



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

Director Barbara Jo Crea
Deputy Director Gary Quinn
Commissioner Virginia E. Haines
Commissioner John P. Kelly
Commissioner Frank Sadeghi

101 Hooper Avenue
Toms River, New Jersey
08754-2191
(732)929-2005
(732)505-1918

Board Meeting Agenda

Date: August 21, 2024 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

Agenda: Awarding Contracts for the furnishing, delivery and installation of VEHICLE LIFTING SYSTEM to Samuel A Ross Automotive Equipment Specialist, Inc. and Steril-Koni USA, Inc., the lowest qualified bidders. (B2024-127)

Official Resolution#		2024001282					
Meeting Date		08/21/2024					
Introduced Date		08/21/2024					
Adopted Date		08/21/2024					
Agenda Item		j-5					
CAF #							
Purchase Req. #		B2024-127					
Result		Adopted					
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Crea	<				<		
Quinn	<			<	<		
Haines	<		<		<		
Kelly	<				<		
Sadeghi	<				<		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board

CONTRACT NO. MUST BE ON ALL PAPERS, DOCUMENTS, INVOICES, VOUCHERS
NO. B2024-127

RESOLUTION

August 21, 2024

WHEREAS, on July 2, 2024, pursuant to legal advertisements therefore, sealed bids were received for the furnishing and delivery of VEHICLE LIFTING SYSTEM for the County of Ocean; and

WHEREAS, at the advertised time, responses were received from the following bidders:

Name and Address of Bidder

Name and Address of Bidder

Samuel A Ross Automotive Equipment Specialist, Inc.
111 E Gloucester Pike
Barrington, NJ 08007
(800) 727-5438

Stertil-Koni USA, Inc.
200 Log Canoe Circle
Stevensville, MD 21666
(410) 643-9001

ARI Phoenix, Inc.
11163 Woodward Lane
Sharonville, OH 45241
(513) 229-3750, x 103

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bid, according to specifications, namely that of, SAMUEL A ROSS AUTOMOTIVE EQUIPMENT SPECIALIST, INC. and STERTIL-KONI USA, INC. be accepted.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into contracts for the furnishing and delivery of VEHICLE LIFTING SYSTEM for the County of Ocean, for the contract period from date of award through August 20, 2025, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15.

A. SAMUEL A ROSS AUTOMOTIVE EQUIPMENT SPECIALIST, INC. for twelve (12) items, to wit:

ITEM NOS. 1, 1A, 1B, 1C, 2, 2A, 2B, 2C, 3, 3A, 3B and 3C.

For a Total Lump Sum Award (Item Nos. 1 - 1C) of \$104,747.70.

For a Total Lump Sum Award (Item Nos. 2 - 2C) of \$127,647.50.

For a Total Lump Sum Award (Item Nos. 3 - 3C) of \$251,368.65.

This vendor has extended this contract to County Cooperative Contract System Participants.

B. STERTIL-KONI USA, INC. for five (5) items, to wit:

ITEM NOS. 4, 4A, 4B, 4C and 4D.

For a Total Lump Sum Award (Item Nos. 4 - 4D) of \$290,635.00.

This vendor has extended this contract to County Cooperative Contract System Participants.

2. Payments for the equipment and services to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for the equipment and services shall be available within the following funding Source: Vehicle Services O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2024-127.

BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Vehicle Services, and the successful bidders.

