

LONG TERM PAVEMENT PERFORMANCE
PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program

Program Area: MATERIALS

Directive Number: M-3

Date: July 15, 1993

Supersedes: LTPP M-1 and M-2
SHRP-LTPP-OG-004, 2/91

Subject: Transmittal of Revised Document: *"SHRP-LTPP Interim Guide for Laboratory Material Handling and Testing, Revised and Amended July, 1993"*

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This materials directive No. M-3 transmits a revised version of SHRP-LTPP-OG-004, *SHRP-LTPP Interim Guide for Laboratory Materials Handling and Testing (PCC, Bituminous Materials, Aggregates and Soils)*, dated July, 1993. This version of the Guide (July, 1993) has been revised to add the latest versions of the following protocols:

- Protocol P05, "Moisture Susceptibility of Asphaltic Concrete"
- Protocol P06, "Creep Compliance Testing of Asphalt Concrete"
- Protocol P07, "Resilient Modulus of Asphalt Concrete"
- Protocol P14, "Gradation of Extracted Aggregate from Asphaltic Concrete"
- Protocol P14A, "Fine Aggregate Particle Shape Test"
- Protocol P24, "Viscosity of Asphalt Cement at 77°F with Cone and Plate Viscometer"
- Protocol P33, "Determination of the Resilient Modulus of Asphalt Treated Base/Subbase Materials"
- Protocol P46, "Resilient Modulus of Unbound Granular Base/Subbase and Subgrade Soils"
- Protocol P67, "Determination of the Shear Strength at the Interface of Bonded Layers of Concrete"

Additionally, revisions were made to Appendix A, "Names and Addresses of Appropriate Organizations and Personnel," and Appendix B.2, "Laboratory Test Program by SPS Experiment Type." New data sheets for each protocol listed above were added to Appendix C.2, "Standard Forms for SPS Laboratory Testing."

At this point, all of the protocols necessary for Specific Pavement Studies laboratory testing have been developed with the exception of Protocol P60, "Expansion Index of Subgrade Soils," and

Protocol P63, "Coefficient of Thermal Expansion of PCC." These protocols should be issued in the near future.

Approving Official
Paul Teng, Chief LTPP Division

Enclosure