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Your Local Road Professionals

CURVED GRADER CUTTING BLADE BID SPECIFICATIONS

The Benzie County Road Commission is accepting bids for curved grader cutting blades for the 2020 calendar year until 1:00p.m., Friday, March 27, 2020.

88 - 3/4" X 6" X 48" Carbide Inserted Single Bevel Grader Blades

All proposals must be in a sealed envelope, plainly marked as to contents and the name of the bidder. Telephone, email and faxed bids will not be accepted.

SPECIFICATIONS FOR CARBIDE INSERTED CUTTING EDGES

- BLADE:** Cutting edges will be tungsten carbide inserted with a 1" pass, with carbide Embedding(impregnation) on front side of cutting edge. The groove for the carbide inserts shall be milled in the center of the blade edge.
The embedding shall be crushed carbide that shall be the "blocky" type which penetrates and compacts in the mold matrix. The crushed carbide shall be applied in a hot wire(TIG) processed to a puddle depth of 3/16" in the parent metal.
- LENGTH & WIDTH:** Length of the blade to be stated at time of order in feet, depending on make and model of plow blades needed.
- CARBIDE:** The insert shall be high shock WC grade of Tungsten carbide with 10-12% Cobalt content
Hardness shall be 87.5 (minimum) to 89.0 (maximum) Rockwell "A" scale
Traverse Rupture Strength shall be 350,000 to 4000,000
- PUNCH:** All blades shall be furnished with appropriate bolt holes counter-sunk; required per Society of Automotive Engineers specification no. J740.
Hole spacing dimensional tolerances shall be +/- 1/16"
Non-accumulative; hole size, 11/16" for 5/8" bolts or 27/32" for 3/4" & spacing shall be DOT-standard.
- SPECIFIC REQUIREMENTS:** Each blade Section shall be identified with manufactures mark, stamped or stenciled. Bidder must supply certificate of North American sourced materials, certificate of quality with material analysis and all MSDS sheets. Blades to be manufactured in Bucyrus, Ohio. NO EXCEPTIONS

PAC5819 – 3/4" X 6" X 48"

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The Board reserves the right to accept or reject any and all bids, to waive any irregularities in the bids, and to award the bid in a manner deemed in the best interests of Benzie County.

(88) ¾" X 6" X 48" Carbide Inserted Single Bevel Grader Blades - Price Each \$_____ / blade

CURVED GRADER CUTTING BLADE BID

The undersigned hereby certifies that he/she has examined, and has the authority to submit, this bid proposal and is fully informed as to the nature of the work, and that all above conditions will be equaled or exceeded, and all requested information has been completed.

Signature: _____ Date: _____

Print Name & Title: _____

Company Name: _____

Address: _____

Telephone Number: _____ Fax Number: _____

Email Address: _____ Federal EIN: _____

All proposals must be in a sealed envelope, plainly marked as to contents and the name of the bidder. Telephone or faxed bids will not be accepted. **The Board reserves the right to accept or reject any and all bids, to waive irregularities in the bids, and to award the bid in a manner deemed in the best interest of the Benzie County Road Commission.**

Sealed bids are due by 1:00 p.m. Friday, March 27, 2020.

DELIVER OR MAIL TO: **Benzie County Road Commission**
11318 Main St.
PO Box 68
Honor, MI 49640

NOTE: For FedEx and UPS delivery of sealed bids, please use the street address: 11318 Main Street, Honor, MI 49640. For sealed bids sent via US Postal Service, please use: PO Box 68, Honor, MI 49640. The USPS will return mail addressed to the street address only.