[S.A.R.] RESPONSE DOCUMENT REPORT

Bid No. TBD

VEHICLE LIFTING SYSTEM

10. Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

Confirmed

11. Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Confirmed

PRICE TABLES

ROTARY SPOA10, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	No Bid	Comments
✓ 1	Light Duty 10,000 Lb. Capacity Assymmetric Two Post Surface Mounted Frame Contact Lift, Rotary Spoa10, As Specified, Or Equal	5	EA	\$10,799.54	\$53,997.70		
OPTIONS							
✓ 1A	Additional Cost Should Concrete Flooring Need To Be Replaced	5	EA	\$5,500.00	\$27,500.00		
✓ 1B	Five (5) Year Extended Warranty	5	EA	\$3,250.00	\$16,250.00		
✓ 1C	Removal Of Pre-Existing Lifts	5	EA	\$1,400.00	\$7,000.00		

Introduced on: August 21, 2024

Adopted on: August 21, 2024
 Official Resolution#: 2024001282

Bid - VEHICLE LIFTING SYSTEM

[S.A.R.] RESPONSE DOCUMENT REPORT
 Bid No. TBD
 VEHICLE LIFTING SYSTEM

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	No Bid	Comments
TOTAL					\$104,747.70		

ROTARY SPO12-TA, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	No Bid	Comments
✓ 2	Light Duty 12,000 Lb Capacity Symmetric Two Post Surface Mounted Frame Contact Lift, Rotary Spo12-Ta, As Specified, Or Equal	5	EA	\$15,079.50	\$75,397.50		
OPTIONS							
✓ 2A	Additional Cost Should Concrete Flooring Need To Be Replaced	5	EA	\$5,500.00	\$27,500.00		
✓ 2B	Five (5) Year Extended Warranty	5	EA	\$3,250.00	\$16,250.00		
✓ 2C	Removal Of Pre-Existing Lifts	5	EA	\$1,700.00	\$8,500.00		
TOTAL					\$127,647.50		

ROTARY SPO20, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	No Bid	Comments
✓ 3	20,000 Lb. Capacity Symmetric Two Post Surface Mounted Frame Contact Lift, Rotary Spo20, As Specified, Or Equal	5	EA	\$39,323.73	\$196,618.65		
OPTIONS							
✓ 3A	Additional Cost Should Concrete Flooring Need To Be Replaced	5	EA	\$5,500.00	\$27,500.00		
✓ 3B	Five (5) Year Extended Warranty	5	EA	\$3,250.00	\$16,250.00		
✓ 3C	Removal Of Pre-Existing Lifts	5	EA	\$2,200.00	\$11,000.00		

Introduced on: August 21, 2024
 Adopted on: August 21, 2024
 Official Resolution #: 2024001282
 [S.A.R.] RESPONSE DOCUMENT REPORT
 Bid - VEHICLE LIFTING SYSTEM
 Page 7

ITEM #1 - LIGHT DUTY 10,000 LB. CAPACITY ASSYMETRIC TWO POST SURFACE MOUNTED FRAME CONTACT LIFT, ROTARY SPOA10, AS SPECIFIED, OR EQUAL

Manufacturer/Make/Model: Rotary SPOA10

Warranty: FIVE(5) YEAR EXTENDED WARRANTY

Delivery, A.R.O.: 30 DAYS

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
Model: SPOA10N700BL	<input type="checkbox"/>	<input type="checkbox"/>
Capacity 10,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum bay requirements:		
- Floor Space 12 Feet x 24 Feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor Slab concrete 3000 psi – 4-1/4 inch minimum; 5 inch to 6 inch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ceiling Height Requirements: 12 Feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Height to Overhead bar: 11 feet 8-1/2 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor to Overhead Switch Bar: 11 feet 2 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Width inside Columns: 107-1/4 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall Width: 11 Feet-5-3/8 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drive Through Clearance at Tires: 95 1/4 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rise:		
2-Stage Arm: 78 3/8 inches from floor level to top of adapter fully extended.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finishes (Excluding Arms) – All Arms are yellow:		
Blue Standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single Point Manual controls – Manual lock release Electric Power Unit, UL201 Compliant, and Over Hydraulic Cylinder Drive: All Models Bio-Fluid compatible.		
2hp 208-230V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Arm Configurations:		
- Standard 2-stage arms with 3 position flip-up FA adapters:		
1. Front Arm: Minimum Reach 20-1/2 inches – Maximum Reach 40-3/4 inches, Minimum Adapter height 4 3/4 inches.		
2. Rear Arm: Minimum Reach 40 1/4 inches – Maximum Reach 60 7/8 inches, Minimum Adapter Height 4 3/4 inches.		
Lift shall be installed by an authorized dealer certified by ETL testing laboratory and labeled with the ETL/Automotive Lift Institute label that affirms the lift meet conformance to all applicable provisions of American National standard ANSI/ALI ALCTV and in compliance with IBC chapter 30 section 3001.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories:		
- Thread-up Frame engaging adapter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Stackable Extensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Deep Defender	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMPLIANCE PAGES - VEHICLE LIFTING SYSTEM

