

**Table of Contents**  
**Laboratory Testing Methods**

<b>1000</b>	<b>Standard Practices</b> (Ver. Jan 3, 2005)
1001	Receiving and Identifying Samples (Ver. Apr 17, 2000)
1002	Reducing Aggregate Field Samples to Testing Size (Ver. Oct 1, 2002)
1003	Lab – Field Tolerance Procedure – for Bituminous, Concrete, and Grading and Base (Ver. Aug 4, 2011)
<b>1200</b>	<b>Aggregate and Sand</b>
1201	Sample Preparation (Ver. Apr 16, 2010)
1202	Coarse Sieve Analysis (Ver. Jan 6, 2010)
1203	Fine Sieve Tests (Ver. Apr 16, 2010)
1204	Specific Gravity and Absorption (+4) (Ver. Jan 10, 2002)
1205	Specific Gravity and Absorption (-4) (Ver. Oct 1, 2002)
1206	Uncompacted Void Content of Fine Aggregate (FAA) (Ver. Apr 16, 2010)
1207	Lightweight Pieces In Aggregates (Ver. Jan 3, 2005)
1208	Flat and/or Elongated Particles in Coarse Aggregate (Ver. Mar 17, 2006)
1209	Lithological Count (Ver. Jun 4, 2008)
1210	Los Angeles Rattler (Ver. Jan 3, 2005)
1211	Unit Weight Determination (Ver. Jan 3, 2005)
1212	Organic Impurities in Sand for Concrete (Ver. Jan 3, 2005)
1213	Structural Strength of Sand (Ver. Jan 3, 2005)
1214	Percent Crushed Particles (Ver. Jan 3, 2005)
1215	Plastic Fines in Graded Aggregate (Sand Equiv Test) (Ver. Apr 17, 2000)
1216	Resistance of Abrasion of Coarse Aggregate (Micro-Deval) (Ver. Oct 1, 2002)
1217	Resistance of Abrasion of Fine Aggregate (Micro-Deval) (Ver. Apr 17, 2000)

---

1218	Scratch Hardness of Coarse Aggregate Particles (Soft Rock) (Ver. Apr 17, 2000)
1219	Magnesium Sulfate (Soundness) (Ver. Apr 17, 2007)
1221	Acid Insoluble Residue (Ver. Apr 17, 2000)
1222	Alkali – Silica Reactivity (Ver. Apr 17, 2007)
1223	Flakiness Index (New Jan 3, 2005)
<b>1300</b>	<b>Soil</b>
1301	Preparation of Samples for Testing (Ver. Apr 17, 2000)
1302	Particle Size Analysis (Ver. Aug 17, 2001)
1303	Liquid Limit Determination (Ver. Apr 17, 1995)
1304	Plastic Limit Determination (Ver. Apr 17, 1995)
1305	Moisture - Density Relationship (Soil & Granular) (Ver. Oct 1, 2002)
1307	R-Value and Expansion Pressure of Compacted Soils (Ver. Apr 17, 1995)
1308	Unconfined Compression (Ver. Apr 17, 1995)
1309	Direct Shear (Ver. Apr 17, 1995)
1310	Consolidation (Ver. Apr 17, 1995)
1311	Triaxial Compression (Ver. Apr 17, 2000)
1312	Field Classification of Soils (Ver. Apr 17, 2000)
1313	Soil Fertility (Ver. Apr 17, 1995)
1314	Specific Gravity of Soils (Ver. Apr 17, 1995)
<b>1400</b>	<b>Cement, Concrete Products and Curing Materials</b>
1401	Cement (Ver. Apr 17, 2000)
1402	Concrete Brick (Ver. Apr 17, 2000)
1403	Concrete Curing Compound (Ver. Apr 17, 2000)
1404	Concrete Curing Materials (Ver. Apr 17, 2000)

- 
- 1405 Concrete Masonry Units for Manholes and Catch Basins (Ver. Apr 17, 2000)
- 1406 Concrete Building Blocks (Ver. Apr 17, 2000)
- 1407 Concrete Cylinders (Ver. Oct 1, 2002)
- 1408 Culvert and Miscellaneous Cores (Ver. Apr 17, 1995)
- 1409 Concrete Drain Tile (Ver. Apr 17, 1995)
- 1410 Cores from Pavement (Ver. Apr 17, 1995)
- 1411 Concrete Pavement Beams (Ver. Apr 17, 1995)
- 1412 Linear Traverse (Ver. Apr 17, 1995)
- 1413 Fly Ash (Ver. Apr 17, 1995)
- 1500 Metallic Materials**
- 1501 Reinforcement Bars (Ver. Apr 17, 1995)
- 1502 Wire Mesh (Ver. Apr 17, 1995)
- 1503 Gray Iron Castings (Ver. Apr 17, 1995)
- 1505 Cutting Edges (Ver. Apr 17, 1995)
- 1506 Fasteners (Ver. Apr 17, 1995)
- 1507 Steel Posts (Ver. Apr 17, 1995)
- 1508 Guard Rail Fittings (Ver. Apr 17, 1995)
- 1509 Chain Link Fence Fabric (Ver. Apr 17, 1995)
- 1510 Plow Bolts (Ver. Apr 17, 1995)
- 1511 Prestressing Strand (Ver. Apr 17, 2000)
- 1512 Plate Beam Guardrail (Ver. Apr 17, 2000)
- 1513 Sign Sheeting (Ver. Apr 17, 2000)
- 1514 Steel Cable & Fittings (Ver. Apr 17, 2000)

