

Asphalt Mixture Performance Tester - Specifications

Asphalt Mixture ETG – April 2015

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AASHTO Standards

- PP 60 Specimen Fabrication
- TP 79 Modulus and Flow Number Testing
- PP 61 Master Curve Development
- AMPT Equipment Specification



PP 60 Specimen Fabrication

- Minor revisions
 - 3.4 consistently use 'end flatness' term
 - 9.6.3 section numbering & Table 1
 - X1.3.2 consistent dimensions (mm)
- Recommend for full standard in 2016



TP 79 Testing Procedures

- Dynamic Modulus
- Flow Number
- Recommend for full standard in 2016

PP 61 Master Curves

- Recommend for full standard in 2016



AMPT Equipment Spec

- Currently 'Equipment Specification for the Simple Performance Test System', Appendix E of NCHRP Report 629
- Proposed standalone AASHTO Provisional Specification (MP-XX)



AMPT Equipment Spec

1. Scope
2. Referenced Documents
3. Terminology
4. General Equipment Requirements
5. Equipment
 - Component elements (8)
6. Calibration and Verification
7. Precision and Bias
8. Documentation
9. Keywords
10. References

AMPT Equipment Spec

- Flow Time – discontinue
- Computations
 - E*: move to Annex of TP 79
 - FN: move within TP 79 from Appendix to Annex
- Calibration – move TP 79 Annex B to standalone equipment specification



Other Standards Impacts

- Adjust equipment specification references
- Cross check for conflicts
- TP 79 & PP 61
- TP 107 – Determining the Damaged Characteristic Curve of Asphalt Mixtures from Direct Tension Cyclic Fatigue Tests
- TP 116 - Rutting Resistance of Asphalt Mixtures using Incremental Repeated Load Permanent Deformation (IRLPD)

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