ITEM #1 - LIGHT DUTY 10,000 LB. CAPACITY ASSYMETRIC TWO POST SURFACE MOUNTED FRAME CONTACT LIFT, ROTARY SPOA10, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

Installation:

- Must be completed by an authorized dealer
- Installation must adhere to manufacturers requirements listed in the installation instructions manual.
- Concrete and Anchoring:
 1. Concrete shall have a compression strength of at least 3,000 PSI and a typical slab thickness of 5-1/2" to 6". In order to achieve required anchor loads, a minimum concrete thickness of 4-1/4" and the anchor embedment of 3-1/4" is required at each anchor location. When using the standard supplied 3/4" x 5-1/2" lg. anchors, if the top of the anchor exceeds 2-1/4" above the floor grade, you DO NOT have enough embedment.

If anchors do not tighten to 110 ft.-lbs. installation torques, replace concrete under each column base with a 4'x4'x6" thick 3000 psi minimum concrete pad keyed under and flush with the top of the existing floor. Concrete must cure before installing lifts and anchors.

Electrical Requirements:

Single Phase power unit, line voltage 208v-230v 60HZ 1Ph. Size wire for 20 amp circuit.

OPTIONS:

1A. Additional cost should concrete flooring need to be replaced:

If concrete slab does not meet minimum lift manufacturer's requirements, contractor must remove and replace concrete under each lift column according the lift manufacturers guidelines, which include:

One (1) new concrete pad per lift column of the following dimensions: 4'L x 4'W x 6"D, 3000 PSI minimum concrete pad keyed under and flush with the top of existing floor

Contractor to provide price for normal conditions per pad. Normal conditions include:

- Existing concrete slab to not exceed 8" in thickness
- Existing concrete slab to not include rebar or steel reinforcement

1B. Five (5) year extended Warranty

On all parts, labor, electronics and components that will take effect after installation.

1C. Removal of Pre-Existing Lifts

ITEM #2 - LIGHT DUTY 12,000 LB CAPACITY SYMMETRIC TWO POST SURFACE MOUNTED FRAME CONTACT LIFT, ROTARY SPO12-TA, AS SPECIFIED, OR EQUAL

Manufacturer/Make/Model: ROTARY SPO12-TA

Warranty: FIVE (5) YEAR WARRANTY

Delivery, A.R.O.: 30 DAYS

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
Model: SPO12N7T5BL	<input type="checkbox"/>	<input type="checkbox"/>
Capacity: 12,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum Bay Requirements:		
- Floor Space 12 Feet x 26 Feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor slab concrete 3,000 psi – 4-1/2 inch minimum; 5 inch – 6 inch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ceiling Height Requirements:		
Standard Model: 13 feet 9 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Height to Top of Overhead Bar:		
Standard Model: 13 feet 8 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor to Overhead Switch Bar:		
Standard Model: 13 feet 4 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Width Inside Columns: 114-7/8 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall Width: 11 feet 5-5/8 inch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rise:		
Model 3- Stage Arm: 78-1/8 inches from floor level to top of adapter fully extended.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finishes (Excluding Arms) – All Arms are Yellow:		
Blue, Standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single Point Manual Controls – Manual Lock Release Electric Power Unit, UL201 Compliant, Over Hydraulic Cylinder Drive: All Models bio-fluid compatible:		
2hp 208-230V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Arm Configurations:		
- 3-Stage Arms with TA adapters T Series 12,000lb capacity:		
Front and Rear Arms: Minimum Reach 27-1/2 inches – Maximum reach 59 inches, Minimum Adapter height 4-3/4 inches.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories:		
Door Defender	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift shall be installed by an authorized dealer certified by ETL testing laboratory and labeled with the ETL/Automotive Lift Institute label that affirms the lift meet conformance to all applicable provisions of American National standard ANSI/ALI ALCTV and in compliance with IBC chapter 30		
Introduced on: August 21, 2024 Revised on: August 21, 2024 Official Resolution#: 2024001282	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ITEM #2 - LIGHT DUTY 12,000 LB CAPACITY SYMMETRIC TWO POST SURFACE MOUNTED FRAME CONTACT LIFT, ROTARY SPO12-TA, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

