State of Illinois

Department of Transportation

Bureau of Business Services

**Specifications and Questionnaire**

**For International Road Dynamics (IRD) PAT SAW 10C/III Aluminum Portable Wheel Load Scale and Electronic Accessories**

November 2019

This specification and questionnaire covers individual wheel load portable electronic scales for use by the Department of Transportation in determining truck axle loading.

Each bidder shall submit with their bid two sets of descriptive literature and specifications describing all the equipment proposed. This information shall be clearly marked to indicate the make, model, and accessories proposed to be furnished.

Bidders quoting on equipment other than specified must submit with their bid written proof of the following:

* The equipment proposed equals or exceeds that specified in all respects including capacity, operating features, and accessory items.
* The manufacturer of the equipment proposed has been actively involved in the manufacture of the equipment called for in the Proposal for a period of not less than 5 years and has produced and sold such equipment to the satisfaction of previous buyers.
* Parts and service for the equipment proposed are readily available to the State of Illinois.

It is the responsibility of each bidder to complete and return this questionnaire with the bid.

**Unless otherwise specified, the proposed equipment shall be complete in all parts and ready for immediate use upon delivery.**

**Bidders are advised to carefully read these specifications as changes have been made since the last solicitation issue.**

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| **Proposed With This Bid:** |
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| Make: |       |
| Model: |       |
| Manufactured By: |       |
| Bidder: |       |
|  |       |
|  |       |
| Telephone: |       |
| Contact Name: |       |
| Email: |       |

The Illinois Department of Transportation reserves the right to waive minor informalities, deficiencies or technical variances which by their nature are restrictive to a given manufacturer, if in its’ judgement, it would be in the best interest of the State to do so and it would not prejudice the rights of other bidders.

Serviceability will be a factor in award. Successful bidder shall either be able to provide service after purchase or shall indicate other qualified service facilities able to service equipment, within a reasonable period of time at agency locations. Bidder shall provide documentation and enumerating service locations. A Review of the bidder's ability to provide prompt parts and service to the State of Illinois and in particular to the delivery location, will be considered in determining award.

Bids will only be accepted from established manufacturers or their authorized dealers. Any dealer submitting a bid hereby guarantees that it is an authorized dealer of the manufacturer and that the manufacturer has agreed to supply the dealer with all quantities of products required by the dealer in fulfillment of its obligations under any resultant contract with the State. Bidder must submit authorized dealer letter upon request.

**Warranty:**

Unless otherwise specified, Manufacturers’ standard warranty shall be provided. **Bidder shall attach copies of warranty with their bid****. Warranty shall commence at the Illinois Department of Transportation in-service date.** If any equipment fails to conform to the warranties during the applicable warranty period, the Vendor or Manufacturer will adjust, repair or replace the equipment at no charge to the Department as soon as possible upon notice from the Department. Equipment shall be repaired on-site and will be performed at no additional cost to the Department.

The Vendor may provide or perform warranty service at a dealer location within the Districts geographic region if on-site repair is not possible. Vendor shall facilitate pickup and delivery of equipment at Vendor's cost if warranty repair(s) are made off-site during the warranty period. The contract Vendor is responsible for any failure of their allied or sub-contractors fulfillment of said warranties. Failure to provide this service shall result in a “Complaint to Vendor” that could affect future bid awards.

**Delivery:**

It will be the responsibility of the successful vendor to guarantee delivery within the quoted time and to require allied manufacturers or suppliers to complete the installation of auxiliary equipment in accordance with the quoted delivery time.

Failure to comply with the quoted delivery time because of delays resulting from the inability of suppliers of allied equipment such as bodies, snowplows, spreaders, etc., may be reason to refuse to consider similar items from those suppliers on future bids.

All equipment provided by the Vendor and the sub-contractor(s) shall be fully operational when delivery is made. Any noted defects at the time of delivery shall be addressed by Vendor in the first 30 days of in-service.

Bidder/Vendor acknowledges the requirements above. Yes [ ]  No [ ]

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| Bidder/Vendor Initials: |       | Date: |       |

**Note: If the equipment proposed exceeds the minimums called for in the specification please do not mark NO. Mark Yes and explain with a short comment on how it exceeds.**

**Portable Scales:**

To ensure state wide standardization these specifications define an International Road Dynamics (IRD) PAT SAW 10C/III, fully electronic portable wheel load weighing system with integrated read out, rechargeable, self-contained power source.

