

**SCHOOL BOARD OF BREVARD COUNTY, FLORIDA
BOARD AGENDA ITEM – August 24, 2021**

PROCUREMENT SOLICITATION

ITB 21-643-B-JW Robotic Mowers

<input checked="" type="checkbox"/> (ITB) Invitation to Bid	<input type="checkbox"/> (ITN) Invitation to Negotiate	<input type="checkbox"/> (PB) Piggyback
<input type="checkbox"/> (RFP) Request for Proposal	<input type="checkbox"/> (RFQ) Request for Qualifications	<input type="checkbox"/> (SC) State Contract
<input type="checkbox"/> (SS) Sole Source		

REQUESTOR: Plant Operations and Maintenance **Legal Review Required:** Yes No
Standard Template Used with No Changes: Yes No
Standard Template: ITB

VENDOR NAME	AMOUNT AWARDED	REQUIRED PRODUCTS/SERVICES
JSM Services, Inc.	NTE \$110,000.00	Robotic Mowers
Total	NTE \$110,000.00	

<input type="checkbox"/> Contract Renewal	New Contract Amount	\$110,000.00
<input type="checkbox"/> Recurring Contract	Previous Contract Amount	N/A
<input checked="" type="checkbox"/> New Contract	Variance	N/A

PRICE INCREASE / DECREASE EXPLANATION: N/A

DISCUSSION:

Facilities Services is utilizing a multi-pronged approach to improving the grounds maintenance level of service. One of the biggest challenges is keeping the grounds technician positions fully staffed. One of the mitigation strategies is to utilize robotic mowers for field mowing, reducing the area that needs to be manually mowed. The Maintenance Department has tested robotic mowers for field mowing at two schools and is expanding the program to five additional schools based on the successful pilot.

The standard Invitation to Bid has been used, which does not require legal review.

CONTRACT TERM:

The initial contract term shall commence August 25, 2021 and will continue until fully installed and approved by Facilities Services.

RECOMMENDATION:

It is the recommendation of Susan Hann, P.E., Assistant Superintendent of Facilities Services and James Ross, Director of Plant Operations and Maintenance to approve the above solicitation with JSM Services, Inc. in the amount of Not to Exceed \$110,000.00.

AUTHORITY FOR ACTION:

Florida Administrative Code 6A-1.012 (9)

School Board of Brevard County
Office of Procurement & Distribution Services
2700 Judge Fran Jamieson Way
Viera, FL 32940-6601
Mark W. Mullins, Ed.D., Superintendent



August 5, 2021

NOTICE OF INTENDED DECISION

ITB 21-643-B-JW
Robotic Mowers

The Office of Procurement Services hereby notifies all firms of an intended decision regarding the award of the above-mentioned solicitation as outlined attached.

Failure to file a protest within the time prescribed in section [120.57](#)(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.

Please contact Jennifer Wells, Buyer I at 321-633-1000 ext. 11106 or by email at wells.jennifer@brevardschools.org if you should have any questions. Thank you for your continued interest in The School Board of Brevard County, Florida.

Sincerely,

For Kristine Rodriguez, MBA, NIGP-CPP, CPPO, CPPB
Director of Procurement and Distribution Services

<p style="text-align: center;">TABSHEET ITB # 21-643-B-JW Robotic Mowers August 4, 2021 at 2:00 PM Opened By: Jennifer Wells</p> <p style="text-align: center;">This is the tabsheet showing award recommendation pending Board Approval August 24, 2021</p> <p style="text-align: center;">Date Solicited: July 13, 2021 Date Opened: August 4, 2021 # Solicited 867 # MWBE 0 # Planholders 22 # Submittals 4</p>	<p>JB Enterprises of Titusville, Inc. dba Bucks Lawnmower Shop 3655 S. Hopkins Avenue Titusville, Florida 32780 James H. Burke II 321-269-7226 buckslawnmowers@aol.com Ricky Woods 321-267-4170 buckslawnmowers@aol.com</p>	<p>JSM Services, Inc. 414 Lake Mill Site Rd. Barrow, Florida 33830 Jimmy Stamps III 239-850-8025 jstamps3@jmservicesinc.com Kathy Snyder 239-693-9199 ksnyder@jmservicesinc.com</p>	<p>R2C AutoLawn, LLC 5365 Ohio Avenue Sanford, Florida 32771 Tony Smith 407-340-3377 twsmith66@outlook.com Joe Langton 847-980-1269 joelangtongroup@gmail.com</p>	<p>Wurth USA, Inc 93 Grant St. NJ 07446 Tom Quay 727-465-4195</p>
Completed Bidder's Acknowledgement	Yes	Yes	Yes	NO BID
FL Dept. of State Division of Corporations Number	P02000133745	P97000026982	L20000116227	
Litigations/Bankruptcy	No	No	No	
Confidential Materials Enclosed	No	No	No	
Addenda (if applicable)	N/A	N/A	N/A	
References Form	No	Yes	Yes	
Local Business Tax Receipts	Yes	Yes	Yes	
Current W-9	Yes	Yes	No	
Proof of Insurance	Yes	Yes	No	
Certified Business Program Reciprocity Affidavit (if applicable)	N/A	N/A	N/A	
Bidder's Statement of Principal Place of Business (if applicable)	Brevard / Florida	Polk / Florida	Seminole / Sanford / Florida	
Subcontractor Information (If applicable)	No	No	No	

