



## Director's Message

In recent weeks I've been on the road making lunch & learn engineering presentations.

### Vanasse, Hagen, Bruslin, Inc.

Doug O'Neill and I presented before a group at VHB in their Worcester office. VHB is a large engineering firm which, among other things, does extensive pavement design work with municipalities and the private sector. Doug educated the group on ACI-330 parking lot design and how concrete parking lots can be cost effective and a great alternative for a private or municipality project. I spoke about concrete intersections and how concrete offers a real solution to problems we see with asphalt. Here's what we heard from the VHB staff about our session:

*"One of the best lunch & learn sessions we have had this year. Relevant, informative, and useful to our business."*

*"Why doesn't Mass use these technologies?"*

VHB staff are currently looking for applications where they can utilize the NRMCA's Design Assistance Program. Also John Bechard, VHB Managing Director, has reached out to several regional DPW and Highway Associations to get us on their list of presenters for future meetings.

### Graves Engineering, Inc.

Doug and I met with the owner Don Graves, Vice President Jeff Walsh and other members of their team. It was a very interactive 2 hours, where we covered many aspects of pavement design. The group had several good questions which created a very productive discussion. It was obvious, based on the discussion, that

*(Continued on page 2)*

## Upcoming Meetings

### Tech & Spec Committee Meeting

Wednesday December 9<sup>th</sup> at 1:00 PM

Ken's Steakhouse

95 Worcester Road (Rte. 9), Framingham, MA

### Regional Meetings

#### Southeast / Rhode Island

Tuesday, December 15<sup>th</sup> at 12:30pm

Trinity Bar & Restaurant

184 W. Main Street (RT.123), Norton, MA.

[Click here to register](#)

#### Western, MA Meeting

Wednesday December 16<sup>th</sup> at 4:30pm

Tony & Penny's Restaurant

18 Canterbury Street, Ludlow, MA.

[Click here to register](#)

#### Central / Northeast Meeting

Friday December 18<sup>th</sup> at 12:30

Ken's Steakhouse

95 Worcester Road (RT. 9), Framingham, MA

[Click here to register](#)

### Registration in advanced is requested.

The cost for these luncheons is \$25.

Please bring cash or a check.

### General Members Meeting

Wednesday, January 13<sup>th</sup>

Ken's Steakhouse

*(mark your calendar — more details soon)*



there had been several project specific application where concrete could have been a viable option if they had the proper information and resources. We offered our services and support in the future on any project they may have. The meeting was very positive and I think a strong start to a good relationship with this firm.

### Land Planning Inc.

I was informed that owner, Norman Hill, had designed a parking lot with pervious pavement, so I called him to discuss the project. After speaking with Norman I found out that he had designed the parking lot with porous asphalt. **I ask him why he didn't design with pervious concrete, his answer was that he had never heard of pervious concrete!** I made an appointment to meet with him. At the meeting we spoke about the qualities and characteristics of pervious concrete as well as conventional concrete. I informed him that the Design Assistance Program could offer alternate pavement materials options on a future project. We found out that this was the first project in which Norman used porous asphalt in the design. We provided information and other resources for him and his staff to utilize for future projects. The specific project we spoke about is currently under review be the town's consulting engineer. I contacted that firm and offered our services to help with a pervious concrete design.

All the information and resources we provided to these engineering firms were well received and appreciated. They were open to the presentations and discussions that followed. It was amazing how much inaccurate information and how many negative assumptions there were in regards to concrete pavement. In all instances, by the time we were finished, their opinion about the concept of concrete pavement had changed significantly.

If you know of engineering firms that would benefit from educational enlightenment, please let me know!

