

**Joint AASHTO-ASTM  
Task Group on Harmonization  
of Portland Cement  
Specifications**

*AASHTO Report  
August 2009*

# Objectives - Update

- Task Group Background and Mission
- Progress to date
- Current activities
  - TG recommended TS3a motions
- Future

# History

- Joint AASHTO-ASTM Task Group
  - Proposed
    - June 2003 ASTM C01 meeting
    - August 2003 AASHTO SOM TS3a meeting
  - Initial meetings
    - November 2003 conf call
    - January 2004 in-person meeting
  - Goal: have equivalent requirements in ASTM C150 and AASHTO M 85 that meet collective needs

# Statement of Collective Cement Standard Needs

1. Ensure concrete performance
2. Provide means of measuring compliance
3. Provide consistent material
4. Use simple reliable testing and sampling methods
5. Provide flexibility for optimization of available natural resources and manufacturing technology and accommodate various user requirements
6. Ensure understandable communication between buyer and seller

# Task Group

- AASHTO representatives
  - Don Streeter, NYDOT, Co-chair
  - Mike Bergin (Bouzid Choubane), FLDOT
  - Bert Wintz (Luanna Cambus), LADOT
  - Todd Tracy (Ron Walker), INDOT
  - Lisa Lukefahr (Jeff Seiders), TXDOT
  - Richard Genthner, WVDOT (retired)
  - Jerry Westerman, AKDOT (retired)

# Task Group

- ASTM representatives
  - Jim Pierce, BuRec, Co-chair
  - Al Innis, Holcim
  - Colin Lobo, NRMCA
  - John Melander (Paul Tennis), PCA
  - Doug Hooton, U. Toronto
  - Toy Poole, USACE

# Previous Accomplishments

- Fineness
  - maximum values
  - single sample
  - average of 5
- Use of up to 5% limestone
- Heat index ( $C_3S + 4.75C_3A$ )
- $C_3S$  and  $SiO_2$  limits

# Changes in 2009 Editions

- New Type II (MH)
- Modified fineness provisions
- Modified processing additions requirements
- Revised Table 1, Footnote D
- C465 revised spec / M327 companion



# Results!

2009 Editions of ASTM C150 and  
AASHTO M 85 are harmonized--  
**No significant technical differences**

Outstanding negative votes to  
discuss / consider action

# Future Business

- New method for heat of hydration
- Improved ways of addressing Bogue composition
- Use of combinations and global qualification of IPAs
- Other comments returned in balloting

**Questions ?**