



Designation: D6155 – 06

# Standard Specification for Nontraditional Coarse Aggregates for Bituminous Paving Mixtures<sup>1</sup>

This standard is issued under the fixed designation D6155; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reappraisal.

## 1. Scope

1.1 This specification covers the use of coarse aggregates not traditionally used in bituminous paving mixtures. These nontraditional aggregates can be described as any aggregate other than those described in Specifications [D692](#), [D693](#), [D1139](#), and [D5106](#), (crushed stone, crushed hydraulic-cement concrete, crushed blast-furnace slag, steel furnace slag, and crushed gravel) suitable for use in bituminous paving mixtures, as described in Specifications [D3515](#) or [D4215](#).

1.2 The values stated in SI units are to be regarded as the standard. The inch-pound units given in parentheses are for information only.

1.3 The text of this specification references notes and footnotes that provides explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the specification.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

## 2. Referenced Documents

### 2.1 ASTM Standards:<sup>2</sup>

- [C29/C29M Test Method for Bulk Density \(“Unit Weight”\) and Voids in Aggregate](#)
- [C88 Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate](#)
- [C125 Terminology Relating to Concrete and Concrete Aggregates](#)
- [C131 Test Method for Resistance to Degradation of Small-](#)

- [Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine](#)
- [C136 Test Method for Sieve Analysis of Fine and Coarse Aggregates](#)
- [C142 Test Method for Clay Lumps and Friable Particles in Aggregates](#)
- [C294 Descriptive Nomenclature for Constituents of Concrete Aggregates](#)
- [D8 Terminology Relating to Materials for Roads and Pavements](#)
- [D75 Practice for Sampling Aggregates](#)
- [D448 Classification for Sizes of Aggregate for Road and Bridge Construction](#)
- [D692 Specification for Coarse Aggregate for Bituminous Paving Mixtures](#)
- [D693 Specification for Crushed Aggregate for Macadam Pavements \(Withdrawn 2008\)<sup>3</sup>](#)
- [D1139 Specification for Aggregate for Single or Multiple Bituminous Surface Treatments](#)
- [D2489 Practice for Estimating Degree of Particle Coating of Bituminous-Aggregate Mixtures](#)
- [D3319 Practice for the Accelerated Polishing of Aggregates Using the British Wheel](#)
- [D3515 Specification for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures \(Withdrawn 2009\)<sup>3</sup>](#)
- [D3665 Practice for Random Sampling of Construction Materials](#)
- [D4215 Specification for Cold-Mixed, Cold-Laid Bituminous Paving Mixtures](#)
- [D4792 Test Method for Potential Expansion of Aggregates from Hydration Reactions](#)
- [D4867/D4867M Test Method for Effect of Moisture on Asphalt Concrete Paving Mixtures](#)
- [D5106 Specification for Steel Slag Aggregates for Bituminous Paving Mixtures](#)
- [D5711 Test Method for Determining the Adherent Coating on Coarse Aggregates](#)
- [D5821 Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate](#)

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.50 on Aggregate Specifications.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.

<sup>3</sup> The last approved version of this historical standard is referenced on [www.astm.org](http://www.astm.org).