



Hot Mix News

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NO. 0705

PARTNERS IN QUALITY MEETINGS

Our Partners in Quality meetings are informal partnering sessions designed to bring both representatives from TxDOT and the hot mix industry together to openly discuss hot mix asphalt (HMA) topics that will ensure continued quality HMA in each district. All TxAPA members are encouraged to attend.

San Angelo Partners in Quality, July 13, 2007 will meet at the Radisson Hotel located at 9800 Westover Hills Blvd., from 11:30 AM to approximately 2:30 PM.

Beaumont Partners in Quality August 28, 2007 will meet at the MCM Elegante Hotel located at 2355 IH-10, from 11:30 AM to approximately 2:30 PM.

Houston Partners in Quality, August 29, 2007 will meet at the Houstonian Golf Club located at 12610 Houstonian Drive, Richmond, from 11:30 AM to approximately 2:30 PM.

2007 ANNUAL MEETING , GALVESTON TEXAS SEPT. 18 – 22, 2007

Our 2007 Annual Meeting will be here before you know it! We are working on an extended technical program as well as many networking and fun activities for all attendees. You may now utilize the online registration from our web page for the Moody Gardens Hotel, contact them directly at (409) 741-8484 or use their toll free reservation line at 888-388-8484. Please make sure to let them know you will be attending the Texas Asphalt Meeting so that you are given our special rate of \$138.00 per night and state rates are available for all TxDOT personnel. These rates are available for a one king or two queen room with a pyramid or island view so in order to get your choice please make your reservation soon. Meeting registration packets will be sent out to all members in the coming weeks so please check with Kari Stafford at the association with any questions.

HMA TECHNOLOGY UPDATE SEMINARS

TxAPA will be conducting several more HMA Technology Update Seminars during June. Typical attendees for these seminars are pavement and design engineers. The following seminars will be available to anyone interested in attending. Lunch is always provided and there is no cost for attendance. PDH's are available upon request. For registration, agendas or further information please contact the TxAPA staff.

June 12, 2007 we will be conducting the Pavement Technology Update Seminar in Brownwood at the TxDOT Brownwood Training Facility located at 2495 U.S. Highway 183 from 8:00 AM – 5:00 PM.

June 14, 2007 we will be conducting the San Angelo Pavement Technology Update Seminar at the San Angelo TxDOT Training facility located at 4502 Knickerbocker Road from 8:00 AM – 5:00 PM.

For registration information please contact Kari Stafford at the Association office.

HOT MIX CENTER NEWS

There have been a lot of questions recently concerning the Level 1A-E Exempt program. In order to qualify for the Level 1A-E you must have maintained your Level 1A certification for 9 consecutive years without a time lapse and have successfully completed your proficiency samples each year. We are not automatically moving qualified candidates to the Level 1A-E, you must call when it is time for you to recertify, we verify that all the conditions have been met and then move you into the Level 1A-E database. We are only moving candidates to the exempt database when their current certification is about to expire.

The Hot Mix Asphalt Center has also added two more soils classes. We are now offering SB 103, Material Analyst Specialist and SB 202, Compressive Strength Specialist.

There is no prerequisite for the SB 103. This is a one day course and mainly covers Tex-128-E "Determining Soil P_h ", Tex-129-E "Measuring the Resistivity of Soils", Tex-145-E "Determining Sulfate Content in Soils, Colorimeter Method" and Tex-146-E "Conductivity Test for Detection of Sulfates in Soil".

The SB 202 is a full week course and a candidate must be SB 201 certified before being eligible to take this course. This course covers Tex-117-E "Triaxial Compression for Disturbed Soils and Base Materials", Tex-120-E "Soil Cement Testing" and Tex-121-E "Soil-Lime Testing".

For more information on our courses, contact Karen Pagitt, (512) 312-2099 or visit our website at "txhotmix.org"

ENVIRONMENTAL BULLETIN

TxAPA Environmental Chairman, Kirk Morris in conjunction with Westward Environmental, Inc. would like to alert all members of this effective date for the TCEQ Stack Testing Standard Permit change. Two of the most critical items in this change are:

1. Meeting the 0.01 requirement
2. The elimination of wet scrubbers

We would like you to submit your comments to TxAPA on this new standard so that we may prepare information to take to TCEQ to discuss this change. Please send your comments via email at kstafford@txhotmix.org or fax to us at 512-312-5043. Your participation is greatly appreciated.

NEW HMP STACK TESTING REQUIREMENTS

As of July 10, 2007, all drum dryer filter systems on all hot mix asphalt plants authorized under the TCEQ Standard Permit shall meet **at least** a front half outlet grain loading of 0.01 grains per dry standard cubic feet (gr/dscf) and a combined (front half and back half) total outlet grain loading of 0.04 gr/dscf.

According to (2) (C) of the Stand Permit, existing facilities must conduct sampling no later than September 8, 2007 to demonstrate compliance with this new standard.

