

Resolution No. 2988

A Resolution of the City of Sanford, Florida, amending the City's annual operating budget for the fiscal year beginning October 1, 2020 and ending September 30, 2021; providing for implementing administrative actions; providing for a savings provision; providing for conflicts; providing for severability and providing for an effective date.

Whereas, the Commission of the City of Sanford, Florida has adopted an annual operating budget for the fiscal year beginning October 1, 2020 and terminating on September 30, 2021 specifying certain projected revenues and expenditures for the operations of Sanford municipal government; and

Whereas, the City's budget presumes that each department generally will, to the best of their ability, maintain its expenditures within its allocated budgeted level and exercise prudence in expending funds during the course of the City's fiscal year; and

Whereas, from time-to-time circumstances and events may require that the original City budget may need revision; and

Whereas, the City Commission, in its judgment and discretion, has the authority to adjust the budget to more closely coincide with actual and expected events.

Now, therefore, be it adopted and resolved by the City Commission of the City of Sanford, Florida as follows:

Section 1. Adoption of Budget Amendment.

The annual operating budget of the City of Sanford for the fiscal year beginning October 1, 2020 and terminating on September 30, 2021 is hereby revised and amended by Attachment "A". The Attachment is hereby incorporated into this Resolution as if fully set forth herein verbatim. Except as amended herein, the annual operating budget for the City of Sanford for fiscal year beginning October 1, 2020 and

terminating on September 30, 2021 shall remain in full force and effect.

Section 2. Implementing administrative actions.

The City Manager, or designee, is hereby authorized and directed to implement the provisions of this Resolution by means of such administrative actions as may be deemed necessary and appropriate.

Section 3. Savings.

The prior actions of the City of Sanford relating to the adoption of the City budget and related activities are hereby ratified and affirmed.

Section 4. Conflicts.

All resolutions or parts of resolutions in conflict with this Resolution are hereby repealed.

Section 5. Severability.

If any section, sentence, phrase, word, or portion of this Resolution is determined to be invalid, unlawful or unconstitutional, said determination shall not be held to invalidate or impair the validity, force or effect of any other section, sentence, phrase, word, or portion of this Resolution not otherwise determined to be invalid, unlawful, or unconstitutional.

Section 6. Effective Date.

This Resolution shall become effective immediately upon enactment.

Passed and adopted this 27th day of September, 2021.

Attest:

City Commission of the City of
Sanford

Traci Houchin

Traci Houchin, MMC, FCRM
City Clerk

Cathy Lotempio Deputy City Clerk

For use and reliance of the Sanford
City Commission only.

Approved as to form and legality.

Art Woodruff

Art Woodruff, Mayor

William Colbert

William Colbert, City Attorney



ATTACHMENT A REQUEST FOR BUDGET AMENDMENT

Fiscal Year 20/21
Department: Public Works

Division: Stormwater

9/15/2021

CHANGES IN REVENUES

REVENUE ACCOUNT NUMBER					Current	Current	Amount of	Adjusted	
Fund	Revenue	Act Cd	Ele	Project #	Budget	Balance	Change	Unrealized	
402	0000	389	98	00	Use of Reserves	\$ 2,152,791	\$ 2,152,791	\$ 260,055	2,412,846
TOTAL CHANGES IN REVENUES							\$ 260,055		

CHANGES IN EXPENDITURES

EXPENDITURE ACCOUNT NUMBER					Current	Current	Amount of	Remaining	
Fund	Dpt/Div	Activity	Obj	Ele	Project #	Budget	Balance	Change	Balance
402	4045	541	64	00	Stormwater Machinery and Equipment	\$ 468,891	86,921	260,055	346,976
TOTAL CHANGES IN EXPENDITURES							\$ 260,055		

REASON FOR AMENDMENT: Procurement of an Elgin Crosswind Street Sweeper

DIRECTOR APPROVAL: *[Signature]*

DATE: 9/15/21

FINANCE APPROVAL: *[Signature]*

DATE: 9/14/21

CITY MANAGER APPROVAL: *[Signature]*

DATE: 9.15.2021

CITY COMMISSION AGENDA DATE: 09.27.2021

APPROVED YES

FOR FINANCE USE

Entry Date: 10/21/2021
S. Posey

Batch Number: B# 5630

Document #: BA 12-105
Res #: 2988
CCM #: 21-204

BID AWARD

CONTRACT FSA20-EQU18.0

HEAVY EQUIPMENT

Contract Term:

October 1, 2020– September 30, 2023

Cooperative Purchasing Program

Coordinated By

**The
Florida Sheriffs Association
&
Florida Association of Counties**







Protecting, Leading & Uniting...since 1893

FLORIDA SHERIFFS ASSOCIATION

2617 Mahan Drive, Tallahassee, Florida 32308
P.O. Box 12519 • Tallahassee, Florida 32317-2519

p: (850) 877-2165
f: (850) 878-8665
www.flsheriffs.org  

Date: October 1, 2020

To: All Perspective Participants

From: Steve Casey, Executive Director
Craig Chown, CPP Manager

Re: Contract Number FSA20-EQU18.0 Heavy Equipment

We are pleased to announce that the Florida Sheriffs Association has successfully completed its 18th cooperative competitive bid for heavy trucks. This contract is in effect beginning October 1, 2020 through September 30, 2023.

This year's bid award included 404 specifications and makes and models for heavy trucks.

The competitive process for this award began in April 2020, when stakeholders were surveyed regarding procurement needs. Specifications were developed based on prior year activity and new additions were added based on survey results and the Fleet Advisory Committee's review of products.

An advertisement of the Invitation to Bid was placed within the FSA website and Florida Administrative Weekly on April 22, 2020. On June 2, 2020, a direct notification was sent to 511 prospective bidders to register for qualification to participate in the bid process for heavy trucks and heavy equipment. From this ITB, 206 bidders responded to the pre-bid meeting registration or request for qualified waiver for FSA approval. Of these respondents, 84 submitted bids and 79 qualified, responsive bidders were awarded after a review by the FSA and the FSA Fleet Advisory Committee.

The Florida Sheriffs Association Cooperative Purchasing Program has followed the Contract Terms and Conditions to procure this contract.

Contract prices are extended and guaranteed to any local government or political subdivision of the state, public educational institutions, other public agencies or authorities with the State of Florida, and other entities approved by the manufacturer to participate in this contract.

Out of state sales are permitted under this contract. All purchasers are bound by their local governing purchasing ordinances, rules and regulations. All awarded vendors are governed by their manufacturer agreements and the Contract Terms and Conditions.