Installation:

- Must be completed by an authorized dealer
- Installation must adhere to manufacturers requirements listed in the installation instructions manual.
- Concrete and Anchoring:

Concrete shall have a compression strength of at least 3,000 PSI and a typical slab thickness of 5-1/2" to 6". In order to achieve required anchor loads, a minimum concrete thickness of 4-1/4" and the anchor embedment of 3-1/4" is required at each anchor location. When using the standard supplied 3/4" x 5-1/2" lg. anchors, if the top of the anchor exceeds 2-1/4" above the floor grade, you DO NOT have enough embedment.

If anchors do not tighten to 110 ft.-lbs. installation torques, replace concrete under each column base with a 4'x4'x6" thick 3000 psi minimum concrete pad keyed under and flush with the top of the existing floor. Concrete must cure before installing lifts and anchors.

Electrical Requirements:

Single Phase power unit, line voltage 208v-230v 60HZ 1Ph. Size wire for 30 amp circuit.

OPTIONS:

2A. Additional cost should concrete flooring need to be replaced:

If concrete slab does not meet minimum lift manufacturer's requirements, contractor must remove and replace concrete under each lift column according the lift manufacturers guidelines, which include:

One (1) new concrete pad per lift column of the following dimensions: 4'L x 4'W x 6"D, 3000 PSI minimum concrete pad keyed under and flush with the top of existing floor

Contractor to provide price for normal conditions per pad. Normal conditions include:

Existing concrete slab to not exceed 8" in thickness

Existing concrete slab to not include rebar or steel reinforcement

2B. Five (5) year extended Warranty

On all parts and labor Warranty on all parts, labor, electronics and components that will take effect after installation.

2C. Removal of Pre-Existing Lifts

ITEM #3 - 20,000 LB. CAPACITY SYMMETRIC TWO POST SURFACE MOUNTED FRAME CONTACT LIFT, ROTARY SPO20, AS SPECIFIED, OR EQUAL

Manufacturer/Make/Model: ROTARY SPO20

Warranty: FIVE (5) YEAR WARRANTY

Delivery, A.R.O.: 30 DAY

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
Model: SPO20NOTOBL	<input type="checkbox"/>	<input type="checkbox"/>
Capacity: SPO20: 20,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum Bay Size: 15 by 30 feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhead Clearance Required: Standard Model: 16 feet 8 inches <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Width: 161 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rise 80 1/32 Inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drive Through Width: 111 11/32 inches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lifting Arm and Adapter Configurations: 5 and 10 inch screw up adapter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Motor: 4HP/208v-230v	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controls: Single Point Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manual Lock-Release Electric Power Unit: Over Hydraulic Cylinder; UL201; bio-hydraulic fluid compatible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electric Requirements: 208-230 VAC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Full Rise: 81 Seconds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift shall be installed by an authorized dealer certified by ETL testing laboratory and labeled with the ETL/Automotive Lift Institute label that affirms the lift meets conformance to all applicable provisions of American National Standard ANSI/ALI ALCTV and in compliance with IBC Chapter 30 Section 3001.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories:		
- Door Defender		
- Lift Arm Adapters		
o Truck Adapter Extension Kit		
o Car Adapter Extension Kit, 3.5 Inch		
o Car Adapter Extension Kit, 5 Inch		
o Flip Up Adapter		
o Frame Adapter		
o Extended Height Adapter	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: August 21, 2024
Adopted on: August 21, 2024
Extended Height Adapter

