

## 12<sup>th</sup> Annual Pennsylvania Concrete Conference

# **Concrete Pavement Quality Improvement Committee Update**

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## CPQI Committee Origin and Purpose

- Established in 2000 to resolve concrete performance issues.
- Current objective is to promote quality improvements and use emerging technologies that can be implemented to improve the quality and cost effectiveness of concrete pavements.



## Current Leadership

- ACPA Co-Chair – John Becker
- PennDOT Co-Chair – Joe Robinson



## Committee Members - PennDOT

- Dave Jarvis – BOCM
- Marcy Lucas - BOCM
- Mark Burkhead – BOD
- Steve Koser – BOMO
- George Dunheimer – ADE – C, District 6-0
- William Kovach – ADE – C, District 12-0



## Committee Members - Industry

- John Becker – ACPA – PA Chapter
- Mark Snyder – ACPA – PA Chapter
- Jim Kyper – New Enterprise
- Mike Hammer – Buzzi-Unicem
- Jay Taylor – Hi-Way Paving
- Brian Eberhart – Callahan Paving



## Committee Members - Partners

- David Cough – FHWA
- Terry Dreher – PA Turnpike



## Three On-going Teams

- Standards and Specifications Team
- Innovation and Technology Implementation Team
- Concrete Pavement Rehabilitation Team



## Standards and Specifications Team

- Led by Dave Jarvis and Mark Snyder
  - Includes Mark Burkhead, Stds. & Criteria Section
  - Looking at the use of Black Curing Compound
  - Considering the development of a Concrete Overlay Specification
  - Looking at the use of Longitudinal Tining



## Innovation and Technology Implementation Team

- Led by Joe Robinson and John Becker
  - Marcy Lucas, ETI - Research Section, new member
  - Evaluating the Premature Distress Report
  - Looking at the Results of the SR 119 Concrete Overlay
  - Roller Compacted Concrete is being evaluated



## CPR Team

- Led by Terry Kohler
  - Mark Ondecko, Gulisek Construction, new member
  - Patching Specification Changes
  - Partial Depth Spall Repairs – Materials & Specifications
  - Developing a Cross-Stitching Specification



## CPR Team

- Current Efforts
  - Patching Specification Changes
  - Partial Depth Spall Repairs – Materials & Specifications
  - Developing a Cross-Stitching Specification



## Completed Efforts

- Vanport Limestone Study
- Diamond Grinding Specification Change
  - Eliminates Bonus Payment for Ride Quality on CPR type work.
  - Requires an IRI of 70 for roadways greater than 45MPH and an IRI of 90 for roadways 45 MPH or less
- Transverse Joint Sealing Specification Change
  - Requires Neoprene seals to be completely removed when resealing the transverse joint.



## On-going Efforts

- Continue the Development of Intersection Joint Standards
  - Based on ACPA publication - CT forthcoming
- Continue the Development of Maturity Meter Specification
- Alternate Bidding
- National Concrete Consortium Training Course



We Look Forward to Improving  
Pennsylvania's Concrete Pavements in  
2011!

Thank-You!