List of Awarded Vendors in Alphabetical Order for FSA20-VEH18.0 Heavy Equipment:

1. ACF Standby Systems, LLC
2. AG-PRO LLC
3. ALAMO GROUP (TX) INC
4. Aljon By C&C Manufacturing
5. Alta Construction Equip. Florida, LLC
6. Ameri-Recreational Sports, LLC
7. Applied Concepts, Inc.
8. ARI Phoenix, Inc.
9. ATMAX Equipment Co
10. Bandit Industries
11. BBA PUMPS
12. Beck Chrysler Dodge Jeep
13. Bush Hog, Inc
14. CDPW, Inc.
15. Certified Lift Installation & Maint. Corp
16. CLARK EQUIPMENT COMPANY
17. Club Car LLC
18. Container Systems & Equip. Co., Inc.
19. Cowin Equipment Company
20. Crimson Technology Products, LLC
21. DeLand Truck Center, Inc.
22. Dobbs Equipment, LLC
23. Doosan Infracore North America LLC
24. Embankscape Equipment LLC
25. Energreen America Inc
26. Environmental Products Group, Inc.
27. Envision Solar International Inc.
28. Everglades Equipment Group
29. Federal Contracts Corp
30. Florida Coast Equipment, Inc.
31. Futch`s Tractor Depot, inc
32. GapVax, Inc.
33. Genset Services, Inc.
34. Glade & Grove Supply Co LLC
35. Great Southern Equipment Co.
36. Green Thumb Palm Beach
37. Holland Pump Company
38. Humdinger Equipment, Ltd.
39. Jeffrey-Allen Inc.
40. JOBBERS EQUIPMENT WAREHOUSE INC
41. K&K Systems, Inc.

List of Awarded Vendors in Alphabetical Order for FSA20-VEH18.0 Heavy Equipment (Continued):

42. Kelly Tractor Co
43. L.J. POWER, Inc.
44. Linder Industrial Machinery
45. McKibben Motorsports LP, Inc
46. McKibben Powersports, Inc
47. Menzi USA Sales, INC.
48. Mersino Dewatering
49. Mid Florida Diesel, Inc
50. MTD Products Company
51. MWI Corporation
52. National Equipment Dealers, LLC
53. Pantropic Power
54. Pat`s Pump & Blower
55. Power & Pumps, Inc.
56. Rechten International Trucks, Inc.
57. RhinoAg, Inc.
58. RIDGE EQUIPMENT CO., INC.
59. Ring Power Corporation
60. Sewer Equipment Co. of America
61. Southern Sewer Equipment Sales
62. Southern States ToyotaLift
63. STERTIL-KONI USA INC.
64. Striping Service and Supply, Inc.
65. Sun State International Trucks
66. Texas Trailers Sales and Service
67. Thompson Pump & Mfg Co Inc
68. Tom Evans Environmental, Inc.
69. Tradewinds Power Corp.
70. Trucks & Parts of Tampa, LLC
71. Vac-Con, Inc.
72. Vehicle Service Group, LLC.
73. VENTURE PRODUCTS INC.
74. Vermeer Southeast Sales
75. Vetted Security Solutions
76. Warren Equipment Inc
77. Weedoo Greenboat, Inc.
78. Xylem Dewatering Solutions, Inc.
79. Zabatt Power Systems

PROPOSAL SUMMARY

Prepared for: City of Sanford



2021 Elgin Crosswind J1 Street Sweeper

Crosswind J1 Regenerative Air Sweeper with Single Engine Design



City of Sanford
Russ Sheibenberger
Bill Getman
September 14th, 2021

Elgin Street Sweepers

Environmental Products would like to thank you for the opportunity to present the **Elgin Crosswind J1 Single Engine Street Sweeper**.

Environmental Products Group is the sole provider of Elgin Street Sweeping Equipment in the State of Florida, as well as many other leading industry product lines including: Vactor Sewer Cleaners, Envirosight Pipeline Inspection Cameras, Labrie Refuse Equipment, Petersen Grapple Loaders, PB Asphalt Pothole Patchers, Madvac Sweepers and Vacuums, and a host of parts, tools and accessories for all your needs.

Environmental Products Group prides itself on our local parts, service, and training capabilities. With multiple full-service locations throughout Florida, Georgia, and Memphis, Tennessee; including Vactor, Elgin, and Envirosight repair centers, extensive parts inventory, factory-trained technicians, mobile parts and service, rentals, turnkey maintenance packages, leasing options, and much more... we are ready to service your every need.

EP Rents is a division of Environmental Products Group, EP Rents specializes in rental trucks when you need them. With a large inventory of Vactor Sewer Cleaners and Trailer Jetters, Elgin Sweeper, Envirosight Pipeline Inspection Cameras, Petersen Grapple Loaders. Call us for any of your rental needs.

Thank you for your consideration.

Product Description

- Single Engine Crosswind equipped with Memory Sweep; 8.0 Cubic Yard Hopper, right and left side brooms, sweeper is powder coated White with a powder coated gray undercarriage.

Standard Features

- Alternator, 95 amp
- Backup Alarm, electric
- Blower, 20,000 CFM rating with Linatex lined housing
- Brooms, hydraulic rotation
- Brooms, Dual
- Broom Measurement Ruler
- Console, w/rocker switches for all sweep functions, including memory sweep with full gauge package including tachometer, engine hour meter, oil pressure indicator, coolant temperature, voltmeter and fuel level indicator, water level gauge and warning lights for hopper pressure controls and manual reset circuit breakers
- Doors, access fiberglass doors provide easy service and maintenance on auxiliary engine, hydraulic and electrical system
- Electronic Throttle, sweep resume/sweep transport/reverse pick-up
- Hopper rear door hydraulically opened/closed and locked/unlocked with external controls.
- In-Cab Hopper Dump
- LED Clearance Lights
- Lights, rear clearance and rear identification
- Manuals, operator and parts
- Pick-up head, hydraulically operated, 14" (355 mm) outside diameter pressure hose, 12-3/4" (324mm) inside diameter suction hose with quick disconnect on suction side
- Spray nozzles, sixteen (16), seven (7) in the pick-up head, three (3) in the suction nozzle, three (3) at each side broom
- Side Broom Outer Position Stop
- Trans Oil Cooler
- Water tank, molded polyethylene, 240 gallons (907L)
- Water pre-filter, hydrant fill hose
- AM/FM/CD Radio



- Left Hand Fender Mirror
- Right and Left Hand Heated and Remote-Controlled Mirrors
- Standard Electric Horns
- Sweeper Painted Standard White
- Chassis Painted Standard White
- Red Logo
- 1 Year Parts and Labor Warranty
- Sweeper - Operator Manual
- Sweeper Parts Manual