***Note:*** Substitutions will not be acceptable for this solicitation.

Units will be purchased in sets. Each set shall include the following:

1. Electronic wheel load scales – 8 each

Complies: Yes [ ]  No [ ]

**Component Specifications:**

Wheel Load Scales:

Weight capacity of 0 to 20,000 lbs.

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| Capacity: |       | Lbs. |

Complies: Yes [ ]  No [ ]

The overall dimensions of the scale shall be 33.8”x 20.4”x1.5”.

Complies: Yes [ ]  No [ ]

The wheel scales must be capable of certification for use by The Department of Weights and Measures or authorized state agency, according to state regulations.

Complies: Yes [ ]  No [ ]

The wheel scales must be tested and certified for use by National Bureau of Standards Handbook 44 for portable wheel load scales, Class IV devices.

Complies: Yes [ ]  No [ ]

The height of scale weight pad with base-board ready to weigh shall not exceed 1.5".

Complies: Yes [ ]  No [ ]

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| Overall scale height: |       | Inches |

Active weighing surface shall be a minimum of 15” x 22”.

Complies: Yes [ ]  No [ ]

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| Size of weighing area |       | “ x |       | “ |

***Note:*** Scales provided will be tested for strict compliance for these dimensions.

Weight of the scale is**not to exceed** 50 lbs.

Complies: Yes [ ]  No [ ]

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| Weight |       | Lbs. |

Scales must have capability of**minimum** of eight (8) hours cordless continuous weighing operation before recharging is required.

Complies: Yes [ ]  No [ ]

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| Length of cordless operation: |       | Hours |

Recharging capability to operate from 12-volt **DC** system to recharge sets of up to eight (8) scales at the same time.

Complies: Yes [ ]  No [ ]

Capable of use on following surfaces: asphalt, concrete, hard packed crushed stones and hard packed dirt.

Complies: Yes [ ]  No [ ]

Capable of operating in normal and inclement conditions accurately in a temperature range of -4o to 104o F.

Complies: Yes [ ]  No [ ]

Integrated digital readout on each wheel scale. Minimum character height of 3/4".

Complies: Yes [ ]  No [ ]

Display range shall be 0 to 20,000 lbs. in 50 lbs. increments as selected.

Complies: Yes [ ]  No [ ]

Each scale shall be shielded against radio frequency interference caused by mobile radio transceivers or other mobile communications.

Complies: Yes [ ]  No [ ]

Automatic built-in calibration, circuit check, display test and zero-point adjustment must be completed in one step by activation of either **"ON/OFF"** switch or any other single control.

Complies: Yes [ ]  No [ ]

Scale must have an automatic zeroing capability without activation of any control button when weight leaves the scale.

Complies: Yes [ ]  No [ ]

Scale shall be capable of automatic shut off.

Complies: Yes [ ]  No [ ]

Total scale, **including weight display area and handle*,*** must withstand truck overrun at all points without damage.

Complies: Yes [ ]  No [ ]

**Conditions:**

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| Bidder: Number of years in scale manufacturing and/or distribution business |       | Years |

List other product lines offered:

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**Requirements Covering Items Detailed Above:**

All equipment cataloged as standard shall be furnished and in place and shall be included in the purchase price of the unit. Any parts, tools, and/or accessories not specifically called for but required for proper operation shall be provided.

Complies: Yes [ ]  No [ ]

The component parts of the unit shall be of proper size and design to safely withstand maximum stresses imposed by a capacity load, and the manufacturers rated loads for chains and bearings shall not be exceeded when the unit is loaded with such loads.

Complies: Yes [ ]  No [ ]

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| If No, explain: |       |
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Manufacturer shall warranty parts, labor and shipping for the product provided for one (1) year. Bidder shall attach copy of warranty with bid. Since the continuous operation of this equipment is of the utmost importance and sometimes of an emergency nature, it is necessary that the successful bidder be in a position to render prompt parts and service. Review of the bidder's ability to provide prompt parts and service within the State of Illinois will be considered.

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| Describe warranty: |       |
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The vendor or manufacturer of the unit which is seriously considered for award shall, at the request of the state of Illinois, demonstrate this equipment at a location chosen by the state and in the presence of authorized state personnel to prove out any features which may be in question.

Complies: Yes [ ]  No [ ]

This equipment is to be delivered in first-class operating condition with acceptance subject to Department of Transportation inspection and approval.

If **No** to any portion, explain:

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**Bid Package:**

If not quoting in BidBuy, bidders will need to send two copies of each of the following with their bid response.

a) Specification Questionnaire

b) Descriptive Literature