cleanout and easier serviceability
- Highly efficient dust separator and large screen surface area reduce carryover and sand blasting
- Overall simple design – less moving parts, more uptime

Don't take our word for it – Call your dealer & request a demo!



*May vary based on local rules and regulations

ELGIN
Subsidiary of Federal Signal Corporation

SWEEP SYSTEM

AUXILIARY ENGINE

Make John Deere 4045T
Type 4 cylinder, turbocharged diesel
Displacement 276 cu. in. (4.5 L)
Horsepower 74 (55 kW) @ 2400 RPM
Torque 224 ft-lbs (304 Nm) @ 1600 RPM
Oil Filter Spin-on full flow

Auto Shutdown Low oil pressure, high coolant temp, hydraulic oil level, fuel temp, intake manifold air temp, water-in-fuel, very high soot loading

Electronic Throttle

INSTRUMENTATION / CONTROLS

Rocker Switches central console
Display That Indicates Tachometer, Engine Hour Meter, Oil Pressure, Coolant Temperature

Indicator lamps Full load, screen down, hydraulic oil level
Indicator lamps (when optioned); hopper up, door open, hydraulic oil temp

ELECTRICAL SYSTEM

Voltage 12 volt
Sweeper Engine Alternator 75 amperes

SWEEP SYSTEM – COMPONENTS

GENERAL SPECIFICATIONS

SWEEPING PATH:
Pickup Head Only 90 in (2,286 mm)
Pickup Head & One Side Broom 117 in (2,971 mm)
Pickup Head & Two Side Brooms 144 in (3,658 mm)
Travel Speed Up to highway speed

BLOWER

Drive Direct 2-groove banded power belt with spring-loaded idler belt tensioner
Blower Construction Hardox brand steel
Blower Housing 7 gauge (4.6 mm) Steel

PICKUP HEAD

Length 90 in (2,286 mm)
Head Area Approx. 2,700 in² (17,420 cm²)
Hose Diameters
 - Pressure: 14 in (355 mm)
 - Suction: 13 in (330 mm)
Control Hydraulic raising and lowering
Vacuum Enhancer External, cable-controlled with in-cab lever
Hose Connection Quick disconnect type near pickup head at lower area of suction hose and upper area of suction hose
Hose Construction Flexible rubber steel reinforced

SIDE BROOM

Diameter 42 in (1067 mm)
Disc Construction Steel plate
Speed Constant
Drive Hydraulic motor, protected by relief valve
Mounting Free floating trailing arm
Motion Pneumatically inward/outward, raised/lowered
Adjustment Inward/outward, forward/backward
Digging Pressure/wear control pneumatic in cab
Sweep Position Fully extended or in front of pickup head with optional full retract feature
Type Segment set disposable

HYDRAULIC SYSTEM

Purpose Powers hydraulic motors on side brooms, activates hopper dump cycle, and raises/lowers pickup head
Hydraulic Pump Capacity 7.7 GPM (29 LPM) @ 2500 RPM
Reservoir Capacity 11 gal (42 L)
Filter 10 micron, spin-on type

DEBRIS HOPPER

Volumetric Capacity 8 yd³ (6 m³)
Effective Dump Angle 50°
Dust Separator Self-dumping, centrifugal with cleanout doors

Lifting Hydraulic, two double acting cylinders
Hopper Dump Door Hydraulic open/close and lock/unlock
Hopper Dumping Control
 - Lever on right side of unit
 - In cab dumping controls optional
Hopper Screens Hinged, pneumatic drop down control on right side of unit, steel
Dump Height Minimum of 56 in

SPRAY WATER SYSTEM

Water Tank Construction Polyethylene
Water Tank Capacity 265 gal (1003 L)
Fill Hose 16 ft 8 in (5,080 mm)
Pump Type Diaphragm with run-dry capability with HI or LO selectable pump speeds
Pump Capacity 8 GPM (30 LPM)
Pump Pressure 40 PSI (2.7 bar)
Spray Nozzles (Total of 9)
 - Quick release brass for ease of cleaning or service
 - 3 in suction tube
 - 6 (3 each) side brooms
Controls Hi-Lo off switch in cab
Filter 100 mesh, cleanable
Fittings Prestomatic Push-To-Lok type with thermoplastic tubing