Additional Features

- Memory Sweep
- Steel Bristles with Polyethylene Segments Sidebrooms
- Sidebroom Tilt - Right Hand
- Sidebroom Tilt - Left Hand
- Hopper Liner with Lifetime Warranty
- Stainless Steel Hopper Screens
- Right Hand Inspection Door with Step and Handle
- Hose, hydrant fill, 25" with coupling
- Front Spray Bar
- Functional Control of Water System
- Vacuum Enhancer In-cab control with display
- Hopper Deluge
- 6" Hopper Drain
- Hydraulic Oil Level Gauge W/Thermometer on Tank
- Auxiliary Hydraulic Pump
- Idle Down / No Water
- Automatic Flow Blocker
- Two (2) Alternate Flashing LED Amber Strobes on Rear Door
- Dual LED Sidebroom and Rear LED Flood Lights
- Individual Switches for Dual Sidebroom & Rear Flood Lights-Led
- Hydrant Wrench
- 2.5 Lb. Fire Extinguisher
- Sweeper Service Manual



ENVIRONMENTAL
PRODUCTS GROUP

Chassis Options

- 2021 Freightliner M2, 33,000 GVWR
- Cummins L9, 260 HP Engine
- Allison 3500 Automatic Transmission
- Mirrors, West Coast type with 12" convex mirrors
- LED Stop/Tail/Turn
- Dual Air Ride Seats with Armrests
- In-Cab Air Filter Gauge
- Low Step and Handle for Easy Access to Cab

FSA20-EQU18.0, ITEM #385 PRICE: \$260,055.00

Please don't hesitate to call or write with any questions or concerns. Thank you for the opportunity!

Thank You,



Nick Causey

Territory Sales Manager

Environmental Products Group, Inc.

C: 904.537.8799 | O: 407.798.0004

W: www.myepg.com



FSA20-EQU18.0, Item #385

2021 CROSSWIND - PETERBILT

Equipped with MemorySweep®, Tier 4F emissions, John Deere 4045, Turbocharged diesel engine, 8.0 cu. Yd. Hopper, right and left side

2021 PETERBILT DUAL STEER MODEL 220

PETERBILT CHASSIS- CHASSIS ALTERATIONS

PAINT CAB STANDARD WHITE

PAINT SWEEPER STANDARD WHITE

CROSSWIND PARTS MANUAL

CROSSWIND OPERATORS MANUAL

Patented Shared Power System

Alternator, 95 amp

Auto Shutdown, Aux. Engine

Backup Alarm, electric

Blower, HARDOX®500 steel with linatex lined housing

Brooms, hydraulic rotation

Brooms, Dual

Camera, rear mounted

Console, w/rocker switches for all sweep

functions, with full

gauge package including tachometer, engine

hour meter, oil pressure indicator, coolant

temperature, voltmeter and fuel lever indicator,

water level gauge and warning lights for hopper

"up", hopper rear door "open" and hopper "full",

with auxiliary engine, RPM control, side broom down

pressure controls and automotive style blade fuses

Doors, access fiberglass doors provide easy

service and maintenance on auxiliary engine,

hydraulic and electrical system

Electronic Actuated Throttle, sweep resume/sweep

transport/reverse pick-up

Fuel Water Separator on Aux Engine

MEMORY SWEEP

AUTOMATIC FLOW BLOCKER

ELGIN CROSSWIND

BROOM MEASUREMENT RULER

16'8" WATER FILL HOSE

MACHINE DELIVERY PACKET

ELGIN SAFETY MANUAL

Hopper rear door, hydraulically opened/closed and

locked/unlocked with external manual controls

Hose, hydrant fill, 16'8" (5080 mm) with coupling

LED Clearance Lights

Lights; rear clearance and rear identification

Manuals, operator and parts

Mirrors, West Coast type with 8"

convex inserts, one each side

Pick-up head, hydraulically operated,

14" (355 mm) outside diameter pressure hose,

12-3/4" (324mm) inside diameter

suction hose with quick disconnect on suction side

Water system; one (1) rocker switch with HI / LOW setting,

with manual valves for water control

Spray nozzles, sixteen (16), seven (7) in the

pick-up head, three (3) in the suction

nozzle, three (3) at each side broom

Side Broom Outer Position Stop

Trans Oil Cooler

Vacuum enhancer, external manually operated

Water tank, molded polyethylene, 240 gallons (907L)

Water pre-filter, hydrant fill hose

2 1/2 LB. FIRE EXTINGUISHER

FREIGHT - FLORIDA

RED LOGO/CROSSWIND

FSA PRICE

\$ 262,094.00

Part Number	Description	Quantity	Price Per	Total
Downgrade Options				
1127252	CROSSWIND SINGLE ENGINE FREIGHTLINER M2	1	(\$30,081)	\$ (30,081.00)
Upgrade Options				
119215	VACUUM ENHANCER	1	\$ 534	\$ 534.00
1120887	AMBER STROBER (EACH)	2	\$ 1,017	\$ 2,034.00
1120824	INDIVIDUAL SWITCHES FOR DUAL REAR FLOOD LIGHTS-LED	1	\$ 674	\$ 674.00
1092227	HOPPER LINER SYSTEM	1	\$ 8,611	\$ 8,611.00
1121515	AUXILIARY HYDRAULIC SYSTEM	1	\$ 1,494	\$ 1,494.00
1071234	STAINLESS STEEL HOPPER SCREENS	1	\$ 1,691	\$ 1,691.00
1085887	6" HOPPER DRAIN	1	\$ 892	\$ 892.00
1059209	HOPPER DELUGE	1	\$ 1,121	\$ 1,121.00
1111176	GUTTER BROOM TILT WITH IN-CAB DISPLAY PER SIDE	2	\$ 1,121	\$ 2,242.00
1119059	***IN-CAB HOPPER DUMP	1	\$ 880	\$ 880.00
1121824	IDLE DOWN/NO WATER - DUAL SIDEBROOMS	1	\$ 659	\$ 659.00
1120822	DUAL LED SIDE BROOM LIGHTS	1	\$ 830	\$ 830.00
1110823	FUNCTIONAL CONTROL OF WATER SYSTEM	1	\$ 809	\$ 809.00
1127045	RH INSPECTION DOOR AND STEP	1	\$ 856	\$ 856.00
1070639	LED/STOP/TAIL/REAR TURN LIGHT	1	\$ 690	\$ 690.00
1111698	FRONT SPRAY BAR	1	\$ 617	\$ 617.00
0702485	SERVICE MANUAL	1	\$ 100	\$ 100.00
1072485	AM/FM/CD RADIO	1	\$ 986	\$ 986.00
1082931	AIR RESTRICTOR GAUGE	1	\$ 1,058	\$ 1,058.00
Unpublished Options				
L00001	HYDRANT WRENCH	1	\$ 34.00	\$ 34.00
1061886	HYDRAULIC LEVEL & TEMP ALARM	1	\$ 195.00	\$ 195.00
2215577	LOW STEP AND HANDLE	1	\$ 1,035.00	\$ 1,035.00
TOTAL PRICE PER FLORIDA SHERIFF'S CONTRACT #FSA20-EQU18.0, SPECIFICATION #057				\$ 260,055.00