The new standard of 0.01 gr/dscf for front half outlet grain loading is a more stringent requirement than the existing standard of 0.02 gr/dscf. The combined (front half and back half) total outlet grain loading of 0.04 gr/dscf will not change.

Under the TCEQ Standard Permit for hot mix asphalt plants, permittee's are required to submit stack sampling to satisfy the permit requirements. Stack testing is to be completed in accordance 40 CFR Part 60 Subparts, A and I, or a DILOT (Data In Lieu Of Testing) must be submitted, within 60 days of achieving the maximum allowable production rate or no later than 180 days from initial startup of the plant.

Also, hot mix asphalt plants under new air construction permits will have to meet the new requirements. Furthermore, permit amendments for existing plants will trigger a BACT review requiring compliance with the new standard.

PROPOSED SPECIAL PROVISION FOR FRACTIONATED RAP (DRAFT 4-18-07)

RAP- is salvaged, milled, pulverized, broken, or crushed asphalt pavement. Crush or break RAP so that 100% of the particles pass the 2-in. sieve.

Unless otherwise shown on the plans, RAP from either Contractor- or Department-owned sources, including RAP generated during the project and HMA plant waste, is permitted in the maximum percentages shown in Table 1 for unfractionated RAP and Table 2 for fractionated RAP. Fractionated RAP is defined as having 2 or more RAP stockpiles whereas the RAP is divided into coarse and fine fractions. The coarse RAP stockpile will be sized such that 95% or more of the RAP is retained on the 3/8 inch sieve unless otherwise approved. The fine RAP stockpile will be sized such that 95% or more of the RAP passes the 3/8 inch sieve unless otherwise approved. The Engineer may allow the Contractor to use an alternate to the 3/8 inch sieve to fractionate the RAP. Department-owned RAP, if allowed for use, will be available at the location shown on the plans. When RAP is used, determine asphalt content and uncoated aggregate gradation for mixture design purposes. Perform other tests on RAP when shown on the plans.

In reference to Table 1 and Table 2, areas listed as “surface” are defined as areas where the HMA will be the final lift or riding surface of the pavement structure. Likewise, “non-surface” areas are defined as areas where the HMA will be an intermediate or base layer in the pavement structure.

Do not use RAP contaminated with dirt or other objectionable materials. Do not use the RAP if the decantation value exceeds 5% and the plasticity index is greater than 8. Test the stockpiled RAP for decantation in accordance with the laboratory method given in Tex-406-A, Part I. Determine the plasticity index using Tex-106-E if the decantation value exceeds 5%. The decantation and plasticity index requirements do not apply to RAP samples with asphalt removed by extraction.

Do not intermingle Contractor-owned RAP stockpiles with Department-owned RAP stockpiles. Remove unused Contractor-owned RAP material from the project site upon completion of the project. Return unused Department-owned RAP to the designated stockpile location.

Table 1. Maximum Allowable Percentage of Unfractionated RAP

| Specification Item | Mixture Location | |
|--------------------|------------------|-------------|
| | Surface | Non-Surface |
| 340 | 10 | 20 |
| 341 | 10 | 20 |
| 342 | 0 | N/A |
| 344 | 10 | 20 |
| 346 | 10 | 20 |

Table 2. Maximum Allowable Percentage of Fractionated RAP

| Specification Item | Mixture Location | |
|--------------------|------------------|-------------|
| | Surface | Non-Surface |
| 340 | 25 | 35 |
| 341 | 25 | 35 |
| 342 | 10 | N/A |
| 344 | 25 | 35 |
| 346 | 25 | 35 |

TxAPA CALENDAR OF EVENTS

MAY

| | | | |
|---------|--------|---------------------------|--------|
| 7 | 3:00 | FINANCE COMMITTEE | BUDA |
| 7 | 4:00 | BOARD OF DIRECTORS | BUDA |
| 7 – 11 | 8 – 5 | LEVEL 1 A RECERT. CLASS | BUDA |
| 8 – 9 | 1:00 | TxDOT LETTING | AUSTIN |
| 9 | 1:30 | TEST PROCEDURE MTG. | BUDA |
| 14 – 18 | 8 – 5 | LEVEL 2 TRAINING | BUDA |
| 17 | 11 – 3 | PARIS PARTNERS IN QUALITY | PARIS |

JUNE

| | | | |
|---------|--------|---------------------------|------------|
| 4 – 6 | 8 – 5 | TRAINING LEVEL 1 A | BUDA |
| 6 | 3:00 | FINANCE COMMITTEE | BUDA |
| 6 | 4:00 | BOARD OF DIRECTORS | BUDA |
| 7 – 8 | 1:00 | TxDOT LETTING | AUSTIN |
| 11 – 15 | 8 – 5 | LEVEL 1 A RECERTIFICATION | BUDA |
| 12 | 8 – 5 | BROWNWOOD HMA SEMINAR | BROWNWOOD |
| 14 | 8 – 5 | SAN ANGELO HMA SEMINAR | SAN ANGELO |
| 19 – 20 | 8 – 5 | LEVEL 1 B CLASS | BUDA |
| 21 – 22 | 2 DAYS | COMMITTEE WORKSHOPS | KERRVILLE |
| 25 – 27 | 8 – 5 | SB 101 CLASS | BUDA |
| 28 | 8 -5 | SB102 CLASS | BUDA |
| 29 | 8 – 5 | SB 103 CLASS | BUDA |

