



PURCHASING AND CENTRAL SERVICES

Telephone No.: (845) 808-1088

Fax No.: (845) 808-1914

Contract Award Notification

Title: WINTER TYPE SAND

Contract Period: OCTOBER 1, 2016 – SEPTEMBER 30, 2017

BID No: RFB-39-16

Authorized User: County Agencies, All Political Subdivisions

Description: WINTER TYPE SAND

Contractor Information:
THALLE INDUSTRIES
172 ROUTE 9
FISHKILL, NY 12524
845-896-5156 EXT. 106

PURCHASING AGENT: Alex Mogyta **DATE:** 9/7/16

DEPARTMENT HEAD: Jed Pen **DATE:** 9/13/16
PP

COUNTY EXECUTIVE: Maryellenodillo **DATE:** 9.15.16

WINTER TYPE SAND

RESULTS EXTENDED	SPEYSIDE HOLDING LLC 911 RTE. 32 HIGHLAND MILLS, NY 10930	ELLENVILLE SAND & GRAVEL RTE. 209 ELLENVILLE, NY 12428	THALLE INDUSTRIES 172 ROUTE 9 FISHKILL, NY 12524

OPTION #1 SAND FURNISHED AND LOADED (F.O.B. PLANT) HAULED BY COUNTY HIGHWAY PERSONNEL TO 842 FAIR STREET GARAGE

DESCRIPTION	AMOUNT BID		AMOUNT BID		AMOUNT BID	
		PER TON		PER TON		PER TON
WINTER TYPE SAND	\$12.00	PER TON	\$7.00	PER TON	\$15.00	PER TON
Calculation-Round Trip Miles x \$2.75 (cost per mile) / 20 (avg load)	\$22.40	PER TON		PER TON	\$20.12	PER TON
PLANT LOCATION:	911 Route 32 Highland Mills, NY 10930		RTE. 209, Ellenville, NY 12428		172 Route 8, Fishkill, NY 12524	
Round Trip Miles	75.6				37.2	

OPTION #2 MATERIALS DELIVERED TO STOCKPILES LISTED BELOW:

300 ROUTE 6N, MAHOPAC FALLS, TOWN OF CARMEL

WINTER TYPE SAND	\$28.00	PER TON	\$20.17	PER TON	\$21.00	PER TON
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OLD ROUTE 22, BREWSTER, TOWN OF SOUTHEAST

WINTER TYPE SAND	\$30.00	PER TON	\$21.65	PER TON	\$21.00	PER TON
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842 FAIR STREET GARAGE, TOWN OF PATTERSON (CARMEL PO)

WINTER TYPE SAND	\$30.00	PER TON	\$20.73	PER TON	\$21.00	PER TON
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GAGE ROAD (OFF DOANSBURG ROAD) , TOWN OF PATTERSON

WINTER TYPE SAND	\$31.00	PER TON	\$21.65	PER TON	\$21.00	PER TON
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265 OSCAWANA LAKE ROAD, TOWN OF PUTNAM VALLEY

WINTER TYPE SAND	\$31.00	PER TON	\$21.73	PER TON	\$21.00	PER TON
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ALTERNATE

WINTER TYPE SAND	\$30.00	PER TON	\$22.50	PER TON	\$20.50	PER TON
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* ELLENVILLE SAND & GRAVEL DISQUALIFIED DID NOT ADHERE TO BID SPECIFICATIONS.

MILEAGE USED IS CALCULATED BY COUNTY USING GOOGLE MAPS AND 842 FAIR STREET ADDRESS

LOW BID

COUNTY OF PUTNAM - PURCHASING
40 Gleneida Ave.-1st Floor-Room 105, Carmel, NY 10512
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BID NUMBER: **RFB-39-16**

PARTICULAR BID SPECIFICATIONS

SCOPE:

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 natural sand, manufactured sand, iron ore, tailing, slag, or lightweight aggregate 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, other deleterious substances, or hazardous substances.

Abrasive materials meeting the requirement of these specifications shall be accepted, unless the Commissioner of Highways & Facilities determines from test results or service records that: 1) the material contains sufficient unsound or deleterious material to be harmful, and 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 six (6) months of bidding) for each proposed source of supply with their bid. 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 Material Bureau of the New York State Department of Transportation. Attachment (1) 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. Additionally, on Attachment (1), 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. If the certification sheet is not properly executed (completely filled out and signed), the bid shall be declared incomplete.