AVAILABLE ENHANCEMENTS

- Dual side broom scrub
- In-cab hopper dump
- Broom hour meter
- Left and right hand toolbox
- Aux. lighting packages
- In-cab side broom tilt
- Variable broom speed
- Auxiliary hydraulic system
- Wandering hose 8 in (203 mm) diameter
- LifeLiner® Hopper System
- Stainless steel hopper
- Hopper inspection door
- Hopper deluge washout system
- Hopper drain
- Centerbroom in pick-up head
- High/low pressure washdown
- Pickup head camera
- Left hand side camera
- Auxiliary water tank capacities
- PM-10 water system
- Extended warranty
- Idle down no water
- Flow blocker
- Hydraulic oil temperature shutdown

PAINT

Powder Coated, standard Elgin white and gray

CHASSIS

Available on conventional and non-CDL chassis - consult factory

WARRANTY

SWEEPER
1 year parts and labor

ENGINE
Consult Factory

Your Elgin Dealer is:



1300 W. Bartlett Rd.
 Elgin, Illinois, U.S.A. 60120
 Phone 847-741-5370
 elginsweeper.com/regenx

2025 Freightliner M2 Chassis Specification-RegenX

CHASSIS:

Manufacturer: Freightliner
Model: M2 106 Plus

Frame:

Type: Rail, High Strength 80 KSI, 15.9 section modulus

ENGINE:

Manufacturer: Cummins
Model: ISB 6.7 200
Cylinders: In-Line 6
Displacement: 409 cu. in. (6.7 L)
Horsepower: 200 (150 kW) @ 2400 RPM
Torque: 600 lb. ft. (814 Nm) @ 1600 RPM
Oil Filter: Full-flow, spin on type
Oil Capacity: 4 us gal. (15 L) with filter
Air Cleaner: high-capacity dry type with safety element & restriction indicator
Fuel Tank Capacity: 50 gal. (189 L) with Fuel Filter

TRANSMISSION:

Allison 2500 RDS 6-speed automatic

ELECTRICAL SYSTEM:

Voltage: 12V
Alternator: 160 Amp.
Battery: Two (2) 12 Volt 1900 CCA Maintenance Free

AXLES:

Front: 12,000 lbs. with 12,000 lbs. (5443 kg) springs
Rear: Single Speed 21,000 lbs. (9525 kg) with 23,000lbs (10,432 kg) taper leaf springs with auxiliary leaf spring
Ratio: 6.43:1
Gross Vehicle Weight Rated (GVWR)-33,000 lbs. (15,000 kg)

BRAKES:

Service:

Type: Full air, anti-lock
Front: 15 in. x 4 in. (38.1 cm x 10.2 cm) drum
Rear: 16.5 in. x 7 in. (42 cm x 17.8 cm) drum
Compressor Capacity: 18.7 CFM

Parking:

Type: Spring set, air release

WHEELS:

Front & Rear: 22.5 in. x 8.25 in. (57.2 cm x 21.0 cm) steel disc type

TIRES:

Front & Rear: 11R 22.5 14 ply radial tires

DUAL STEERING:

Type: Full power hydraulic
Size: 18 in. (457 mm) diameter steering wheel with fixed steering column.

INSTRUMENTS (Dual Operating Positions):

Water temperature gauge, tachometer, speedometer with LH side trip odometer, fuel gauge, voltmeter, air pressure, oil pressure, transmission temperature, diagnostic on the left-hand side and all FMVSS required gauges on the right-hand side.

