

SE Pavement Management & Design Conference

Pavement Management – Making It Work



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Keys to a Successful System

- ◆ Results are used to influence agency decisions
 - Confidence in the data
 - Buy-in from agency personnel
 - Recommendations continue to support the decision process over time
 - Concepts are promoted regularly

Building Confidence in Data

◆ Location referencing



Building Confidence in Data

- ◆ Condition data
 - Repeatable
 - Relevant
 - Accurate
- ◆ QC/QA activities
- ◆ Age since last treatment



Establishing Buy-In

Year 1

Year 2



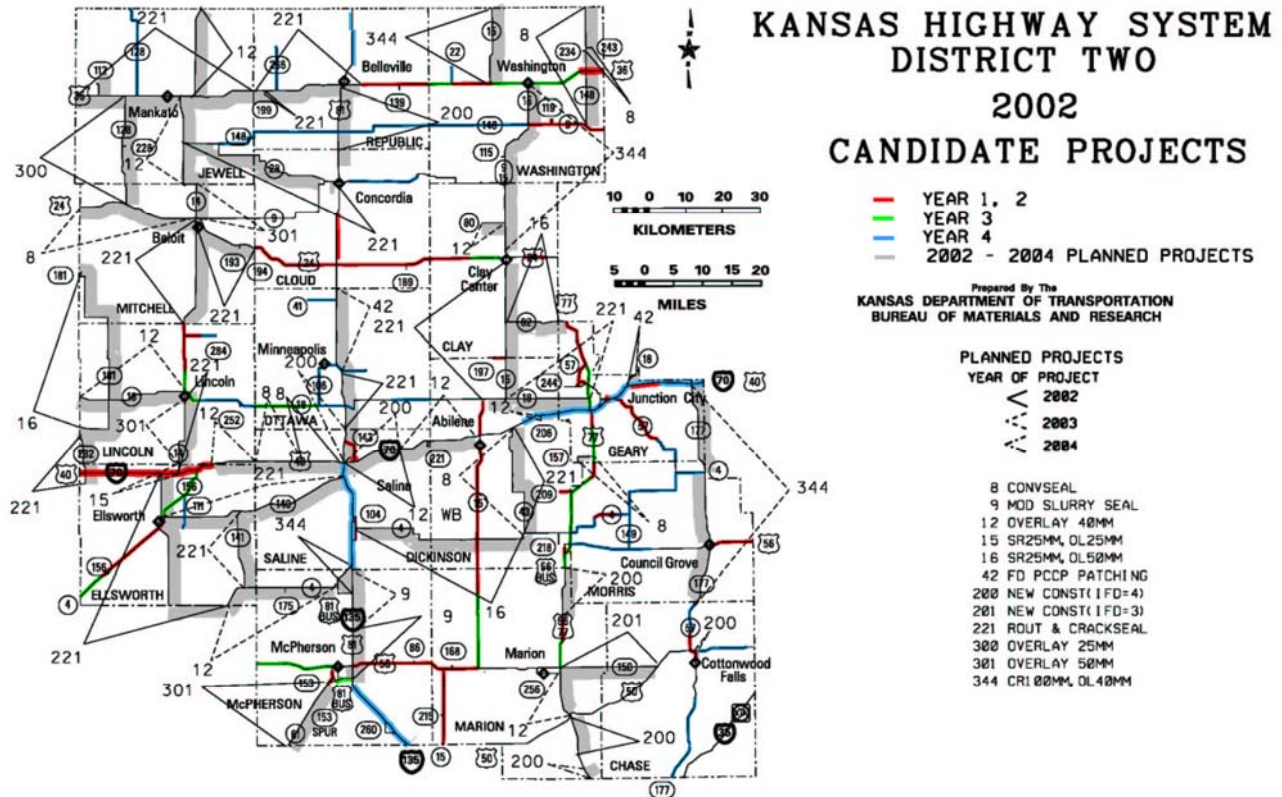
Establishing Buy-In

- ◆ Acceptance of Recommendations
 - Seek input into model development
 - Establish steering committees



Establishing Buy-In

Usefulness of information



KDOT makes no warranties, guarantees, or representations for accuracy of this information and assumes no liability or responsibility for any errors or omissions.

d2candidatelegend.dgn October 14 Using PMS Database 10-8-02

Establishing Buy-In

◆ Accessibility to information

General Map Module - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Guide Print Security Stop

