



Hillsdale County Road Commission

1919 HUDSON ROAD (M-99)

HILLSDALE, MICHIGAN 49242

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BID SPECIFICATIONS FOR MINERAL WELL & OIL FIELD BRINE

Bid Date: November 21, 2017

Time: 10:30 A.M.

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 10:30 a.m. local time, Tuesday, November 21, 2017, at which time bids will be publicly opened and read aloud for furnishing, delivering and applying mineral well brine & oil field brine on gravel roads in accordance with the following specifications.

GENERAL

The scope of work includes the furnishing, delivering and spreading of mineral well brine & oil field brine continuously full-length on county local gravel roads to achieve both dust control and stabilization for the 2018 brining season. The road commission will coordinate the program. The road commission allows each township to choose the type of brine to be used in their township and to contract directly with the contractor of their choice. Our county-wide gravel road mileage is 590 miles. Unit prices for each type of brine will govern regardless of the number of townships or mileage.

The road commission is only offering to cost share with townships for a single application at a heavier rate this year. Townships may elect to apply a second application at their own expense.

The road commission will prepare the gravel roads with a thorough grading by our motor graders on a township-by-township basis. The bidder must respond to our requests for brine application in a township within 36-48 hours, and be able to complete all gravel roads within a township in no more than 3 consecutive days, weather permitting. We usually begin our program on May 15, weather permitting. It is desired to complete the first round of applications by June 30, also weather permitting.

Alternate bids for liquid calcium chloride may be submitted for consideration if a bidder desires to submit same. Please modify the bid sheet accordingly.

MINERAL WELL BRINE

Mineral well brine shall receive a single application of mineral well brine spread full-width at an approximate rate of 3,000 gallons per mile. The liquid mineral well brine shall meet the following specifications:

Calcium chloride (minimum)	23%
Magnesium chloride (minimum)	3%

The contractor shall provide test results from wells proposed for use on our county roads with the bid sheet.

OIL FIELD BRINE

Oil field brine shall receive a single application spread full-width of the roadway at an approximate rate of 3,000 gallons per mile. The liquid oil field brine shall be from a well that is currently approved for spreading on public roads by MDEQ. Copy of MDEQ approval and test results shall be submitted with the bid sheet.

PAYMENT

The contractor shall be paid at your quoted bid unit price per gallon or per mile for the work performed. The contractor is responsible to verify in a manner acceptable to the road commission the gallonage or volume of each load spread on county roads. Given the large volume of liquid to be purchased, it is imperative that we have proper documentation of the gallons provided. For example, a weight ticket is an acceptable method. Invoices shall be made out and mailed directly to the road commission and clearly show the volume and date of each load spread, and the township wherein it was spread.

EQUIPMENT

Each unit shall be equipped with a calibrated solution pump capable of uniform application of the liquid solution at the specified rate through a horizontal spreader bar. The solution pump shall be driven from the truck axle so as to provide a direct relationship between the ground speed of the vehicle and the rate of solution pump delivery. A 6 ton sprocket shall be used. The solution tank, piping, solution pump and appurtenance of each delivery unit shall be maintained in a workable condition so as to avoid spills, loss of solution, or inconsistent application. Spraying of brine across concrete or asphalt pavement will not be allowed.

A hydraulically pumped or gravity-feed solution sprayed full-width over a fanning plate at the rear of the truck will be acceptable if the contractor can demonstrate satisfactory performance.

Each truck shall be equipped with amber rotating lights and signs that identify the name of company and type of liquid being spread. The volume of liquid loaded in each truck must be within 5% of the quantity ordered, for example ± 400 gallons on a 8,000 gallon load.

INSURANCE

The contractor, within two (2) weeks of being notified of award, shall file with the commission a certificate of insurance, in form satisfactory to the commission, showing that he has the following minimum amounts of insurance in force: general liability insurance with combined limits for bodily injury and property damage of \$500,000 and automobile liability insurance with combined limits for bodily injury and property damage of \$500,000 and workers' compensation insurance in statutory limits. The Board of County Road Commissioners shall be listed as an additional insured.

BIDDING INSTRUCTIONS

Your bid offer shall be firm for at least 45 days to allow time for Board review. If awarded the bid, your unit prices shall be firm through at least October 1, 2018. Unit prices per gallon shall govern, regardless of gallonage or mileage.

Bids must be submitted on the attached bid sheet. Bids are to be submitted in sealed envelopes clearly marked with the words "**Brine Bid**". Do not return the specifications with your bid.

This bid may be extended for additional year (s) upon the mutual written consent of both parties.

The Board reserves the right to reject any or all bids, to split up the bid among several bidders, to waive details in specifications, to waive irregularities in the bidding, and to accept the bid which in their opinion is in the best interest of the road commission.

Board of County Road Commissioners
County of Hillsdale

William L. Watkins, Chairman
Robert R. Godfrey, Vice Chairman
Michael A. Parney, Member

Hillsdale County Road Commission

BID SHEET FOR MINERAL WELL BRINE & OIL FIELD BRINE

Bid Date: November 21, 2017 Time: 10:30 A.M.

The undersigned hereby proposes to furnish, deliver, and apply mineral well brine & oil field brine continuously full length on gravel roads as specified in the road commission's bid specifications for the 2018 brining season at the following unit prices.

Liquid 23% mineral well brine applied: \$ _____ per gallon.
Cost for 3,000 gallon applied: \$ _____ per mile.
Calcium chloride content: _____ %.

Liquid oil field brine applied: \$ _____ per gallon.
Cost for 3,000 gallon applied: \$ _____ per mile.
Calcium chloride content: _____ %.

Bidder has the following fleet and size of trucks available for spreading:

Type of spreading method? _____

How many loads of brine can we order per day? _____

How will you verify gallons per load? _____

Any bid exceptions? _____

This bid is firm if accepted within _____ days.

If accepted, the above bid prices are firm until: _____

Payment terms and discounts (if any): _____

Name of bidder's company: _____

Company address: _____

Signature: _____ Title: _____

Date: _____ Phone: _____