



San Juan County Public Works

Bid Specifications

2022 Supply of Chip Rock and Road Sand

1. **Material Supply:**

- A. Vendor shall supply chip rock aggregate in accordance with the following material specifications:

General Requirements, per Washington State Department of Transportation (WSDOT) *Standard Specifications for Road, Bridge, and Municipal Construction* (2022 Edition), section 9-03.4(1)

Grading and Quality:

Chip Rock Aggregate	
Sieve Size	Percent Passing
1/2"	99 - 100
3/8"	95 – 100
No. 4	0 – 10
No. 200	0 – 1.5
% Fracture	90 min.

All percentages are by weight.

The fracture requirement shall be at least one fractured face and will apply to the combined aggregate retained on the No. 4 sieve, in accordance with FOP for AASHTO T 335.

The finished product shall be clean, uniform in quality, and free from wood, bark, roots, and other deleterious materials.

Crushed screenings shall be **washed** and substantially free from adherent coatings. The presence of a thin, firmly adhering film of weathered rock shall not be considered as coating unless it exists on more than 50 percent of the surface area of any size between successive laboratory sieves.

The portion of aggregate for bituminous surface treatment retained on a No. 4 sieve shall not contain more than 0.1 percent deleterious materials by weight.

Testing and Acceptance:

Vendor shall provide a sieve-analysis and a material sample to the County, in order to ensure conformance with the material specification. Vendor shall provide a bulk density measurement to assist in measurement and payment.

B. Vendor shall supply road sand in accordance with the following material specifications:

Road Sand	
Sieve Size	Percent Passing
3/8"	99 - 100
No. 4	90 - 100
No. 8	75 - 100
No. 16	25 - 75
No. 50	0 - 10
No. 200	0 - 5

Sand Equivalent: 60 minimum.

Road sand shall be washed.

2. Material Delivery:

Vendor shall deliver the materials in accordance with the following delivery specifications:

Delivery Location 1:

Vendor shall deliver one half (50%) of the chip rock aggregate and one half (50%) of the road sand aggregate by barge to the County-owned barge landing site at Mackaye Harbor on Lopez Island, located at 48° 26' 30" N by 122° 51' 49" W. Vendor shall supply and deploy all the necessary equipment and services to offload the materials into County owned and operated dump trucks by a conveyor system.

Delivery Location 2:

Vendor shall deliver one half (50%) of the chip rock aggregate and one half (50%) of the road sand aggregate by barge to the County-owned barge landing site at Jackson Beach on San Juan Island, located at 48° 31' 15" N by 123° 00' 20" W. Vendor shall supply and deploy all the necessary equipment and services to offload the materials into County owned and operated dump trucks by a conveyor system. Note: The existing in-water timber piling and structure at the barge landing site is derelict and may not be utilized during material delivery.

Delivery Schedule:

Vendor shall complete delivery of the chip rock aggregate and road sand to both locations by August 31, 2022. Vendor shall coordinate a mutually agreed upon delivery schedule with the County, with mutual consideration of tides, weather, and availability.

Delivery Acceptance:

County will supply and operate four (4) 10-yard dump trucks to transport the chip rock aggregate to into an onsite stockpile. The onsite stockpile is within 500 feet of the barge landing. The entire barge landing site area will be closed to the public during material delivery.

Permits:

County has obtained regulatory permission to use this established barge landing sites for the delivery and stockpiling of chip rock aggregate; any/all other regulatory approvals are the responsibility of the Vendor. Photos of previous barge landing and material off-loading operations may be viewed on the County website, along with the bid documents.

End Bid Specifications