

**Resolution Testing Costs  
Year 2012-2013 Rates**

<b>Bituminous Lab</b>		
<b>Test Name</b>	<b>Quantity</b>	<b>Test Cost</b>
Bulk specific gravity of Compacted Bituminous Mixtures (FM 1-T166)	Per roadway core or gyratory pill	\$35.41
Ignition Oven Method (FM5-563)	Per asphalt content	\$113.24
Max specific gravity (FM1-T209)	Per average of two flasks	\$129.00
Superpave Gyratory Compaction (AASHTO T312-04)	Per pair of gyratory pills	\$206.78
Ignition Oven (FM 5-563) and Mechanical Analysis (FM1-T030)	Per gradation	\$150.42
<b>Soil Lab</b>		
<b>Test Name</b>	<b>Quantity</b>	<b>Test Cost</b>
Consolidation (AASHTO T 216)	Per sample	\$443.20
Direct Shear (AASHTO T 236)	Per sample	\$273.88
Dry Gradation (AASHTO T 27)	Per sample	\$47.82
Hydrometer (AASHTO T 88)	Per sample	\$110.64
LBR (FM 5-515)	Per sample	\$324.18
Liquid Limit (AASHTO T 89)	Per sample	\$48.44
Modified Proctor (AASHTO T 180)	Per sample	\$104.72
Moisture Content (AASHTO T 265)	Per sample	\$14.42
Organic (AASHTO T267)	Per sample	\$40.99
Permeability (AASHTO T 215, ASTM 5084, FM 5-513)	Per sample	\$156.06
Plastic Index (AASHTO T 90)	Per sample	\$46.85
Specific Gravity (AASHTO T 100)	Per sample	\$73.50
Split Tensile (ASTM D 3967)	Per sample	\$124.00
Standard Proctor (AASHTO T 99)	Per sample	\$102.90
Triaxial (AASHTO T 297)	Per sample	\$342.05
Unconfined Compression (ASTM D 2931)	Per sample	\$91.00
Wash Gradation (AASHTO T 88)	Per sample	\$38.40
<b>Aggregate Lab</b>		
<b>Test Name</b>	<b>Quantity</b>	<b>Test Cost</b>
Coarse Aggregate Specific Gravity and Absorption (FM1-T85)	Per sample	\$81.68
Coarse Aggregate Gradation (AASHTO T27)	Per sample	\$53.34
Coarse Aggregate L.A.Abrasion (FM1-T096)	Per sample	\$274.48
Coarse Aggregate Soundness (AASHTO T04)	Per sample	\$252.48
Coarse Aggregate Unit Weight (AASHTO T19)	Per sample	\$50.61
Fine Aggregate Specific Gravity and Absorption (FM1-T084)	Per sample	\$82.37
Fine Aggregate Gradation (AASHTO T27)	Per sample	\$53.34
Fine Aggregate Org. Impur (AASHTO T21)	Per sample	\$44.14
<b>Physical Lab</b>		
<b>Test Name</b>	<b>Quantity</b>	<b>Test Cost</b>
Core Breaks (ASTM C42)	Per Core	\$32.57
Cylinder Break (ASTM C39)- For resolution investigation that compares with verification, see section 346		
<b>Chemical Lab</b>		
<b>Test Name</b>	<b>Quantity</b>	<b>Test Cost</b>
Acid insol	Per sample	\$106.88
Limerock	Per sample	\$58.76
Topsoil	Per sample	\$47.85
Water for Concrete	Per sample	\$90.79