Bookmarks Location: <http://caro.esri.com/isa/CTGen/>

Instant Message HP Hot Info HP Support Internet Lookup New&Cool Netcaster

CALTRANS General Map Module

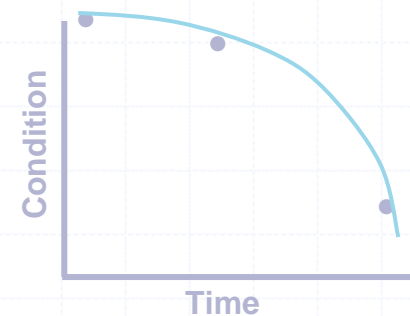
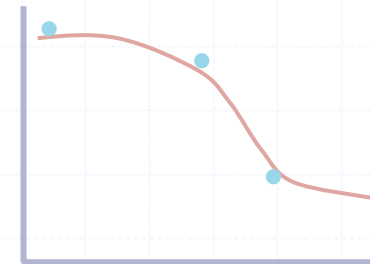
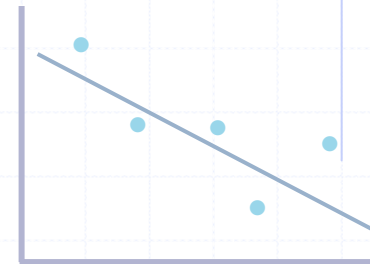
MN Sta	
Name	WEST ELECTRIC
Type	SC
Street Num	6010
Street Prefix	
Street Name	FOLSOM
Street Suffix	BLVD

Identify

Document Done

Maintaining Support With Time

◆ Pavement management models



Maintaining Support With Time

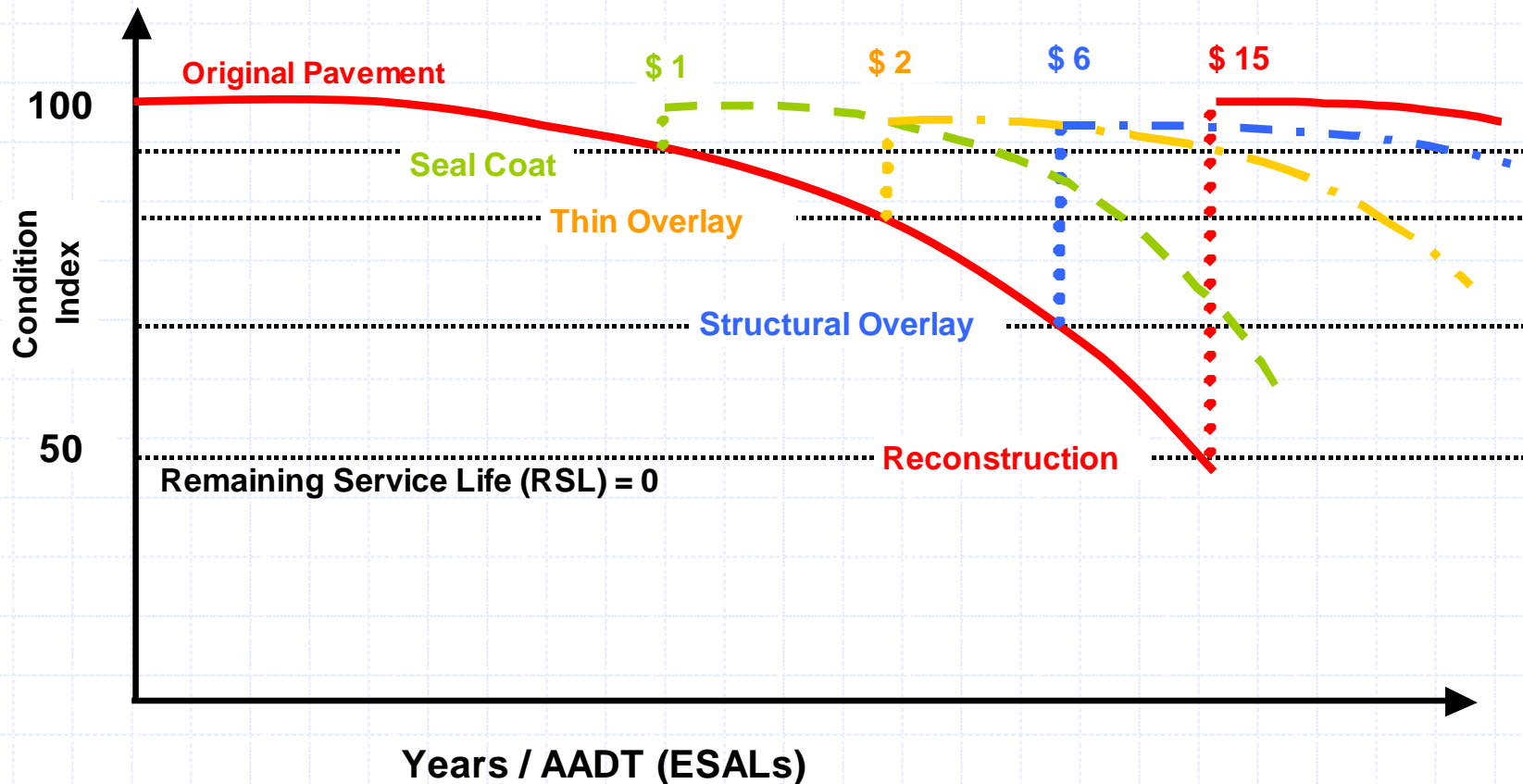
- ◆ HPMS Reassessment
- ◆ MEPDG Calibration



