# Joint Technical Committee on Pavements (JTCP)

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2011 SOM

Burlington, Vermont





#### OUTLINE

JTCP

□ Who

What

Why

□ What does it have to do with SOM?

Should i give up or Should i just keep chasing pavements

#### **JTCP**

- 20 State DOT members +Chair & Vice-Chair
  - \* ½ SOD, ½ SOM
  - All AASHTO Regions
- Liaisons
  - AASHTO, NCHRP, FHWA, SHRP2, NAPA, ACPA
- Meet once/year in person
  - Webinars
  - Teleconferences
- 4 Technical Groups

## **Technical Groups**

Pavement Design and Analysis

Pavement Management

Sustainability and Surface Characteristics

Low Volume Roads

# Publications (Reports and Guides)

AASHTO Guide for Design of Pavement Structures

**Pavement Friction Guide** 

Pavement Management Guide

Pavement Deflection Data Exchange: Technical Data Guide

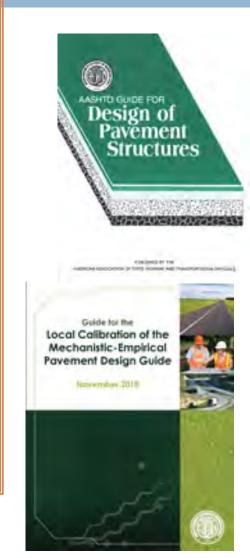
Pavement Management Roadmap

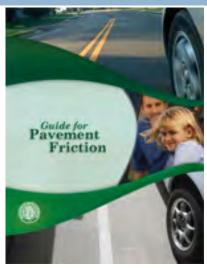
Guide to Local Calibration of the MEPDG

**COMING SOON:** 

Pavement Type Selection Guide

Pavement Management Handbook







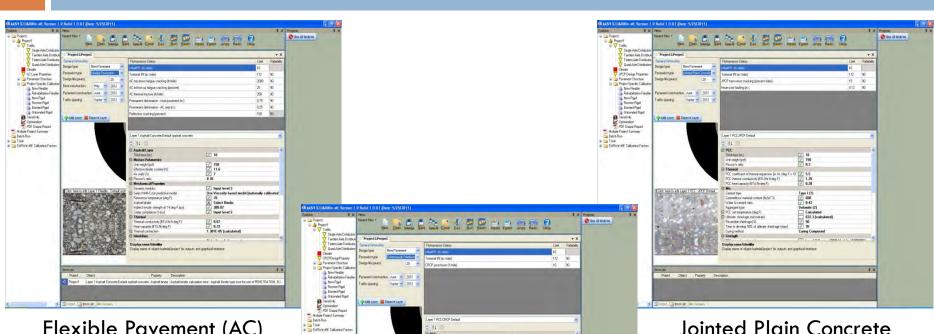
#### DARWin-ME:

### Mechanistic-Empirical Pavement Design

"DARWin-ME<sup>TM</sup>
is the next
generation of
AASHTOWare®
pavement design
software



# New Pavement Design



Flexible Pavement (AC)

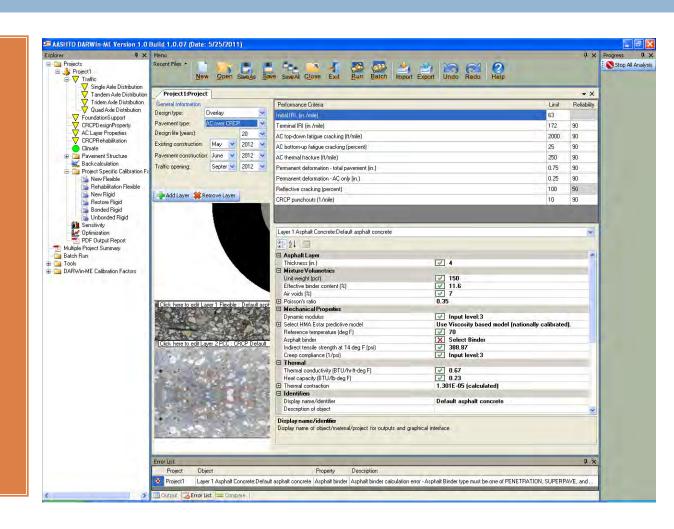
Jointed Plain Concrete Pavement (JPCP)