ELGIN[®]

Subsidiary of Federal Signal Corporation

CROSSWIND[®]



IMPROVED OPERATOR EXPERIENCE • EASE OF MAINTENANCE • SAVES TIME/COST



PROVEN SINGLE-ENGINE REGENERATIVE AIR SWEEPER

Searching for a solution that eliminates maintaining and servicing an auxiliary engine on a regenerative air sweeper? Elgin Sweeper Company has the answer. The Crosswind1® eliminates all things associated with a diesel auxiliary engine, providing value to customers that extends beyond having one less engine. The Crosswind1 has undergone years of customer focused testing and validation; ensuring a design that exceeds expectations!



APPLICATION SOLUTIONS

Elgin Sweeper doesn't offer just one sweeping technology — we take an application-based approach to solving our customers' sweeping needs. Our team works with every customer to ensure they get a machine that fits their specifications, with the right truck, engine configuration, fuel requirements, and options.

POWERFUL SUPPORT

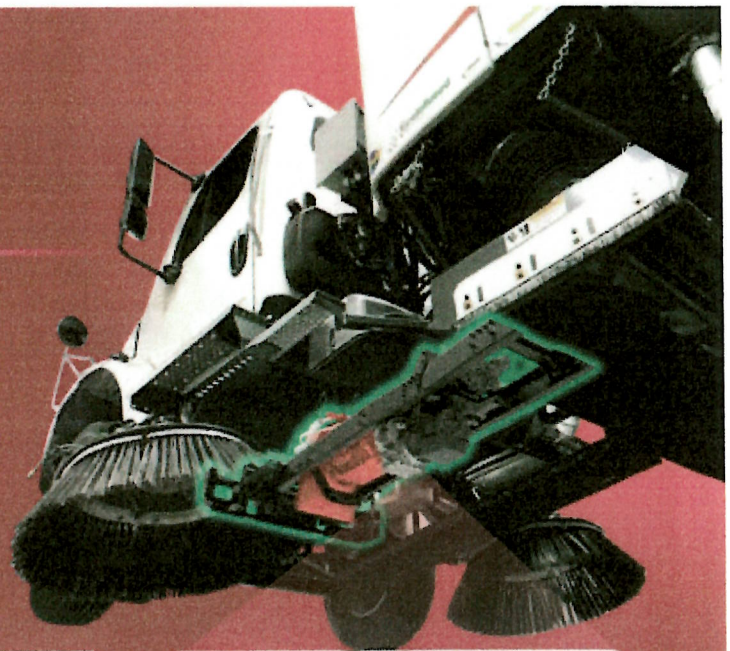
Elgin Sweepers are built for clean, backed for life. Throughout the life of the sweeper, we offer team training on proper use and maintenance. We have a worldwide network of experienced dealers with factory trained technicians and a local stock of OEM parts and accessories, to ensure total customer peace of mind.

UNMATCHED QUALITY

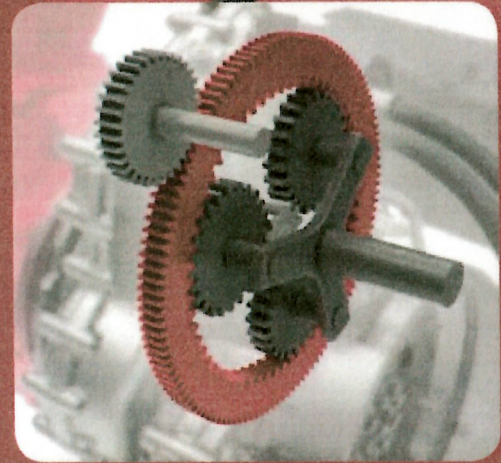
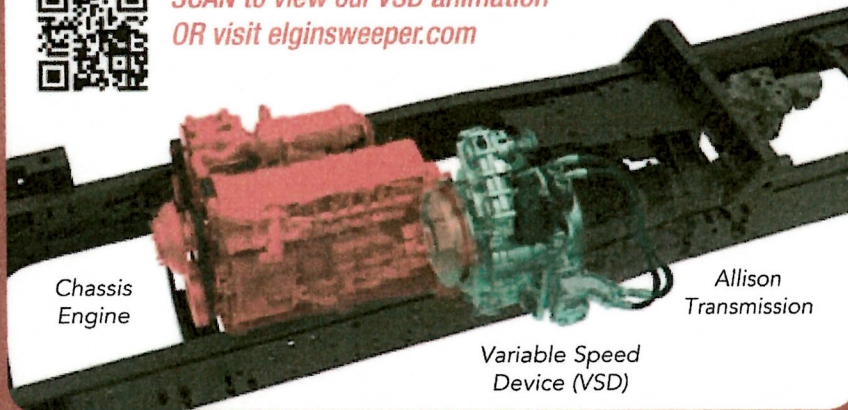
The Crosswind was introduced nearly 30 years ago and has been continuously improved in design and production. Elgin sweepers are manufactured in an ISO:9001 certified manufacturing plant. Products are painted prior to assembly and quality tested. The Crosswind1 is proudly assembled in the U.S.A. using only the finest materials.

VARIABLE SPEED DEVICE (VSD) TECHNOLOGY

The Crosswind1 single-engine provides a simple solution; a single push-button operation. This procedure incorporates a Variable Speed Device (VSD) – a planetary gearbox – located between the chassis engine and the Allison transmission. The VSD has two modes of operation; road mode and work mode.



SCAN to view our VSD animation
OR visit elginsweeper.com



The VSD replaces the diesel auxiliary engine, eliminates a complex aftertreatment system, and untimely regenerations. It's simple to operate, and carries a three year warranty.

SINGULAR PUSH-BUTTON TECHNOLOGY

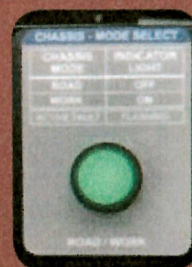
The Crosswind1 does not require engaging the park brake before shifting into work or road modes. Shift-on-the-fly design provides unmatched ease of operation; combined with increased productivity.

ROAD MODE:

When the VSD is in road mode, the chassis operates normally. The accelerator pedal controls the chassis engine speed and the transmission shifts normally.

WORK MODE:

When the VSD is in work mode, the chassis accelerator now controls only the input speed to the transmission, not the chassis engine speed.



