

METROPOLITAN GOVERNMENT PAVEMENT ENGINEERS COUNCIL
Meeting Minutes from Thursday, January 25, 2007

Agenda

Dave Potter called the meeting to order at 1:30 p.m. The meeting was held at the RTD office located at 1560 Broadway, Suite 700, Denver, Colorado. Those in attendance were Jack Vaughn (RTD), Pat Hartshorn (Lafarge), Todd Genovese (Lafarge), Tom Clayton (CAPA), Robert Lester (Kiewit Western), Jeff Kay (RTD), Jeff Cluphf (RTD), Chris Hinton (RTD), Tony Forrastan (RTD), Stan Szabelak (RTD), Bob Locander (CDOT), Svetlana Grechka (RTD), Carl Armijo (Town of Castle Rock), Richard Hess (Concrete Stabilization Technologies), Jamie Johnson (RMCC), Dave Potter (City & County of Denver), Joe Kerrigan (Tensor), Julie Christensen (Tensor), Isan Fan (RTD), Vern Tabert (Arapahoe County), and Frank Marbury (City of Littleton).

Next Meeting

The next meeting will be held at 1:30 p.m. on Thursday, February 22, 2007 at the Town of Parker Maintenance Facility, 9200 Motsenbocker Road, Parker, Colorado. Ron Martinez will confirm and provide directions.

Meeting Minutes

Carl Armijo made a motion to approve the November 16, 2006 meeting minutes as submitted. Tom Clayton seconded the motion and the minutes were approved.

Treasurer's Report

Vern Tabert presented the Treasurer's Report. The current checking account balance is \$6717.90 with \$3141.50 in CD's for a total of \$9859.40. 2007 Membership Renewal invoices have been mailed out. Membership dues for entities with populations under 25,000 are \$50, entities with populations over 25,000 are \$200 and associate memberships (consultants and industry) are \$50. (The minutes reflect a correction of population numbers reported at the meeting.)

Asphalt Thickness Design Equations Issue

There have been no changes since the last meeting on the status of the software update. The goal is to have the revised equation written into a revised Pavement Design Standards that would be ready for presentation at the 2007 Annual Meeting in April. The software update will follow. Stan Szabelak asked if MGPEC was looking at utilizing other geotech firms. Dave Potter explained that at this time we are only modifying the current asphalt equation and software to correct aberrations and have not incurred any additional expense from CTL. When the 2002 AASHTO design method is approved and implemented (possibly late 2007), we will need to look into redoing the pavement design software which will likely involve issuing a Request for Proposal and selection of a firm for that effort.

Smoothness Task Force

The scope of this task force is to make the CDOT specifications work for local agencies and measuring this on collectors and arterials in 2007 and 2008 so that agencies can get a feel for the specification. A draft of the task force recommendations is anticipated for February 19, 2007. There will also be a round table discussion at the Asphalt Conference (Holiday Inn, DIA) on February 28 from 9:00-11:30 a.m. For more information, please contact Tom Clayton (CAPA) at tomclayton@co-asphalt.com or visit the website at <http://www.cm.caahs.colostate.edu/RMACES/RMACES.stm>. CAPA is planning on offering classes in late March or early April on Measurement of Asphalt Pavement Smoothness.

Subgrade Stabilization Task Force

Joe Kerrigan presented a discussion on the scope for this task force. The current MGPEC Item 5 specification deals with certain types of chemical stabilization addressing yielding subgrades due to plastic, high swell potential soils, primarily to provide a long term durable and acceptable platform for paving. The proposal before the task force is to expand the scope to include mechanical and possibly other types of stabilization (particularly fixing isolated areas) for a stable paving platform where swelling soils are not an issue. The goal of the task force is to provide a draft recommendation by April or May. The next task force meeting will be held February 15th, 2007 in Superior. For more information concerning meeting time and address as well as task force information, please contact Joe Kerrigan at jkerrigan@tensarcorp.com.

Website

Work is in progress to determine who will create the MGPEC website. Tom Clayton said that there is a possibility that CDOT (and likely ACI/CRMCA and WAQTC) would allow access to their certified inspector lists within a secure website area. Keeping the information current would also be necessary.

Annual Meeting

The 2007 Annual Meeting is scheduled for Monday, April 2, 2007. Vern Tabert has scheduled the conference rooms at Centerpoint that have been used in the past.

The topics discussed for the meeting include: (*new topic)

- MGPEC Goals and Missions / 2006 Annual Meeting Survey results
- Concrete:
 - Roller compacted and whitetopping
 - *Use of recycled concrete as aggregate (Jamie Johnson)
- Asphalt:
 - *Tom Clayton (CAPA) agreed to contact potential speakers to address RAP (recycled asphalt pavements)
 - Asphalt smoothness and porous asphalt applications (Tom Clayton)

- Smoothness: *Present MGPEC Task Force recommendations (Either general session or breakouts)
- Inspection Criteria
- Traffic Control / Safety
- Pavement Management
- Asphalt and concrete pavement maintenance and rehabilitation
- Environmental issues (i.e. fugitive dust, magnesium chloride, etc.)
- *Erosion control (GESCC): permitting and Best Management Practices (Joe Kerrigan)
- Trenching and repair techniques
- Concrete sealing
- *Moisture Treated Soils: why/how/who and pitfalls (Tom Pieters, Dave Potter, Joe Kerrigan)

Lunch arrangements will be made by Pamela Weimer. Joe Kerrigan (Tensar) and Tom Clayton (CAPA) agreed to participate in lunch expenses.

Staged Asphalt Paving in New Subdivision Construction

Some MGPEC members had read CAPA's recent Technical Brief on Staged Construction and recommended to the Steering Committee some stronger emphasis on requiring the full section be placed prior to construction traffic occurring. The group discussed the problem from the developer's and owner's view that the top lift surface gets damaged by construction traffic. An alternative option presented by CAPA is building full section depth with lower lift mixes, but with a minimal cross slope (essentially flat) for the construction phase. Just prior to acceptance, use edge milling at the gutter area and add the final 1" to 1.5" top lift to establish a normal crown. This would maintain traffic loading capacity during construction when pavement may get most of traffic loading while allowing the top surface to be new and undamaged after construction, prior to homeowners moving in. This is a suggested topic of interest and discussion that should be considered for a future update to the specifications. CAPA and MGPEC will work together to refine or modify this proposed alternate option.

Open Discussion

- The advantages of porous asphalt in parking lot applications created a topic of interest and discussion.
- Participants stressed the need and appreciation for the trade groups in helping to train the current and future transportation industry work force.
- Tom Clayton discussed the need to promote advantages of using RAP in asphalt mixes, as many agencies do not allow or allow less than MGPEC 20% maximum. CDOT now has numerous controls on its use. Tom and interested members will be invited to MGPEC Specification Task Force to discuss further in a workgroup.

Adjournment

Dave Potter adjourned the meeting at 3:40 p.m.