ITEM #3 - 20,000 LB. CAPACITY SYMMETRIC TWO POST SURFACE MOUNTED FRAME CONTACT LIFT, ROTARY SPO20, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

Installation:

- Examine electrical rough-in for proper locations of connections
- Correct out-of-tolerance work and other deficient conditions prior to proceeding with installation
- Attach lifts securely to concrete floor slab. Comply with Manufacturer's written instructions
- Install lifts after adjacent finishing work, including painting, has been completed
- Install Manufacturer-provided drive motor and mechanism and adjust for quiet, smooth operation of the lifting and lowering mechanism
- Concrete and Anchoring:
 - o Concrete shall have a compression strength of at least 3,000 PSI and a typical slab thickness of 5 1/2" to 6". In order to achieve required anchor loads, a minimum concrete thickness of 4 1/4" and the anchor embedment of 3 1/4" is required at each anchor location. When using the standard supplied 3/4" x 5 1/2" long anchors, if the top of the anchor exceeds 2 1/4" above the floor grade, you DO NOT have enough embedment.
 - o If anchors do not tighten to 110 ft-lbs. installation torques, replace concrete under each column base with a 6'x6'x6" thick 3000 PSI minimum concrete pad keyed under and flush with the top of the existing floor. Concrete must cure before installing lifts and anchors.
- Adjust and service the operating mechanisms. Verify lift and safety device operation.
- Clean finished surfaces as recommended by partition manufacturer.
- Electrical Requirements: Single phase power unit, line voltage 208v-230v 60HZ 1Ph. Size wire for 20-amp circuit.

OPTIONS:

- ✓ **3A. Additional Cost Should Concrete Flooring Need to Be Replaced, As Specified Under "Installation"**
- ✓ **3B. 5 year extended parts and labor Warranty on all parts electronics and components that will take effect after installation**
- ✓ **3C. Removal of Pre-Existing Lifts**

[STERTIL-KONI.COM] RESPONSE DOCUMENT REPORT

Bid No. TBD

VEHICLE LIFTING SYSTEM

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	No Bid	Comments
✓ 4	Stertil Koni St1085-2fwa Ebright Mobile Lifting System, As Specified, Or Equal	5	EA	\$48,153.00	\$240,765.00		
OPTIONS							
✓ 4A	Battery Operated Rechargeable Led Lights	5	EA	\$3,524.00	\$17,620.00		
✓ 4B	Five (5) Year Extended Warranty	5	EA	\$1,114.00	\$5,570.00		
✓ 4C	Multi-Purpose Adapters For North And South Lifting	5	EA	\$3,782.00	\$18,910.00		
✓ 4D	Digital Weight Indication Feature	5	EA	\$1,554.00	\$7,770.00		
TOTAL					\$290,635.00		

Introduced on: August 21, 2024

Adopted on: August 21, 2024
 Official Resolution #: 2024001282

[STERTIL-KONI.COM] RESPONSE DOCUMENT REPORT

Bid - VEHICLE LIFTING SYSTEM

✓ **ITEM #4 - STERTIL KONI ST1085-2FWA EBRIGHT MOBILE LIFTING SYSTEM, AS SPECIFIED, OR EQUAL**

Manufacturer/Model: Stertil-Koni USA, Inc. / ST-1085-2FWA

Warranty: 2 year parts and 1 year labor + year 2 through year 5 parts-only warranty for mobile lift hydraulic cylinders + Lifetime warranty on nylon guide rollers used in Stertil-Koni lifting products that utilize such rollers.

