



U.S. Department
Of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION**: LTPP Directive D-33
Transverse Profile Measurements on LTPP PCC Test Sections

Date: July 7, 2003

From: Jack Springer 
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract
Dr. Frank Meyer, PM - LTPP North Central Regional Contract
Mr. Mark Gardner, PM - LTPP Southern Regional Contract
Mr. Kevin Senn, PM - LTPP Western Regional Contract
Mr. John Hunt, Chief, Engineering Services - CGH Pavement Engineering, Inc.

Attached is the Long Term Pavement Performance (LTPP) Program directive D-33: Transverse Profile Measurement on LTPP PCC Test Sections. The directive addresses taking one round of profile measurements on all LTPP PCC test sections.

Please ensure that all personnel involved with the distress data collection and processing are aware of this new directive.

Should you have any questions or would like to discuss this directive, please do not hesitate to contact me at 202-493-3144.

Attachments



LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program

Program Area: Monitoring

Directive Number: D-33

Date: July 7, 2003

Supersedes: N/A

Subject: Transverse Profile Measurements on LTPP PCC Test Sections.

Effective immediately one round of transverse profile measurements shall be taken on all LTPP PCC (JCP and CRCP) test sections in monitoring category S1, S2 and G, in an effort to determine transverse surface drainage effectiveness. Procedures outlined in Sections 3.3.4 and 3.3.5.5 of the "LTPP Manual for Profile Measurements - Operational Field Guidelines", and directive D-32, or later version, shall be followed. Care should be taken to ensure that all measurements are taken within the lateral extent of the test section measured from the centerline longitudinal joint to the shoulder joint, in accordance with Appendix A of the 'Distress Identification Manual for the Long-Term Pavement Performance Program'. On widened test sections, the lateral extent of the test section includes the full width (4.3 m) of the slab measured from the centerline longitudinal joint to the shoulder joint.

Care must be taken to avoid joints and cracks and any other localized anomaly like patches and surface defects that would cause the measurements to not be representative of the pavements' transverse profile as related to transverse surface drainage effectiveness. Offsets greater than 1 meter are allowed for the purposes of this directive.

If there have been transverse profile measurements on a PCC test section in the past, it does not have to be redone. The intent is to get one round of measurements on all PCC test sections.

This directive will remain in force until further notice or until one round of measurements have been taken on all PCC test sections.

Prepared by: FHWA

Approved by:

Aramis López
LTPP Team Leader