

SPECIAL PROVISION

AMENDMENT TO SECTION 304 – AGGREGATE BASE COURSE

Item 304.7 – Stone Dust Wearing Surface

Add to Materials:

2.12 Crushed Stone Dust shall be a clean, well blended granular material, free from organic material.

Crushed Aggregate Surface Course Material (3/8” minus):

2.12.1 Aggregate shall consists of hard, durable particles or fragments of crushed stone or gravel conforming to the following requirements and gradations:

Los Angles abrasion, ASTM C 13150% max.*
Fractured faces (one face).....95% min.*
Fractured faces (two faces).....75% min.*
Soundness loss, 5 cycles, ASTM C 88 (magnesium)...18% max.*
Flat/Elongated (length to width >5 ASTM D4791.....15% max.*

*Based on portion retained on the 3/8” sieve

2.12.2 Materials shall be free from organic material and lumps or balls of clay.

2.12.3 Material passing the No. 4 sieve shall consist of natural or crushed sand and fine mineral particles. The material including any blended filler, shall have a plasticity index of not more than 6 and a liquid limit of not more than 25 when tested in accordance with ASTM D4318.

2.12.4 It is desirable (but not strictly required) that aggregate contain a minimum of 5% clay particles and no more than 50% of that portion of material passing the No. 200 sieve size shall be clay. Inorganic clay to be included as binder shall conform to the following:

Passing No. 200.....75%
Liquid Limit.....30 min.
Plastic Index.....8 min.

2.12.5 The fraction of material passing the No. 200 sieve size shall be determined by washing as indicated in ASTM D1140, "Amount of Material in Soils Finer than the No. 200 Sieve." The fractured faces for the coarse aggregate portion (retained on the No. 4 Sieve) shall have an area of each face equal to at least 75% of the smallest midsectional area of the piece. When two fractured faces are contiguous, the angle between the planes of fractures shall be at least 30 degrees to count as two fractured faces. Fractured faces shall be obtained by mechanical crushing.

2.12.6 Gradation shall be obtained by crushing, screening, and blending processes as may be necessary. Material shall meet the following gradation requirements.

Sieve Designation	Percent Passing (by weight)
1/2"	100%
3/8"	90-100%
No. 4	60-81%
No. 8	44-60%
No. 40	20-33%
No. 200	10-16%

Add to Testing and Quality Control:

3.5.6 Within 10 days of award, Contractor shall submit test results from a certified testing laboratory and a Certificate of Compliance for Crushed Stone Dust material. Failure to submit test results meeting specifications and Certificate of Compliance within 30 days will result in termination of contract and award will be made to next lowest bidder.

3.5.7 Material tested will be from predetermined stock pile of material

3.5.8 In addition to initial testing, Contractor shall perform additional gradation tests and furnish results as materials are processed and/or delivered. Frequency of additional testing shall be approximately 1 test per 1,000 tons. If source of materials should change or if a significant variation of material is observed after completion of original test, a complete set of tests, as required above, shall be performed again.

3.5.9 The owner reserves the right to conduct quality control inspection and testing at any time to determine the reliability of the test results and Certificate of Compliance. Materials delivered that do not comply with the specifications and/or certificates shall be removed from the site at no cost to the Owner.

Add to Method of Measurement:

- 4.5 Stone Dust Wearing Surface shall be measured by the ton delivered to the trail, complete in place (spread and compacted).

Add to Basis of Payment:

- 5.4 The accepted quantity of Stone Dust Wearing Surface will be paid for at the contract unit price per ton delivered to the trail, complete in place (spread and compacted).

Add to Pay items and units:

Item 304.7	Stone Dust Wearing Surface	Ton
------------	----------------------------	-----