

New Jersey Department of Transportation CONSTRUCTION ADVISORY

NUMBER: 46	REUSE OF MILLINGS FOR I-14 SOIL AGGREGATE	02/06/2020
CATEGORY: Embankment		

Subsection 202.03.03.A.1 allows for the reuse of millings in the lower portion of I-14 soil aggregate. Only millings from the project site are to be reused. Millings may only be reused a minimum of 2 feet below the top of final subgrade, a minimum of 2 feet above the highest seasonal high ground water table and not within 2 feet of any underground utility. Compaction is to be achieved by the directed method as specified in 203.03.02.B.3. unless otherwise directed by the ME.

The RE will notify the Bureau of Materials (Trenton) when MILLING for reuse as I-14 begins. Once a sufficient stockpile of millings has been produced, the Bureau of Materials will inspect the stockpile and obtain representative samples for testing. The Bureau of Materials will conduct a gradation according to AASHTO T 27 and a proctor according to AASHTO T 99, Method C. The test results will be reported to the RE and the ME for approval. Once approved, the ME will notify the RME so that the results can be used for field density testing.

The RE will notify the RME when each lift of millings to be reused for I-14 aggregate are in place and ready for density testing according to AASHTO T 310 (Direct Transmission Method) in order to determine the number of passes to optimize density for the Dynamic Compactor as specified in Table 203.03.02-1. If the Contractor decides to use a Pneumatic-Tired Roller, the number of passes will be 5 minimum as determined by the RME as specified in Table 203.03.02-1.

The RE is to keep well documented records and as-built the placement location of the millings, including elevation, thickness, stationing and offset. The documentation should show the highest seasonal high ground water table elevation, the final subgrade elevation and any underground utility with respect to the millings placed. Include the location of the millings on the Office Plans and ultimately transferred to the As-Built Plans.

As specified in 203.04, the quantity of Borrow I-14 Soil Aggregate will be reduced by the volume of millings reused unless the Earthwork Summary indicates the millings are available for I-14 embankment.

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Director, Construction & Materials

