



Implementation Support

Current effort involves:


- Equipment Loan Program
- Showcases
- **Workshops**
- Documentation of results/case studies
- Specification Refinement

National Concrete Pavement Technology Center 

 7


Workshop Goals

- To educate pavement practitioners on the fundamentals of concrete pavement smoothness measurement and interpretation.
- To reinforce best practices for concrete paving operations to achieve ride quality requirements.
- To demonstrate Real-Time Smoothness technology as a tool for improving concrete pavement smoothness.

 8


Workshop Topics

- Measuring Pavement Profiles
- Introduction to Real-Time Smoothness Technology
- Interpreting and Analyzing Pavement Profiles
 - What is the IRI and what are current specification requirements?
 - What is localized roughness?
 - ProVAL software analysis tools
- Best Practices for Concrete Paving Operations
- Using RTS Technology to Improve Smoothness

 9


Workshop Outline


- Session 2: Fundamentals & Importance of Pavement Smoothness
- Session 3: RTS Measurement Technology and Practices
- Session 4: Fundamentals of Ride Quality and Current Practices for IRI Specs
- Session 5: Best Practices for Concrete Paving Operations
- Session 6: Using RTS Technology to Improve PCCP Smoothness

 10

What is RTS Measurement?

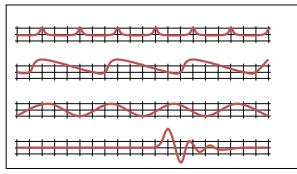
Real-time smoothness refers to measuring and evaluating the concrete pavement surface profile during construction, somewhere along the paving train while the concrete surface is still wet (plastic).




 11

With RTS Measurements You Can...

- Identify events during concrete paving that affect smoothness.
- Examples:
 - Dowel basket rebound
 - Concrete load effects
 - Stringline sag
 - Localized roughness
 - Etc.




 12

Questions?

Next:

- **Session 2: Fundamentals & Importance of Pavement Smoothness**

 FOR THE ROAD AHEAD

13