

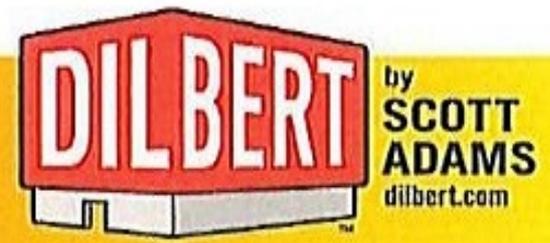
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Administrative Professionals Day
St. George's Day (UK)

WEDNESDAY

APRIL 23



Basic Philosophy (Andrews, MD SHA May 6, 2014)

- Improve information value (not just better data)
- Focus on parameters that best represent condition (especially in early distress stages)
- Get all stake-holders on the same page
 - Lower cost
 - Better understanding and comparability
- Allow measurement and analysis methods and processes to mature somewhat independently

New Stds. PP67-70

- Extend the achievements made on ride measurement (IRI)
- Separate the collection from the analysis
 - Each can advance at its own pace
- Take advantage of new, automated, technology
- Provide objective results
- Opportunity for a fresh approach

PP 70

COLLECTING TRANSVERSE PROFILES

- New, 500+ point technology
- Horizon referenced data
- Frequent measurement
- Safely extend beyond the vehicle (full lane+)

PP69

ANALYSIS OF TRANSVERSE PROFILES

- Utilize the newly available data
- Introduce the concept of deformation as a simple parameter (X100)
- Robust, automated the rut measurement
- Automate a water entrapment potential measure

PP 67

DISTRESS ANALYSIS FROM IMAGES

- Allow any image type to be analyzed
 - Intensity
 - Elevation (range)
 - Thermal
 - Etc.
- Map then quantify (definitions critical)
- Five band analysis (Europe)
 - Two wheel-path strips
 - One center strip
 - Two outside strips
- Three types only
 - Longitudinal
 - Transverse
 - Pattern

PP 68

COLLECTING PAVEMENT IMAGES

- Encourage the latest technology
 - Currently not a true collection specification except for coverage area
 - Requirement is based on “system” performance
 - As the capability and quality requirements of the analysis module are defined, I expect transition to true image specifications (complicated)

Possible Future Image Specs

- Resolution
 - Intensity
 - Longitudinal – Transverse – gray-scale
 - Elevation
 - Longitudinal – Transverse – vertical
- Accuracy of same parameters
- Undetected features
- Metadata availability and accuracy

First Priority

**Define the Data Formats for
information transfer from
collection to analysis**

Comments:

- Include provision for required Metadata
- Be as open as possible for expansion

QUESTIONS

THANK-YOU