

## Final Agenda

Warm Mix Asphalt Technical Working Group  
(WMA TWG)



Dates: December 15 – 16, 2009

Meeting Location: [Hilton Seattle Airport & Conference Center](#),  
17620 International Blvd., Seattle Washington, 98188 (206) 244-4800

### Tuesday – December 15, 2009

07:50 – 08:00 Welcome, Introductions, and Affirmation of WMA TWG Charter

08:00 – 09:30 New Technology Briefs (25 minutes each and Q&A)  
Thiopave WMA (Richard May, Shell Sulphur Solutions)  
Hyperpave (Tony Sherren, Iterchimica North America)  
Cecabase RT (Eric Jorda, Arkema Inc.)

09:30 – 10:00 Update: Task Force 08-01 “Ageing/Conditioning Criteria for Mechanical Testing  
of WMA Technologies” (Gerald Reinke, MTE Services, Inc.)

10:00 – 10:30 Break

10:30 – 11:00 Update: Task Force 08-02 “National Approval/Certification Program for WMA  
Technologies” and Discussion (Tom Baker, Washington State DOT)

11:00 – 11:30 Update: Task Force 09-01 “State Agency WMA Specifications and Project  
Synthesis” (Jack Cowsert, North Carolina DOT)

11:30 – 12:00 Update: WMA Air Quality, Emissions, Health, and Safety  
(Gary Fore, National Asphalt Pavement Association)

12:00 – 13:00 Lunch (on your own)

13:00 – 14:00 Update: NCAT test track and NCAT/FHWA co-operative agreement projects  
(Andrea Kvasnak, National Center for Asphalt Technology)

14:00 – 14:30 Warm Mix Asphalt in the Commonwealth of Virginia  
(Stacey Diefenderfer, Virginia DOT)

14:30 – 15:00 Warm Mix Asphalt in Washington State (Tom Baker, Washington DOT)

15:00 – 15:30 Break

## **Tuesday – December 15, 2009**

15:30 – 16:00 WMA in Thin Lift, Rubber Modified, and SMA Applications  
(Thomas Bennert, Rutgers University)

16:00 – 16:30 Evaluation of the WMA Foaming Technique with 15% RAP  
(Elie Hajj, University of Nevada, Reno)

16:30 – 17:00 Update: NCHRP 09-43 “Mix Design Practices for Warm Mix Asphalt”  
(Ray Bonaquist, Advanced Asphalt Technologies)

17:00 – 17:15 Update: NCHRP 09-47A “Properties and Performance of WMA Technologies”  
(Andrea Kvasnak, National Center for Asphalt Technology)

17:15 – 17:30 Update: NCHRP 09-49 “Performance of WMA Technologies: Stage I--Moisture Susceptibility”  
(Matthew Corrigan, FHWA Office of Pavement Technology)

Adjourn until tomorrow

## **Wednesday – December 16, 2009**

08:00 – 08:30 Evaluation of Workability/Compactability of Warm Mix Asphalt  
(Thomas Bennert, Rutgers University)

08:30 – 09:00 Quantifying effects of Warm Mix Additives on Lubricity of Asphalt Binders  
(Hussain Bahia, University of Wisconsin-Madison)

09:00 – 9:20 Long Term Outside Ageing of WMA Samples (Gerald Reinke, MTE Services)

09:20 – 10:00 Directed Discussion: What are the Current Top 10 WMA Issues? and Generate WMA Research Needs Statements

10:00 – 10:30 Break

10:30 – 11:50 Directed Discussion: What are the Current Top 10 WMA Issues? and Generate WMA Research Needs Statements

11:50 – 12:00 Other Business

Schedule Next Meeting Dates (bring your calendars) & Action Item Summary

12:00 Closure

Adjourn Enjoy the RAP Expert Task Group this afternoon and tomorrow