

THE DISTRICT SCHOOL BOARD OF HENDRY COUNTY  
PURCHASING DEPARTMENT

\*REQUEST QUOTATION\*

863-674-4100

**QUOTE-NUMBER Q21-0004**

DATE .....	August 24, 2020
DATE TO BE RETURNED .....	September 4, 2020 <b>TIME: 12:00 P.M.</b>
RETURN QUOTE TO: PURCHASING DEPARTMENT P. O. BOX 1980 111 CURRY STREET LABELLE, FL 33975-1980	
Quotes received by telephone, telegraph, email or facsimile machines shall be considered non-responsive.	

**\*\*\*\*\*ALL BIDS MUST BE CLEARLY MARKED\*\*\*\*\***  
**\*\*\*\*\*WITH BID NUMBERS ON THE OUTSIDE OF THE ENVELOPE\*\*\*\*\***  
**\*\*\*\*\*PLEASE PLACE SPECIAL LABEL ON THE OUTSIDE OF BID PACK\*\*\*\*\***

**CATEGORY – Disc/Drum/Air Brake Trainer**  
(SPECIFICATIONS ATTACHED)

VENDOR INFORMATION: \_\_\_\_\_  
Name of Company

\_\_\_\_\_

License Number

\_\_\_\_\_

Address                      State      Zip

\_\_\_\_\_

By (Signature)

\_\_\_\_\_

Title                                      Date

THE SCHOOL BOARD RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS  
IN WHOLE OR IN PART.

GENERAL CONDITIONS

DELIVERY:

Quoted price must include shipping/freight/handling fees.

Delivery address: Clewiston Adult School  
Diesel Technician Lab  
601 West Pasadena Ave.  
Clewiston, Fl. 33440

POINT OF CONTACT: Mike Swindle 863-983-1511

COOPERATIVE PURCHASING

It is hereby made a precondition of quoting and a part of these specifications that the submission of any quote in response to this request constitutes a quote made under the same conditions, for the same price, and for the same effective period as this quote to all other governmental units in Hendry County.

It is further understood that any other governmental unit that elects to purchase against the award will issue its own purchase orders, and will require separate billing.

PUBLIC ENTITY CRIMES

A person who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

ANTI-COLLUSION STATEMENT

The below signed quoter has not divulged to, discussed or compared his quote with other quoters and has not colluded with any other quoter or parties to a quote whatsoever. Note: no premiums, rebates, or gratuities to any employee or agent are permitted either with, prior to, or after any delivery of materials. Any such violation will result in the cancellation and/or return of material (as applicable) and the removal from the master bidders list.

FIRM NAME \_\_\_\_\_

BY (PRINTED) \_\_\_\_\_

BY (SIGNATURE): \_\_\_\_\_

TITLE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NO.:

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#### INSURANCE GUIDELINES

This standard insurance language is to be utilized for all vendors conducting business or commerce with the Hendry County School District. These requirements may not be sufficient or adequate to protect the vendor's interest or liabilities, but are merely minimums.

#### COMPREHENSIVE GENERAL LIABILITY

Coverage shall apply to premises and/or operations, products, and/or completed operations, independent contractors, contractual liability, broad form property damage, and XC + LI exposures with minimum limits of:

- \$100,000 bodily injury per person (BI)
- \$300,000 bodily injury per occurrence (BI)
- \$100,000 property damage (PD)
- \$300,000 combined single limit (CSL) of BI + PD

#### BUSINESS AUTOMOBILE LIABILITY

Coverage shall apply to owned vehicles, hired and/or non-owned vehicles, and employee non-ownership with minimum limits of:

- \$100,000 bodily injury per person (BI)
- \$300,000 bodily injury per occurrence (BI)
- \$100,000 property damage (PD)
- \$300,000 combined single limit (CSL) of BI + PD

A certificate of insurance naming Hendry County School District as additional insured must be provided prior to issuance of a purchase order.

HENDRY COUNTY, FLORIDA  
PROPOSAL QUOTE FORM  
FOR BID Q21-004

DATE SUBMITTED: \_\_\_\_\_

TO: The District School Board of Hendry County  
Attn: Finance Dept.  
P.O. Box 1980  
LaBelle, Florida 33975

Having carefully examined the "General Conditions". The undersigned proposes to provide the following **Disc/Drum/Air Brake Trainer** per specifications listed below.

**(1) Air brake driving simulator which allows for road tests and live scan tool data stream in the classroom or lab. Designed around the FMVSS121 standard.**

Tractor **must** be a Bendix® EC-60 premium system and WABCO RSS Plus with ABS and rollover protection electronic stability control.

Each section (tractor and trailer) mounted on metal panels on 3" powder-enamel coated tubular steel with two fixed and two swivel casters with locks.

Air brake driving simulator **must** include a minimum of 39 student assignments.

**MUST** allow for the following:

- Performing pre-trip inspections;
- Learning the foundation air brake system;
- Performing electrical and pneumatic diagnosis with the aid of fault boxes and defective components (see Line 6, below);
- Full coverage of the foundation brake's functions with the drum front axle, spring brake disc, and spring brake drum wheel ends (see Lines 3-5 below) for visualization of the slack adjusters and the effects of over or under adjustment of the brakes;
- Road condition simulation (wet, dry, icy); and,
- Pressure testing at multiple locations.