## MaCAPA Members Speak

Members recently were asked for their input on future activities of MaCAPA. Here's what you said (ranked in order of your preference):

### Social Events

1. Clambake – Concord Rod & Gun Club
2. Golf Tournament (central location for both states)
3. Pawtucket Red Sox Night – McCoy Stadium
4. Fishing Trip
5. Christmas Luncheon

### General Membership Meeting Topics

1. Promotional
2. Technical
3. NRMCA / ACPA Ed Forum
4. Environmental / Safety
5. Vendor Night
6. Equipment Technology
7. DOT / OSHA Training

## Passages

*MaCAPA News* extends our sympathies to family and friends on the recent passing of the following individuals:

**J. Robert Pesce**, 79, of Barrington, RI died on November 19. In 1957 he, along with his father jointly founded Consolidated Concrete which he later jointly owned with his brother George.

**Leo E. Ouellette**, 92, father of Lee & grandfather of Jason, passed November 8. In 1954 he founded Leo Concrete Service which became Chicopee Concrete Service where he was actively involved at the time of his death.

Happy Holidays from,

*Craig & Charke*





## Tech & Spec/MassDOT Meeting Notes

**Meeting Date:** November 5, 2015      **Present:** John Grieco (MassDOT)  
Wally Knox (MassDOT)  
Allister Melvin (Aggregate Industries)  
Ralph Olds (Construction Services)  
Richie MulCahly (MassDOT)  
Craig Daulphinais (MaCAPA)  
Jody Staples (Boston Sand & Gravel)  
Paul Moyer (Gill Engineering)  
Olivia Richards (Gill Engineering)

**Meeting Time:** 10am – 12pm

**Venue:** 400 D Street, Boston MA

### State Submittals

- All mix designs must be submitted to D Street by January 1, 2016 electronically only on the **updated** Excel spreadsheet that can be downloaded from the MHD web site ([link](#)). A pdf copy must also be submitted. Only the primary materials can be submitted for each plant.
- Any backup designs can be prepared but only submitted if and when necessary. Backups will be processed within 24 hours.
- A copy of the completed sheet must also be sent to the laboratory nominated to carry out the ASR testing on your sand and stone.
- Any job specific submittal must state the Job # on the [new form](#)  
[http://www.massdot.state.ma.us/Portals/8/docs/research\\_materials/2015\\_Cement\\_Concrete\\_Design\\_Mixes.xls](http://www.massdot.state.ma.us/Portals/8/docs/research_materials/2015_Cement_Concrete_Design_Mixes.xls)
- D Street will have all approvals returned by April 15, 2015 to the suppliers.
- Coulomb/ASR testing must be submitted by April 1, 2015
- New designs require trials.
- A list of approved labs for ASR testing will be available on the MHD website by November 30, 2015. ([link](#))
- <http://www.massdot.state.ma.us/highway/Departments/ResearchandMaterials.aspx>
- MassDOT will begin sampling materials at the plants from November 2014. A district inspector will coordinate with the suppliers. Suppliers should have a sampling point for cementitious materials and a procedure for sampling.
- The annual letter will be available soon. ([link](#))  
[http://www.massdot.state.ma.us/Portals/8/docs/research\\_materials/CementConcreteLetter2015.pdf](http://www.massdot.state.ma.us/Portals/8/docs/research_materials/CementConcreteLetter2015.pdf)
- ASR Testing should be performed with the backup SCM

### Other Points of Discussion

- MassDOT asked if we were still in favor of having the concrete test results from approved mixes available on their website. MaCAPA stated we were and asked if there was a possibility of adding 7 day results. MassDOT stated it may be a problem due to resources but agreed to keep posting the 28 day results.
- MassDOT asked MaCAPA if we had any objection to moving all mixes to High Performance at 0.45 water cement ratio apart from the 4000 psi standard and sidewalk mixes. This could take effect in 2017.

