

BITUMINOUS UNIT

Colorado Procedures – Laboratory:

Tests of Protective Covering for Bridge Deck Waterproofing Membrane	CP-L 2202
Pliability and Thickness of Prefabricated Reinforced Membrane.....	CP-L 2203
Determining Toughness and Tenacity of Rubberized Asphaltic Materials	CP-L 2210
Elastic Recovery Test Procedure	CP-L 2211
Residue by Evaporation of Asphalt Emulsion	CP-L 2212
Coating of Bitumen-Aggregate Mixtures	CP-L 2213
Verification of Binder Acidity.....	CP-L 2214
Effect of Heat and Air on a Moving Film of Asphalt (replaced Subsection only)	CP-L 2215

Standard Test Procedures: AASHTO / ASTM

	<u>AASHTO</u>	<u>ASTM</u>
Loss on Heating of Oil and Asphaltic Compounds.....		D 6
Relative Density of Solid Pitch and Asphalt (Displacement Method)		D 71
Joint Sealant, Hot-Applied, Elastomeric-Type, for PCCP.....		D 3406
Crack Filler, Hot-Applied, for Asphalt Concrete and PCCP		D 5078
Joint and Crack Sealants, Hot Applied, for Asphalt Concrete and PCCP (Type I and Type II)		D 6690
Performance-Graded Asphalt Binder	M 320	
Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV).....	R 28	
Grading or Verifying the Performance Grade (PG) of an Asphalt Binder	R 29	
Penetration of Bituminous Materials.....	T 49	
Float Test for Bituminous Materials.....	T 50	
Ductility of Bituminous Materials	T 51	
Softening Point of Bitumen (Ring-and-Ball Apparatus)	T 53	
Testing Emulsified Asphalts	T 59	

Saybolt Viscosity	T 72
Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	T 227
Specific Gravity of Semi-Solid Bituminous Materials	T 228
Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test)	T 240
Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	T 313
Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT)	T 314
Determining Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	T 315
Viscosity Determination of Asphalt Binder Using Rotational Viscometer	T 316