SUPERIOR SINGLE-ENGINE REGENERATIVE AIR SWEEPER

FLEXIBLE DESIGN

The Crosswind1 mounts on a conventional or cab-over chassis, respectively offering maneuverability, visibility, ease of entry and egress. Elgin's standard auto pickup-in-reverse feature protects the sweep components while allowing quick change of sweeping locations.

HIGH CAPACITY/EFFICIENT LOADING

The 8 cu. yard (6 m³) capacity hopper provides extended sweeping time. Abrasion-resistant steel inlet deflector directs debris flow to the center of the hopper for maximum capacity utilization. Drop down hopper screens make the Crosswind1 easy to clean.

ERGONOMIC CONTROLS

The Crosswind1's centrally-mounted console features rocker switches for all sweep functions and complete gauges (fuel level, fan hour meter, fan RPM) for quick review of system conditions. A backup camera and alarm are standard for increased operational awareness and safety.

POWERFUL BLOWER

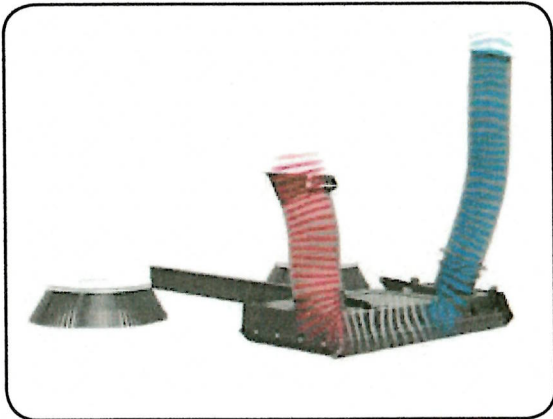
The Crosswind1 features a nine-vane closed face turbine blower. Vanes are constructed from Hardox® brand steel for durability.

RESILIENT HOUSING

Replaceable urethane liners inside blower housing extends service life.



POWERFUL CLEANING SYSTEM



EFFICIENT AIR CONVEYANCE SYSTEM

Efficient air flow, including a superior vacuum source and air routing path, is essential to Crosswind1.

- High volume air flow at high velocity results in exceptional one-pass pickup while reducing plugging that can occur in similar type sweepers.
- A nine-vane closed face turbine blower is hydrostatically driven, eliminating belt tensioning, and provides vibration free and quiet operation.
- A centrifugal dust separator minimizes pressure loss and maximizes sweep performance and fan life.



HIGH PRODUCTIVITY SWEEP SYSTEM

The sweep path picks up debris close to the curb and across a wide area.

- A 90 in. (2286 mm) wide pick-up head and hydraulically driven 42 in. (1067 mm) dual side brooms provide a 12 ft. (3658 mm) wide sweep path.
- Work with brooms fully extended, or add the optional full broom retract feature for powerful scrubbing action in front of the pick-up head.
- An optional center broom provides added digging power for compacted debris.
- A 12 3/4 in. (324 mm) diameter suction hose accepts large debris. Quick disconnect allows operator to inspect and clean hose and intake tube without raising hopper.
- The vacuum enhancer facilitates sweeping under light and bulky debris conditions.

Crosswind SPECIFICATIONS:

SWEEP SYSTEM

High performance regenerative air
Sweeping path: 12 ft. (3658 mm)
Side brooms: 42 in. (1067 mm)

PICK-UP HEAD

High flow with pressure and vacuum chamber 2700 sq. in. (17,450 sq. cm.)
Pressure hose diameter: 14 in. (356 mm)
Suction hose diameter: 12 3/4 in. (324 mm)

Variable Speed Device (VSD)

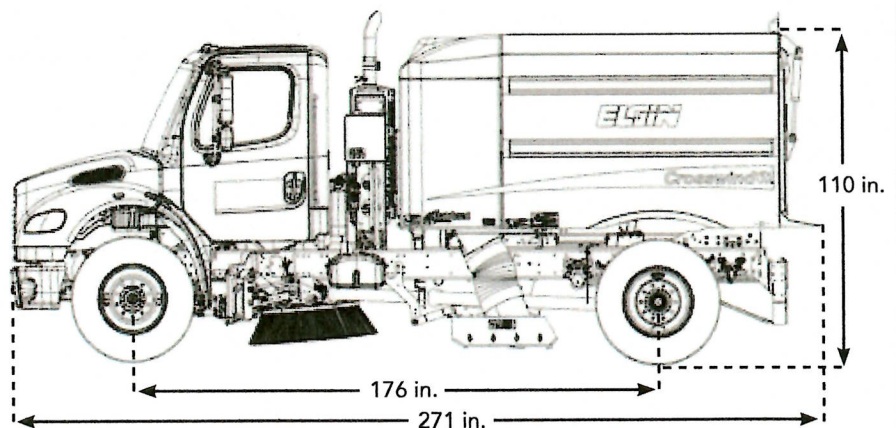
Installed between the chassis engine and the Allison transmission; eliminates auxiliary engine
Singular in-cab push button control

CHASSIS

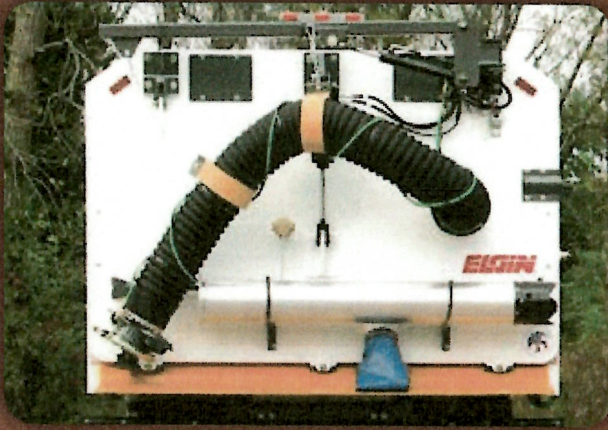
Choice of conventional or cab-over chassis

TRAVEL SPEED

Highway speeds



POPULAR ENHANCEMENTS



WANDERING HOSE

The versatile, hydraulic-assist hose gets into hard to reach places and is effective in catch basin cleaning. It handles multiple tubes for especially deep catch basin cleaning.



LIFELINER® HOPPER SYSTEM

The LifeLiner® hopper liner and finish system greatly improves the life, durability, and dumping functionality of a sweeper hopper. It is backed by a lifetime warranty*.