**MUST** include:

- D.O.T. approved components;

- Real accelerator pedal;
- Real brake pedal;
- Mock steering wheel;
- All controls typically found in a truck positioned so that the instructor can face the student group;
- PP valve;
- Trailer hand valve;
- Primary, secondary, and applied air gauges;
- Murphy gauge showing live data from the CAN bus, including vehicle speed;
- Ignition key;
- Datalink connector;
- Pedals mounted to diamond plate aluminum to allow students to see details of the foot valve porting, fitting, and tube configuration;
- Driving simulation reaction to driver inputs from driver control section in real-time.
- Proportional braking and acceleration;
- Indicator lights on dashboard for ABS/ATC;
- Steady state switch to allow instructor or student to lock in parameters and leave the system running for an indefinite amount of time to demonstrate functions of the system in detail;
- Twelve (12) electrical and six (6) pneumatic faults for tractor;
- Six (6) electrical and three (3) pneumatic faults for trailer;
- Two (2) pressure gauges in the operation area, one for shop air, one for regulated air input into the trainer;
- Dedicated pneumatic cylinder to represent unloader valve actuation for governor cut-out and switch;
- Variable reluctance wheel speed sensor at each wheel which react live to different inputs from the driver as well as road conditions;
- Brake lights on both tractor and trailer boards;
- Industry standard 7-way connector for tractor and trailer board connection;
- Switchable faults located in ABS/ATC and multiplex system;
- Industry standard glad-hands to connect tractor and trailer;
- Faulted components (see Line 6, below) mounted with thumbnuts for ease of removal and installation;
- D.O.T. approved push-to-connect fittings and tubing;
- Bendix® AD-IS air dryer with wet tank and safety valve;
- Drain valves on primary and secondary tanks;
- Safety valves on all tanks set to industry standard 150 psi;
- Key connections with auto-exhausting shut off valves to facilitate testing and measurement for troubleshooting and problem solving; and,
- CE approved 120VAC / 24VDC power supply and DC converter.

Air requirements: Local shop air with 140 psi.

Electrical requirement: 120VAC 60Hz 20A wall socket.

### **(1) Trailer Disc brake with spring brake for air brake driving simulator**

Complete non stand-alone (w/o valves, or pedal) Bendix® disc type air brake with spring brake, mounted on a powder-enamel coated, 3” tubular steel base with two fixed and two swivel casters with locks.

MUST be compatible with the Air brake driving simulator on Line 2, above.

**MUST** allow for full visualisation of the air brake disc type assembly without the access limitations of a complete vehicle.

**MUST** include the following:

- Cutaway to show the mechanical actuation of the caliper; and,
- Connections for service and parking brake.

### **(1) Trailer Drum brake with spring brake for air brake driving simulator**

Non stand-alone trailer S-cam drum with spring brake alone with Meritor® slack adjuster (without valves, or pedal) mounted on powder-enamel coated, 3” tubular steel base with two fixed casters and two swivel casters with locks.

MUST be compatible with the Air brake driving simulator on Line 2, above.

**MUST** allow for the following:

- Easy student visualization of the “S” cam and associated mechanism without the access limitations of a complete vehicle;
- Complete operational air brake drum type.

**MUST** include the following:

- Parking (spring) brake;
- Air brake drum assembly; and,
- Connections for service and parking brake.

### **(1) Front Drum brake without spring brake for air brake driving simulator**

Non stand-alone Macpek drum brake and axel with Meritor® slack adjuster, front tractor drum with no spring brake alone (no valves, no pedal, mounted on powder-enamel coated, 3” tubular steel base with two fixed casters and two swivel casters with locks.

**MUST** allow for the following:

- Full visualization of the front air brake drum type assembly without the access restrictions of a complete vehicle;
- Must be compatible with the Air brake driving simulator on Line 2, above, to duplicate actual drum type air brake function; and,
- Complete operational air brake drum type.

**MUST** include the following:

- Macpek air brake drum assembly; and,
- Connections for service brake.

### **(1) Set of defective components for air brake driving simulator**

Five (5) defective components designed for troubleshooting of valves on air brake driving simulator beyond the faults included in the air brake driving simulator.

Components must easily install on air brake driving simulator and replace working components.

Set of defective components must include:

- 2x – faulted modulator valves;
- 1x – faulted quick release (QR) valve;
- 1x – faulted traction control relay; and,
- 1x – faulted wheel speed sensor.

### **(1) Set of breakout boxes with T-harness for air brake driving simulator**

Full breakout box for the Bendix® ECM with “T” harness.

Breakout box equipped with 4mm terminals and OEM identification and terminology.

“T” harness **MUST** allow for breakouts to the following:

- Modulator valves;
- Traction control relay; and,
- Wheel speed sensors.

### **(1) NEXIQ USB Link 2**

NEXIQ USB-Link™ 2 Bluetooth Edition vehicle interface from NEXIQ Technologies®.

Pricing:

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COMPLETION DATE:

Calendar Days after notification of award \_\_\_\_\_.

**TABULATION OF BID # Q21-0004 – Disc-Drums-Air Brakes  
Trainer**

(Finance Office) Time: Noon 9/4/2020

	LJ Create	Consulab	ATech	
<u>ITEM # BRIEF DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>UNIT PRICE</u>	<u>UNIT PRICE</u>	<u>UNIT PRICE</u>
RFPQ #Q21-0004 Disc-Drums-Air Brakes Trainer Proposal	No Response	\$65,304.00	No Response	
<b>TOTAL:</b>		\$65,304.00		

Non Response Vendors. – LJ Create & ATech

**BOARD APPROVED**

9/22/2020

Opened by: *Wendy S Becker,*  
Purchasing Dept., Finance

Witness by: *Favi Luna,*  
Student Records, Finance