

CERTIFIED ASPHALT TECHNICIAN TRAINING COURSE AGENDA

<u>Title – Time</u>	<u>Subjects</u>	<u>Instructor</u>	<u>Reference</u>
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Monday Morning from 10:00 to 12:30

Moderator: Jim McKinney

Registration

8:00 to 9:00	Olin Hall Rm. O-229	Jim McKinney	
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Introduction

9:00 to 9:15	Opening Comments	Jim McKinney Ron Walker	
	Agenda/Manual Update		

Math for HMA

9:15 to 9:45	Round-Off Rules	Ron Walker	Chp 1
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9:45 to 10:00	** BREAK **		
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Aggregates

10:00 to 12:00	Introduction Specifications	Bob Rees Eric Woodings	Chp 2
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Aggregates (continued)

12:00 to 12:30	Sampling Testing	Dave Hamilton	Chp 2
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12:30 to 1:30	Lunch -- Hulman Memorial Union (HMU) - Performing Arts Room		
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Monday Afternoon from 1:30 to 6:00

Moderator: Jim McKinney

Laboratory Tests -- A Section

1:30 to 3:30	HMA Lab (O-111 & O-113) HMA Plate Sampling Video HMA Coring Video Gyratory Compaction Demo Dynamic Angle Validator III Video Lab Equipment Calibration	Kurt Sommer Richard Masters Kasey McDonald Harley Phillips	Cartia Martin Kim Stout Steve Stout
3:30 - 3:45	** BREAK **		
3:45 to 5:30	Aggregate Lab (O-110) Splitting Decant Gradation Specific Gravity Flat & Elongated Particles Coarse Aggregate Angularity Fine Aggregate Angularity	Dave Hamilton Don Lecklitner Lee Randell Bart Williamson Bob Rees Wayne Tharp Brad Williamson Eric Woodings	

Laboratory Tests -- B Section

1:30 to 3:30	Aggregate Lab (O-110) Splitting Decant Gradation Specific Gravity Flat & Elongated Particles Coarse Aggregate Angularity Fine Aggregate Angularity	Dave Hamilton Don Lecklitner Lee Randell Bart Williamson Bob Rees Wayne Tharp Brad Williamson Eric Woodings	
3:30 - 3:45	** BREAK **		
3:45 to 5:30	HMA Lab (O-111 & O-113) HMA Plate Sampling Video HMA Coring Video Gyratory Compaction Demo Dynamic Angle Validator III Video Lab Equipment Calibration	Kurt Sommer Richard Masters Kasey McDonald Harley Phillips	Cartia Martin Kim Stout Steve Stout
5:30 to 6:00	Daily Recap (O-229) Sand Equivalency	Jim McKinney Keith Royer	
6:00	Dinner - HMU - Main Dining Hall		

Review Session at Hotel (Optional)

7:30	Dave Hamilton
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Tuesday from 9:00 to 5:30

Moderator: Jim McKinney

Math Homework Review

9:00 to 9:10	Answers & Discussion	Mike Prather	Handout
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Asphalt

9:10 to 10:00	Introduction Manufacture Testing Grading PG Binder Specs	Tony Kriech (Jim McKinney)	Chp 2
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10:00 to 10:15 ** BREAK **

Mix Design

10:15 to 12:30	Introduction Air Voids, VMA, & VFA Plant Considerations Superpave	Gerry Huber (Dudley Bonte)	Chp 4
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12:30 to 1:30 Lunch - HMU - Performing Arts Room

Laboratory Tests -- A Section

1:30 to 5:00	Specific Gravity Lab (O-110) Demonstrations Bulk Specific Gravity Maximum Specific Gravity CoreLok Coredry	Mike Prather Wayne Tharp Steve Stout
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Laboratory Tests -- B Section

1:30 to 5:00	HMA Lab (O-111) Gyratory Compaction Binder Testing Apparatus Demo HMA Sample Reduction Extraction Demo Ignition Oven Demo	Dave Hamilton Kasey McDonald Harley Phillips Lee Randell	Cartia Martin Kurt Sommer Kim Stout Steve Stout
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5:00 to 5:30	Daily Recap (O-229) Superpave Center	Jim McKinney Mike Prather
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6:00 Dinner - HMU - Main Dining Hall

Review Session at Hotel (Optional)

7:30	Dave Hamilton
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Wednesday from 9:00 to 5:30

Moderator: Jim McKinney

Mix Design Homework Review

9:00 to 9:15	Answers & Discussion	Mike Prather	Handout
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HMA Plants

9:15 to 10:30	Introduction Plant Types Calibration Operations Sampling QC Troubleshooting	Dave Hamilton Lee Randell Kurt Sommer	Chp 3
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10:30 to 10:45 ** BREAK **

HMA Plants (continued)

10:45 to 12:30		Dave Hamilton Lee Randell Kurt Sommer	Chp 3
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12:30 to 1:30 Lunch - HMU - Performing Arts Room

Laboratory Tests -- A Section

1:30 to 5:00	HMA Lab (O-111) Gyratory Compaction Binder Testing Apparatus Demo HMA Sample Reduction Extraction Demo Ignition Oven Demo	Dave Hamilton Kasey McDonald Harley Phillips Lee Randell	Cartia Martin Kurt Sommer Kim Stout Steve Stout
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Laboratory Tests -- B Section

1:30 to 5:00	Specific Gravity Lab (O-110) Demonstrations Bulk Specific Gravity Maximum Specific Gravity CoreLok	Mike Prather Wayne Tharp Steve Stout	
5:00 to 5:30	Daily Recap	Jim McKinney	

5:30 Banquet - HMU - Performing Arts Room

Review Session at Hotel (Optional)

7:00	Dave Hamilton		
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Thursday from 9:00 to 5:00

Moderator: Jim McKinney

HMA Plant Homework Review

9:00 to 9:15	Answers & Discussion	Mike Prather	Handout
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Quality Assurance Specifications

9:15 to 10:30	Introduction Specification Requirements Pay Factors	Mike Prather Ron Walker	Chp 5
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10:30 to 10:45 ** BREAK **

Quality Assurance Specifications (continued)

10:45 to 12:30		Mike Prather Ron Walker	Chp 5
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12:30 to 1:30 Lunch - HMU - Performing Arts Room

Certified HMA Producer Program & PWL Specifications

1:30 to 3:00	General Requirements Good Practices	Ron Walker	Chp 6
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Quality Control Troubleshooting

3:00 to 4:00		Dudley Bonte Brad Cruea	Chp 4
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5:00 Dinner - HMU - Main Dining Room

Review Session at Hotel (Optional)

7:00	Dave Hamilton		
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Friday Morning from 8:00 to Noon

Moderator: Jim McKinney

Course Test

8:00
to
12:00

Written Exam

Jim McKinney