WARNING LIGHTS AND CHIME:

Low coolant level, high coolant temperature, warning lights and buzzer, low air pressure

SEATS:

RH Seat: Basic High Back Air Suspension RH Seat w/ Mechanical Lumbar and Integrated Cushion Extension & Codura Plus Cloth Cover

LH Seat: Basic High Back Non-suspension LH seat w/ fore and aft adjustment & Codura Plus Cloth Cover

ADDITIONAL FEATURES INCLUDED:

AM/FM/WB Radio w/ Bluetooth, USB, and Aux. Inputs
RH 8" Stainless Steel Fender Mounted Convex Mirror w/ Tripod Bracket
Left and right remote-control west coast mirrors with molded 8in convex mirrors
Air Conditioner
Viscous Fan
Tinted Glass—All Windows
Engine Hour Meter
Electric Horn
Electric Windshield washers with delay
Cruise Control
Auto Shutdown
Blue stripe coolant hoses with constant tension clamps
Bendix air dryer w/heater
750-watt block heater
dual cup holders
12 Volt Power Supply
Front Tow Hooks
Manual Door Locks and Windows

DIMENSIONS (with sweeper mounted):

Wheelbase: 176 in. (4470 mm)
Cab to axle: 110 in. (2794 mm) usable
Overall Length: 290 in. (7366 mm)
Overall Height: 117 in. (2972 mm) w/o beacon
Overall Width: 96 in. (2438 mm)
Dumping Clearance Height: 185 in. (4572 mm)
Turning Radius: 22'6". (6858 mm) (curb to curb)
Travel Speed: 65 MPH



Presents a

Proposal Summary

County of Hawaii

RegenX[®]

Easy to use, easy to clean, easy to maintain.
Mid-Dump Regenerative Air Sweeper.

For





RegenX

Sidebrooms/Steering	Dual Sidebroom/Dual Steering
Domicile	Continental USA
Size of Sidebroom	42
Fuel Type	Diesel

Basic Chassis Info

Source	Elgin
Chassis Brand/Model	2025 M2 Dual Steer
Chassis Mounting Charge	Chassis Mounting Charge

Chassis Equipment

Spare Chassis Key	3
Spare Tire and Rim	1
Seating Options	(Standard) Right Hand Air-ride Cloth Hi-Back
Cab Mounted Convex Mirrors	12" Non-Heated Convex Mirrors
Horn Options	Standard Electric

Brooms

Sidebroom Tilt Option Right Hand	Yes
Sidebroom Tilt Option Left Hand	Yes

Conveyance & Hopper





Stainless Steel screens	Yes
6" Drain	Yes
In-Cab Hopper Dump	Yes
Hopper Coating Systems	None(Painted Only)
Right Mounted Wandering Hose	Yes
Inspection Doors-Right	Right Hand Door

Dust Control & Flush Systems

Fill Hose Length	25'
Quick Disconnect Coupling	Yes

Component Protection

Extra Key Auxiliary Engine	3
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Lighting & Compliance

Lighting	LED Beacons Cab/Front; Hopper Rear with LED Arrowstick
Work and Flood Lights; Individual Rocker Switches	Dual Sidebroom and Dual Rear Lights-LED
Miscellaneous Lighting	(2) Alternating Flashing Rear LED Lights
Triangle Reflective Flares (3)	Yes
LED Stop/Tail/Turn	Yes





Slow Moving Vehicle Sign	Yes
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Manuals and Warranty

Sweeper Warranty	1 Year Parts and Labor
Sweeper: Operators Manuals	2
Sweeper: Parts Manuals	2
Sweeper: Service Manuals	2
Chassis: Operators Manuals	2
Chassis: Parts Manuals	2
Chassis: Service Manuals	2
John Deere Operators Manuals	2
John Deere Parts Manuals	2
John Deere Service (Tech) Manuals	2

Tools/Toolbox

Right Hand Lockable Toolbox	Yes
Fire Extinguishers	5 lbs

Paint & Decal

Paint Sweeper	Standard White
Paint Chassis	Standard White
Elgin Logo	Red Logo





Special request

Qty	Part Number	Description
1		(RFQ 85790)

Chassis Notes :

