

# Pavement Evaluation 2010

## General Pavement Analysis

By

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# Pavement Evaluation 2010

Pavement Management

Pavement Design

Pavement Maintenance

# Pavement Evaluation 2010

Pavement Condition Survey

Coring & Sampling

Deflection Testing

Benkelman Beam

Dynaflect

FWD

Ground Penetrating Radar

Dynamic Cone Penetrometer

# Pavement Evaluation 2010

## Pavement Condition Survey

Critical for

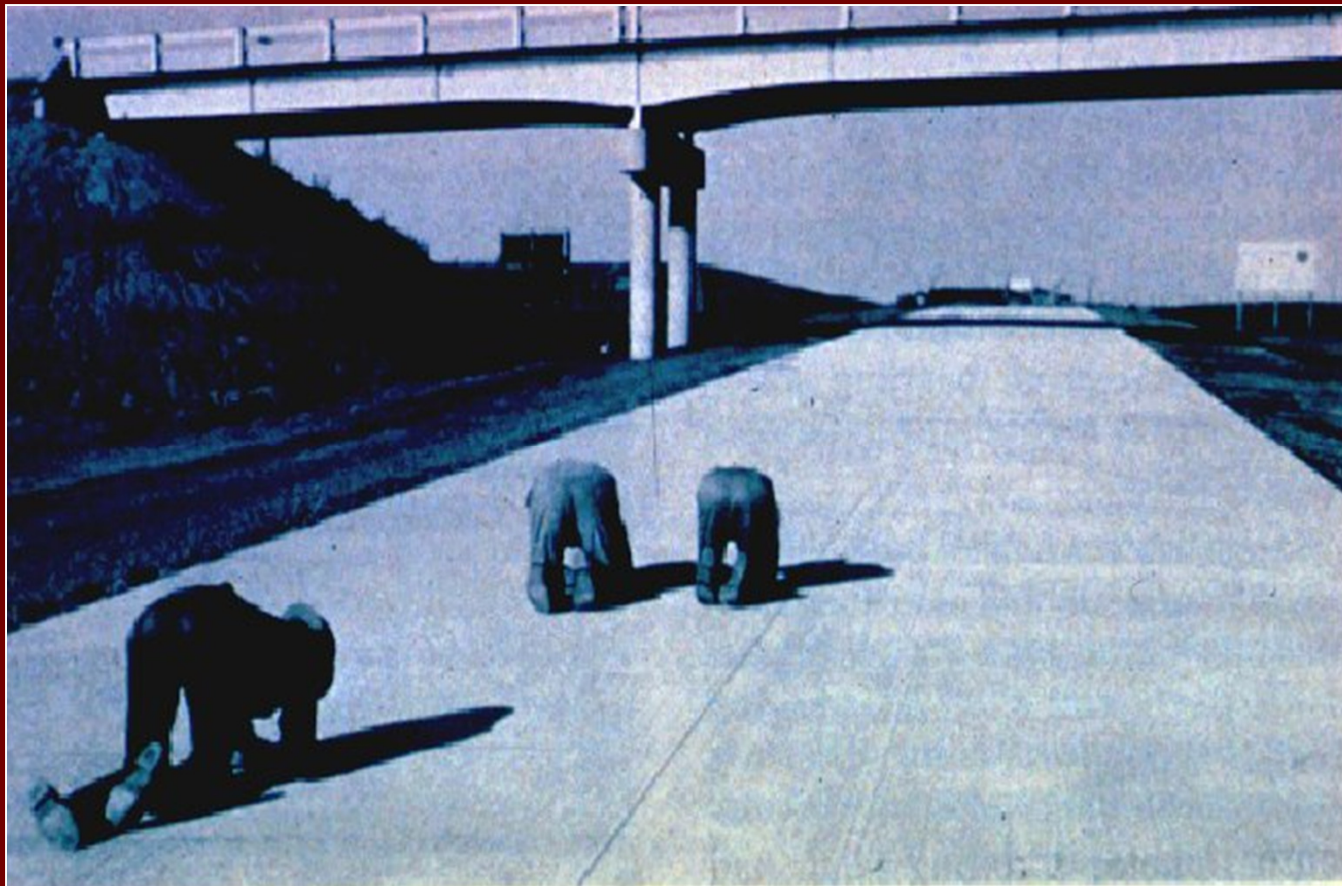
Pavement Management

Pavement Design

Pavement Maintenance

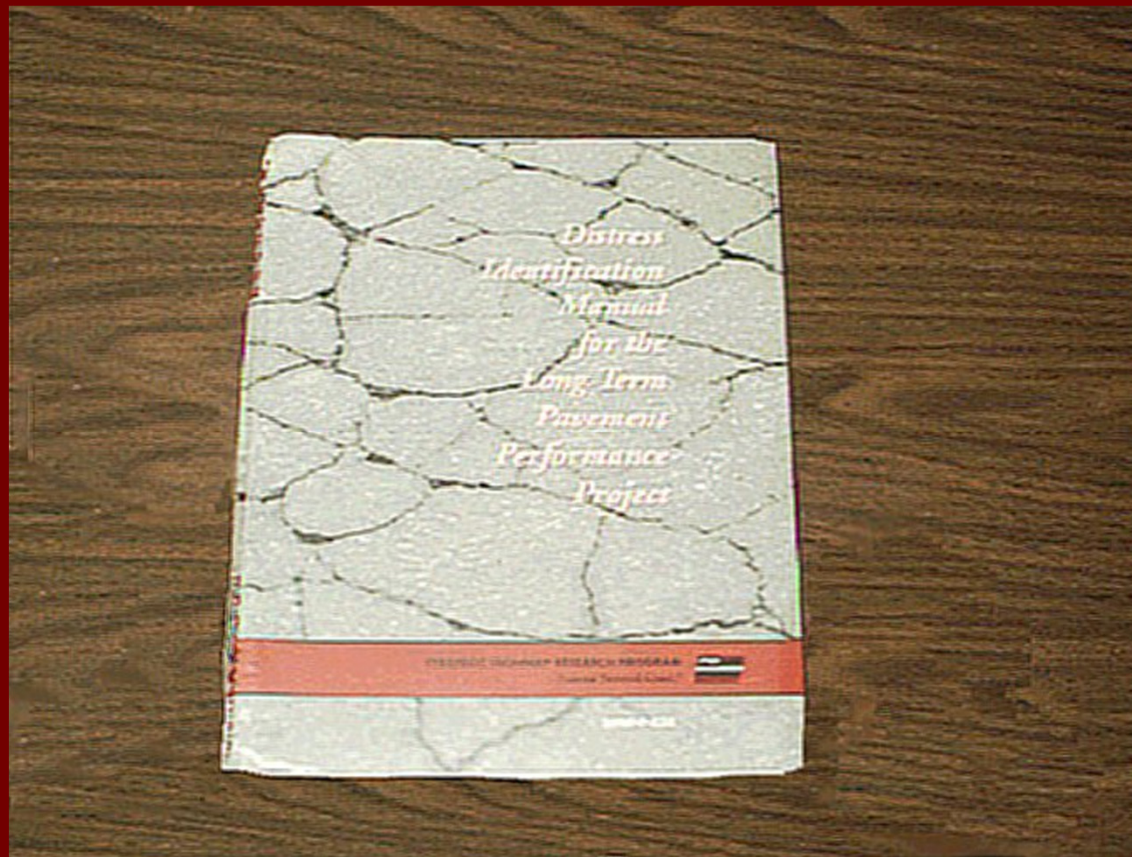
# Pavement Evaluation 2010

## Pavement Condition Survey

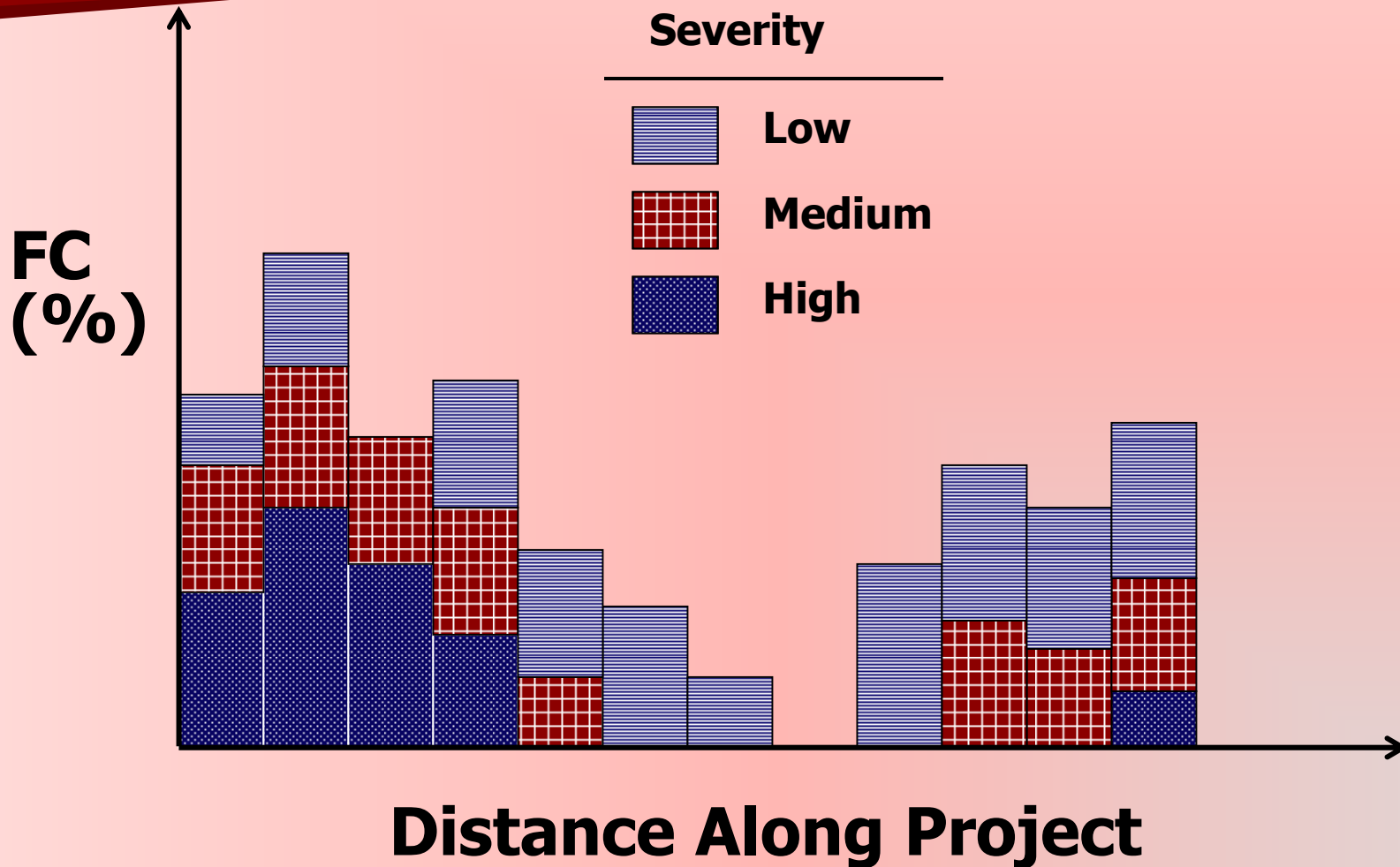


