Madoot	MoDOT Technician Certification Program Certification Courses Rev:07/16/2024 Figure 2	Go to Application (Figure 2)		
Aggregate Technician	Part 1 & Part 2 (AT)	PDH hours 9		
No Prerequisite Locatio	on: State Tech. College, Linn MO 3 Days - First Time, ½ Day – Renewal			
PART ONE				
AASHTO R90	Sampling of Aggregates			
AASHTO R76/ASTM C 702	Reducing Samples of Aggregate to Testing Size			
AASHTO T 255/ASTM C 566	Total Moisture Content of Aggregates by Drying.			
AASHTO T 11/ASTM C 117	Materials Finer than No. 200 by Washing			
AASHTO T 27/ASTM C 136 <b>PART TWO</b>	Sieve Analysis of Fine and Coarse Aggregates			
MoDOT TM 71	Deleterious Content of Aggregate			
ASTM D 4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregates			
AASHTO T 84/ASTM C 128	Specific Gravity and Absorption of Fine Aggregate			
AASHTO T 85/ASTM C 127	Specific Gravity and Absorption of Coarse Aggregate			
MoDOT TM 81	Specific Gravity and Absorption of Aggregate Using Automatic Vacuum Sealing Method (Informat	ional Only)		
<b>Bituminous Technician</b>	. (ВТ)	PDH hours 9		
No Prerequisite Locatio	n: State Tech. College, Linn MO 2 Days - First Time, ½ Day – Renewal			
AASHTO R66	Sampling Asphaltic Materials			
AASHTO R97	Sampling Asphaltic Paving Mixtures			
AASHTO R 47	Reducing Samples of Asphalt Mixtures to Testing Size			
AASHTO T 329 MoDOT TM 54	Moisture Content of Asphalt Mixtures by Oven Method Determining Asphalt Content of a Bituminous Mixture by Nuclear Method			
AASHTO T 166 & T 331	Bulk Specific Gravity of Compacted Bituminous Material			
AASHTO T 269/ASTM D 3203	3 Percent Air voids in Compacted Dense and Open Bituminous Paving Mixtures			
MoDOT TM 20	Measurement of Air, Surface, or Bituminous Mixture Temperature			
<u>Soil Density</u> (SD)		PDH hours 9		
No Prerequisite Location	n: State Tech. College, Linn MO 2 Days - First Time, ½ Day – Renewal			
AASHTO T 265	Laboratory Determination of Moisture Content of Soils			
AASHTO T 99	Moisture-Density Relations of Soils			
MoDOT TM 40	A One-Point Moisture-Density Relations Test for Soils			
AASHTO T 310 MoDOT TM 35	Density and Moisture Content of Soil and Soil Aggregate by Nuclear Methods (Shallow Depth) Moisture Offset Factor for a Nuclear Gauge			
<u>Concrete Field</u> (CF)	n State Tech College Linn MO Dev 1 of 2 First Time 1/ Dev. Deneved	PDH hours 9		
	n: State Tech. College, Linn MO Day 1 of 2 - First Time, ½ Day – Renewal			
MoDOT TM20	Measurement of Air, Surface or Bituminous Mixture Temperature Sampling of Freshly-Mixed Concrete			
AASHTO R60/ASTM C 172 ASTM C 1064	Temperature of Freshly-Mixed Portland Cement Concrete			
AASHTO T 119/ASTM C 143	Slump of Hydraulic Cement Concrete			
AASHTO T 152/ASTM C 231	Air Content of Freshly-Mixed Concrete by the Pressure Method			
AASHTO T 23/ASTM C 31	Making and Curing of Concrete Cylinder Specimens in the Field			
	B Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete B Test for Air Content of Freshly Mixed Concrete by the Volumetric Method			
AASHTO T 23/ASTM C 31	Making and Curing of Concrete Beam Specimens in the Field			
Concrete Strength (CS)		PDH hours 4		
No Prerequisite Location: State Tech. College, Linn MO 2 Day - First Time, ½ Day – Renewal				
	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete			
	Measuring Length of Drilled Concrete Cores Capping Cylindrical Concrete Specimens			
	Use of Unbounded Caps in Determination of Compressive Strength of Hardened Cylindrical Concret	e Specimens		
	Compressive Strength of Cylindrical Concrete Test Specimens			
AASHTO T97/C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)			

Madot	MoDOT Tech	nnician Certificatio Certification ( <sub>Figure 2</sub>	Courses Rev:074/16/2024	Go to Application (Figure 2)		
Plasticity Index (	PI) See	Current Calendar fo	r pricing	PDH hours 4		
No Prerequisite	ocation: State Tech. College, Linn MO	1 Day - First Time	, ½ Day – Renewal			
MoDOT TM 79 AASHTO T 89 AASHTO T90	Dry Preparation of Disturbed Soil a Determining the Liquid Limit of So Determining the Plastic Limit and	ils (Aggregate Specific)		lysis of Soils (Aggregate Specific)		
International R	oughness Index (IRI) Profile			PDH hours 4		
No Prerequisite	Location: State Tech. College,	Linn MO 1 Day		PDH Hours 4		
MoDOT TM 59	Determination of the Surface Pro	-	al Roughness Index			
Superpave QC/	QA (SP) STC			PDH hours 36		
	ements: Aggregate Technician & Bituminou	s Technician	3 Days - First Time, 1 Day	– Renewal		
Location: TBA						
AASHTO T 209 AASHTO T 312 AASHTO T 308 AASHTO R 30 AASHTO R97, and R	Theoretical Maximum Specific Gr Preparing and Determining the D Determining the Asphalt Binder O Standard Practice for Mixture Co Sampling Asphalt Mixtures and A Practice for Superpave Volumetri Standard Specification for Superp Plant Operation, Intro to Superpa Temperature-Viscosity Relations, Job Mix Formula (JMF) Interpreta Pay Factor Theory, QC/QA, Recor	ensity of HMA Specimen Content of HMA by the Ig nditioning of HMA sphalt Cores ic Design for HMA bave Volumetric Mix Desi ave, Field Verification, Vo Random Sampling, Cont ition	s by Means of the Superpav nition Method gn lumetrics, HMA QC Plan,	e Gyratory Compactor		
HMA Aggregate	<u>(Consensus Tests)</u> (HMA)			PDH hours 4		
Prerequisite require	ments: Aggregate Technician	ation: TBA	1 Day			
AASHTO T 176 AASHTO T 304 ASTM D 5821	Plastic Fines in Graded Aggregates Un-compacted Void Content of Fin Standard Test Method for Determ	ne Aggregate		Aggregates		
<u>TSR</u>				PDH hours 4		
Prerequisite require	ments: Superpave QC/QA Location: 1	ВА	1 Day			
AASHTO T 283	Resistance of Compacted Asphalti	c Mixtures to Moisture I				
Binder Ignition (	•			PDH hours 4		
Prerequisite requirements: Aggregate Technician & Bituminous Technician Location: TBA 1 Day						
AASHTO T 308	Determining the Asphalt Binder Co	ontent of Asphalt Mixture	es by the Ignition Method			