**1600 Joint Materials & Bearing Pads**

- 1601 Preformed Joint Filler (Bituminous Type) (Ver. Apr 17, 1995)
- 1602 Preformed Joint Filler (Bituminous, Fiber & Cork) (Ver. Apr 17, 1995)
- 1603 Elastomeric Compression Seals (Ver. Apr 17, 1995)
- 1604 Elastomeric Bearing Pads (Ver. Apr 17, 1995)
- 1605 Asphalt Plank (Ver. Apr 17, 1995)
- 1606 Silicone Rubber Joint Filler (Ver. Apr 17, 1995)
- 1607 Elastomeric Compression Joint Seal – Compression/Deflection Test (Ver. Mar 7, 2011)
- 1608 Cement Mortar Blocks for Bond Test (Ver. Mar 7, 2011)
- 1609 Asphalt Mix Blocks for Bond Test (Ver. Mar 7, 2011)

**1700 Miscellaneous Materials**

- 1701 Electrical Cable (Ver. Apr 17, 1995)
- 1702 Geotextiles (Ver. Apr 17, 1995)
- 1703 Clay Pipe & Drain Tile (Ver. Apr 17, 1995)
- 1704 Polyethylene Tubing (Ver. Apr 17, 1995)
- 1705 Pavement Marking Tapes (Ver. Apr 17, 1995)
- 1706 Glass Beads – Laboratory Retroreflectivity (Ver. Mar 7, 2011)
- 1707 Glass Beads – Percent Rounds (Ver. Mar 7, 2011)

**1800 Bituminous Mix Design**

- 1801 General (Ver. Apr 16, 2010)
- 1804 Trial Mix Preparation (Ver. Oct 1, 2002)
- 1805 Resistance to Plastic Flow (Marshall Method) (Ver. Jan 10, 2002)
- 1806 Bulk Specific Gravity (Marshall or Gyratory Method) (Ver. Jan 3, 2005)

---

1807	Maximum Specific Gravity (Rice Voids) (Ver. Aug 17, 2001)
1808	Percent Air Voids (Ver. Apr 17, 2000)
1809	Bituminous Mixtures - Voids Determination (Ver. Apr 16, 2010)
1810	Bulk Specific Gravity – Cores (Ver. Apr 16, 2010)
1811	Bulk Specific Gravity (Paraffin or Parafilm) (Ver. Apr 17, 2000)
1812	Bituminous Mixture Samples (Trial Mix Verification) (Ver. Jan 10, 2002)
1813	Effect of Moisture on Asphalt Paving Mixtures (Lottman) (Ver. Jan 1, 2004)
1815	Determination of RAP Aggregate Bulk Specific Gravity (Ver. Apr 17, 2007)
1816	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using an Automatic Vacuum Sealing Method – (Corelok System) Modified (Ver. Apr 16, 2010)
1820	Density of HMA Specimens By Means of the Gyratory Compactor (Ver. Jan 10, 2002)
1851	Asphalt Content Determination of Bituminous Mixtures (Colorado) (Ver. Apr 17, 2000)
1852	Asphalt Content Determination of Bituminous Mixtures (Centrifuge) (Ver. Apr 16, 2010)
1853	Asphalt Content Determination of Bituminous Mixtures (Ignition) (Ver. Apr 17, 2007)
1854	Adjusted Asphalt Film Thickness (AFT) (Ver. Apr 16, 2010)
1855	Moisture Content of Hot Mix Asphalt by Oven Method (Ver. Apr 16, 2010)
<b>2000</b>	<b>Calibration of Field Testing Equipment</b>
2001	Field Dairy Scale (Ver. Apr 17, 1995)
2002	Ohaus Triple Beam Balance (Ver. Apr 17, 1995)
2003	Field Platform Balance (Ver. Apr 17, 1995)
2004	Field Proctor Hammer & Molds (Ver. Apr 17, 1995)
2005	Marshall Compaction Hammer (Ver. Apr 17, 2000)
2006	Mn/DOT Concrete Air Testing Unit (Ver. Apr 17, 1995)
2007	Watts Pressure Meters (Ver. Apr 17, 1995)
2008	Field Box Sieves (Ver. Jan 1, 2004)

---

2009	Round Sieves (Ver. Jan 1, 2004)
2100	Dial Thermometers (Ver. Apr 17, 1995)
<b>2100</b>	<b>Rock Salt and Alternative Winter Chemicals</b>
2101	Rock Salt Moisture – Microwave (Ver. Mar 7, 2011)
2102	Rock Salt Moisture – Moisture Balance (Ver. Mar 7, 2011)
2103	Rock Salt Moisture – Oven (Ver. Mar 7, 2011)
2104	Rock Salt Gradation (Ver. Mar 23, 2011)
2105	Rock Salt Composition (Ver. Mar 7, 2011)
2106	Treated Salt – Liquid Treating Agent Content (Ver. Mar 7, 2011)
2107	Alternative Chemicals Sampling (Ver. Mar 7, 2011)
2108	Alternative Chemicals Specific Gravity (Ver. Mar 7, 2011)
2109	Alternative Chemicals Magnesium Chloride Content (Ver. Mar 7, 2011)
2110	Alternative Chemicals Calcium Chloride Content (Ver. Mar 7, 2011)
2111	Alternative Chemicals Solids Content (Ver. Mar 7, 2011)

**Note:** Sections 3000, 4000 and 5000 are reserved for future use.