

State of Illinois
Department of Transportation
Bureau of Business Services

Specifications and Questionnaire for a 12' Multiple Segment Snow Plow Blade System

March 2019

This specification and questionnaire covers requirements for a multiple segment snowplow blade system to be used by the Department of Transportation Division of Highways Operations forces. The snowplow blade system shall be comprised of multiple sections that can move independently to allow for irregular road surfaces and raised pavement markers. The individual sections shall be replaceable as parts.

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

Bidders quoting on the specified products must submit with their bid written proof of the following:

1. The snowplow blades proposed are equal to, or exceeds that specified in all respects including size, operating features, and expected life-cycle.
2. The manufacturer of the equipment proposed has been actively involved in the manufacture of the snow plow blades called for in the solicitation for a period of not less than 4 years.
3. Service for the products proposed is readily available from within 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.

Proposed With This Bid:

Make: _____

Model: _____

Manufactured By: _____

Bidder: _____

Telephone: _____

Contact Name: _____

Email: _____

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.

Questionnaire for Multiple Segment Snow Plow Blade System**Blade:**

Multiple individual replacement blade segment design. Each 12 foot system shall have a minimum of four (4) individual mounting sections. The blade segments shall be available individually to replace segments that become damaged or worn.

Complies: Yes No

Describe system: _____

Each individual blade segment shall include a tungsten carbide cutting/wear surface.

Complies: Yes No

The blade segment mounting system shall incorporate rubber, urethane or other elastic material to significantly reduce the transmission of shock and vibration. Note: Blade segment shall not be permanently encased in rubber.

Complies: Yes No

If NO, Describe : _____

The hole punching of the blade mounting system shall conform to industry standard mounting practices for 12 foot blades.

Complies: Yes No

Describe hole punch spacing : _____

Mounting system:

If the manufacturer offers a forward and a rearward blade mounting system the rearward system shall be supplied. This system shall align the blade with the moldboard.

Complies: Yes No

Mounting system type : _____

All blade segment sections shall be plainly marked to indicate the front edge of the blade to avoid improper mounting.

Complies: Yes No

All parts of the blade system shall be 100% Recyclable

Complies: Yes No

Additional Accessories:**(Only if called for in the BID)**

Please review each line item in the bid carefully. All optional equipment, if requested, shall be operational upon delivery.

Replacement blade segments:

This option shall include a replacement carbide blade segment with mounting hardware and isolation material. The cost shall be per blade segment as a complete kit.

Complies: Yes No

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Standard Curb Runners:

This option shall include a left and right curb runner with mounting hardware. The standard curb runner shall have a large cylinder of material on the outer edge to protect the edge of the plow.

Complies: Yes No

Wrap Around Curb Runners:

This option shall include a left and right curb runner with mounting hardware. The wrap around curb runner shall have material that wraps completely around the end of the plow protecting it from any angle.

Complies: Yes No

Nose Pieces:

This option shall include a left and right nose piece with mounting hardware. The nose pieces shall have carbide inserts brazed in to match the blade segments. The nose piece design shall reduce the tendency for the leading corner of the plow to catch or dig into the road.

Complies: Yes No

Warranty:

The system and the replacement parts shall be covered by a warranty that covers manufacturing defects for a minimum of 2 years.

Complies: Yes No

Describe warranty : _____

Delivery:

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

Complies: Yes No

Bidders shall submit two copies of each of the following with their bid response.

- a) Bid Document
- b) Specification Questionnaire
- c) Detailed and Dimensioned Shop Drawings
- d) Descriptive Literature and Specifications Clearly Marked to Indicate the Components of the Blade System