RegenX

Price indicated includes approved Special Request
Price valid for 30 Days from date of 04-04-2024

Product Model: RegenX
Proposal Date: 04-04-2024
Quote Number: 2024-72711
Price List Date: 03-22-2024

QTY: 1

Customer Initials _____

Proposal Notes:

1. Multiple unit orders will be identical to signed proposal. Changes or deviations to any unit of a multiple unit order will require a new signed proposal.
2. Chassis specifications and data codes for customer supplied chassis must be submitted to and approved by ELGIN prior to submittal of customer purchase order.
3. All prices quoted are in US Dollars unless otherwise noted.
4. This proposal incorporates, and is subject to, Elgin's standard terms and conditions attached hereto and made a part hereof.

Signed By: _____

Date: _____



RegenX
Quote Number: 2024-72711
Date: 04-04-2024

Page 5 of 9
Team Member : Taylor
Waltrip
Tel :



LIMITED WARRANTY

Limited Warranty. Each machine manufactured by ELGIN SWEEPER COMPANY ("ESCO" or the "Company") is warranted against defects in material and workmanship for a period of 12 months, provided the machine is used in a normal and reasonable manner and in accordance with all operating instructions. If sold to an end user, the applicable warranty period commences from the date of delivery to the end user. If used for rental purposes, the applicable warranty period commences from the date the machine is first made available for rental by the Company or its representative. This limited warranty may be enforced by any subsequent transferee during the warranty period. This limited warranty is the sole and exclusive warranty given by the Company.

Exclusive Remedy. Should any warranted product fail during the warranty period, ESCO will cause to be repaired or replaced, as the Company may elect, any part or parts of such machine that the Company's examination discloses to be defective in material or factory workmanship. Repairs or replacements are to be made at the selling Elgin distributor's location or at other locations approved by ESCO. In lieu of repair or replacement, the Company may elect, at its sole discretion, to refund the purchase price of any product deemed defective. The foregoing remedies shall be the sole and exclusive remedies of any party making a valid warranty claim.

The ESCO Limited Warranty shall not apply to (and ESCO shall not be responsible for):

1. Major components or trade accessories that have a separate warranty from their original manufacturer, such as, but not limited to, trucks, engines, hydraulic pumps and motors, tires and batteries.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as, but not limited to, brooms, oils, fluids, filters, broom wire, shoe runners, rubber deflectors and suction hoses.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended by ESCO.
5. Repairs, modifications or alterations without the express written consent of ESCO, which in the Company's sole judgment, have adversely affected the machine's stability, operation or reliability as originally designed and manufactured.
6. Items subject to misuse, negligence, accident or improper maintenance.

NOTE The use in the product of any part other than parts approved by ESCO may invalidate this warranty. ESCO reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty. Nothing contained in this warranty shall make ESCO liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

THIS WARRANTY SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE DISCLAIMED.

This warranty is in lieu of all other obligations or liabilities, contractual and otherwise, on the part of ESCO. For the avoidance of doubt, ESCO shall not be liable for any indirect, special, incidental or consequential damages, including, but not limited to, loss of use or lost profits. ESCO makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine. No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of ESCO in connection with the sale, servicing or repair of any machine manufactured by the Company. Any legal action based hereon must be commenced within eighteen (18) months of the event or facts giving rise to such action.

ESCO reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.

ELGIN SWEEPER COMPANY
1300 W. Bartlett Road
Elgin, Illinois 60120



11-20-2007





TERMS AND CONDITIONS

ORDERS: All orders are subject to acceptance by Elgin Sweeper, Inc. (hereafter referred to as Elgin). Orders for products not normally carried in stock or requiring special engineering or manufacturing is in every case subject to approval by Elgin's Management.