General Description:

COMPLIANCE
YES **NO**

A Stertil Koni ST1085-2FWA_Ebright, or equal, lifting system or set for vehicles shall be composed of interchangeable columns. The size of the set shall be configurable by the operator at time of set up without the need to modify the operating system. (Minimum of 8 columns) When the lifts are set up as a set, it shall be possible to operate any single column, a pair of columns or all columns together, at the same time.

Each column shall contain its own power supply, which consists of two deep cycle (group 31) 12 VDC batteries combined to provide a stable 24 VDC power supply.

The main power shall be fused between the primary power switch and the motor/control circuits to protect overload.

When fully charged, the on board battery power system shall be capable of 19 lifting/lowering cycles at 100% of lifting capacity and 28 lifting/lowering cycles at 50% of lifting capacity.

The 24 VDC on board power supply shall incorporate a built in recharging system with pictograph on the display so the operator can visually verify charging status.

The recharging system shall be built in 110 VAC battery charger with indicator lamps. The battery charger shall be enclosed within a steel cabinet for protection from damage. The charger indicator lamp shall be easily visible through a sight glass mounted externally in the control cabinet. The indicator lamp shall be illuminated steady red when the system is recharging, green when batteries are fully charged, and flashing green when the charger is providing a trickle charge. It shall be possible to operate the lifting column while the battery charger is actively charging the battery.

The base frame of the lifting column shall be of a rectangular design. The contact pattern to the foundation under the column shall be triangular in design to ensure uniform contact with the lifting foundation.

Lifting Capacity:

Each Individual column shall have a nominal rated capacity of 18,500 lbs.

Introduced on: August 21, 2024
Adopted on: August 21, 2024
Official Resolution#: 2024001282

ITEM #4 - STERTIL KONI ST1085-2FWA EBRIGHT MOBILE LIFTING SYSTEM, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
Dimensions:		
The achieved lifting height of the column shall be no less than 73 inches when measured from the foundation on which the column rests to the top of the lifting fork.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Column Height shall not be greater than 97 inches when full lowered and 143.5 inches when the carriage has achieved maximum height.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Column lifting fork shall be 14 inches in length.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tire Size:		
Wheel contact forks shall be adjustable by hand and freely accept tires with rim diameters between R10 and R22.5. The adjustable forks shall incorporate a mechanical locking device to ensure the fork cannot relocate/adjust during use.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pallet Jack Mechanism:		
The pallet jack mechanism shall have a gas shock incorporated into its design, which shall serve as a safety mechanism to ensure that the mobile column is not lifting, while the pallet jack is extended. If the operator fails to lower the pallet jack after column positioning, as soon as the column experiences load during a lifting cycle, the gas shock will retract to lower the column to its foundation for stable lifting. The second purpose of the pallet jack gas shock shall be to dampen the impact of floor imperfections experienced while the column is relocated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wheels:		
The column shall be fitted with fixed front roller wheels fabricated from oil impregnated nylon so as to be non-destructive to the foundation on which the column rests.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floor Pressure at the front roller wheel shall be no greater than 7,200 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drive Mechanism:		
The drive system shall be hydraulic and shall permit lifting without any pulsation, jerks, or unsteady lifting. Lifting shall be smooth. The hydraulic power unit shall be an electrically powered pump, flow control valves, and a fluid reservoir.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lifting carriage shall ride on durable, oil-filled nylon guide rollers. Guide rollers shall require no lubrication and no maintenance.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each hydraulic cylinder shall be equipped with a hose burst check valve to prevent descent in the event of a major fluid leak.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ITEM #4 - STERIL KONI ST1085-2FWA EBRIGHT MOBILE LIFTING SYSTEM, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

Controls:

The various functions of the mobile lifting system shall be initiated from the control panels on the columns.

