



Designation: D 6155 – 01

Standard Specification for Nontraditional Coarse Aggregates for Bituminous Paving Mixtures¹

This standard is issued under the fixed designation D 6155; 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 reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

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 **D 692**, **D 693**, **D 1139**, and **D 5106**, (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 **D 3515** or **D 4215**.

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.

2. Referenced Documents

2.1 ASTM Standards:

- C 29/C 29M** Test Method for Bulk Density (“Unit Weight”) and Voids in Aggregate²
- C 88** Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate²
- C 125** Terminology Relating to Concrete and Concrete Aggregates²
- C 131** Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine²
- C 136** Test Method for Sieve Analysis of Fine and Coarse Aggregates²
- C 142** Test Method for Clay Lumps and Friable Particles in Aggregates²
- C 294** Descriptive Nomenclature of Constituents of Concrete Aggregates²
- D 8** Terminology Relating to Materials for Roads and Pavements³
- D 75** Practice for Sampling Aggregates³
- D 448** Classification for Sizes of Aggregate for Road and Bridge Construction³

- D 692** Specification for Coarse Aggregate for Bituminous Paving Mixtures³
 - D 693** Specification for Crushed Aggregate for Macadam Pavements³
 - D 1139** Specification for Aggregate for Single or Multiple Bituminous Surface Treatments³
 - D 2489** Practice for Estimating Degree of Particle Coating of Bituminous-Aggregate Mixtures³
 - D 3319** Test Method for Accelerated Polishing of Aggregates Using the British Wheel³
 - D 3515** Specification for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures³
 - D 3665** Practice for Random Sampling of Construction Materials³
 - D 4215** Specification for Cold-Mixed, Cold-Laid Bituminous Paving Mixtures³
 - D 4792** Test Method for Potential Expansion of Aggregates from Hydration Reactions³
 - D 4867/D 4867M** Test Method for Effect of Moisture on Asphalt Concrete Paving Mixtures³
 - D 5106** Specification for Steel Slag Aggregates for Bituminous Paving Mixtures³
 - D 5711** Test Method for Adherent Fines³
 - D 5821** Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate³
- #### 2.2 U. S. Environmental Protection Agency Standards:
- SW846 1311** EPA Test Method, Toxicity Characteristic Leaching Procedure⁴

3. Terminology

3.1 *Definitions*—For defining aggregate types, see Descriptive Nomenclature **C 294** and Terminologies **C 125** and **D 8**.

4. Ordering Information

4.1 Orders for the material under this specification shall include the following information:

- 4.1.1 The specification designation and year of issue,
- 4.1.2 The size number as given in Classification **D 448** or grading to be furnished,

¹ 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.

Current edition approved Dec. 10, 2001. Published February 2002. Originally published as D 6155–97. Last previous edition D 6155–97

² *Annual Book of ASTM Standards*, Vol 04.02.

³ *Annual Book of ASTM Standards*, Vol 04.03.

⁴ Available from Department of Commerce, National Technical Information Center, 5285 Port Royal Road, Springfield, VA 22151. Order Number: EPASW-846.3.3.