PRICES: All orders are subject to current prices in effect at the time of order acknowledgment. F.O.B. Point: Unless otherwise stated, all prices listed are F.O.B. factory. Elgin reserves the right to increase the order price set forth in this Proposal Summary at any time before delivery to Buyer to reflect any increase in Elgin's costs to manufacture or deliver the ordered product due to any factor beyond the reasonable control of Elgin. Elgin shall provide Buyer with prompt electronic notice of any such price increase. Buyer shall have five days from receipt of such notice to cancel its order, absent which Buyer shall be deemed to have consented to the price increase.

PAYMENT TERMS: The company's payment terms are due upon receipt, unless otherwise stated. However, until such time as Elgin receives full payment, Elgin shall maintain a purchase money security interest in the product.

CANCELLATION: Orders cannot be canceled except upon terms that will compensate Elgin for any loss or damage sustained. Such loss will be a minimum of 10% of the purchase price.

SHIPMENT: All proposals are based on continuous and uninterrupted delivery of the order upon completion, unless specifications distinctly state otherwise. In the event that agreement is reached for Elgin to store completed items, they will be immediately invoiced to the customer and become due and payable. Storage shall be at the risk of the customer and Elgin shall be liable only for ordinary care of the property.

STORAGE CHARGES: Elgin shall charge the customer at current rates for handling and storing customer's property (e.g. truck chassis) held for more than thirty (30) days after notification of availability for shipment. All customer's property, or third party's property, that is stored by Elgin is at the customer's or other party's risk. Elgin is not liable for any loss or damage thereto caused by fire, water, corrosion, theft, negligence, or any caused beyond its reasonable control.

PERFORMANCE: Elgin shall not be liable for failure to complete the contract in accordance with its terms if failure is due to wars, strikes, fires, floods, accidents, delays in transportation or other causes beyond its reasonable control.

EXPERIMENTAL WORK: Work performed at customer's request such as sketches, drawings, design, testing, fabrication and materials shall be charged at current rates.





SKETCHES, ENGINEERING DRAWINGS, MODELS, and all preparatory work created or furnished by Elgin, shall remain its exclusive property; and no use of same shall be made nor may ideas obtained therefrom be used except with the consent of and on terms acceptable to Elgin.

TAXES: Buyer's final cost shall include all applicable sales and use taxes, including all sales and use taxes attributable to any changes made to Buyer's initial order placed hereunder or to any changes to applicable sales and use tax laws. However, Elgin Manufacturing, Inc. shall be responsible for Federal Excise Tax(F.E.T.) unless it is separately stated on the invoice and added to the selling price. If F.E.T. is not separately stated on the invoice it has not been included in the price and Elgin will pay any F.E.T. due itself and bear the cost of the tax. Any refunds or adjustments to the F.E.T. in such cases belong to Elgin.

PRODUCT IMPROVEMENTS: Elgin reserves the right to change manufacturing specifications and procedures in accordance with its product improvement policy.

MOUNTING PRICES: Mounting prices assume normally factory installation on a truck chassis suitable for the unit purchased. Relocation of batteries, fuel tanks, mufflers, air tanks, etc. will be an additional charge, billed at the standard factory labor rate.

WARRANTY: Elgin warrants its products to be free from defects in material and workmanship for a period of 12 months, subject to the limitations and conditions set forth in its current published warranty. Other than those expressly stated herein. THERE ARE NOT OTHER WARRANTIES OF ANY KIND EXPRESS OR IMPLIED, AND SPECIFICALLY EXCLUDED BUT NOT BY WAY OF LIMITATION, ARE THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MECHANABILITY.

IT IS UNDERSTOOD AND AGREED THE ELGIN'S LIABILITY WHETHER IN CONTRACT, IN TORT, UNDER ANY WARRANTY IN NEGLIGENCE OR OTHERWISE SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY THE PURCHASER AND UNDER NO CIRCUMSTANCES SHALL ELGIN BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE PRICES STATED FOR THE EQUIPMENT IS A CONSIDERATION IN LIMITING ELGIN'S LIABILITY. NO ACTION REGARDLESS OF FORM, ARISING OUT OF THE TRANSACTION OF THE AGREEMENT MAY BE BROUGHT BY PURCHASER MORE THAN ONE YEAR AFTER THE CAUSE OF ACTION HAS OCCURRED.