Continuously Reinforced Concrete Pavement (CRCP)

# Overlay Design

#### Types of Overlays:

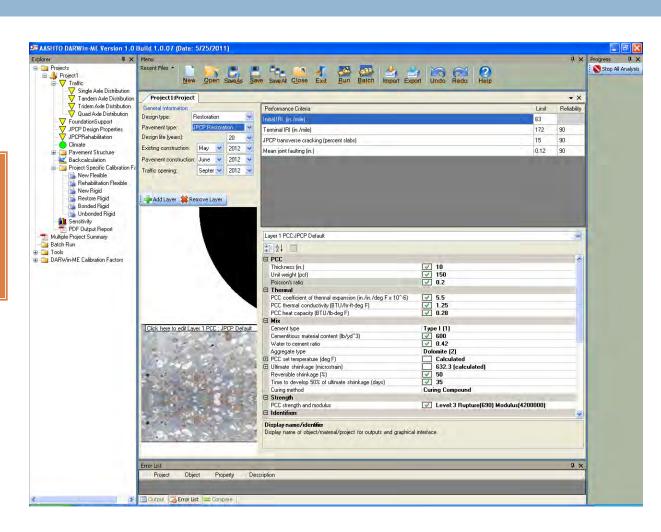
- . AC over AC
- AC over JPCP
- AC over CRCP
- 4. AC over JPCP (fractured)
- 5. AC over CRCP (fractured)
- 6. Bonded PCC/JPCP
- Bonded PCC/CRCP
- 8. JCPC over CRCP (unbonded)
- JPCP over JPCP (unbonded)
- 10. CRCP over CRCP (unbonded)
- 11. CRCP over JPCP (unbonded)
- 12. JPCP over AC
- 13. CRCP over AC



#### Pavement Restoration

Types of Restorations:

JPCP Restoration



# Analysis Summary Page

# Included in Analysis Summary:

Inputs

Traffic

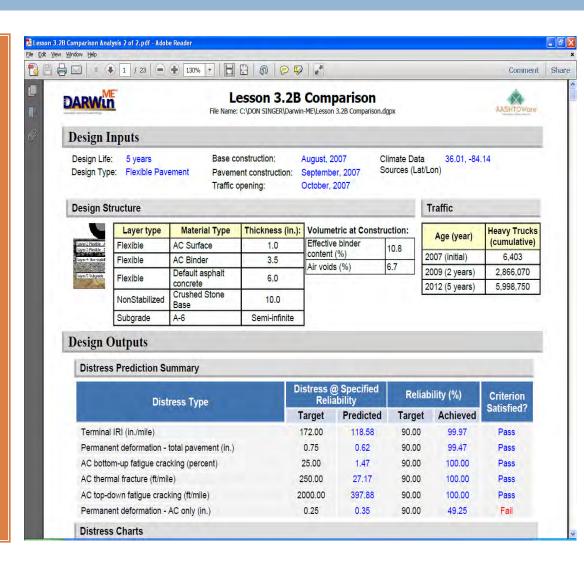
Climate

Layer Design Properties

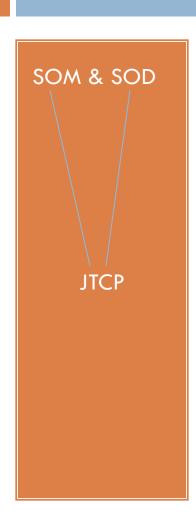
Outputs

**Distress Prediction Summary** 

**Distress Charts** 



#### JTCP Needs YOU!!



We need support from the Subcommittee on Materials for research statements:

- Pavement Management
- Concrete recalibration for CTE correction
- …future research need statements