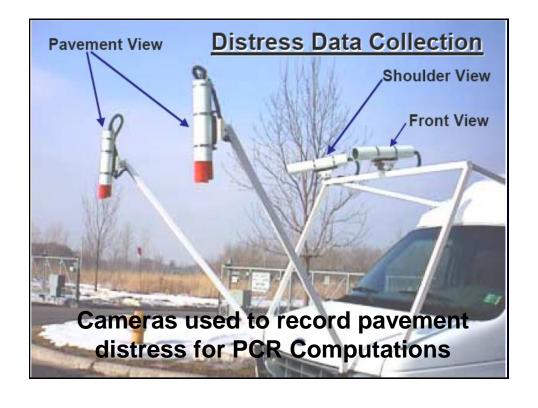


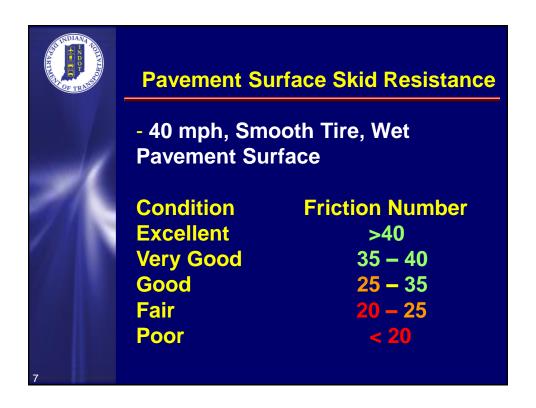
OF TRANS	INDOT System Information		
	Route System	Lane Miles	
7	All Routes	27,217	
	Interstates	4,261	
	Non – Interstates – NHS	5,154	
	Non – NHS	17, 802	

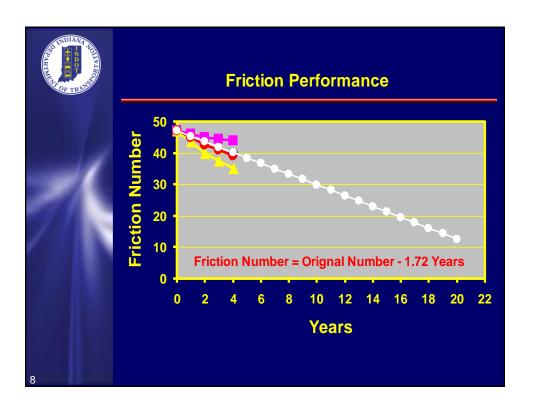


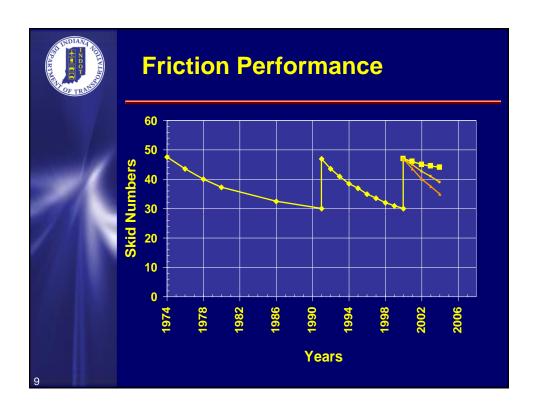


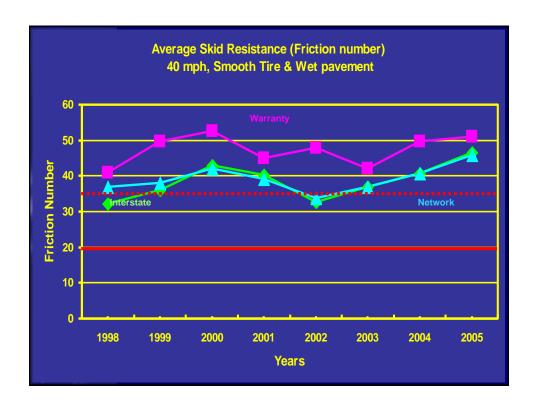














Decisions Driven by Friction Data

- Initially was used just to report the pavement surface condition
- Preservation at Locations of Low Friction Values – Saved Lives and Properties
- Planning for preservation needs
- Warranty Contract Compliance
- Special Tests (What Materials best suited to provide acceptable values)

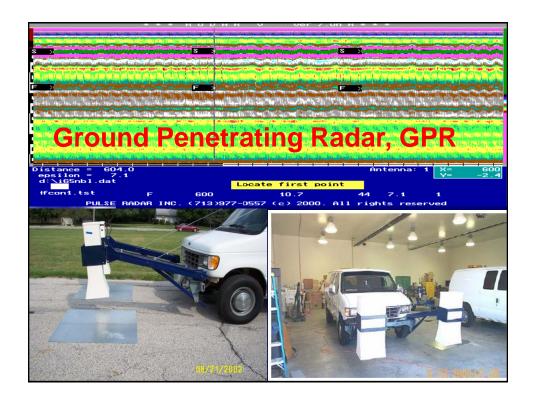
11

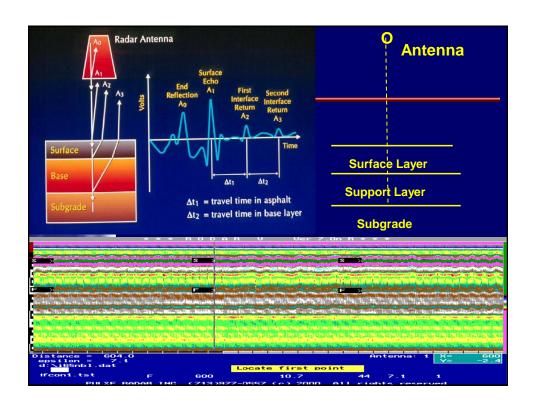


Ground Penetrating Radar- GPR

- Air Coupled Antenna
 - Highway Speed
- Ground Coupled Antenna
 - Traffic Control

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Material	Mean	Range
Portland Cement Concrete	9	6 – 12
Asphalt Concrete and Dry Sand	5	3 – 7
Rock	9	6 - 12
Dry Aggregate Base/ Subbase	7	5-9
Wet Aggregate Base/Subbase	15	10 – 20*
Subgrade	15	5 – 25*
Air	1	
Water	80	



Ground Penetrating Radar- GPR

- Thickness Evaluation
- Moisture Entrapment Causing Stripping or Disintegration
- Water Infiltrations at Joints and cracks and Subsurface Drainage effectiveness
- Utility Location
- Bridge Deck Evaluation

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Ride Quality, IRI, and Texture Depth Measurements

- IRI: Warranty Contracts Now
- IRI: Smoothness Award Now
- IRI: Network Data Quality Cross Check and Calibration - Planned
- IRI: Construction specifications
 Planned Research
- Texture Depth: Preservation Needs Planned – Research
- Texture Depth: Evaluation of Materials used in preservation – Planned – Research

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