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INCOMPLETE BIDS:

Bidders will have ten (10) calendar days from the date of issue of notice by the Department to provide missing gradation information. Failure to provide the requested information within the specified time period shall be cause for rejection of the bid.

GRADATION:

The gradation requirements for the various 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. The Rejection Gradation Sheet will only be used at time of delivery to determine acceptability of the load.

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 delivered material, the final point of acceptance sampling could be the producer's stockpile, the producer's production operation, the producer's pit, or a lot of delivered material. Depending on the production operation, the Putnam County Department of Highways & Facilities may require that exclusive stockpiles be built, tested and approved prior to any delivery. If the delivered material deviates from the specification gradation requirements listed under "SPECIFICATION GRADATION" on the attached Gradation Sheet, an adjusted price may be paid for the material. The adjusted price shall be based on the average values of at least two (2) samples representing a pit location, lot, stockpile, or process. See 'SPECIAL NOTES' section.

SAMPLING:

Sampling will be performed by Department 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 delivery. Where material is being processed shortly in advance of, or concurrent with delivery, the process will be sampled. Where the material is unprocessed, specific working areas of the source will be sampled prior to delivery. All delivered 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 Putnam County Department of Highways & Facilities.

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LOT:

A lot shall be the total of one eight (8) hour day's delivery during normal Putnam County working hours.

TESTING METHOD:

Gradation tests shall be performed of samples by sieving in conformance with New York State Department of Transportation Materials Bureau Test Methods 703-1F and 703-2P. Moisture content shall be determined by AASHTO Test Method T-255.

MOISTURE CONTENT:

Abrasives, when delivered, shall have a maximum moisture content of 7.09 as determined by AASHTO Test Method T-255 (Moisture Content of Coarse and Fine Aggregate).

METHOD DELIVERY:

The bidding unit for abrasives is tons (weight). The method of accounting for delivery involves collecting weight tickets from scales that have been certified by the appropriate Municipal jurisdictions and are signed by certified weight masters.

ESTIMATE OF QUANTITIES:

Quantities indicated in the Invitation for Bids represent the Department's best estimates for a normal winter. The Department reserves the right after award to order 20% more or less than the quantities called for in the contract. Notwithstanding the foregoing, the Department may purchase greater or lesser percentages of contract quantities at the Commissioner of Highways & Facilities' discretion.

DELIVERY SCHEDULE:

Delivery schedules shall be approved by the Commissioner of Highways & Facilities, or his representative. The delivery of material shall be not less than two hundred (200) tons per day combined delivery to all stockpiles locations. Deliveries will be accepted between the hours of 7:00 A.M. and 3:00 P.M., unless exceptions are specifically granted or required as determined by the Commissioner of Highways & Facilities, or his representative.

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REJECTED MATERIALS:

When materials are rejected, they must be removed by the Contractor within ten (10) days of notification of rejection. Rejected items not removed by the Contractor within said ten (10) days shall be regarded as abandoned by the Contractor, and the Department shall have the right to dispose of the items as its own property. The Contractor shall promptly reimburse the Department for all costs and expenses incurred in effecting removal or disposition.

WEIGHT/VOLUME CONVERSION:

Locations (items) where volumetric delivery is acceptable are specifically identified in bid documents. These are where certified scales and weight masters are NOT available within a reasonable distance of the delivery site. In those cases, the weight/volume conversion ratio shall be determined by the Commissioner of Highways & Facilities with assistance from the Regional Materials Group as necessary. There are two (2) acceptable methods for establishing the weight/volume conversion:

METHOD 1

Each delivery truck shall have its "level struck" (all material in the dump body being level with the top of the sides of the dump body); determined by the Commissioner of Highways & Facilities. This will be the payment volume for each load delivered. A representative of the Commissioner of Highways & Facilities shall record each load delivered, and certify that the truck contained at least the payment (level struck) volume.

The test method for determining unit weight (for the purpose of determining weight/volume conversion) is:

Equipment Required:

- 1 ¼ cubic foot container (typically used for measuring the air content of plastic concrete.
- 1 20 Oz. plus/minus 8 Oz. rubber mallet.
- 1 Straight edge suitable for striking the abrasives level with the top of the container.
- 1 Smooth working surface.
- 1 Scale having at least forty (40) pounds capacity and accuracy of

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BID NUMBER: **RFB-39-16**

plus/minus 0.3 pounds.

- 1 Flat shovel.

