

ITEM A-88-23 ABRASIVES FOR SNOW & ICE CONTROL

DATED: January 2023

CONTRACT PERIOD: 3/31/23 - 3/30/24

INTENT

This specification covers the material requirements and basis of acceptance for abrasives used to treat snow and ice on pavements.

MATERIAL REQUIREMENTS

The material for abrasives shall be either natural sand or manufactured sand conforming to the requirements of these specifications. All abrasive materials shall consist of hard, durable particles that are free from injurious amounts of clay, loam, or other deleterious substances, or hazardous substances.

Abrasive materials meeting the requirements of these specifications shall be accepted unless the Commissioner of Public Works or his designee determines from test results, or service records that (1) the material contains sufficient unsound or deleterious material to be harmful; (2) the particles degrade due to weathering in storage, handling, or while in service such that abrasive is ineffective.

CERTIFICATION AND GRADATION ANALYSIS

Bidders are required to submit a current gradation analysis (sample taken within 6 months of bidding) for each proposed source of supply with their bids. This requirement is waived if the proposed source is named on the most current issue of the NYSDOT approved list of sources of fine and coarse aggregates for Portland Cement Concrete Sand published by the Materials Bureau of the NYSDOT. Attachment I of the proposal is to be used for recording the gradation test results or indicating the approved NYSDOT source number. The gradation test, if required, may be performed by the producer, bidder, or an independent testing laboratory as long as it is in conformance with the referenced NYSDOT test methods. Also, on Attachment I, the bidder is required to certify that the gradation analysis represents the material to be supplied and that sufficient acceptable material is available to meet the requirements of the item(s) bid. Bids shall be rejected if certified gradation is not in conformance with the "SPECIFICATION GRADATION" for the location(s) bid.

FAILURE TO SUBMIT THE PROPERLY EXECUTED CERTIFICATION WITH THE BID SHALL RESULT IN THE BID BEING DECLARED INCOMPLETE.

GRADATION

The gradation requirements for the items in this proposal are listed on the gradation sheet of this specification.

Note: The specification Gradation Sheet is to be used for bidding purposes.

GRADATION ACCEPTANCE

Gradation acceptance of abrasive material shall be based upon the condition that the material meets the specification requirements. Acceptance shall be determined at the final point of sampling. Depending on the production operation and the uniformity of material, the final point of acceptance

sampling could be the producer's stockpile, the producer's production operation or the producer's pit. Depending on the production operation, the Commissioner of Public Works or his designee may require that exclusive stockpiles be built, tested and approved prior to any purchase. If the material deviates from the specification gradation requirements listed under "SPECIFICATION GRADATION" on the attached gradation sheet it will not be accepted by the Commissioner of Public Works or his designee.

SAMPLING

Sampling will be performed by County personnel or their representatives and will depend on the operation of the successful low bidder. Where stockpiles exist, the material will be sampled in the stockpiles prior to purchase. Where material is being processed shortly in advance of, or concurrent with purchase the process will be sampled. Where the material is unprocessed, specific working areas of the source will be sampled prior to purchase. All materials are subject to random sampling and/or specific sampling if a problem is suspected. Sampling methods, locations and point of final acceptance will be determined by the Commissioner of Public Works or his designee.

TESTING METHOD

Gradation tests shall be performed on samples by sieving in conformance with NYSDOT Materials Bureau Test Methods 703-1P and 703-2P. Moisture content shall be determined by AASHTO Test Method T-255.

MINING PERMIT

A current copy of the NYS Department of Environmental Conservation Mining Permit for the mine from which the abrasives are to be extracted must be included with the bid. Failure to submit a copy of this permit shall result in the bid being declared incomplete.

QUANTITY

Quantity shall be the tonnage necessary for the season's requirements for snow and ice control.

PRICE BID

All bids shall be on standard proposal forms. Bid PRICE PER TON shall be the price per ton loaded onto County trucks at the plant. Bid PRICE PER TON-MILE FOR DELIVERY BY MATERIAL SUPPLIER TRUCKS shall be the additional cost per ton-mile for hauling, by the material suppliers trucks, the indicated mileage.

PURCHASES

All purchases will be made based on the price per ton bid plus haul cost. Transportation rates to be used for calculating haul cost for county trucks are as follows:

PRICE PER TON-MILE FOR HAULING BY COUNTY TRUCKS		
0-5 mi.	6-15 mi.	over 16 mi.
\$0.30	\$0.25	\$0.20

The actual minimum haul miles will be determined by the County. Trucks rented by the County will be considered as County owned trucks.

The contractor shall provide said material within two (2) days after being notified by the Commissioner of Public Works or his representative.

