

APPENDIX B

REFERENCES

Government Publications.

Department of the Army.

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| EM 1110-3-136 | Drainage and Erosion Control. |
| EM 1110-3-137 | Soil Stabilization for Pavements. |
| EM 1110-3-138 | Pavement Criteria for Seasonal Frost Conditions. |
| EM 1110-3-142 | Airfield Rigid Pavement. |

Military Standards.

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| MIL-STD-620A & Notice 1 | Test Methods for Bituminous Paving Materials. |
| MIL-STD-621A & Notices 1,2 | Test Methods for Pavement Subgrade, Subbase, and Base-Course Materials. |

Nongovernment Publications.

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| American Association of State Highway and Transportation Officials (AASHTO), 444 North Capitol, Washington, D.C. 20001 | |
| T 2-74 | Sampling Stone, Slag, Gravel, Sand and Stone Block for Use as Highway Materials. |
| T 19-76 | Unit Weight of Aggregate. |
| T 27-74 | Sieve Analysis of Fine, and Coarse Aggregates. |
| T 88-72 | Mechanical Analysis of Soils. |
| T 89-68 | Determining the Liquid Limit of Soils. |
| T 90-70 | Determining the Plastic Limit and Plasticity Index of Soils. |

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- T 96-74 Abrasion of Coarse Aggregate by
 Use of the Los Angeles Machine.
- T 99-74 Moisture-Density Relations of
 Soils, Using a 5.5 lb (2.5 kg)
 Rammer and a 12 in. (305mm)
 Drop.
- T 101 Determining Swell Characteristics
 of Aggregates When Mixed with
 Bituminous Materials.
- T 104 Soundness of Aggregates by use of
 Sodium Sulfate or Magnesium
 Sulfate
- T 134-70 Moisture-Density Relations of
 Soil-Cement Mixtures.
- T 135-70 Wetting-and-Drying Test of
 Compacted Soil-Cement Mixtures.
- T 136-70 Freezing-and-Thawing Tests of
 Compacted Soil-Cement Mixtures.
- T 176-73 Plastic Fines in Graded
 Aggregates and Soils by Use of
 the Sand Equivalent Test.
- T 191-61
(R 1982) Density of Soil In Place by the
 Sand Cone Method.
- T 193-80I The California Bearing Ratio.
- American Society for Testing and Materials (ASTM), 1916
Race Street, Philadelphia, PA 19103
- C 29-78 Unit Weight and Voids in
 Aggregate.
- C 88-76 Soundness of Aggregates by Use of
 Sodium Sulfate or Magnesium
 Sulfate.
- C 117-80 Material Finer Than 76 um (No. 200)
 Sieve in Mineral Aggregates by
 Washing.

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| C 127-81 | Specific Gravity and Absorption of Coarse Aggregate. |
| C 128-79 | Specific Gravity and Absorption of Fine Aggregate. |
| C 131-81 | Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine. |
| C 136-82 | Sieve Analysis of Fine and Coarse Aggregates. |
| C 183-82 | Sampling and Acceptance of Hydraulic Cement. |
| C 188-78 | Density of Hydraulic Cement. |
| D 75-81 | Sampling Aggregates. |
| D 140-70 (R 1981) | Sampling Bituminous Materials. |
| D 242-70 (R 1980) | Mineral Filler for Bituminous Paving Mixtures. |
| D 422-63 (R 1972) | Particle-Size Analysis of Soils. |
| D 423-66 (R 1972) | Liquid Limit of Soils. |
| D 424-59 (R 1971) | Plastic Limit and Plasticity Index of Soils. |
| D 490-77 | Tar. |
| D 558-57 (R 1976) | Moisture-Density Relations of Soil-Cement Mixtures. |
| D 559-57 (R 1976) | Wetting and Drying Tests of Compacted Soil-Cement Mixtures. |
| D 560-57 (R 1976) | Freezing-and-Thawing Tests of Compacted Soil-Cement Mixtures. |
| D 854-58 | Tests for Specific Gravity of Soils. |

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- D 946-82 Penetration-Graded Asphalt Cement for Use in Pavement Construction.
- D 977-80 Emulsified Asphalt.
- D 1556-64 (R 1974) Density of Soil In Place by the Sand-Cone Method.
- D 1557-78 Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-lb (4.5 Kg) Rammer and 18-in. (457-mm) Drop.
- D 1559-76 Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus.
- D 1633-63 (R 1979) Compressive Strength of Molded Soil-Cement Cylinders.
- D 1883-73 (R 1978) Bearing Ratio of Laboratory-Compacted Soils.
- D 2026-72 (R 1979) Cutback Asphalt (Slow-Curing Type).
- D 2027-76 (R 1981) Cutback Asphalt (Medium-Curing Type).
- D 2028-76 (R 1981) Cutback Asphalt (Rapid-Curing Type).
- D 2172-81 Quantitative Extraction of Bitumen from Bituminous Paving Mixtures.
- D 2397-79 Cationic Emulsified Asphalt.
- D 2419-74 (R 1979) Sand Equivalent Value of Soils and Fine Aggregate.
- D 2993-71 (R 1977) Acrylonitrile-Butadiene Rubberized Tar.
- D 3381-81 Viscosity-Graded Asphalt Cement for Use in Pavement Construction.

EM 1110-3-141
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Asphalt Institute (AI), Asphalt Institute Building, College
Park, MD 20740

MS-2

Mix Design for Asphalt Concrete
and Other Hot-Mix Types.

GPO 906-320