



OKLAHOMA
Transportation

Materials Division

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Edmond, OK 73013
www.odot.org

Technician Demonstrating Test Method for 2021 Re Source Assessment #R30826

Asphalt Binder

Supporting Documents/Calibration Records	AASHTO or Other	ASTM	Test Name	Name of Technician Demonstrating Test Method	Evaluations and Training Records
	R28 ✓	D6521	Pressurized Aging Vessel (PAV)	Lane Hatley	View
	T44 ✓	D2042	Solubility of Asphalt Materials in Trichloroethylene	Jessica Toney	View
View	T48 ✓	D92	Flash Point by Cleveland Open Cup	Jessica Toney	View
	T49 ✓	D5	Penetration of Bituminous Materials	Katelyn Caskey	View
View	T50 ✓	D139	Float Test for Bituminous Materials	Katelyn Caskey	View

	T51 ✓	D113	Ductility of Bituminous Materials	Lane Hatley	View
	T53 ✓	D36	Softening Point of Bitumen (Ring-and-Ball)	Katelyn Caskey	View
	T78 ✓	D402	Distillation of Cut-Back Asphaltic Products	Jessica Toney	View
	T79 ✓	D3143	Flash Point With Tag Open-Cup Apparatus	Jessica Toney	View
View	T201 ✓	D2170	Kinematic Viscosity of Asphalts	Jessica Toney	View
View	T202 ✓	D2171	Viscosity by Vacuum Capillary	Jessica Toney	View
	T228 ✓	D70	Specific Gravity of Asphalt Cement	Lane Hatley	View
	T240 ✓	D2872	Rolling Thin-Film Oven Test	Lane Hatley	View
	T295 ✓	D3142	Specific Gravity of Liquid Asphalts by Hydrometer	Katelyn Caskey	View
	T301	D6084 ✓	Elastic Recovery Test	Lane Hatley	View
View	T313 ✓	D6648	Bending Beam Rheometer (BBR)	Jessica Toney	View

View	T315 ✓	D7175	Dynamic Shear Rheometer (DSR)	Lane Hatley	View
View	T316 ✓	D4402	Viscosity of Asphalt Binder Using Rotational Viscometer	Lane Hatley	View
	T350 ✓	D7405	Multiple Stress Creep and Recovery (MSCR)	Lane Hatley	View
Emulsified Asphalt					
Supporting Documents/Calibration Records	AASHTO or Other	ASTM	Test Name	Name of Technician Demonstrating Test Method	Evaluations and Training
	T59 ✓	D6930	Settlement and Storage Stability	Jessica Toney	View
	T59 ✓	D6933	Sieve Test	Katelyn Caskey	View
	T59 ✓	D6934	Residue by Evaporation	Katelyn Caskey	View
	T59 ✓	D7402	Particle Charge	Jessica Toney	View
View	T59 ✓	D7496	Saybolt Viscosity at 25°C (77°F)	Katelyn Caskey	View
View	T59 ✓	D7496	Saybolt Viscosity at 50°C (122°F)	Katelyn Caskey	View
Asphalt Mixture					

Supporting Documents/Calibration Records	AASHTO or Other	ASTM	Test Name	Name of Technician Demonstrating Test Method	Evaluations and Training
	R47 ✓		Reducing Samples of Hot-Mix Asphalt	Kyle Massey	View
	R79 ✓	D7227	Rapid Vacuum Drying	Kyle Massey	View
	T30 ✓	D5444	Mechanical Analysis of HMA	Kenny Herbert	View
	T164 ✓	D2172	Quantitative Extraction of Asphalt Binder from HMA	Kenny Herbert	View
	T166 ✓	D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt	Kyle Massey	View
	T209 ✓	D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	Kyle Massey	View
	T269 ✓	D3203	Percent Air Voids in Bituminous Paving Mixtures	Kyle Massey	View
	T283 ✓	D4867	Moisture-Induced Damage of HMA (Tensile Strength Ratio)	Kyle Massey	View
	T308 ✓	D6307	Asphalt Content by Ignition Method	Kenny Herbert	View

	T312 ✓	D6925	Hot Mix Asphalt Superpave Gyratory Compactor	Kyle Massey	View
	T324 ✓		Hamburg Wheel-Track Test	Kenny Herbert	View
	T329 ✓		Moisture Content of HMA by Oven	Kenny Herbert	View
View	T331 ✓	D6752	Bulk Specific Gravity Using Vacuum Sealing Method	Kyle Massey	View
		D3549 ✓	Thickness or Height of Compacted Specimens	Kyle Massey	View
Soil					
Supporting Documents/Calibration Records	AASHTO or Other	ASTM	Test Name	Name of Technician Demonstrating Test Method	Evaluations and Training
	R58 ✓	D421 ✓	Dry Preparation of Samples	Ajai George	View
View	T88 ✓	D422 ✓	Particle Size Analysis of Soils by Hydrometer	Mary Sloup	View
	T89 ✓	D4318	Liquid Limit of Soils (Atterberg Limits)	Mary Sloup	View
	T90 ✓	D4318 ✓	Plastic Limit of Soils (Atterberg Limits)	Mary Sloup	View