ADDITIONAL ENHANCEMENTS:

- Center broom
- Memory Sweep®
- Side broom tilt
- High pressure washdown/
high pressure pump
- Front spray bar
- Hopper deluge
- Auxiliary hydraulic pump
- PM-10 compliant
- Full side broom retract
- Variable speed side brooms
- Full-width magnet
- Rotating beacon
- Auxiliary lighting packages
- In-cab control for vacuum
enhancer
- Broom hour meter
- Enhanced water control
- Additional water:
140 gal. (530 L), 280 gal.
(1060 L), 360 gal. (1363 L)
- R or L inspection door
- FlowBlocker™

VISIT THE CROSSWIND PAGE ON ELGINSWEEPER.COM
FOR APPLICATION-SPECIFIC CONFIGURATIONS



CROSSWIND FSX®
Top Performance On and Off the Runway



CROSSWIND GRS
Glycol Recovery Sweeper

Crosswind¹

SINGLE-ENGINE 4 WHEEL REGENERATIVE AIR SWEEPER

Searching for a solution that eliminates maintaining and servicing an auxiliary engine on a regenerative air sweeper? Elgin Sweeper Company has the answer. The Crosswind¹ eliminates all things associated with a diesel auxiliary engine, providing value to customers that extends beyond having one less engine. The Crosswind¹ has undergone years of customer focused testing and validation; ensuring a design that exceeds expectations!

ELIMINATES:

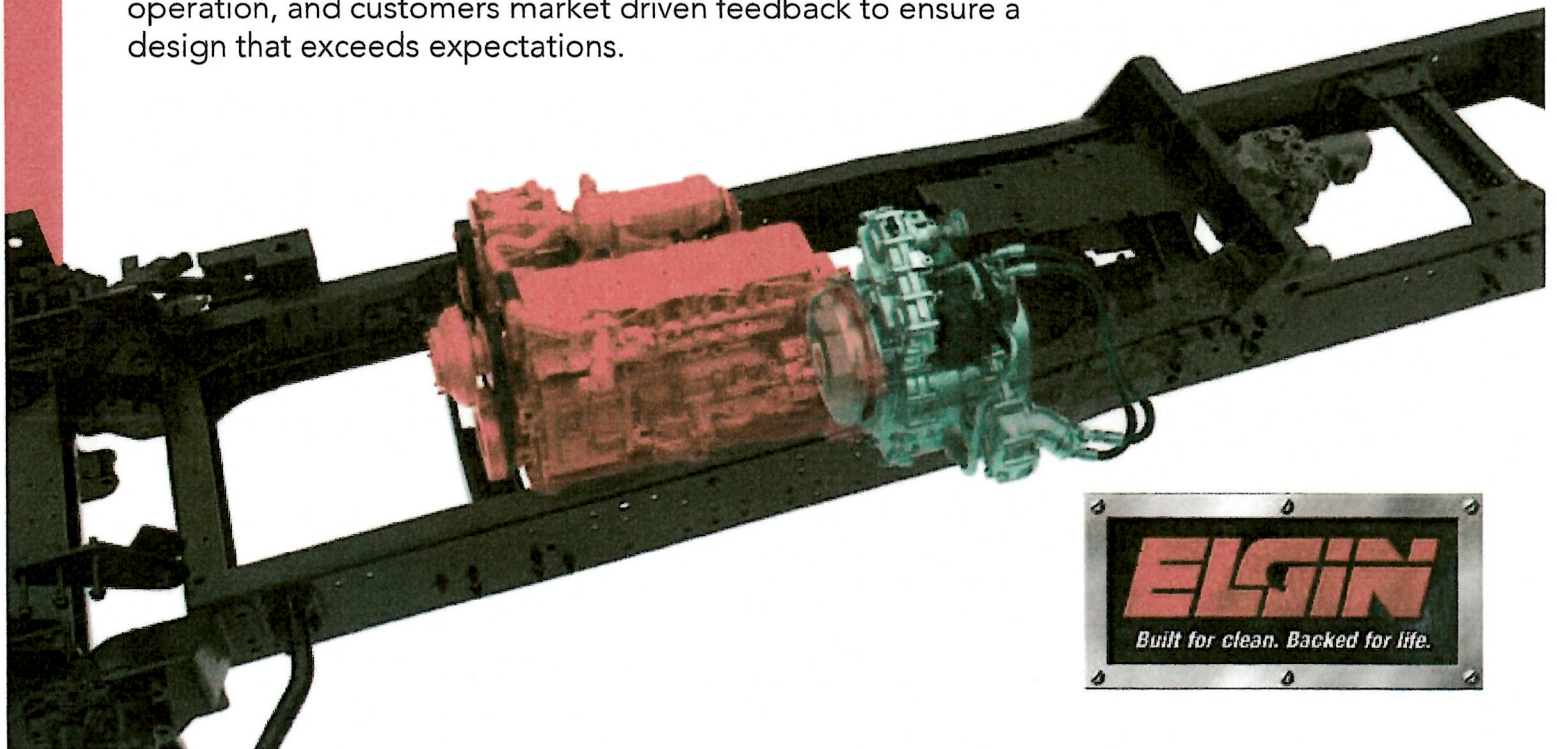
- Maintaining two engines
- Complex aftertreatment system, and maintenance
- Untimely auxiliary engine regenerations
- Cost exposure resulting from "missed" auxiliary engine regenerations
- Cumbersome belt tensioning systems
- Auxiliary engine noise and vibration

CUSTOMER FEEDBACK:

- Increases productivity
- Easy to use and learn; single push-button on-the-fly operation
- Quiet operation
- Reduces daily checks

EXHAUSTIVELY PROVEN OVER:

Years of testing and validation, with thousands of miles and hours in operation, and customers market driven feedback to ensure a design that exceeds expectations.



Sweep System - Single-Engine

Variable Speed Device (VSD)

Replaces auxiliary engine; installed between the chassis engine and the Allison transmission

In "Road Mode" VSD produces 1:1 speed ratio between chassis and transmission

In "Work Mode" VSD allows chassis accelerator pedal to control input to transmission and engine speed remains constant - fan speed is adjustable

Singular in-cab push button control
No parking brake requirement
No complex EPA off-highway aftertreatment system

Single-engine System

Make Variable Speed Device
Type Planetary Gearbox Design
Horsepower 240 (179 kW) approved input rating
Torque 560 ft-lb approved input rating
Air Cleaner Dual safety element dry type
Alarm For Low Hyd Oil / High Hyd Temp

Chassis Engine*

Make Cummins ISB 6.7 or equivalent
Type in-Line 6 cylinder, turbocharged diesel
Displacement 409 cu. In. (6.7 L)
Horsepower 200 (150 KW) @ 2400 RPM
Torque 520 ft-lbs (708 Nm) @ 1600 RPM
Fuel Tank Capacity 50 gal (189 L)

