

# AGGREGATE

## GENERAL

This evaluation procedure outlines the Department's approval process for aggregate producers.

## SPECIFICATIONS

TDOT Standard Specifications Section 903

AASHTO T 11  
AASHTO T 19  
AASHTO T 27  
AASHTO T 85  
AASHTO T 88  
AASHTO T 96  
AASHTO T 104  
AASHTO T 161  
AASHTO T 176  
AASHTO T 244  
AASHTO T 267  
AASHTO T 278  
AASHTO T 279  
AASHTO M 17  
AASHTO M 43  
AASHTO M 45  
AASHTO M 80  
AASHTO M 195  
ASTM D 692  
ASTM D 1073  
ASTM D 5821

## PROCEDURES

Aggregates must exhibit certain physical and chemical properties that reflect their ultimate quality and durability. The TDOT Standard Specifications for Road and Bridge Construction dated January 1, 2015, have several aggregate properties specified, including abrasion resistance, freeze-thaw durability, gradation, particle shape, deleterious materials, and others. Aggregates used for bituminous or concrete riding surfaces must demonstrate additional properties that would indicate the aggregates ability to satisfactorily provide a skid-resistant pavement. These properties may include silica dioxide content, insoluble residue content, calcium carbonate content, and British Pendulum Numbers. All submittals must be submitted to the Division of Materials and Tests at the contact listed below.

[TDOT.AggregateMTR@tn.gov](mailto:TDOT.AggregateMTR@tn.gov)

**For additional guidance, please refer to TDOT Standard Operating Procedure (SOP) 2-1.**