Sampling the Abrasives:

A representative sample of about $\frac{1}{4}$ cubic feet (4 gallons) of abrasives shall be obtained from a prepared stockpile according to procedures found in APPENDIX A of Materials Method 9.1, "Plan Inspection of Portland Cement Concrete" prior to delivery.

Testing the Sample for Unit Weight:

1. The sample shall be air dried or oven dried until it is visibly dry.
2. Thoroughly mix the "room temperature" sample into a pile on the smooth surface with a flat shovel and "Quarter" the pile.
3. Remove about $\frac{1}{16}$ cubic feet (about two (2) quarts) of material from one of the quarters. Place it in the $\frac{1}{4}$ cubic foot container and roughly level it off.
4. Strike the container firmly three (3) times about midway on the side at one point. Repeat the striking procedure at three (3) more points about 90° apart on the container.
5. Repeat Steps 3 and 4 three (3) more times with material from each of the remaining three (3) "quarters" of the sample pile. Be sure the $\frac{1}{4}$ cubic foot container is "overfull" after material from the fourth quarter of the sample pile is in the $\frac{1}{4}$ cubic foot container.
6. Screed the material uniformly level with the top of the $\frac{1}{4}$ cubic foot container.
7. Weigh the $\frac{1}{4}$ cubic foot container that is level full with the abrasive material on the scales, and record the weight in pounds.
8. Subtract the weight in pounds of the $\frac{1}{4}$ cubic foot container from the weight recorded in No. 7 above. This is the weight in pounds of $\frac{1}{4}$ cubic feet of the abrasive material. To obtain the weight (tons) of one (1) cubic yard of the abrasive material, multiply the weight of $\frac{1}{4}$ cubic feet of abrasive material by 0.054.

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METHOD II

Each delivery truck shall have its "level struck" weight of abrasives determined by a weight master on a certified weight scale. This is obtained by subtracting the weight of the truck (on a certified scale) from the weight of the truck plus "level struck" abrasive (on the certified scale). As in METHOD "1", each load delivered shall be recorded by a representative of the Commissioner of Highways & Facilities, and a certification made that the truck contained at least the payment volume.

Prices:

Prices shall be net F.O.B. destination and shall include delivery to locations specified.

Payment:

Payment will be made upon satisfactory delivery and acceptance of goods.

Invoices are to be sent to the Putnam County Department of Highways & Facilities, at the address indicated on the official Purchase Order issued by the Commissioner of Highways & Facilities.

Delivery:

PICKED-UP - OPTION 1

Such screened gravel shall be furnished and loaded F.O.B. Plant during this Department's normal working hours, 7:00 A.M. To 3:30 P.M., Monday through Friday. The basis for award for materials picked up at the manufacturers plant is as follows: The County of Putnam has established that our cost for hauling to our stockpiles cost \$2.75 per mile. To determine the low bidder, we will multiply \$2.75 by the distance in miles, round trip, from a central location (842 Fair Street, Carmel, NY 10512).

That amount will then be divided by 20 (which we consider to be an average load) to establish a cost per ton. This amount (cost per ton) will be added to the bid amount (cost per ton) to determine the low bidder.

EXAMPLE:

Vendor's price is \$15.00 per ton for a given item and is located 15 miles from 842 Fair Street.

$30 \text{ (round trip miles)} \times \$2.75 \text{ (cost per mile)} = \$82.50/20\text{(tons)} = \4.13

$\$4.13 + \$15.00 = \$19.13 \text{ per ton}$

DELIVERED - OPTION 2

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The price bid for delivered material shall include the cost of delivery to each County stockpile listed on the Bid Proposal Sheet.

Bidders must guarantee delivery within five (5) calendar days or less after receipt of an order (written or verbal) from the Department. Orders shall not call for deliveries of less than two hundred (200) tons per day combined delivery to all stockpile locations.

Suspected Problems During Delivery:

If the Commissioner of Highways & Facilities, or an authorized representative of the Commissioner of Highways & Facilities, as a result of visual examination, suspects the abrasive being delivered are not within specification limits, they shall immediately notify the supplier (by telephone) of the nature of the suspected problem(s), followed by written communication. At that point, the supplier will be advised to cease delivery until the Department has had reasonable opportunity to sample and test the material (three (3) working days exclusive of the day of notification). If the supplier requests to continue delivering material after notification in writing, the Commissioner of Highways & Facilities may approve that request in writing. However, the material delivered after notification must be kept separate from material delivered prior to notification. The action necessitated by the test results shall be applicable to the lot of the day of notification, and any subsequent lots delivered during the three (3) working day period allowed for sampling and testing. This methodology shall be utilized anytime during the delivery processes when a problem with out-of-specification material is suspected.

