

**STATE OF OKLAHOMA  
DEPARTMENT OF TRANSPORTATION**

EQUIPMENT SPECIFICATION

39-05

04/2018

**SOLAR POWERED FOLDING FRAME ARROW BOARD  
TRAILER MOUNTED**

**GENERAL:** This directional arrow board must be the latest current model complete with manufacturer's standard equipment, accessories and warranty for model bid. This equipment must be complete, serviced and ready for operation at the time of delivery.

**FILL IN ALL SPACES SHOWING SPECIFIC INFORMATION, FAILURE TO COMPLY COULD RESULT IN BID REJECTION.**

**EXAMPLE MODEL:** Wanco WTSP55-LSA or K&K AT254896

**VENDOR'S PROPOSED:** MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

**MINIMUM REQUIREMENTS**

**VENDOR'S PROPOSED**

**GENERAL SPECIFICATIONS:**

Board shall be constructed of aluminum sheets and welded channels

\_\_\_\_\_

Frame shall be all welded structural steel

\_\_\_\_\_

Shall have bolt on fenders

\_\_\_\_\_

Finish shall be powder coated and oven baked

\_\_\_\_\_

Controller shall be self-contained, state electronics. Located in a lockable weather resistant hard case enclosure and away from traffic

\_\_\_\_\_

**Display shall consist of 25 – high output amber LED lamps with arrow and Chevron display modes**

\_\_\_\_\_

**Display shall also include a minimum of 40 watt solar charging system with solid state voltage regulator with charge indicator**

\_\_\_\_\_

Display shall be automatic dimming

\_\_\_\_\_

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**VENDOR'S PROPOSED**

Dual PTC resettable fuses

\_\_\_\_\_

Reverse polarity protection

\_\_\_\_\_

Low voltage disconnect

\_\_\_\_\_

Heavy Duty hand-winch with safety brake

\_\_\_\_\_

Four adjustable stabilizer legs and tow bar screw jack

**AXLE ASSEMBLY:**

2000 lb capacity tubular axle

\_\_\_\_\_

5-hole 4.5 inch bolt circle pattern on idler hub

\_\_\_\_\_

60 inch wheel track

\_\_\_\_\_

Double eye leaf springs, 1200 lb capacity per sprint

\_\_\_\_\_

**POWER:**

Two leak and spill proof valve regulated lead acid (VRLA)  
(12) volt batteries

\_\_\_\_\_

Battery capacity: Sufficient to power the arrow board through  
14hrs. of night-time operation

\_\_\_\_\_

Solar charging: One adjustable solar panel and assembly

\_\_\_\_\_

**MISC**

15 inch tires - **MINIMUM**

\_\_\_\_\_

Maintenance free batteries

\_\_\_\_\_

2" Bulldog hitch

\_\_\_\_\_

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**MINIMUM REQUIREMENTS**

**VENDOR'S PROPOSED**

**MUST MEET MUTCD REQUIREMENTS**

**MANUAL AND PARTS BOOKS:**

Successful bidder shall furnish one (1) Operators Instruction Manual for each arrow board. In addition, one (1) Parts Book and one (1) Illustrated Repair Manual shall be furnished to each Division purchasing one or more arrow boards.

**SPECIFICATIONS:**

Each Bidder shall submit complete manufacturer's specification in duplicate and shall submit all other data to show that his proposal meets these specifications.

**INSPECTION AND DELIVERY OF EQUIPMENT TO COMPLY WITH VENDOR'S  
INSTRUCTION SHEET.**

**THE STATE OF OKLAHOMA RESERVES THE RIGHT TO WAIVE MINOR  
TECHNICALITIES UNDER THESE SPECIFICATIONS.**

**COMPLIANCE:**

Bidder shall furnish a statement in writing on the Bid, in the Vendor's Statement below, or by an attached letter stating the Equipment proposed strictly meets these Specifications. If not, he shall list each variation therefrom.

**USAGE AND SERVICE:**

The bidder must provide assurance of the availability of repair parts and technical service at various locations with the State of Oklahoma.

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(Complete the following)

**List parts and service locations in Oklahoma**

Name:

\_\_\_\_\_

Address:

\_\_\_\_\_

City:

\_\_\_\_\_

Phone:

\_\_\_\_\_

Name:

\_\_\_\_\_

Address:

\_\_\_\_\_

City:

\_\_\_\_\_

Phone:

\_\_\_\_\_

VENDOR'S STATEMENT (EQUIPMENT PROPOSED COMPLIES): YES: \_\_\_\_\_ NO: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

DEALER: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ PHONE: \_\_\_\_\_

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