# Pavement Evaluation 2010

## Pavement Condition Survey



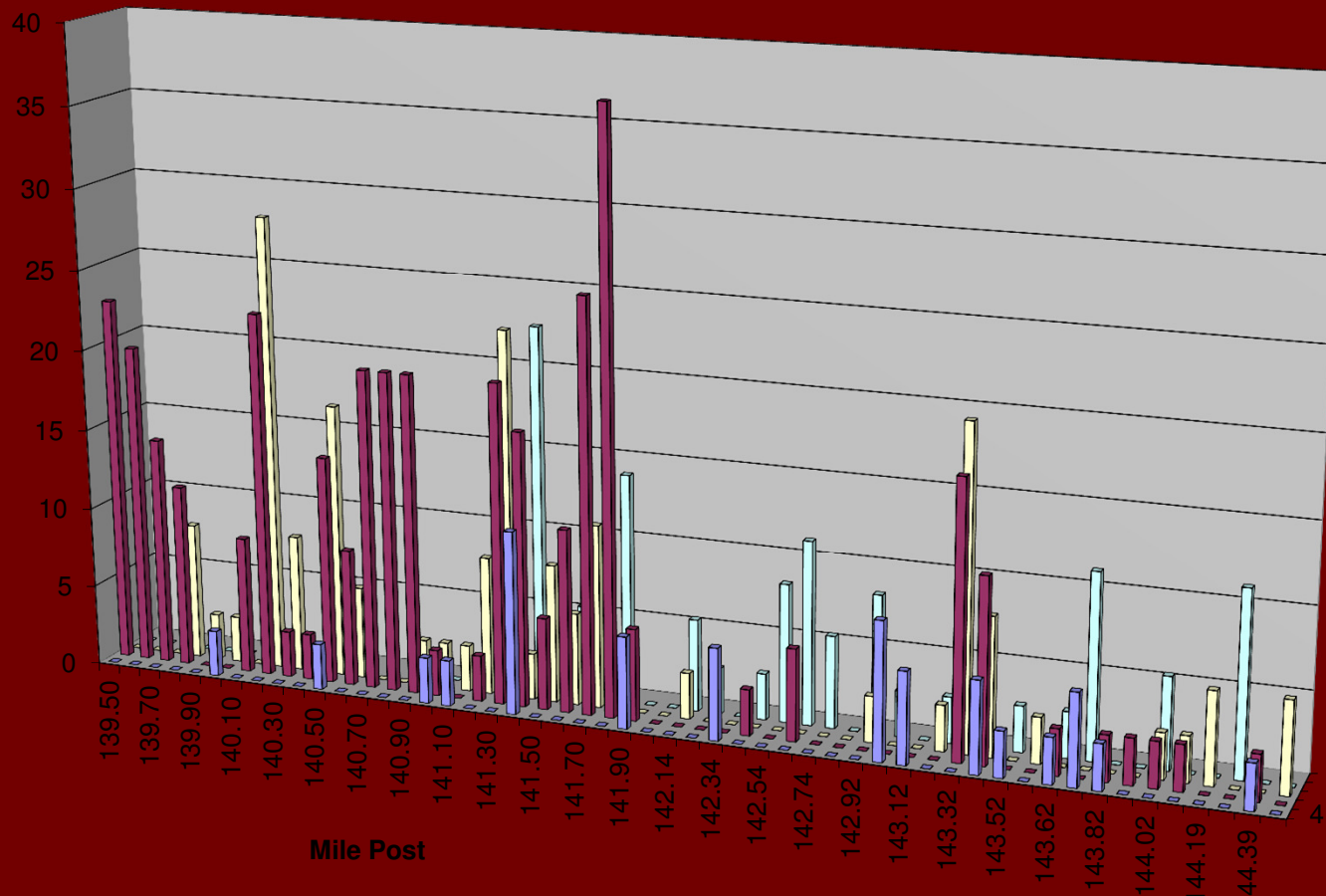
# Example Strip Chart - Fatigue Cracking



# Pavement Evaluation 2010

## Pavement Condition Survey

Total Cracking (Percent of Lane Length)





