

Required Preliminary Aggregate Testing for Concrete Paving

When required in accordance with 2301.2A1a or as directed by the Concrete Engineer

As soon as coarse and fine aggregate is available for testing, the Contractor shall contact Mn/DOT or designated representative to coordinate preliminary sampling of aggregate for concrete paving. Mn/DOT will sample and test the aggregate to verify specific gravity, absorption data, and aggregate quality and perform other tests as determined by the Concrete Engineer.

Coarse Aggregate Stockpiling Requirements

Sufficient aggregate must be produced 4 weeks prior to the commencement of paving operations to provide sufficient time for aggregate quality testing.

The QC/QA program for CLASS B and C Aggregates will comply with the following procedure:

- (1) The aggregate producer shall produce a 1000 metric ton (**ton**) stockpile of each fraction of aggregate that is to go into the work. Then, production shall cease for 4 business days to check aggregate quality. The Engineer and the aggregate producer, in the presence of one another, shall take 3 split samples of each stockpile and each run the appropriate test, depending on the aggregate class, to examine aggregate quality. The aggregate producer can use this correlation to aid in the quality control of the aggregates. If the Mn/DOT test results indicate that the aggregate is acceptable, production can resume. If the test results are unacceptable, the stockpile will be rejected and the procedure will start again after the aggregate producer has corrected the operation.
- (2) After acceptability is verified, the aggregate producer shall continue to take quality control samples for testing at the rate of 1 sample per fraction per 1/2 day of production during the entire period of aggregate production. The appropriate test for the aggregate class shall be run as soon as possible after sampling. For each fraction, the aggregate producer shall plot the test results on a chart indicating the specification limits for the appropriate test. The aggregate producer shall make changes in the operation if the material approaches the specification limit.