DELIVERY

Delivery shall be made at the plant into trucks owned or hired by the County. Bids are also requested on delivery costs for hauling the material from the plant to the project location in trucks owned or hired by the material supplier. All costs of unloading materials into distributors or stockpiles shall be included in the delivery cost. A weight slip is required with each delivery. Invoices must be sent promptly by the contractor to the County.

AWARD

The Commissioner of Public Works of the County of Montgomery reserves the right to reject and all proposals, or to waive minor informalities, to advertise for new proposals or to proceed to do the work otherwise, if in his opinion, the best interests of the County will thereby be promoted.

NOTE

Where reference is made in these specifications to any other specification, it shall mean that specification which is current on the date of advertisement for bids.

PAYMENT

Payment under this item shall be for the tons of material supplied as indicated on the weight slip. All purchases made under this bid will be made by the various municipalities in Montgomery County, and all billings will be made to the ordering municipality.

OTHER MUNICIPALITIES

All provisions of this specification and the ensuing contract, including insurance, shall be extended to all municipalities in the County of Montgomery, and work ordered by them, shall be furnished according to their needs at the prices and terms of the contract.

USE FOR BID ELIGIBILITY

SPECIFICATION GRADATION SHEET*

PERCENT PASSING

SPECIFICATION GRADATION	SIEVE SIZE	GRADATION
A	1/2"	100
	3/8"	100
	#4	80-100
	#50	0-18
	#200	0-3
B	1/2"	100
	3/8"	100
	#4	80-100
	#50	0-25
	#200	0-5
C	1/2"	100
	3/8"	100
	#4	80-100
	#50	0-35
	#200	0-5

*NOTE: THE ABOVE TABLE IS TO BE USED FOR DETERMINING BID ELIGIBILITY. TO BE ACCEPTABLE, THE GRADATION ANALYSIS SUBMITTED WITH THE BID MUST SHOW THAT THE PROPOSED SOURCE MEETS THE ABOVE SPECIFICATIONS.

**ATTACHMENT I
MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS
ABRASIVES CERTIFICATION**

Specification No. _____

Bidder's Name _____

DOT Source No. (If Available) _____

Source Location _____

Source Operated by _____

Sampled by _____ Date Sampled _____

Stockpile Location _____
(If different from Source Location)

Type of Material _____
(Natural sand or manufactured sand)

GRADATION ANALYSIS

<u>Sieve</u>	<u>Retained</u> <u>Wt., Grams</u>	<u>%</u>	<u>Passing</u> <u>Wt., Grams</u>	<u>%</u>
1/2"	_____	_____	_____	_____
3/8"	_____	_____	_____	_____
#4	_____	_____	_____	_____
#50	_____	_____	_____	_____
#200	_____	_____	_____	_____
PAN	_____	_____	_____	_____

Gradation Analysis by _____ Date _____

Affiliation (Company or Testing Lab) _____

I certify that the above gradation analysis is an accurate representation of the abrasives to be supplied under this proposal and that sufficient material is available to fulfill the contract requirements. I understand that if I am low bidder and I fail to supply the amount of abrasives ordered or the abrasives that I supply fail gradation requirements, Montgomery County may charge my firm the difference between my bid price and the actual cost to the County obtaining replacement abrasives.

BIDDERS CERTIFICATION:

_____ Date _____ Signature _____ Title _____

**PROPOSAL FORM ITEM A-88-23
ABRASIVES FOR SNOW & ICE CONTROL
Sheet 1 of 2**

Deliver proposals to: Montgomery County Purchasing Agent
P.O. Box 1500
Fonda, NY 12068-1500

Sir:

The undersigned has read and understands the information and instructions to bidders and the specifications for the furnishing of A-88-23 Abrasives for Snow & Ice Control and proposes to furnish said item at the price shown hereon.

This proposal is subject to acceptance within forty-five (45) days of the time set for the opening of bids.

LOCATION OF SUPPLY SOURCE: _____

FIRM NAME: _____

ADDRESS: _____

TELEPHONE: _____

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME AND TITLE: _____

DATE: _____

BIDDERS FEDERAL ID NO.
OR SOCIAL SECURITY NO.: _____

IS FIRM INCORPORATED? _____

IS FIRM MINORITY OWNED? _____

(Minority ownership refers to ethnic origin NOT gender)

PROPOSAL FORM ITEM A-88-23
ABRASIVES FOR SNOW & ICE CONTROL
Sheet 2 of 2

PROPOSAL OF: _____

Abrasives for Snow & Ice Control \$ _____ Price

Price Per Ton - Mile for Hauling by Material Supplier Trucks

0 - 5 Miles

6 - 15 Miles

Over 16 Miles

\$ _____

\$ _____

\$ _____