ELGIN'S MAXIMUM LIABILITY SHALL NOT EXCEED AND BUYER'S REMEDY IS LIMITED TO EITHER (I) REPAIR OR REPLACEMENT OF THE DEFECTIVE PART OF PRODUCT, OR AT ELGIN'S OPTION (II) RETURN OF THE PRODUCT AND REFUND OF THE PURCHASE PRICE AND SUCH REMEDY SHALL BE BUYER'S ENTIRE AND EXCLUSIVE REMEDY.

CHOICE OF LAW: These Terms and Conditions shall be construed according to the laws of the State of Illinois. Failure at any time by Elgin to exercise any of its rights under this agreement shall not constitute a waiver thereof nor prejudice Elgin's right to enforce it thereafter.





COMPLETE AGREEMENT: These terms and conditions, contain the complete and final agreement between the parties hereto and no other agreement in any way modifying any of these terms and conditions will be binding on Elgin unless in writing and agreed to by an authorized representative of Elgin. All proposed terms included in Buyer's purchase order or other standard contracting documents are expressly rejected.

I agree with the above terms and conditions:

Signed By: _____

Date: _____



ITEM 6 **SPECIFICATIONS**

General
the ElginRequirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

Bidder's Exceptions

Engine:	Diesel, turbo-charged, electronic, 200 gross minimum HP @ rated RPM, 520 ft-lb torque, liquid cooled, increased capacitycooling; high capacity dry-type air cleaner, w/ safety element & dash mounted air restriction gauge, fuel/water separator (spin-on type); low oil pressure/high water temperature warning light/buzzer; tachometer or RPM gauge; silicone hoses; electric engine shutdown (key operated); fuel filter (spin-on type); full flow oil filter; block heater; equipped with vertical after treatment device, dual cans, RH/LH mounted, vertical tailpipe behind cab; diesel emissions shall be EPA emission compliant with on-board diagnostics (OBD), GHG certified
Transmission:	Allison 2500RDS series or equal, 6-speed automatic, heavyduty oil cooler, external spin on type oil filer
Axles, Front:	12,000 lbs. capacity, minimum
Rear:	21,000 lbs. capacity, minimum
Ratio:	Single speed rear axle shall have a ratio of 6.43:1 for proper sweeping speeds
Wheels:	7 each, manufacturer's standard, 10-stud wheels.
Tires:	7 each, 11R22.5 Radial 14-ply tubeless type truck tires, Load Range G Highway tread.
Service Brakes:	Air, with gauge and low pressure warning light/buzzer; Bendix ABS, 15" x 4" front drum and 16.5" x 7" rear drum;front and rear automatic slack adjusters, Bendix AD-IP or equal air dryer with heater, 18.7cfm air compressor.
Parking Brakes:	Spring set, air release
Wheelbase:	176", maximum; cab to axle 110", maximum
Turning Radius:	22'6" (curb to curb)

YES

ITEM 6 -CONTINUED

General
the Elgin Requirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

Bidder's Exceptions

Cab: Conventional hood, all glass tinted, floor mats, full power steering with dual operator controls, basic high back air suspension RH seat with mechanical lumbar and integrated cushion extension & Codura plus cloth cover, basic high back non-suspension LH seat with fore and aft adjustment & Codura plus cloth cover, 8" outside RH fender mirror, center sweeper control console, AM/FM Radio with bluetooth, dual electronic horns.

Steering: Dual steering, full power hydraulic, 18in. diameter steering wheel with fixed steering column.

Interior
Climate: Standard air conditioning

Operator Seat: Basic high back air suspension RH seat with mechanical lumbar and integrated cushion extension and three-point seat belt.

Passenger
Seat: Basic high back air suspension LH seat with mechanical lumbar and integrated cushion extension and three-point seat belt.