Each Control box shall include:

- 1) "Up" Button
- 2) "Down" Button
- 3) "Lock Release" Button
- 4) "Confirm" Button
- 5) Mushroom Style Emergency stop button

6) A high definition 7 inch LCD screen touch. The touch screen shall be specifically designed for a harsh workshop environment. The touch screen shall be capable of providing the following functions:

- Column Selection Indicator: This area of the touch screen display shall inform the operator of which columns in the set have been selected for operation.
- Battery Charge indicator: This area of the touch screen display shall inform the operator of the charge condition of the battery power supply.
- Column Height Indicator: This area of the touch screen display shall inform the operator of the height of the individual column. The operator shall have the ability to easily toggle between individual imperial or metric units of height measurement. (inches or mm) The column height indicator shall also provide on the touch screen a clear indicator if the column has been set to stop at a restricted lifting height. This indicator shall be displayed as a thick horizontal line in the height display region of the touch screen. As the column rises, the screen will mimic the column and display the lifting fork rising up towards the horizontal restricted height indicator bar. Once the lifting fork shown on the display arrives at the restricted height indicator bar, the column shall stop rising.
- Column Speed Indicator: This area of the touch screen shall inform the operator of the speed of the lifting system. The speed indicator shall have the ability to adjust the lowering to 30% of full lowering speed.
- Column Fault Code Indicator: When a fault code has been registered by the control system, the touch screen shall inform the operator of any fault codes affecting the lifting set. The control system shall have the ability to display 42 individual fault codes.
- One-touch access to the Guide Screen: This area of the touch screen provides to the operator access to the guide screen. The Guide screen shall provide to all system users:
 - 1. Calculator
- One-touch access to the Information Screen : This area of the touch screen provides to the operator access to:
 - 1. Owner information
 - 2. Service Provider Information
 - 3. Manufacturer information

ITEM #4 - STERTIL KONI ST1085-2FWA EBRIGHT MOBILE LIFTING SYSTEM, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

Controls: (Cont'd)

6) (Cont'd)

- One-touch access to the Settings Screen which displays 5 options which allows management of:
 1. Setting Screen Option (1): On this screen, operators shall have the ability to change the language displayed on the screen as well as the units of measure for height and weight (imperial or metric units)
 2. Setting screen option (2): On this screen, operators shall have the ability to retract the mechanical locks during raising for reduced noise, as well as to set a restricted maximum lifting height.
 3. Area to allow for future expansion
 4. Portal to Shop Screen: access to this screen requires a PIN with details of the shop screen provided below.
 5. Portal to Information Screen Option: Access to this screen requires a PIN with details of the Information Screen provided below.

- One-touch access to the Shop Screen options (access to the shop screen shall be generally provided to only maintainers and system administrators). The shop configuration screen shall allow manipulation of:

1. Edit of owner's details: on this screen shall be the ability to edit the information displayed on the Owner's field.

- Access to the Information Screen, which displays 9 options (Access to the Information screen shall be generally provided to only maintainers and system administrators). The maintenance configuration screen shall allow manipulation of:

Screen 1

- a. Initiation of foot protection, which guards against a crushing hazard during lowering. This safety system, when enabled, will stop lowering as the column reaches 18 inches above finished floor. At that time, the operator is provided a chance to inspect and ensure that there are no obstructions in the area of the vehicles and lifts. After confirmation that the vehicle and lift area is clear of obstructions, the operator simply needs to retract the mechanical safety locks again and complete the lowering cycle to bring the lift completely to the floor.
- b. Ability to disable height difference monitoring to aid in trouble shooting. Once initiated, this control system option allows the maintainer to operate the lifting system outside normal safety limits. This system is only for use by the lift system maintainer during repair procedures. This system option will automatically be disabled and the control system returns to default operating parameters after 10 minutes.

ITEM #4 - STERTIL KONI ST1085-2FWA EBRIGHT MOBILE LIFTING SYSTEM, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

Controls: (Cont'd)

6) (Cont'd)

Screen 1 (Cont'd)

- c. Ability to apply a set value to height monitoring system to aid in troubleshooting. Once initiated, this control system option substitutes a fixed value for the height monitoring device in a particular column. This system is only for use by the lift system maintainer during repair procedures. This system option will automatically be disabled and the control system returned to default operating parameters after 2 minutes.

