



Hillsdale County Road Commission

1919 HUDSON ROAD (M-99)

HILLSDALE, MICHIGAN 49242

Robert R. Godfrey, Chairman
Pittsford

(517) 437-4458

H. John Sanders
Manager

Michael A. Parney, Vice Chairman
Hillsdale

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Gary A. Leininger, Member
Pittsford

hillsdale@hillsdalecrc.org

HARDENED GRADER BLADE BID SPECIFICATIONS

Bid Date: October 21, 2021 Time: 10:45 A.M.

Sealed proposals will be received by the Board of County Road Commissioners of the County of Hillsdale at 1919 Hudson Road, Hillsdale, Michigan, until 10:45 a.m. local time on Thursday, October 21, 2021, at which time bids will be publicly opened and read aloud for furnishing and delivering the following quantities and sizes of curved grader blades (cutting edges) for moldboard assemblies on truck underbody scrapers and motor graders for the Hillsdale County Road Commission and other local agencies as noted herein.

The grader blades shall be of the thickness and size specified and shall be single bevel, curved blades. We will not accept double bevel blades. The bevel shall be one-inch in length. The blade shall have a radius of curvature of about 7 ½ to 10 inches. The finished cutting edges shall be free from warp or other defects.

Blades shall be formed from high grade, commercial quality steel. We will accept surface hardened or through-hardened grader blades according to the following specifications.

Surface-hardened blades shall be hardened front and back with a primary and secondary hardness. The primary hardened area to have a Rockwell C hardness of 62 (± 5) for a depth of 1/8" ($\pm 1/32$ ") at the high point of the hardness pattern. Secondary hardness to have a Rockwell hardness of 45 to 56 with a minimum depth of 1/32 of an inch at the high point of the hardness pattern. The pattern for an 8" blade shall start 5/8" ($\pm 1/8$ ") above the bottom edge of the blade and be a minimum of 3 ½" in width, over the length of the blade with the upper part of the pattern terminating below the position of the bottom edge of a standard moldboard.

Through-hardened blades shall be hardened front and back with a primary and secondary hardness. The surface area shall have a Rockwell C hardness of 50 ± 3 and the interior area shall have a Rockwell C hardness of 45 ± 3 throughout.

Each blade shall have a legible identifying mark indicating the hardened type blade. The bidder shall so certify the steel quality and hardness in writing listing the identifying numbers or marks. Said certification of compliance shall be furnished at the time of delivery.

The blades shall be punched with 11/16 inch square holes and counter-sunk for 5/8 inch blade bolts for 6' blades and 3/4 inch blade bolts for 7' blades, in accordance with SAE Standard J740. The holes shall be spaced as follows: The outer two holes on both ends of each blade shall be spaced on 3" centers with all intermediate holes spaced on 12" centers. The center of the holes shall be 1 ½" below the top edge of each blade.

All blades shall be delivered to Hillsdale County Road Commission, 1915 Hudson Road, Hillsdale, MI 49242.

The following quantities and sizes of blades shall be bid:

<u>Agency</u>	<u>Blade Size</u>	<u>Quantity (each)</u>
Hillsdale CRC	3/4" x 8" x 6'	500
Hillsdale CRC	3/4" x 8" x 7'	50
Hillsdale City	3/4" x 6" x 6'	50

Blades shall be banded securely in individual bundles of 10 each. Bolts, nuts, and washers are not to be furnished in this bid. Bid prices shall be firm for the specified quantity with unit prices governing. Please give 24 hours advance notice prior to delivery Monday thru Thursday, except for holidays. Please state anticipated delivery date. Blades are requested to be delivered by December 1, 2021.

Bidder is required to place his bid on the attached bid sheet. Bids shall be submitted in sealed envelopes clearly marked with the words: **"GRADER BLADE BID"**. Bidder is requested to fill in the bid sheet completely. Return the bid sheet only, not the specifications. Bidders should take special notice that all bids delivered by mail should arrive the day **before** the bid opening and be addressed to the Hillsdale County Road Commission at 1919 Hudson Road, Hillsdale, MI 49242.

This contract may be extended an additional year (or years) upon mutual written consent of both parties.

The Board reserves the right to award this bid to a successful bidder for each size of blade or the combined package, whichever is in the best interest of the road commission.

The Board of County Road Commissioners also reserves the right to reject any or all bids, to waive details in specifications, to waive irregularities in the bidding, and to accept the bid(s) which in their opinion is in the best interest of the Hillsdale County Road Commission.

Board of County Road Commissioners
County of Hillsdale

Robert R. Godfrey, Chairman
Michael A. Parney, Vice-Chairman
Gary A. Leininger, Member

HILLSDALE COUNTY ROAD COMMISSION

BID SHEET FOR HARDENED GRADER BLADES

Bid Date: October 21, 2021

Time: 10:45 A.M.

The undersigned proposes to furnish and deliver the specified quantities and kinds of single bevel hardened grader blades per Hillsdale County specifications for the unit prices shown below.

<u>Agency</u>	<u># of Blades</u>	<u>Size</u>	<u>Lineal Footage</u>	<u>Wt./Foot After Punch</u>	<u>Price/Ft.</u>	<u>Sub-Total</u>
Hillsdale CRC	500	3/4" x 8" x 6'	3000'	_____ #	\$ _____	\$ _____
Hillsdale CRC	50	3/4" x 8" x 7'	350'	_____ #	\$ _____	\$ _____
Hillsdale City	50	3/4" x 6" x 6'	300'	_____ #	\$ _____	\$ _____

Grand Total \$ _____

Grader blades manufactured by: _____

Address: _____

Type of steel used in blades: _____

The blades are surface-hardened (YES/NO) or through-hardened (YES/NO). Please circle.

Rockwell C hardness: Primary _____ Secondary _____

Delivery will be made within _____ days after receipt of purchase order.

Exceptions to bid requirements (if any): _____

Payment terms: _____

Other information: _____

Name of bidder's company: _____

Company address: _____

Signature: _____

Title: _____

Date: _____

Phone: _____



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NOTICE TO BIDDERS

Sealed proposals will be received by the Board of County Road Commissioners of the County of Hillsdale at their office at 1919 Hudson Road (M-99), southeast of Hillsdale, Michigan, until the following local times on Thursday, October 21, 2021, after which all bids will be publicly opened and read aloud for the following:

10:30 a.m.	MDOT 2NS Ice Control Sand
10:45 a.m.	Hardened Grader Blades

Bid specifications are available at the road commission office by telephone (517) 437-4458 and on our website at hillsdalecrc.org. All bidders are advised to obtain a copy of the bid specs before bidding.

Title VI Certification: The Hillsdale County Road Commission assures that all its programs and activities will be free from discrimination, whether those programs and activities are federally funded or not.

The Board reserves the right to reject any or all bids, to waive details in the specifications, to waive irregularities in the bidding, and to accept the bids which in their opinion are in the best interest of the Hillsdale County Road Commission.

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County of Hillsdale

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