

Attachment - C

- 1. Crushed Limestone Surfacing:** This item consists of supplying, placing and compacting crushed limestone surfacing on the existing base material and/or newly placed base course trail platform as described in project specifications, or as directed by the Engineer. This material is sometimes labeled as "crushed limestone" or "breeze". Color of crushed limestone material to be red, tan, pinkish-white. No white or grey color material.

A conversion ratio of 1.75 tons/CY for limestone surfacing material will be used on this project. This ratio was determined by Proctor tests performed by the County on similar material from other projects and assumes 95% compaction. Contractor may perform Proctor tests at their expense to revise the ratio for the County's consideration. County may also perform a Proctor test and revise the ratio. Contractor is expected to place materials and quantities as stated in the specifications, estimated quantities sheet, and site maps. County will verify with measurements and truck tickets and pay up to quantities listed on the estimated quantities sheet and bid form. Crushed limestone surfacing shall consist of 3/8" minus crushed limestone to a compacted depth of 4" and meeting the following grading requirements:

Sieve Size % Passing	
Particle Size	% Passing
3/8"	100%
#4	70 - 100%
#8	45 - 70%
#16	30 - 55%
#30	20 - 45%
#200	7 - 15%

The rock must be crushed into irregular and angular particles to allow interlocking into a tight matrix. The crushed rock must have adequate fines and some natural binders in order to cement the particles together after the fines are moistened, compacted, and allowed to dry. The fines, when laid to a depth of 4 inches, should bind to each other in a consolidated slab which is porous yet resistant to water falling on the surface. If the gradation of crusher fines does not meet the 7% passing the #200, clay fines may be added and mixed with the aggregate.

Crushed limestone surfacing shall be "dense grade" limestone. The material shall be uniform in quality and substantially free from extraneous material.

Limestone shall be placed with a method that provides a finished surface of evenly mixed material free from large pockets of separated rock.

Crushed limestone material shall be within +/- 2% of the optimum moisture content at time of compaction.

Crushed limestone shall be compacted by mechanical methods to 95% of Standard Proctor maximum dry density (per ASTM D698 or AASHTO T-99).