(Continued on page 4)

## Tech & Spec/MassDOT Meeting Notes

- MassDOT expressed that there was a need to move towards performance mixes and as a step towards that goal we discussed the introduction of some sort of Quality Management and Control System and as an example the NRMCA system was mentioned. This needs to be discussed at the MaCAPA board meeting as well as the MaCAPA Tech & Spec committee Level.
- MaCAPA asked MassDOT if the tolerance for batching cementitious materials could be altered from  $\pm 1\%$  to  $-1\%$  to  $+2\%$ . It was stated that loads of concrete were being lost due to being only a few lbs over on an entire load which is a financial and environmental burden on the industry. MassDOT stated that it sympathized and that common sense should prevail if it was the exception rather than the rule when this happens, but stopped short of granting the change and also stated that it would still be at the discretion of the district engineers.
- MaCAPA questioned Section F of Supplement C2015 – 218 Subsection M4.02.13 for Acceptance Criteria for Concrete and in particular the verbiage on coring when concrete fails to meet the specification. It was stated by MaCAPA that section F should only reference Engineering Directive E-05-004 of 11/17/2005 “Acceptance Criteria For Ready-Mixed Cement Concrete.” This was acknowledged by MassDOT and it was agreed that this change would be incorporated.
- It was also agreed by MassDOT that Section M4 “Cement And Concrete Materials” Subsection M4.02.00 of Supplement C2015 – 2013 be altered from  $7\% \pm 1.5\%$  to  $5\%$  to  $8\%$ .
- MaCAPA gave MassDOT a updated specification for CDF “Controlled Density Fill.” MassDOT will review and get back to MaCAPA.

Next meeting should be arranged for some time in early March. A list of suggested dates should to be forwarded to MassDOT. (Action CD)

### Golf Classic

The 23<sup>rd</sup> Annual West Classic was held at the Chicopee Country Club in Chicopee, MA on Wednesday, September 23<sup>rd</sup>. As always, it was a great success with 32 golfers from 18 member companies.

This tournament has been held at different courses in the Greater Springfield area throughout the years. Tony Borecki, a former MaCAPA President and founder of this event, was a member of Holyoke C.C. and launched the event there. Other courses have included Wilbraham Country Club, The Orchards in South Hadley, & the Hampden Country Club until 2012 when it was relocated to the current course.

Rain or shine, this has always been a fun day for all. The winning team this year was from Boston Sand & Gravel (*see photo*).

Special thanks to Ralph Olds and Brian Cusack for all their time and energy to make this a fun day for all!!



#### Team Boston Sand & Gravel

**Ryan Burke, Dean Boylan  
Allan Pastyrnak, & T.J. DaHill**

## Tech & Spec Meeting Notes

Ken's Framingham 10-21-2015

### MassDOT

- J. Staples brought up that the MassDOT specification required core samples to be 100% of design where ACI specifies 80% (Need to discuss at the DOT meeting on November 5, 2015).
- MassDOT is to drop their annual plant inspections in favor of NRMCA Certification. (To be discussed at the DoT meeting on November 5, 2015).
- Controlled Density Fill spec to be reviewed by the producers and finalized by Friday October 30, 2015. E-mail to MassDOT prior to our meeting on November 5, 2015.
- The specified air content of 7% on bridge deck walls should be removed. (To be discussed with MassDOT.)
- The amount of concrete rejected by MassDOT due to slight overweigh of cementitious was of concern. It was suggested that the tolerance be modified from +/- 1% to -1% + 2%. (To be discussed with MassDOT on November 5, 2015)

### General Discussion Points and Actions (*from previous meetings*)

- The members agreed that there should be educational seminars for the engineering community on water/cement ratio versus strength. MaCAPA promotions to follow up. (Carried forward from previous meeting)
- A series of educational sheets to be devised initially based on the recent article by NRMCA titled "NRMCA's Five Most Onerous Mix Requirements." NRMCA are due to release these.

### General Discussion Points and Actions (*new*)

- The members briefly discussed an App for specifiers and asked if there was one available. (Allister Melvin to follow up)

### Future Topics

Mitigating moisture in floor slabs – Allister to ask Matt Sherman of SGH if he could present to the group on what the industry expectations and experiences are and what the concrete producers can do to be more proactive.

The next Meeting will be held at Ken's Steakhouse in Framingham on Wednesday December 9, 2015 at 1:00 pm.