Windows: Power type windows

Mirrors: Two (2) heated west coast, remote type side view mirrors with lower 8" convex lens for easy viewing of the side broom during sweeping

Locks: Keyed door locks

Electrical: 12-volt system; dual battery system, 1,900 minimum combined CCA maintenance free; 160 amp minimum alternator; multi-beam halogen head-lights, stop lights, tail lights, backup lights, license plate lights, clearance lights, signal lights, illuminated gauges and instrument panel, and directional lights with hazard switch.

ITEM 6 -CONTINUED

General
the Elgin Requirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

Bidder's Exceptions

Warning Lighting: Side brooms, rear clearance, LED amber strobe on rear, cab mounted amber & white alternating, combination (amber, white, amber, white) LED light bar, with programmable rate of 2, 3, 4 or 5 pulses and LED flashers. Whelen Edge Ultra Freedom type, FV WeCan Super-LED series or approved equivalent, 4 corner LED (amber & white combination) modules, 8 Super-LED (amber & white combination, alternating) modules.

Rear Lighting: LED Signalmaster Arrowstick, or approved equal, shall be mounted on middle to upper section of vehicle rear to maximize visibility to approaching vehicles from rear of vehicle. Arrowstick or arrowboard shall include 8 individual LED lights, an in-cab controller, and available flashing pattern including: left, right, center-out, and flashing warning."

Gauges: Voltmeter, speedometer, odometer, fuel, oil pressure and water temperature - all numeric type; low coolant level; warning lights and buzzer, low air pressure.

Windshield: Tinted glass; wipers with intermittent feature and washer.

Sweep System

Sweeper Engine: Auxiliary diesel, similar or equal to John Deere 4045T4F, 4 cylinder, turbo-charged, dynamically counter balanced 276 CID must be EPA Tier 4F and CARB emission compliant; sweeper system power-driven by an auxiliary engine; HP shall not be higher than 74 @ 2400 RPM; Auxiliary engine shall drive the blower "fan" via heavy-duty (2) "v" groove power belt, with dual safety element; 50/50 mixture anti-freeze/water for operation; no control modules required for sweeper functionality; fluid coupler installed between auxiliary engine and power belt.

Horsepower: 74 hp @ 2400 RPM

Torque: 224 lb-ft @ 1600 RPM

ITEM 6 -CONTINUED

General
the Elgin Requirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

Bidder's Exceptions

Blower: Driven via (2) "V" groove power belt with spring-loaded tensioner, shall no exceed 3050 RPM to minimize strain on drive system while still effectively conveying the bulk of material into debris hopper; 33 3/8 in. diameter with 9 vanes constructed of Hardox steel; constructed using robotic arc welder with minimum .0225 repeatability; Blowers constructed of cast aluminum are not acceptable; housing must have inspection door; belt tension to not exceed 20 hz; to include Flow Blocker feature which provides automatic enhanced dust control.

Pickup Head

Head: Spring supported; all steel fabricated

Length: 30"

Wide: 90"

Head Area: 2700 square in.

Suction Hose
Diameter: Minimum 13"

Pressure Hose
Diameter: Minimum 14"

Control: Hydraulic raised and lowered via rocker switch

Hose connection: Quick disconnect type

Side Brooms

Brooms: Pneumatically raised, lowered and suspended; hydraulic motor drive shall provide not less tha 6045 in-lbs of torque. Sidebroom tilt option – RH side.

ITEM 6 -CONTINUED

General
the Elgin Requirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

Bidder's Exceptions

Diameter: 42"

Drive: Hydraulic driven rotation

Mounting: Free floating trailing arm of parallelogram design

Type: Segment set disposable

Hopper

Capacity: 8 cubic yards

Construction: 10-gauge steel sides, and ¼ in. steel floor.

Dumping: Rear door

Rear Door: Locked by (2) hydraulic cylinders; hopper door shall open first prior to tilting the hopper; Opens at minimum of 100-degree angle; includes automatic locking pin mechanism for optimal sealing; includes external door prop; seal shall be water resistant heavy duty reinforced D style rubber seal.

