WISCONSIN CONCRETE PAVEMENT ASSOCIATION

Moving forward with concrete results
CPU Special Technical Session

Performance Specs and Pay Factors

ACPA Annual Meeting - November 30, 2016
Our Mission For This Session

• Learn the latest about performance specifications and actual contractor experiences and projects with pay factors developed using PaveSpec
Our Speakers

• Bill Vavrik, P.E., Applied Research Associates
• Sarah Kilroy, STATE Testing, LLC
• Steve Krebs, P.E., Wisconsin Department of Transportation
Our Panel

• Bill Vavrik, P.E., Applied Research Associates
• Sarah Kilroy, STATE Testing, LLC
• Steve Krebs, P.E., Wisconsin Department of Transportation
• Mike Zignego, Zignego Company
• Jerry Reece, Plote Construction Inc.
First Up….

- Mr. Bill Vavrik, P.E.
- Vice President and Principal Engineer

- Review of Projects Built Using Performance Specs in WI and IL
Next Up.....

• Sarah Kilroy, P.E.
• Engineer
• S.T.A.T.E. Testing, LLC

• Tollway Perspective on Performance Spec Applications and Setting Pay Factors
Last Presentation....

- Steven Krebs, P.E.
- Director, Bureau of Technical Services
- Wisconsin Department of Transportation

- Wisconsin DOT Experience with Performance Specs
Our Panel Members....

• Mike Zignego, P.E.
  – Vice President
  – Zignego Company, Inc.
  – Waukesha, WI

• Jerry Reece
  – Chief Operations Officer
  – Plote Construction Inc.
  – Hoffman Estates, IL
What is PRS?

PRS are specifications on key material and construction quality characteristics that have been shown to correlate significantly with the performance of pavement. Through the use of PRS a methodology is provided by which the quality of pavement construction can be identification of an optimum level of construction quality and the rational determination of pay adjustments for a specific project.

Publication No. FHWA-RD-93-042, November 1992, page 1
What is PRS?

• Nothing new, we have been talking about it a long time

• CONCEPT
  – Specified quality at design
  – Higher quality at construction is a performance benefit
  – Lower quality is a loss of performance
What is PRS?

• Allows us to optimize quality and performance
• Allows us to find the best balance of costs and performance
• Project Basis
• Quality at Construction predicts performance
• Amount of incentive or disincentive is based on the costs incurred by the agency
What is PRS Examples

• Aggregate types/quality
  – Limestone
  – Crushed gravels

• Air penalty
  – Standard specifications
  – PRS air curves
Sounds Logical, Right?

• What are we waiting for? Let’s do it!
• Need to know
  – Our materials better than we ever have
  – Performance of our pavements
  – Costs
  – Life cycle maintenance, rehabs and service lives.
Commitment

• Not 1 or 2 projects
• Policy for PRS
• The information loop
Let’s Hear From the Experts