MAY 2007 HIGHWAY LETTING - SCHEDULED PROJECTS

| # | COUNTY | HWY | DESCRIPTION | TONNAGE |
|----|--------------|---------|--|---------|
| 1 | ARCHER | US 277 | UPGRADE TO 4-LANE DIVIDED | 69,490 |
| 2 | ANGELINA | FM 1270 | BRIDGE RAIL UPGRADE | 328 |
| 3 | BASTROP | SH 71 | PLANING,SEAL COAT,HOT-MIX ASPHALT | 2,506 |
| 4 | BASTROP | SH 95 | MILL, SEAL AND OVERLAY | 38,989 |
| 5 | BEXAR | IH 35 | RECONFIGURE NORTHBOUND RAMPS | 5,011 |
| 6 | BEXAR | IH 10 | REPLACE NARROW BRIDGE & APPROACHES | 2,661 |
| 7 | BLANCO | US 281 | ADD TWO WAY LEFT TURN LANE | 2,422 |
| 8 | BEXAR | MR 0681 | GRADING, BASE, SURFACING | 1,255 |
| 9 | CAMP | LP 0179 | 2" OVERLAY, CONC. PAV. REPAIR | 8,368 |
| 10 | COLLIN | US 75 | CONSTRUCT WB BRIDGE | 875 |
| 11 | COLLIN | US 289 | INSTALL SIGNAL & RIGHT/LEFT TURN LANES | 4,329 |
| 12 | COMAL | BS 46-C | REPLACE NARROW BRIDGE & APPROCHES | 280 |
| 13 | COMAL | FM 311 | REPLACE NARROW BRIDGE & APPROACHES | 304 |
| 14 | DALLAS | IH 30 | FULL DEPTH REPAIR | 749 |
| 15 | GUADALUPE | FM 775 | REHAB AND WIDEN EXISTING ROADWAY | 1,079 |
| 16 | HARRIS | IH 45 | GR, STRS, BASE AND CONC PAVEMENT | 7,372 |
| 17 | HARRIS | CS | WIDEN TO 4 LN & CONST TRUCK QUEUING | 389 |
| 18 | HAYS | RM 150 | MILL, OV, & FULL DEPTH REPAIR | 7,994 |
| 19 | HAYS | RM 1826 | ACP OVERLAY | 1,368 |
| 20 | HILDAGO | FM 1015 | GRAD, BASE & SURF | 16,411 |
| 21 | JEFFERSON | US 69 | INSTALL. AND EXPAND EXIST. TURNAROUND | 1,778 |
| 22 | JEFFERSON | SH 82 | OVERLAY EXISTING ROADWAY | 8,931 |
| 23 | JIM WELLS | US 281 | ASPHALT CONCRETE SURFACE REHAB | 7,292 |
| 24 | MADISON | IH 45 | MILL & INLAY | 6,690 |
| 25 | NACOGDOCHES | SH 7 | BRG REPLCMNT, REHAB & WIDEN | 15,503 |
| 26 | NUECES | SH 44 | SURF, OVERLAY | 22,351 |
| 27 | PANOLA | US 79 | ADD TURNAROUNDS & AUXILLIARY LANES | 1,698 |
| 28 | POTTER | IH 40 | OVERLAY | 38,171 |
| 29 | RAINS | FM 514 | BASE RESTORATION | 8 |
| 30 | RED RIVER | FM 44 | WIDENING OF A NON-FREEWAY FACILITY | 1,482 |
| 31 | ROCKWALL | FM 35 | REPLACE BRIDGES AND APPROACHES | 3,459 |
| 32 | SWISHER | SH 086 | ROAD REHAB | 2,086 |
| 33 | TARRANT | VA | FY 2006 ADA COMPLIANCE | 225 |
| 34 | TAYLOR | CR | REPLACE BRIDGE & APPROACHES | 91 |
| 35 | THROCKMORTON | US 183 | ADD PAVED SHOULDERS, WIDEN STRUCTURES | 60,580 |
| 36 | TRAVIS | LP 1 | CONSTRUCT SAMPLE NOISE BARRIER | 138 |
| 37 | WEBB | VA | CONSTRUCT. OF A BORDER CROSS. FACILITY | 16,626 |
| 38 | WHARTON | FM 1301 | WIDEN ROADWAY AND ADD TURN LANES | 3,832 |
| 39 | WILSON | FM 541 | REPLACE NARROW BRIDGE & APPROACHES | 352 |
| | | | | |
| | | | TOTAL | 363,473 |