Screen 2

- a. Ability to select wireless operating channel to minimize interference.
- b. Ability to view total lift system run time to properly plan for lift system maintenance.
- c. Ability to view individual column motor run time to properly plan for lifting system maintenance.

(Screens 3, 4 and 5 – Allow for future expansion)

Screen 6

- a. (Backup and Restore) Ability to restore control system to default settings.

Screen 7

- a. (Software Version) Ability to review system operating information.

Screen 8

- a. Ability to establish column type
- b. Ability to establish motor type, VDC or VAC
- c. Ability to establish control system communication protocol
- d. Ability to enable or disable weight measuring.

Screen 9

- a. (Battery Settings) Ability to establish at what voltage the system will display that the battery system is weak.
- b. Ability to establish at what voltage the system will display that the battery is empty.

- All control panels shall have automatic synchronization through the full stroke of the hydraulic cylinder with a maximum tolerance of 2 inches. (50 mm) Control system will actively control hydraulic correction to maintain level synchronization, unless a column deviates more than 2.4 inches (60 mm) inches from any other column, at which point all motion halts.

ITEM #4 - STERTIL KONI ST1085-2FWA EBRIGHT MOBILE LIFTING SYSTEM, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
Controls: (Cont'd)		
6) (Cont'd)		
- Each Column shall be fitted with an individual analog height-measuring device. This height-measuring device shall ensure that the height of each column in the set remains synchronized at the height initiated by the operator. The height-measuring device shall also allow, through single operation, that the operator can raise or lower any column to alternate heights within the tolerances set by ALI in its manual entitled "Lifting It Right".		
- The wireless communication system shall utilize mesh-style wireless technology and be properly shielded from external interference in the workshop.		
- The mobile column lift battery charger shall operate at the following voltages: 110VAC	☒	☐

Control Panel Shall be rated at IP 65. ☒ ☐

Safety Devices:

An independent and fail-safe mechanical locking system shall be present on each column. This safety device shall be totally independent from the lifting drive system.

- Increments on lifting carriage-locking profile shall not be greater than 1.375 inches (35mm) and the first locking position shall engage after no more than 5.0 inches (120 mm) of lifting.
- A locking "pawl and ratchet" system shall be used to ensure proper and automatic locking at any height and at all times. All locking notches shall be integrated into the lifting carriage. The locking pawl shall be mounted to the inside of the column and function as a wedge between the column and the lifting carriage. The locking pawl design shall utilize gravity, with a spring assist, to ensure the locking pawl is always engaged into the locking ladder. The mechanical safety lock shall be automatically engaged at all times when the lift is not operating.

☒ ☐

Mobile Lifts must include six (6) Key Fobs per set of lifts. ☒ ☐

OPTIONS:

4A. Battery operated rechargeable LED lights.

Lights shall affix to any mobile column needed, including multiple lights at one time on the same column. Nothing shall be permanently mounted. UL Approved (Qty- 2 per column)

☒ ☐

4B. Five (5) year extended warranty

Warranty shall be for all covers, parts, electronics and components that will take effect after installation.

☒ ☐

4C. Multi-Purpose adapters for North and South lifting

Multi-purpose wide reach adapters shall attach on the carriage forks. 44,000 lbs capacity. Includes two (2) U shaped sliding adapters

☒ ☐

ITEM #4 - STERTIL KONI ST1085-2FWA EBRIGHT MOBILE LIFTING SYSTEM, AS SPECIFIED, OR EQUAL (CONT'D)

OPTIONS: (Cont'd)

COMPLIANCE
YES **NO**

4D. Digital Weight Indication Feature

Integrated into each screen of the vehicle lifts. The on-board weight indication shall allow for real time weight of the load being raised on each column. The weight can be added together via a calculator integrated into the screen.