Electrical System

Chassis Battery Rating 12 volt
Sweeper Battery Rating 1000CCA
Chassis Engine Alternator 160 amperes

Instrumentation / Controls

Rocker switches in central console gauges:
Blower tachometer, hour meter, fuel, voltmeter, coolant temperature, spray water level gauge, hopper up, hopper rear door open, full load indicator

VSD mounted Oil Level Sight Gauge

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 Jaw-type coupling with hydraulic 2.87 cu-in (47 cc) displacement bent axis motor
Blower Construction Hardox brand steel
Blower Housing 10 gauge (3.4 mm) Steel, rubber-lined for extended wear

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 12 3/4 in (324 mm)

Control Hydraulic raising and lowering

Vacuum Enhancer External, manually controlled

Hose Connection Quick disconnect type near pickup head at lower 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

Debris Hopper

Volumetric Capacity 8 yd³ (6 m³)

Effective Dump Angle 50 degrees

Dust Separator Self-cleaning, centrifugal

Lifting Hydraulic, two-stage telescoping cylinder

Hopper Dump Door Hydraulic open/close and lock/unlock

Hopper Dumping Control In-cab switches combined with Dump Mode control

Hopper Screens Hinged, quick release, steel

Quiet Pak™ acoustical insulation on front cowling and access doors

Hydraulic System

Purpose Powers hydraulic motors on side brooms, blower fan, and activates hopper dump cycle

Hydraulic Blower Pump variable - piston type - with 4.2 cu-in (68.8 cc) /rev rating

Hydraulic Sweeper Pump gear driven with capacity of 19.5 GPM (73.8 LPM) @ 3400

RPM; sweeper brooms, hopper dump, and pickup head raise/lower

Reservoir Capacity 23 gal (87 L)

Filter Sweeper Functions System 10 micron spin-on type filter, twin suction strainers 100 mesh. Cooler hydraulic system accessible without raising hopper.

Filter Blower System 6 micron canister type
Filter reservoir vent 10 micron spin-on type breather

Spray Water System

Water Tank Construction Polyethylene

Water Tank Capacity 240 gal (908 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 16

(21, with optional center broom)

Quick release brass for ease of cleaning or service.

7 in pickup head (12 if with center broom)

3 in suction tube

6 (3 each) side brooms

Controls On-off switches in cab, manually adjustable valves

Filter 100 mesh, cleanable

Fittings Prestomatic Push-To-Lok type with thermoplastic tubing

Available Enhancements

- Glycol recovery system
- FSX Airport Application System
- MemorySweep®
- Broom hour meter
- Full broom retract
- In-cab vac enhancer control
- Enhanced water control
- Aux. lighting packages
- In-cab side broom tilt
- Variable broom speed
- Wandering hose
8 in (203 mm) diameter
- Auto lubrication system
- LifeLiner® Hopper System
- Stainless steel hopper
- Hopper inspection door(s)
- Hopper deluge washout system
- Hopper drain
- Center broom in pick-up head
- High/low pressure washdown
- Auxiliary water tank capacities
- Water system air purge
- PM-10 water system
- Caster pick-up head wheels
- Full-width magnet
- Cast aluminum side air blast nozzle
- Aluminum refillable side broom segments
- Extended warranty

Paint

Powder Coated,
Standard Elgin white
and gray

Chassis

Available on commercial
cabover and conventional
Consult factory

Warranty

Sweeper
1 year parts and labor
VSD
3 year parts and labor

Your Elgin Dealer is:



*Chassis dependent







©2018 Elgin Sweeper Company. Elgin® and Crosswind1® are registered trademarks of Federal Signal Corp. Federal Signal Corporation is listed on the NYSE by the symbol FSS

ELGIN

Elgin Sweeper Company
1300 W. Bartlett Rd.
Elgin, Illinois, U.S.A. 60120-7529
847-741-5370 Phone
847-742-3035 Fax
www.elginsweeper.com

Effective 11/18
Specifications subject to change without notice.
P/N 0705414-C

What does the Crosswind mean?

-  *less engine to maintain*
-  *less belt to tension*
-  *button operation*
-  *less engine regeneration*
-  *less emission aftertreatment system*
-  *less noisy engine*

 **MORE REASON...**
TO BUY AN ELGIN!

WARRANTY

Elgin Sweeper Company backs the Crosswind1 sweeper with a one-year limited warranty. The Crosswind1 is warranted against defects in material or workmanship for a period of 12 months from the date of delivery to the original purchaser. Optional extended warranty packages are available. Consult your Elgin dealer for complete warranty information.

Your local Elgin Dealer is:



elginsweeper.com

Specifications subject to change without notice. Some items shown may be optional. Elgin® Crosswind1® Crosswind FSX® Ecolinfused® Lifeline® and Memory Sweep® are registered trademarks of Federal Signal Corporation. Hardox® is a registered trademark of Hardox wear plate. Federal Signal Corporation is listed on the NYSE by the symbol FSS.
©2018 Elgin Sweeper Company. Effective 11/18 P/N 0705429

1300 W. Bartlett Road • Elgin, IL 60120 U.S.A.
(847) 741-5370 Phone • (847) 742-3035 Fax

Crosswind



SIMPLE, EASY - MAINTENANCE ACCESS

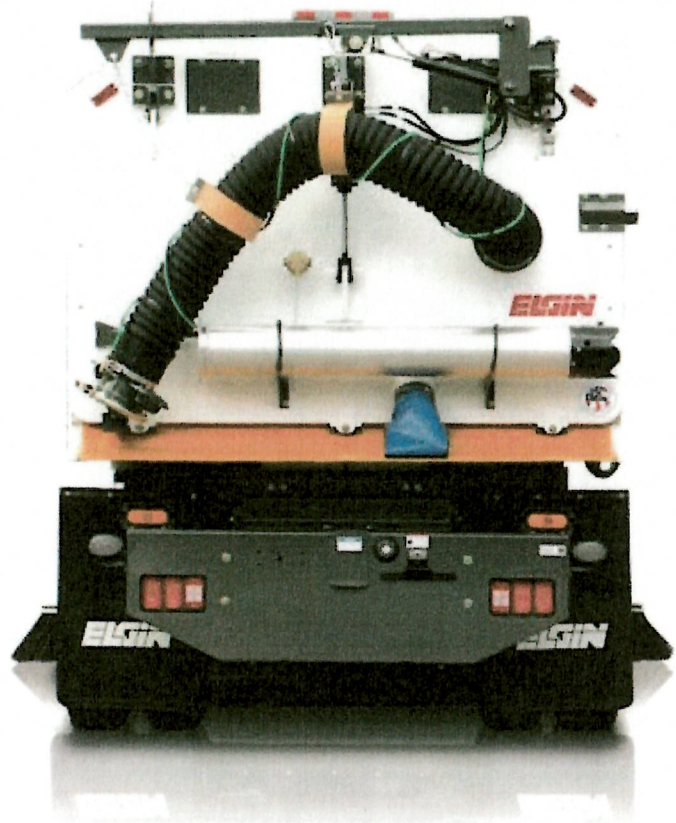
The Crosswind1 is designed so that systems are accessible and easy to service. The hydraulic system with o-ring face seal (ORFS) fittings is designed for long life and leak-free operation. Heavy-duty, waterproof electrical connectors, and color-coded wires are functionally stamped for quick identification and trouble shooting.

