



Memorandum

U.S. Department
of Transportation

6300 Georgetown Pike
McLean, Virginia 22101

**Federal Highway
Administration**

Subject: **ACTION**: LTPP Directive D-28
Distress Measurements on LTPP Test Sections -
Use of Tape Measures and Measuring Wheels

Date: July 1, 2002

From: Jack Springer
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-13

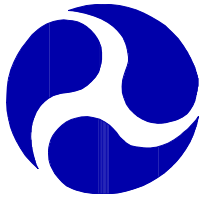
To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract
Mr. Tom Wilson, PM - LTPP North Central Regional Contract
Mr. Mark Gardner, PM - LTPP Southern Regional Contract
Dr. Sirous Alavi, PM - LTPP Western Regional Contract

Attached is the Long Term Pavement Performance (LTPP) Program Directive D-28, which prescribes procedures to be used for measuring point distances with tape measures and measuring wheels on LTPP test sections.

Please make this directive available to all personnel involved in distress data collection and processing.

If you have any questions concerning this transmittal, please do not hesitate to call me at (202) 493-3144.

Attachment



LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program

Program Area: Monitoring

Directive Number: D-28

Date: July 1, 2002

Supersedes: N/A

Subject: Distress Measurements on LTPP Test Sections -
Use of Tape Measures and Measuring Wheels

Effective immediately the following procedures shall be implemented when conducting distress surveys on LTPP Test Sections:

1. The tape measure is the standard method for measuring point distances on LTPP distress surveys.
2. A measuring wheel can be used as an alternative under the following conditions.
 - a. Only wheels with a 12-inch or greater diameter can be used.
 - b. On one-man surveys, a wheel with a kickstand must be used.
 - c. Wheels (and tape measures) must be checked against test sections markings at 0, 30.5, 61.0, 91.5, 122, 152.5 meters and readings adjusted accordingly.
 - d. Wheels should be used to measure point distances and not the dimensions of individual distresses.
 - e. Where discrepancies exist in point distances between the wheel (or tape measure) and test section markings, or previous surveys, of 0.5 meters or greater, the true measurements must be determined.
 - f. Measuring wheel (and tape measure) calibration must be checked annually.

Prepared by: FHWA

Approved by:

Aramis López
LTPP Team Leader