View	T99 ✓	D698 ✓	Moisture-Density (Proctor) of Soils, Standard Effort	Ajai George	View
View	T100 ✓	D854	Specific Gravity of Soils	John Richards	View
View	T180 ✓	D1557 ✓	Moisture-Density (Proctor) of Soils, Modified Effort	Ajai George	View
	T193 ✓	D1883 ✓	California Bearing Ratio	Price Hayes	View
	T208 ✓	D2166 ✓	Unconfined Compressive Strength of Soil	John Richards	View
View	T216 ✓	D2435 ✓	One-Dimensional Consolidation of Soils	John Richards	View
View	T236 ✓	D3080	Direct Shear of Soils	John Richards	View
	T265 ✓	D2216 ✓	Moisture Content of Soils	Claudius Oladele	View
		D2487 ✓	Classification of Soils (Unified System)	Thomas Leis	View
		D2488 ✓	Description and Identification of Soils (Visual-Manual)	Thomas Leis	View
View		D4943 ✓	Shrinkage Factors of Soils by Wax Method	Price Hayes	View

Rock					
Supporting Documents/Calibration Records	AASHTO or Other	ASTM	Test Name	Name of Technician Demonstrating Test Method	Evaluations and Training
		D4644 ✓	Slake Durability of Shales and Weak Rocks	Price Hayes	View
		D5731 ✓	Point Load Strength Index of Rock	Price Hayes	View
Aggregate					
Supporting Documents/Calibration Records	AASHTO or Other	ASTM	Test Name	Name of Technician Demonstrating Test Method	Evaluations and Training
	R76 ✓	C702	Reducing Samples of Aggregate to Test Size	Katelyn Ucero	View
	R90 ✓	D75 ✓	Sampling Aggregate	Katelyn Ucero	View
	T11 ✓	C117	Material Finer Than 75-µm (No. 200) Sieve	John Moore	View
View	T19 ✓	C29	Bulk Density and Voids in Aggregate	Shawn Alvillar	View
	T21 ✓	C40	Organic Impurities in Sands	Shawn Alvillar	View
View	T27 ✓	C136	Sieve Analysis of Aggregates	John Moore	View

	T84 ✓	C128	Fine Aggregate Specific Gravity and Absorption	Katelyn Ucero	View
	T85 ✓	C127	Coarse Aggregate Specific Gravity and Absorption	John Moore	View
	T96 ✓	C131	Abrasion of Coarse Aggregate	John Moore	View
	T112 ✓	C142	Clay Lumps and Friable Particle Percentage	Daniel Gittings	View
	T176 ✓	D2419 ✓	Sand Equivalent Test	Kenny Herbert	View
	T210 ✓	D3744	Aggregate Durability Index	Claudius Oladele	View
	T255 ✓	C566	Moisture Content of Aggregate by Oven Drying	Kately Ucero	View
	T304 ✓	C1252	Uncompacted Void Content of Fine Aggregate	Kyle Massey	View
View	T327 ✓	D6928	Resistance to Abrasion by Micro-Deval (Coarse Agg)	John Moore	View
	T335	D5821 ✓	Fractured Particles in Coarse Aggregate	Daniel Gittings	View
		D4791 ✓	Flat, Elongated, or Flat and Elongated Particles	Daniel Gittings	View

Iron and Steel					
Supporting Documents/Calibration Records	AASHTO or Other	ASTM	Test Name	Name of Technician Demonstrating Test Method	Evaluations and Training
	M111-T65 ✓	A123-A90	Zinc Coatings on Iron and Steel: Thickness of Zinc (Stripping)	Christopher Long	View
View	M111 ✓	A123-E376	Zinc Coatings on Iron and Steel: Thickness of Zinc (Magnetic)	Christopher Long	View
	M336 ✓	A1064	Welded Plain Steel Wire: Weld Shear	Daniel Gittings	View
	M336-T244 ✓	A1064-A370	Welded Plain Steel Wire: Tension (Ultimate Tensile Strength)	Daniel Gittings	View
	M336 ✓	A1064	Welded Deformed Steel Wire: Weld Shear	Daniel Gittings	View
	M336-T244 ✓	A1064-A370	Welded Deformed Steel Wire: Tension (Ultimate Tensile Strength)	Daniel Gittings	View
	M336-T244 ✓	A1064-A370	Deformed Steel Wire: Tension (Ultimate Tensile Strength)	Daniel Gittings	View
	M336-T244 ✓	A1064-A370	Plain Steel Wire: Tension (Ultimate Tensile Strength)	Daniel Gittings	View
	M31-T244 ✓	A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	Daniel Salgado	View

	M31-T244 ✓	A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile)	Daniel Salgado	View
	M31-T244 ✓	A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	Daniel Salgado	View