Adjusted Bid Price and Rejection Relative to Gradation:

The bid price shall be adjusted for any material delivered outside the specification limits given under "SPECIFICATION GRADATION" and within the "REJECTION GRADATION". Any material that has one or more sizes that fall outside the "REJECTION GRADATION" limits shall be rejected and no payment will be made for the lot or lots of material.

Example of Bid Price Adjustment for Out-Of-Gradation Material:

	Example Specification Gradation	Example Rejection Gradation	Example Penalty Factor
Sieve			
1/2"	100	100	-
3/8"	100	95-100	1
#4	80-100	70-100	1

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#50	0- 25	0- 30	2
#200	0- 5	0- 8	5

Reduced price per ton = contract price times (1.0 – X)

The percent of tolerance for each sieve shall be to the nearest “X”. The sum of the individual sieve tolerance deviates (X) times the appropriate penalty factors divided by one hundred (100) shall be used as “X”.

Example: Sand delivered was bid at \$5.00 per ton and is satisfactory in passing the 3/8” and #4 sieve, but has thirty percent (30%) passing the #200 sieve. The reduced price per ton is computed as follows:

$$X = (30\% - 25\%) \times 23 - (6\% - 5\%) \times 5 = 0.15$$

$$\text{Reduced price per ton} = \$5.00 \times (1.00 - .15) = \$4.25$$

Rejection and Reduced Payment for Excess Moisture Content:

Excessive moisture content has a significant negative impact on mixing, stockpiling and storage operations. Abrasives delivered that have a moisture content in excess of 7.00% and less than 10.00% may be rejected or accepted at a reduced unit price at the discretion of the Commissioner of Highways & Facilities. Abrasives delivered that have a moisture content of 10.00% or higher shall be rejected.

The reduced unit price for the affected lots shall be computed as follows:

Moisture Content %	Reduction in Unit Price %
7.01 – 8.00	10.0
8.01 – 9.00	20.0
9.01 – 9.99	30.0
10.00 or higher	100.00 (Rejection Required)

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SPECIAL NOTES

- 1. Abrasives are required to be DELIVERED to the specified locations.**
- 2. A gradation analysis of April 1998 or NYSDOT Approved Source Number for Portland cement concrete sand for each source of material is required to be submitted with your bid. The gradation analysis shall be current (sample within six (6) months of bid) and represent the material to be supplied. To be acceptable, the gradation analysis must show that the proposed source meets the SPECIFICATION GRADATION. The bidder is required to certify that sufficient acceptable material is available to satisfy the contract requirements. Failure to submit the properly executed certification with the bid shall result in the bid being declared incomplete.**
- 3. The gradation test method requires that the #200 material is determined by wet washing the entire sample on the #200 sieve. The remaining gradation analysis is performed on the dried material that was retained on the #200 sieve during wet washing.**
- 4. There is a price penalty for out-of-gradation delivered material that fails outside the SPECIFICATION GRADATION, but within the REJECTION GRADATION. Delivered material that has a moisture content between 7.01% and 9.99% may be accepted with a price penalty IF the Commissioner of Highways & Facilities elects not to reject the material. Payment will not be made for delivered material that is outside the rejection gradation or has a moisture content greater than 9.99%. Rejected materials that are not removed within ten (10) days of mailing of written notification of rejection will become the property of the State.**
- 5. Sampling locations and procedures shall be determined by the Putnam County Department of Highways & Facilities and will depend on the operation of the successful low bidder. The Putnam County Department of Highways & Facilities may require that exclusive stockpiles be built, Tested, and approved prior to any delivery.**
- 6. There may be different gradation requirements among the delivery locations listed in any bid document. This is a result of the Department trying to obtain the best available material. In general, abrasive having smaller amounts of particles passing the #50 and #200 sieves provide better ice control and work better in our equipment.**
- 7. In order to discourage repeated deliveries of deficient abrasives (material delivered that falls outside the SPECIFICATION GRADATION, but within the REJECTION GRADATION), the Contractor is issued a notice of deficiency by the Department when circumstances warrant such. Once put on notice, a second delivery of such deficient material within an eighteen (18) month period may result in the Contractor and the source being declared ineligible to furnish abrasives to the Department during the next abrasives contract period.**