



MEMORANDUM

**TO: Members of the School Board
Dr. Todd Bowden, Superintendent
Mitsi Corcoran, Assistant Superintendent Chief Financial Officer**

FROM: Carol A. Lichon, CPPO, Director of Materials Management

**TITLE: APPROVAL TO AWARD BID #19-0410 FOR ROBOTIC TRAINING
OPERATING KIT FOR SUNCOAST TECHNICAL COLLEGE**

A bid to provide ‘Robotic Training Operating Kit for Suncoast Technical College’ was received from one vendor on October 11, 2018. The bid of ROOTS Engineering Services was the best low bid meeting the advertised specifications. The system will be used for instruction by the Advanced Manufacturing and Productive Technology programs at STC and aligns classroom training with local job/skills demand and FLDOE frameworks. This bid is for a one-time equipment purchase and includes additional maintenance plans that will take effect after the initial first year maintenance period. The funds for these purchases are contained in the budget allocated to Suncoast Technical College.

Requested by:
Ron DiPillo

“Failure to file a protest within the time prescribed in Section 120.57(3), Florida Statutes, or failure to post the protest 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.”

Posting Date: 10/30/2018

Fiscal Impact:
Not to exceed
\$71,617.00

Recommended Motion: That the bid of ROOTS Engineering Services for ‘Robotic Training Operating Kit for Suncoast Technical College’ in an amount not to exceed \$71,617.00, be approved as presented.

THE SCHOOL BOARD OF SARASOTA COUNTY, FLORIDA

Tabulation for Robotic Training Operating Kit for STC - Bid #19-0410

Opened October 11, 2018 at 3:00 p.m.

Bidder shall provide pricing for a total price to provide equipment, delivery, installation, training, travel, fuel, and warranty in accordance with the technical specifications, for a completely functional robotic training operating kit. Available extended warranty/service plan pricing to be included.			ROOTS Engineering Services	
ITEM & DESCRIPTION	Each	Unit Price	Total Price	
ROBOTIC TRAINING OPERATING KIT TO INCLUDE THE FOLLOWING PACKAGE COMPONENTS, PER THE TECHNICAL SPECIFICATIONS: UNIVERSAL ROBOTS - MODEL UR5 E-SERIES ROBOT, CONTROLLER AND PACKAGES or approved alternate.				
1	ROBOT PACKAGE:			
	UR5 E-Series Robot and Controller	1	\$38,918.00	
	Advanced Robotiq Gripper	1	\$5,270.00	
	UR+ Approved Advanced Gripper with Modular Suction System with Configurator	1	\$915.00	
	UR+ Approved Highly Protective Pendant Armor	1	\$365.00	
	UR+ Approved Screen Protector	1	\$61.00	
	High Tech Multi Axis- Flexible Cable Management Support Package	1	\$235.00	
		1	\$1,000.00	
	TOTAL ROBOT PACKAGE			\$46,764.00
2	SENSOR PACKAGE:			
	Photoelectric Proximity Sensors	4	\$537.00	
	Q4X Series - Laser Distance Sensors	2	\$488.00	
	VISION IVU2 Gen2 with Sensor Integrated Color Touch Screen	1	\$1,155.00	
	TOTAL SENSOR PACKAGE			\$2,180.00
3	ACTUATOR PACKAGE:			
	Set - Advanced clamping Kits with PNP Switches	1	\$397.00	
	Rodless H/Precision	1	\$1,159.00	
	Electric Rotary with Drives and Cables	1	\$1,482.00	
	Cylinder Rotary Clamp	2	\$805.00	
	TOTAL ACTUATOR PACKAGE			\$3,843.00

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4	AIR PREP PACKAGE:		
	Air Prep Accessories with Action Relief		
	SMC filter/Regulator 3/8 NPT Bracket EMB	1	\$67.00
	SMC Single Action Relief Valve	1	\$32.00
	Multi-Port Air Valve Bank		
	SMC SS5Y3 6 STA Manifold Base	1	\$159.00
	SMC Valve 6 Port Solenoid	1	\$373.00
	SMC Reg (P) W/PSI Gauge Odd	1	\$146.00
	SMC Reg (P) W/PSI Gauge Even	1	\$98.00
	SMC F Type Connector (VQ/VZS) 5M	1	\$112.00
	SMC Vacuum Ejector	1	\$26.00
	TOTAL AIR PREP PACKAGE		\$1,013.00
5	TABLE PACKAGE:		
	Specialized 42" x 42" 1/2(T)" CoBot Table with heavy gauge legs (#3), with multi-inverted positioning, leveling casters, shelving - horizontal and vertical to move throughout classrooms.	1	\$4,250.00
	TOTAL TABLE PACKAGE		\$4,250.00
6	SUB COMPONENT PACKAGE:		
	Portable Hard Case Toolbox Large Capacity	3 each	\$231.00
	Panduit Orange Cable Wrap (1 lot = 100 ft.)	1 lot	\$67.00
	Coded Clip On Plastic Cable Identification (1 lot = 300 clips)	1 lot	\$13.00
	Logo Assembly (1 lot = 8 logos)	1 lot	\$103.00
	Extruded Anodized Aluminum and Hardware Kit (40 T-slot beams, 48 brackets, 100 x button head socket bolts, 100 bolts, 250 nuts, 1 nut driver, 1 key driver, and 8 end caps)	1 lot	\$153.00
	TOTAL SUB COMPONENT PACKAGE		\$567.00

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7	INSTALLATION/TRAINING PACKAGE TOTAL 100 HOURS		
	Installation	\$9,000.00	
	Training by Certified Practitioners		
	Personalized Web Site for students and administrators, how to videos and OEM documentation provided electronically and hard copies.		
	TOTAL INSTALLATION/TRAINING PACKAGE		\$9,000.00
	TOTAL ROBOTIC TRAINING OPERATING KIT		\$67,617.00
	Indicate included manufacturer's warranty:		1 year
	Indicate extended warranty options/renewal maintenance service plans:		
a.	Annual maintenance/tear down (annual inspection and report, maintenance and tear down in preparation of the next school year)	\$2,500.00	
b.	Annual maintenance - standard	\$500.00	
c.	Annual maintenance - robust	\$1,500.00	
	TOTAL ROBOTIC TRAINING OPERATING KIT INCLUDING ANNUAL MAINTENANCE/TEAR DOWN AND ROBUST ANNUAL MAINTENANCE PROGRAM.		\$71,617.00
NOTES:			
Contact		Jeffrey M. Kondel	
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		Venice, Florida 34293	
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Fax			
Federal ID		81-3316964	
E-mail Address		jeffk@rootsengineering.com	
Recorded by: Maria L. Hernandez-Ron			
Witnessed by: JoAnn Joyce			