

NOTICE TO BIDDERS

Sealed bids will be received by the City of Iron Mountain at the office of the City Clerk, on or before 4:00 p.m., local time on **September 16th, 2019**.

FOR: 2019 WINTER SAND

The bids will be publicly opened and read at the regularly scheduled City Council meeting in the City Hall at 501 South Stephenson Avenue, Iron Mountain, Michigan on said date at 6:00 p.m., local time.

Bidder's proposal, and/or specifications may be obtained from the office of the City Clerk, located at 501 South Stephenson Avenue, Iron Mountain, MI 49801. No bids will be considered unless the proposal form is properly completed and enclosed in a sealed envelope, marked:

"2019 WINTER SAND"

In addition, the City of Iron Mountain, Michigan will not consider any proposal, which has not been received prior to the published time, date and year of bid opening. (Fax or Email transmittals will not be accepted.)

The City of Iron Mountain, Michigan reserves the right to reject any or all bids, or any part thereof at its discretion, and to waive any irregularities in the bidding. The City of Iron Mountain, Michigan may also split bids at its discretion. The City further reserves the right to negotiate directly with any and all bidders concerning any matter related to any bid.

The City of Iron Mountain, Michigan bids are prepared to afford all vendors the equal opportunity for fair and equitable competition. The City of Iron Mountain, Michigan assumes no liability or responsibility for any errors or oversights in the preparation and/or publication of bids.

Winter Sand Bid

Sealed bids will be received at the City Clerk's Office, City Hall, 501 S. Stephenson Avenue, Iron Mountain, MI 49801 in a sealed envelope clearly marked "**2019 WINTER SAND**", until 4:00 P.M. CST on Monday, September 16th, 2019.

Furnishing and delivery of **2,000** tons (more or less)

The City of Iron Mountain reserves the right to accept or reject any or all bids or accept the bid most advantageous to the City.

Specifications

Sand must pass the following gradation specifications.

<u>SCREEN SIZE</u>	<u>PERCENT PASSING</u>
3/8 inch	100
#4	85-100
#8	75-95
#16	60-80
#30	30-60
#50	10-30
#100	2-10
#200	0-3

Sand must be tested by an independent firm a result supplied to the City for review before any sand may be delivered. Every load of winter sand will have weight slips and turned in after each load to an employee of the Department of Public Works

All equipment for winter sand production and transportation shall be furnished by the successful bidder, also the location of the pit where it will be produced from.

Produced sand will be stockpiled at the City snow dump at the corner of Kent Street and Carpenter Avenue.

The City will mix salt with the sand at its delivery point and will handle any stock piling needed. Contractor will coordinate their delivery with the City Department of Public Works. **Deliveries will not be accepted during periods of rain.**

Delivery is to be completed by **October 18th, 2019**. Should the work under this agreement not be completed within the time specified, it is agreed that there will be deducted by the City, from the contractors payment, a sum computed at the rate of **\$50.00** per calendar day beginning with the above stated date of completion and extending to the day of final completion of work. It is understood that the above deduction at the rate of **\$50.00** per day is not a penalty, but money due to reimburse the Owner for extra costs due to the delay in the completion of work.

All bids must be presented on City bid forms obtained from the City Clerk, City Hall, 501 S. Stephenson Avenue, Iron Mountain, MI 49801. **All bids must be received before 4:00 P.M. CST on Monday, September 16th, 2019** and clearly marked "**2019 WINTER SAND**" on the envelope.

City of Iron Mountain
Department of Public Works
Scott Thomas Supervisor

BID FORM FOR WINTER SAND

Name of Bidder: _____

Address of Bidder: _____

Item #1: Approximately **2,000** tons of sand (more or less).

Delivered price: \$_____ per ton.

The City of Iron Mountain reserves the right to vary the proposed quantities.

The City of Iron Mountain reserves the right to accept or reject any or all bids or accept the bid most advantageous to the City.

Dated: _____

Signed: _____

Title: _____

Maintenance Advisory

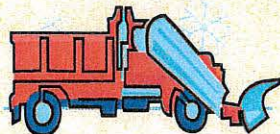
MA 2009-10
November 23, 2009

From Jon W. Reincke, Engineer of Operations

MDOT
Division of Operations
6333 Old Lansing Road
Lansing, MI 48917
Phone/517-322-3300
Fax/517-322-3385

Questions regarding this
Maintenance Advisory
should be directed to:

Tim Croze, Engineer
Roadway Operations Unit
Phone/517-322-3394 or
CrozeT@michigan.gov



jwr:gm:tc

The Use of Abrasives in Winter Operations

The intent of this advisory is to provide guidance on the use of abrasives in winter operations. Abrasives should be sand, gravel or slag suitable for the purpose of enhancing friction on packed snow and ice. Abrasives should only be used during weather conditions that preclude the use of de-icing chemicals and should be limited to application on hills, curves, intersections and known trouble spots.

Usage: Abrasives should be used during heavy freezing rain events or when the pavement temperatures are low enough that sodium chloride and other de-icing chemicals are not effective. When abrasives are used, it is suggested that they be prewetted with a de-icing liquid and used on known trouble spots and hills, curves and intersections.

Gradation: Abrasives should be of a fairly uniform size. All particles should be less than 3/8 inch diameter. It is best to use abrasives with highly fractured particles. The following gradation is recommended for sand.

Ice Control Sand – Sieve Analysis (MTM) 109	
Sieve Size	Percent Passing
3/8"	100
#4	95 – 100
#8	65 – 90
#30	20 – 65
#200	0 - 5

Application: Typically 600 to 1000 pounds per lane mile when mixed with 5 percent salt. If more salt is used, the rate should be reduced appropriately.

Abrasives should be applied when temperature or weather conditions warrant and in quantities and at intervals necessary to provide traction. When applying abrasives they should be prewetted with a de-icing agent to assure better adherence to the roadway.

Storage: Sand/salt stockpiles that contain more than 1 percent salt must be stored in an enclosed building or covered with waterproof tarps in accordance with the Michigan DEQ Salt and Brine Storage Guide.