



REQUEST FOR QUOTE #2017-14  
Winter Sand 3/8" to No.8 and Delivery  
ADDENDUM NUMBER 1  
March 27, 2017

On March 20, 2017, Clackamas County ("County") published Request for Quotes #2017-14 Winter Sand 3/8" to No. 8 and Delivery ("RFQ"). The County has found that it is in its interest to amend the RFQ through the issuance of this Addendum #1. Except as expressly amended below, all other terms and conditions of the original RFQ and subsequent Addenda shall remain unchanged.

1. Winter Sand Specifications:  
Remove and Replace Section 00680 with the following:

**SECTION 00680 - STOCKPILED AGGREGATES**

Comply with Section 00680 of the Oregon Standard Specifications for Construction by ODOT and APWA modified as follows:

Add the following subsection:

**00680.11(c) Sanding Aggregates** - Provide winter sanding aggregates meeting the following requirements:

**(1) Grading** - Furnish clean, hard, and durable aggregate in stockpiles meeting the following grading requirements:

Sieve Size	Percent Passing (by Weight)
1/2"	100
3/8"	85 – 100
No. 4	45 - 65
No. 8	0 - 10
No. 200(wet)	0 – 2
No. 200(wet)	0 – 1*

\*in gravels

Perform sieve analysis according to AASHTO T 27 and AASHTO T 11.

Scalp the rock or gravel material from which the aggregates are produced on a screen, the entire surface of which has openings not less than 1/2 inch in size. After the material has passed over the scalping screen, it shall contain not more than 5% by weight of material passing the 1/2 inch sieve. If quarry rock is furnished, apply this requirement to the material after it has passed through the primary crusher. In addition 95% of the quarry rock shall pass a 8 inch sieve following primary crushing.

**(2) Elongated Pieces** - Elongated pieces in aggregate larger than 1/4 inch shall be determined according to ODOT TM 229, with the proportional caliper device set at a ratio of 5:1, and shall not exceed 10 percent by weight of the material retained on the 1/4 inch sieve.

**(3) Fractured Faces** - Provide aggregates consisting of broken stone, crushed gravel, or a combination of both. Crush aggregate such that at least 90% by weight of the total aggregate retained on the No. 8 and larger sieves is fractured on two faces, as determined according to AASHTO T 335.

**00680.40 (b) – Stockpile Sites** - Add the following to the end of this subsection:

Clackamas County will mark the location of each stockpile for designated sizes, aggregate from different supply sources shall not be mixed or stored in the same pile without permission from the Engineer.

**Due to limited space at some stock pile sites no guarantee is made or implied that standard “truck and pup” delivery vehicles will have room to maneuver on site.**

**00680.41 Piling of Materials** - Add the following to the end of this subsection:

The Contractor shall furnish all labor and equipment necessary to for piling and shaping as required. No belly dump type of equipment shall be used for hauling the aggregate to the stockpile sites. Contractor shall utilize front end loader with rubber tires for piling and shaping material. Stockpiles shall be square or rectangular shaped with a flat top. Contractor's loader and operator shall be at the stockpile site piling and shaping while hauling operation is in progress.

**00680.42 Places of Delivery** - Add the following to the end of this section:

Deliver and stockpile aggregate at the following locations:

**Stockpile Site Location**

**Quantity and Material to be Stockpiled**

Clackamas County Stockpile Site: Barton, Site 2046  
19009 SE Barton Park Rd, Boring, OR 97009: Deliver 5,000 tons of winter sanding aggregate. No less than 1,000 tons per day shall be delivered.

Clackamas County Stockpile Site: Marquam, Site 6103  
9412 S. Wildcat Road, Molalla, OR 97038: Deliver 5,000 tons of winter sanding aggregate. No less than 1,000 tons per day shall be delivered.

Clackamas County Stockpile Site: Steel Bridge SP 2013  
S. HWY 211 Molalla, Oregon 97038: Deliver 5,000 tons of winter sanding aggregate. No less than 1,000 tons per day shall be delivered.

**00680.80 Measurement** - Replace the bullet that begins "**Volume Basis** - When measurement is..." with the following bullet:

**Volume Basis** - When measurement is by volume, the quantities of each designated size of material will be measured on the volume basis, by cross-section measurement or a digital terrain model of the completed neat stockpiles, with no allowance for settlement or shrinkage.

**END OF SECTION**

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End of Addendum