Promoting Concepts

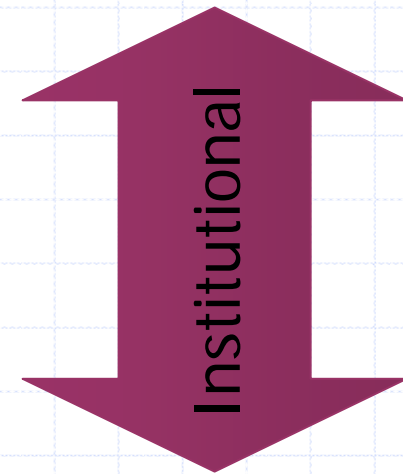
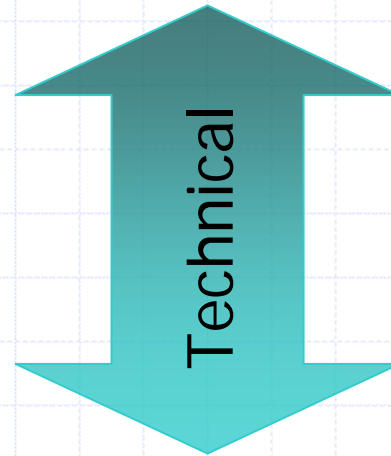
◆ Educating decision makers

Condition Deterioration & Treatment Triggers / Resets



Pavement Management Challenges

- ◆ Data quality
- ◆ Data integration
- ◆ Model development
- ◆ Lack of acceptance
- ◆ Inadequate resources
- ◆ Political pressure
- ◆ Competing priorities
- ◆ Others?

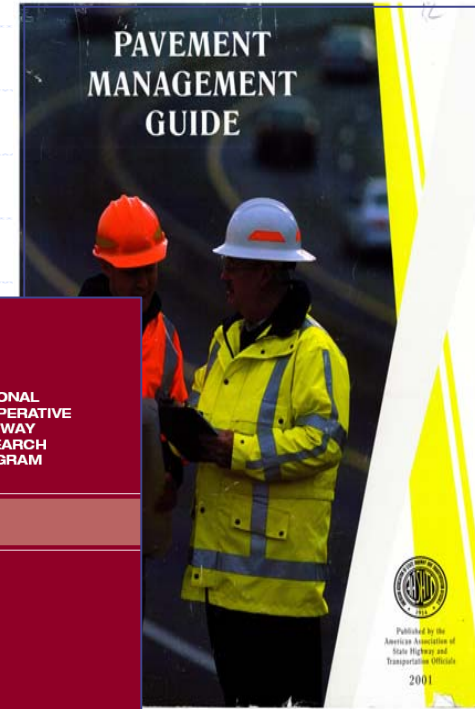


Addressing Technical Issues

- ◆ References
- ◆ Training Classes
- ◆ Conferences/Meetings
- ◆ Peer Exchanges

7th International Conference
on Managing Pavement Assets

ICMPA
CALGARY, CANADA 2008



Software/Data Availability Issues

◆ Business process review

- Where is the data? What format is it in?
- Who uses the data? What format do they need it in?
- What changes are needed to better align the business processes?

◆ Gap analysis

- Document existing capabilities
- Identify needs
- Evaluate gaps between the two



Resource/Support Issues

- ◆ Business case study
 - Needs/criteria/resource requirements/results
 - Peer review
- ◆ Quantifying the benefits of pavement management



Concluding Thoughts

- ◆ Pavement management is an important tool for transportation agencies
- ◆ Success must be addressed on multiple fronts

