

RESCURCE CENTER

Evaluate each of the metrics for the section to determine whether the section is good, fair or poor with respect to:

- Asphalt: IRI, rutting, cracking %

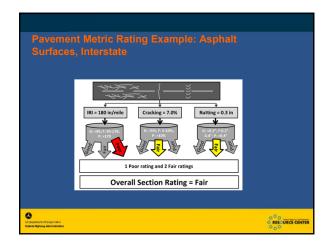
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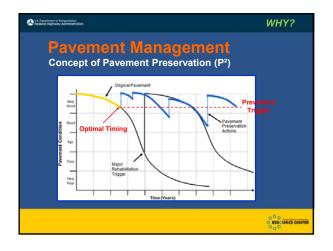
- Jointed Concrete Pavement (JCP): IRI, faulting, cracking %
- Continuously Reinforced Conc. Pvt. (CRCP): IRI, cracking %

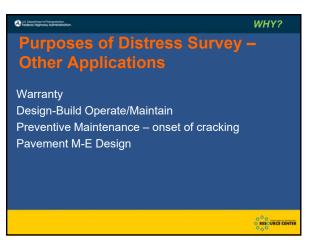
RESOURCE CENTER

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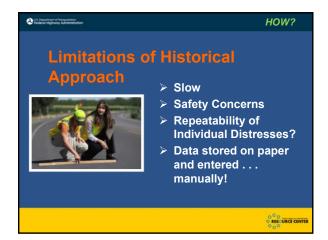
	Pavement Type		1		
	Asphalt and Jointed Concrete	Continuous Concrete			
Overall Section Condition Rating	3 metric ratings (IRI, cracking and rutting/faulting)	2 metric ratings (IRI and cracking)		Measures	
Good	All three metrics rated "Good"	Both metrics rated "Good"	÷	percentage of lane- miles in "Good" condition	
Poor	≥ 2 metrics rated "Poor"	Both metrics rated "Poor"	→	percentage of lane- miles in "Poor" condition	
Fair	All other combinations	All other combinations			



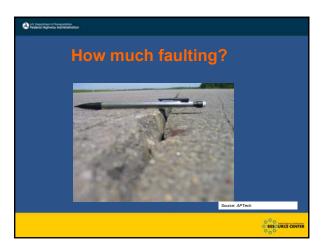


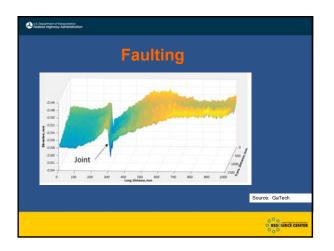


Evolution					
Methodology	Fast	Safe	Repeatable		
Walking					
Windshield	 Image: A second s				
Semi-Automated	~	 Image: A second s			
Automated	~	 Image: A second s	 ✓ 		











Activities – Transverse Profile (Rutting)

- TPF-5(299)/FHWA contract: "Calibration, Certification, and Verification of Transverse Pavement Profile Measurements", final report 2020
 - Standards exist for longitudinal profile (IRI)
- NCHRP 20-07/Task 411 Review and Update of AASHTO R87, Determining Pavement Deformation Parameters and Cross-Slope from Collected Transverse Profiles, contract expected to be awarded fall 2018 (1 year contract)
 - Improve existing definitions

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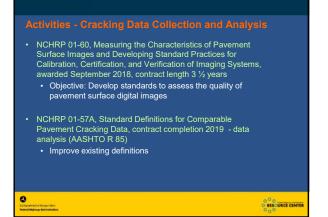
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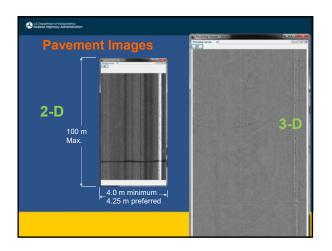


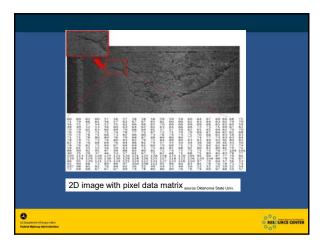












SEAUPG Annual Meeting

Activities

- Jointed Concrete Pavement Faulting Collection and Analysis Standards, contract awarded September 2018, contract length 3 $\frac{1}{2}$ years
- Standards exist for longitudinal profile (IRI)
- Guidance for Quality Management of Pavement Surface Condition Data Collection and Analysis, contract award expected winter 2018/19, contract length 3 ½ years
 Develop Quality Management Plan guidelines for pavement
 - surface condition data collection and analysis

C ES.Department of Transportation Federal History Administration Activities Development of Standard Data Format for 2-Dimensional and 3-Dimensional (2D/3D) Pavement Image Data that is used to determine Pavement Surface Condition and Profiles – contract complete . Follow up contract: Evaluation of Proposed Standard Data Format and Compression Algorithms for 2D/3D Pavement Surface Image – final report 2019 . Separate data collection from analysis . Reprosess data when new analysis algorithms are developed . Apply analysis algorithms to 2D/3D digital images from different sources . Share data efficiently between uses, software tools and electronic platforms

Activities – TPF-5(299) Objectives: Improve the Quality of Pavement Surface Distress and Transverse Profile Data Collection and Analysis by assembling SHAs, FHWA, and industry representatives to: • Identify data collection integrity and quality issues • Identify data collection integrity and quality issues • Suggest approaches to addressing identified issues and needs Based on this information, the SHAs and the FHWA will: • Initiate and monitor projects intended to address identified issues and needs • Disseminate results • Assist in solution deployment

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