Recommended Award Key: Columns highlighted in yellow identify the recommended award.

All other bidders did not meet the definition of responsive and responsible for this bid as outlined in Section 2.10

JB ENTERPRISES OF TITUSVILLE, INC

Part 1	Equipment Description	Unit of Measure	QUANTITY	RATE	TOTAL
1.1	Bidder Robotic Mower (See SOW for Requirements)	Each	5	\$15,800.00	\$79,000.00
1.2	Charging Station (See SOW) if not included in the Robotic Mower Price.	Each	5	\$2,200.00	\$11,000.00

Installation Note: Bidder Robotic Mower Installation (Includes the planning, design, mobilization and demobilization and installation of a Echo Dual Zone Charging Station, Branded Peripheral Braded Wire and a Echo T-2000 Robotic Mower at each school and the electrical power cabling from the Charging Station to the electrical power panel.

Part 2	Project Site Location	Unit of Measure	Estimated Acreage and Branded Peripheral Wire Linear Feet	INSTALLATION RATE	TOTAL
2.1	Edgewood Jr/Sr High School	Each	4.37 - 2,480	Lump Sum	\$4,000.00
2.2	Gardendale Elementary School	Each	5.18 - 1,981	Lump Sum	\$4,000.00
2.3	Pinewood Elementary School	Each	3.45 - 1,984	Lump Sum	\$4,000.00
2.4	Sherwood Elementary School	Each	2.00 - 1,590	Lump Sum	\$4,000.00
2.5	Viera Elementary School	Each	5.00 - 2,886	Lump Sum	\$4,000.00
Part 3	Service Agreement (See Sow)				
3.1	Mower Replacement of blades. (estimated every 4 weeks in growing season – April through November, every 6-8 weeks – December through March), these frequencies will be adjusted to longer periods between visits if agreed to by both parties.	Each Replacement		Lump Sum	\$38,155.00
3.2	Mower Service	Per Service as Required		Lump Sum	\$10,000.00

The Bidder shall provide their Robotic Mower Specifications as part of their bid in the	
Robotic Mower Brand	ECHO Robotics
Working area capacity (Min)	3 Acres
Working area capacity (Max)	6 Acres
Cutting height	20 mm to 100 mm
Mower speed	2 MPH
Battery	Lithium Ion 26 Volts
Typical charging time	1 Hour
Mow time in one charge	2 Hour
Mowing Width Min	41
Weight (with batteries)	157 Pounds
Annual energy consumption	\$85.00
Dimensions	42 x 36 17
Mowing Height	100 mm
Cutting heads type and number	5 Floating Heads with 3 Blades on Each
Blade number per head	5
Cutting width	40.7

JSM SERVICES, INC

Part 1	Equipment Description	Unit of Measure	QUANTITY	RATE	TOTAL
1.1	Bidder Robotic Mower (See SOW for Requirements)	Each	5	\$14,857.00	\$74,285.00
1.2	Charging Station (See SOW) if not included in the Robotic Mower Price.	Each	5	\$1,758.00	\$8,790.00

Installation Note: Bidder Robotic Mower Installation (Includes the planning, design, mobilization and demobilization and installation of a Echo Dual Zone Charging Station, Branded Peripheral Braded Wire and a Echo T-2000 Robotic Mower at each school and the electrical power cabling from the Charging Station to the electrical power panel.

