



TPF-5(299)/(399) POOLED FUND UPDATES

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RPUG
Road Profile Users' Group

Outline

- Transportation Pooled Fund (TPF) 5-(299)/(399) Study Background
- TPF-5(299)/(399) Activities and Reports

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TPF-5(299)/(399) Background

Background

TPF-5(299)/(399) 24 State Departments of Transportation (DOT) (Federal Highway Administration (FHWA) Administered): Improve the Quality of Pavement Surface Distress and Transverse Profile Data Collection and Analysis by assembling State DOTs, the FHWA, and industry representatives to:

- Focus: rutting, cracking, and faulting
- Identify data collection integrity and quality issues
- Identify data analysis needs
- Suggest approaches to addressing identified issues and needs

Based on this information, the State DOTs 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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TPF-5(299)/(399) Activities and Reports



TPF Activities and Reports

- Calibration and Verification of Transverse Pavement Profile Measurements
 - Publication FHWA-RC-20-004/ https://www.fhwa.dot.gov/pavement/pub_details.cfm?id=1109
 - American Association of State Highway and Transportation Officials (AASHTO) Standards approved
- Standard Data Format for 2D/3D Pavement Image Data
 - Publication FHWA-RC-20-001/ https://www.fhwa.dot.gov/pavement/pub_details.cfm?id=1108
 - AASHTO Standard MP 47
- Developing Guidelines for Cracking Assessment for Use in Vendor Selection Process for Pavement Crack Data Collection/Analysis Systems and/or Services
 - Publication FHWA-RC-20-005/ https://www.fhwa.dot.gov/pavement/pub_details.cfm?id=1119
- Successful Practices for Quality Management of Pavement Surface Condition Data Collection and Analysis
 - Publication FHWA-RC-20-007/ https://www.fhwa.dot.gov/pavement/pub_details.cfm?id=1120
- Jointed Concrete Pavement Faulting Collection and Analysis Standards – ongoing



Additional Activities

- National Cooperative Highway Research Program projects:
 - 01-60 “Measuring the Characteristics of Pavement Surface Images and Developing Standard Practices for Calibration, Certification, and Verification of Imaging Systems”
 - 20-7 Task 411 “Review and Update of AASHTO Standard Practice R 87” – Rut and Cross Slope
 - 01-57A “Standard Definitions for Comparable Pavement Cracking Data”
<https://www.nap.edu/download/25928#>
 - -01-57B “Validating Proposed Definitions for Comparable Pavement Cracking Data” – starting in 2023



TPF-5(299)/(399) Ongoing and Planned Activities

Validation and Refinement of Transverse Pavement Profiler AASHTO Standards: PP 106, 107, 108, 109, 110, and 111

- Standards proposed as Certification Standards
- Develop analysis software (similar in concept to longitudinal profiler certification software)
- **Investigate Enhancements to AASHTO R87: Rut and Cross-Slope Definitions**





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