SUPERIOR DUST SUPPRESSION

The durable 240 gal. (908 L) polyethylene water tank provides ample water capacity. Water is delivered using two run-dry water pumps; distributed through quick-to-clean water nozzles. High/low in-cab selectable pump speeds allow adjustment by application.

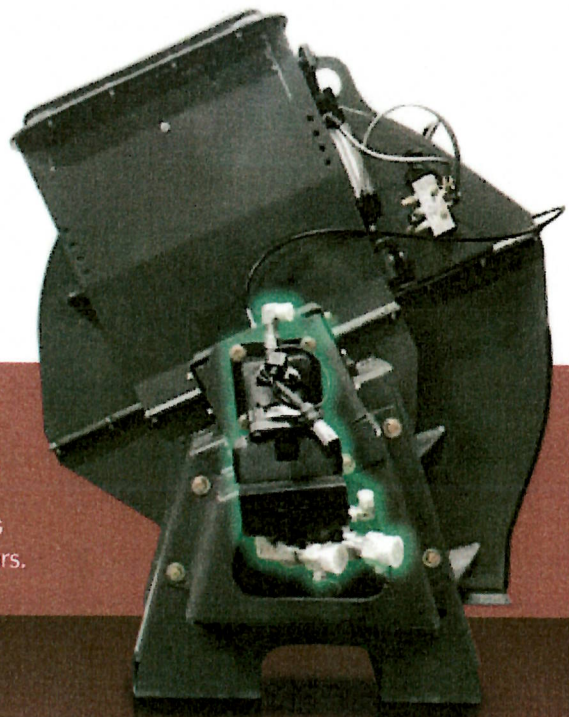
UNIQUE TRAILING ARM SIDE BROOMS

Elgin's trailing arm design provides inward motion to avoid obstacles. Standard parallelogram linkage allows side brooms to closely follow road contours, and maintain a consistent broom tilt (angle) with the road surface. Digging pressure is adjustable in-cab. Brooms can be extended outward for maximum sweep path



HYDROSTATICALLY DRIVEN BLOWER

Eliminates frequent tensioning of a belt driven blower. Vibration and noise from belt slippage is avoided.



Elgin's optional Memory Sweep® system allows the operator to resume all previous sweep settings, even broom tilt (if so equipped), with one touch control. Memory Sweep incorporates a multi-screen display that indicates system diagnostics, as well as optional features such as broom tilt angle, vacuum enhancer position, and broom hours.

**MEMORY
SWEEP**



CITY OF
SANFORD
FLORIDA



APPROVED

WS __ RM X

Item No. 10.B

**CITY COMMISSION MEMORANDUM 21-204
SEPTEMBER 27, 2021 AGENDA**

TO: Honorable Mayor and Members of the City Commission
PREPARED BY: Russ Sheibenberger, Stormwater Superintendent
SUBMITTED BY: Norton N. Bonaparte, Jr., City Manager
SUBJECT: Budget Amendment and Procurement; Elgin Crosswind 1 Street Sweeper, Environmental Products Group

STRATEGIC PRIORITIES:

- Unify Downtown & the Waterfront
- Promote the City's Distinct Culture
- Update Regulatory Framework
- Redevelop and Revitalize Disadvantaged Communities

SYNOPSIS:

Approval of Resolution No. 2988 to amend the budget in the amount of \$260,055 for the procurement for a new Elgin Crosswind 1 Street Sweeper from Environmental Products Group for the Public Works, Storm-Water Department is requested.

FISCAL/STAFFING STATEMENT:

The purchase price for the Elgin Crosswind 1 Street Sweeper is \$260,055. Funding for this procurement is available in Stormwater Reserves.

BACKGROUND:

Street sweepers are needed for City use so we can meet our N.P.D.E.S requirements. The sweeper is needed to sweep the roads of debris that helps with preventing localized flooding. This Elgin Crosswind 1 Street Sweeper is a replacement for sweeper #80. Street Sweeper #80 recently caught on fire and was assessed as a total loss. An insurance claim has been filed with Risk Management.

The Elgin Crosswind 1 Street Sweeper with the optional equipment and automated lubrication system and has been competitively bid for heavy trucks under the Florida Sheriff's Association Contract FSA20-EQU18.0 Environmental Products Group is an Awarded Vendor for this purchase. Thus, the City may piggyback that procurement by means of the issuance of a purchase order.

LEGAL REVIEW:

No legal review was requested of the City Attorney

RECOMMENDATION:

City staff recommends that the City Commission approve Resolution No. 2988 to amend the budget and approve the procurement for an Elgin Crosswind 1 Street Sweeper with the optional equipment and automated lubrication system in the amount not to exceed \$260,055 from Environmental Products.

SUGGESTED MOTION:

“I move to approve Resolution No. 2988 to amend the budget and approve the procurement for an Elgin Crosswind 1 Street Sweeper with optional equipment and automated lubrication system in the amount not to exceed \$260,055 from Environmental Products.”

- Attachments: (1). Environmental Products Group Quote.
(2). Florida Sheriff's Association Award Letter FSA20-EQU18.0.
(3). Resolution No. 2988 – Budget Amendment
(4). Request for Budget Amendment

GROUP NUMBER . : 05630 PW/SW-STREET SWEEPER
 GROUP USER . . : POSEYS Posey, Shanna - Executive

TRANS NO	TRANS DATE	DOCUMENT	ACCOUNT NUMBER	DESCRIPTION 1	PROJECT	BUDGET AMOUNT	ORIG(Y/N)
DESCRIPTION 2		TYPE					
0000100	09/27/2021	BA 12-105	402-0000-389.98-00	PW/SW-STREET SWEEPER		260,055.00	
RES# 2988 / CCM# 21-204							
0000200	09/27/2021	BA 12-105	402-4045-541.64-00	PW/SW-STREET SWEEPER		260,055.00	
RES# 2988 / CCM# 21-204							

TOTALS:

	AMOUNT CALCULATED	AMOUNT ENTERED	DIFFERENCE
COUNT:	2	2	
AMOUNT:	520,110.00	520,110.00	