Part 2	Project Site Location	Unit of Measure	Estimated Acreage and Branded Peripheral Wire Linear Feet	INSTALLATION RATE	TOTAL
2.1	Edgewood Jr/Sr High School	Each	4.37 - 2,480	Lump Sum	\$1,500.00
2.2	Gardendale Elementary School	Each	5.18 - 1,981	Lump Sum	\$1,500.00
2.3	Pinewood Elementary School	Each	3.45 - 1,984	Lump Sum	\$1,500.00
2.4	Sherwood Elementary School	Each	2.00 - 1,590	Lump Sum	\$1,500.00
2.5	Viera Elementary School	Each	5.00 - 2,886	Lump Sum	\$1,500.00
Part 3	Service Agreement (See Sow)				
3.1	Mower Replacement of blades. (estimated every 4 weeks in growing season – April through November, every 6-8 weeks – December through March), these frequencies will be adjusted to longer periods between visits if agreed to by both parties.	Each Replacement		Lump Sum	\$375.00
3.2	Mower Service	Per Service as Required		Lump Sum	\$1,250.00

The Bidder shall provide their Robotic Mower Specifications as part of their bid in	
Robotic Mower Brand	Echo
Working area capacity (Min)	2 Acres
Working area capacity (Max)	6 Acres
Cutting height	20 mm up to 100 mm
Mower speed	2.2 MPH
Battery	Lithium ION 25.6 Volts
Typical charging time	1 Hour
Mow time in one charge	> 2 Hours
Mowing Width Min	40.7 Inces
Weight (with batteries)	156.5 Lbs
Annual energy consumption	830 Kwh
Dimensions	4.2 Ft x 3.6 Ft x 1.7 Ft
Mowing Height	0.8 Inches to 3.9 Inches
Cutting heads type and number	5 Floating Heads
Blade number per head	3 Blades per Head
Cutting width	40.7 Inces

R2C AUTOLAWN LLC

Part 1	Equipment Description	Unit of Measure	QUANTITY	RATE	TOTAL
1.1	Bidder Robotic Mower (See SOW for Requirements)	Each	5	\$15,500.00	\$77,500.00
1.2	Charging Station (See SOW) if not included in the Robotic Mower Price.	Each	5	\$2,200.00	\$11,000.00
Installation Note: Bidder Robotic Mower Installation (Includes the planning, design, mobilization and demobilization and installation of a Echo Dual Zone Charging Station, Branded Peripheral Braded Wire and a Echo T-2000 Robotic Mower at each school and the electrical power cabling from the Charging Station to the electrical power panel.					
Part 2	Project Site Location	Unit of Measure	Estimated Acreage and Branded Peripheral Wire Linear Feet	INSTALLATION RATE	TOTAL
2.1	Edgewood Jr/Sr High School	Each	4.37 - 2,480	Lump Sum	\$2,403.50
2.2	Gardendale Elementary School	Each	5.18 - 1,981	Lump Sum	\$2,849.00
2.3	Pinewood Elementary School	Each	3.45 - 1,984	Lump Sum	\$1,897.50
2.4	Sherwood Elementary School	Each	2.00 - 1,590	Lump Sum	\$1,100.00
2.5	Viera Elementary School	Each	5.00 - 2,886	Lump Sum	\$2,750.00
Part 3	Service Agreement (See Sow)				
3.1	Mower Replacement of blades. (estimated every 4 weeks in growing season – April through November, every 6-8 weeks – December through March), these frequencies will be adjusted to longer periods between visits if agreed to by both parties.	Each Replacement		Lump Sum	\$925.00
3.2	Mower Service	Per Service as Required		Lump Sum	\$90.00 / Hourly

The Bidder shall provide their Robotic Mower Specifications as part of their bid in	
Robotic Mower Brand	Echo
Working area capacity (Min)	1 Acre (4,050 m2)
Working area capacity (Max)	6 Acres (24,300 m2)
Cutting height	0.86 in. - 3.9 in. (22 mm - 100
Mower speed	2.2 mph (3.6 km/h)
Battery	Self-charging via charging station
Typical charging time	1 Hour
Mow time in one charge	2 Hours
Mowing Width Min	9 in. (229 mm)
Weight (with batteries)	156.5 lb (71 kg)
Annual energy consumption	830 kWh
Dimensions	4.2 ft. x 3.6 ft. x 1.7 ft. (1278 mm x 1110
Mowing Height	0.86 in. - 3.9 in. (22 mm - 100
Cutting heads type and number	5 Floating Heads
Blade number per head	3 Retractable and replaceable 2 - inch blades per cutting head
Cutting width	40.7 in. (1033 mm)