Hopperlift &
Dump Controls: Weatherproof toggle switches, in-cab dump switches; Hopper raise/lower and hopper door open/close.

Dust Separator: Centrifugal style; self-opening, steel door.

Dump Angle: 50-degree minimum.

Hopper Screens: Single assembly, drop down type; uses centrifugal force to rotate air and debris with a skimmer slot to capture debris; weight 220 lbs.; Total surface area of 3970 square inches; Not less than 11-gauge steel; screen shall be hinged and easily lowered via a pneumatically controlled cable drop-down system.

Construction: Inlet shall be bolt-on design.

ITEM 6 -CONTINUED

General
the Elgin Requirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

***Bidder's
Exceptions***

Instrumentation/ Controls:

Central Console: Stationary, visible from either right or left positions.

Controls: Illuminated, sweep, spray water, lighting functions, auxiliary engine ignition and throttle, side broom down pressure, sweep/resume feature.

Instruments: Tachometer, hour meter, oil pressure, fuel, voltage, coolant temperature, auxiliary engine air intake restriction gauge, water level, sweeping mode, transport, raised hopper indicator, open hopper door indicator, full hopper indicator.

Electrical (Sweeper):

Reversing Safety: Electric back-up alarm when in reverse.

Camera System: Rear facing back-up camera and pick up head camera.

Wiring: Wiring harness shall be color-coded and "function stamped" with appropriate circuit name every four inches; all electrical circuits must be protected by automotive style blade fuses.

Lighting: Shall include rear identification lights and rear clearance lights; warning lights shall include hopper up and hopper door open (when equipped with in-cab tilt), screen down, and hopper full load. Dual sidebroom and Rear Flood lights – LED Type.

Sweeper Hydraulic System:

Capacity: 7.0 GPM @ 2100 RPM and 8.3 GPM @ 2500 RPM,

Reservoir
Capacity: 11 gallon minimum with exterior sight gauge.

ITEM 6 -CONTINUED

General
the Elgin Requirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

***Bidder's
Exceptions***

Operating
Temperature: Operates below 200 degrees.

Water Spray System:

Tank: 265-gallon, rust proof polyethylene.

Pump: 2 available flow rates, selectable by operator. (1) electric 12-volt,
diaphragm type, run-dry capability.

Pump Capacity: 4 GPM

Pump Pressure: 40 PSI

Spray Nozzles: (3) located on each side of broom. (3) removable located at lower
portion of suction hose.

Controls: In cab control.

Fill Hose: 16-ft. 8 inch with NST coupling with strainer.

Sweeping Path:

Pickup Head
Only: 90"

Pickup Head &
One Side Broom: 117"

Pickup Head &
Two Side Brooms: 144"

Travel Speeds: Up to highway speeds

ITEM 6 -CONTINUED

General
the Elgin Requirement:
GVW

One (1) Street Sweeper, similar or equal to
Regen X or latest production model, 33,000

**Bidder's
Exceptions**

Miscellaneous:

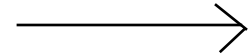
Sweeper operator and parts manual – (2) sets each
Chassis operator, parts, and service manual – (2) sets each

5 lbs. fire extinguisher mounted in cab

Reflector triangle kit mounted in cab (3)

Slow moving vehicle sign

Left-hand toolbox & Right-hand toolbox mounted



NO

25-ft fill hose

YES

High pressure washdown

Hydraulic heavy-duty wandering hose

RH Inspection door on Hopper body

Stainless Steel Screens

6" Hopper Drain

Warranty:

Manufacturer's warranty shall not be less than one (1) year on entire
sweeper including all parts and labor.

Manufacturer's warranty shall not be less than three (3) years on
chassis engine including all parts and labor.

Manufacturer's warranty shall not be less than lifetime protection
against rust-through of the water tank.

Training:

Vendor shall provide training for equipment and sweeper system.
Training shall be One (1) hour minimum classroom & Two (2) hr
Minimum hands on.
Training shall be scheduled with Highways Division.