# Pavement Evaluation 2010

Coring and Sampling

Primary Use

Pavement Design



Pavement Layer Thickness

Pavement Layer Condition

Base and Soil Sampling

DCP Testing

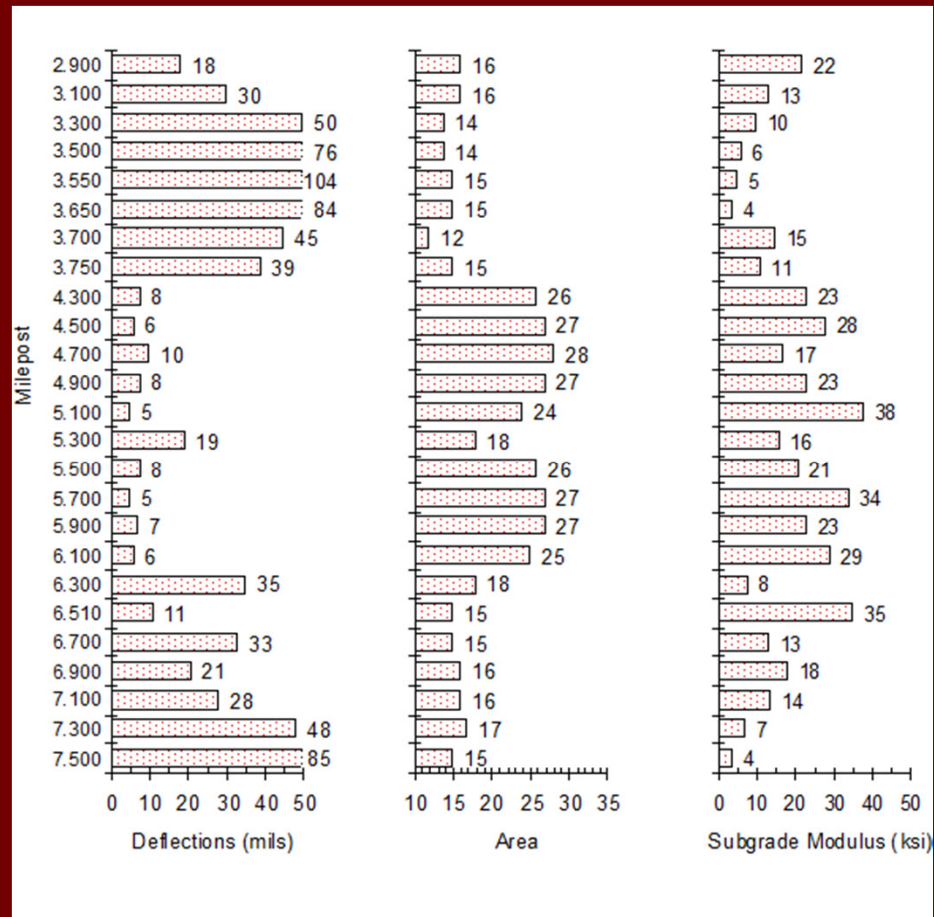
# Pavement Evaluation 2010

## Deflection Testing (FWD)



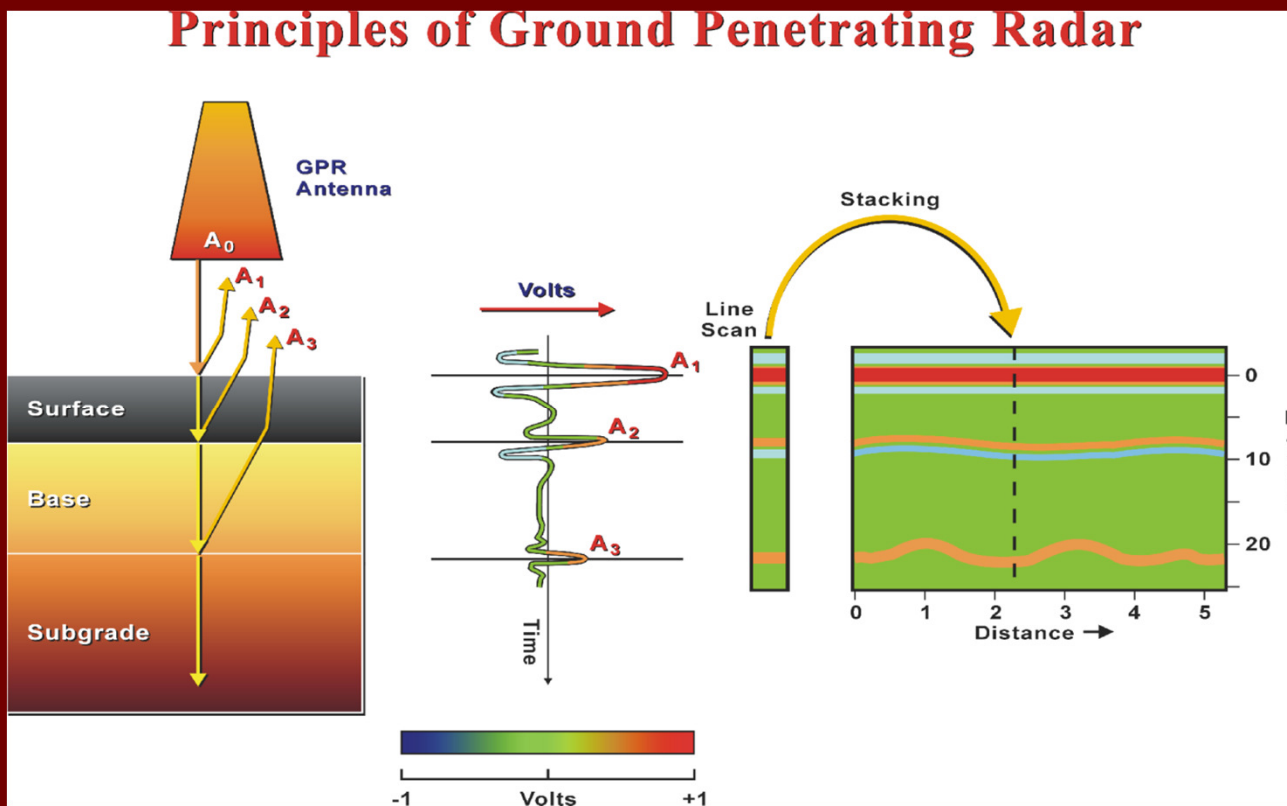
# Pavement Evaluation 2010

## Deflection Data Presentation



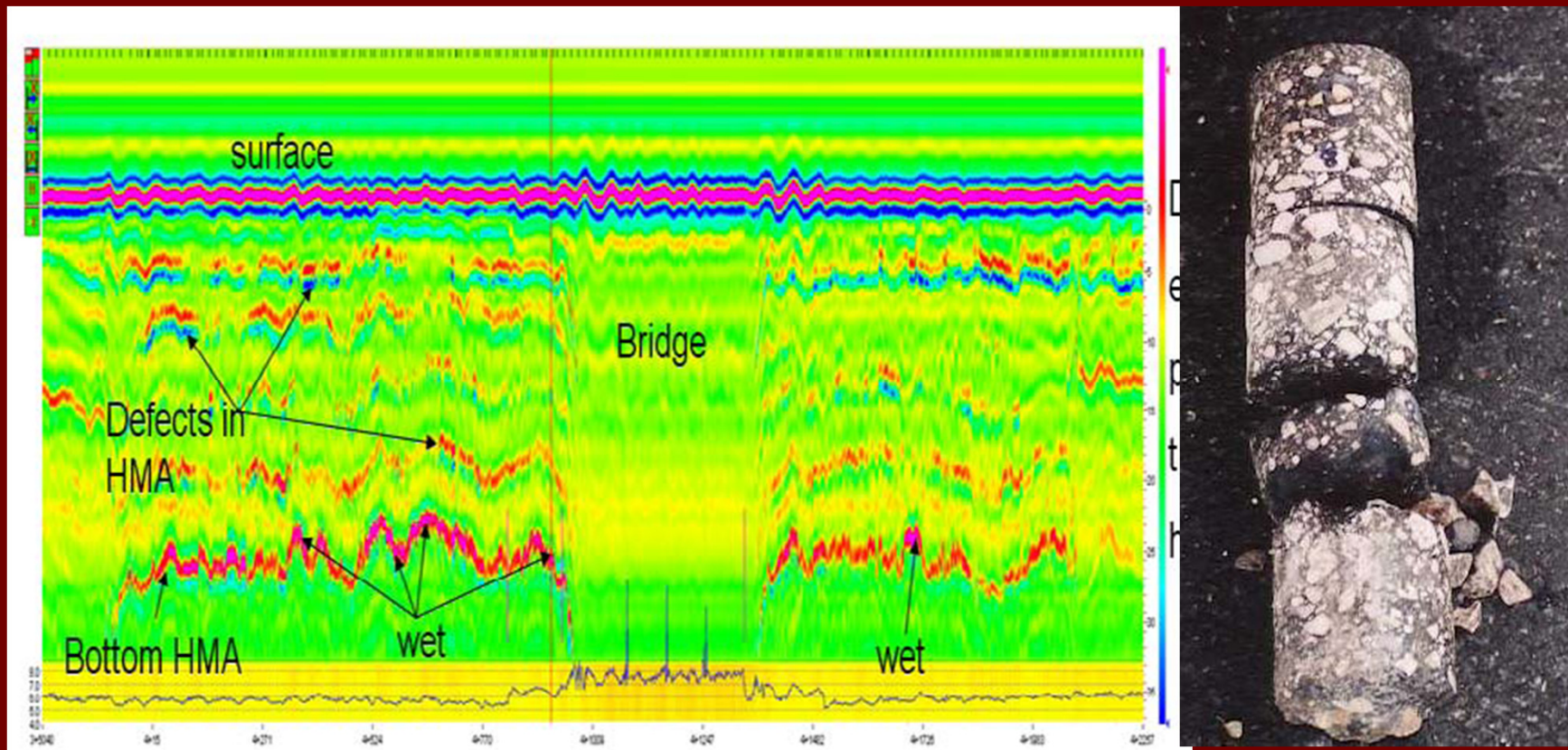
# Pavement Evaluation 2010

## Ground Penetrating Radar - GPR



# Pavement Evaluation 2010

## Ground Penetrating Radar - GPR



# Pavement Evaluation 2010

## Wide Range of Information Available

Condition Survey

Coring and Sampling

Deflection Data

Ground Penetrating Radar

Bearing Capacity (DCP)

Use multiple sources of information

Observations plus Explanatory Data

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## Example - Top Down Cracking



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