



# Memorandum

U.S. Department  
of Transportation

6300 Georgetown Pike  
McLean, Virginia 22101

**Federal Highway  
Administration**

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Subject: **ACTION**: LTPP Directive D-29  
Distress Measurements on LTPP Asphalt Concrete Test Sections -  
Surface Defects on Preventive Maintenance Treatments

Date: November 14, 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  
Dr. Tom Wilson, PM - LTPP North Central Regional Contract  
Mr. Mark Gardner, PM - LTPP Southern Regional Contract  
Dr. Sirous Alavi, 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-29, which prescribes procedures to be used when conducting distress surveys on LTPP asphalt concrete test sections that have received surface layer preventive maintenance treatments.

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

FHWA:HRDI-13:BBellinger:mad:493-3156:11/14/02

File: c:\mdeeney\directives\distress\D-29.doc

cc:

John Miller (TSSC)

Gonzalo Rada (TSSC)

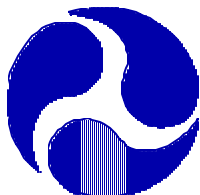
Aramis López

Jack Springer

Directive File

Official File

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## LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



*For the Technical Direction of the LTPP Program*

**Program Area:** Monitoring

**Directive Number:** D-29

**Date:** November 14, 2002

**Supersedes:** N/A

**Subject:** Distress Measurements on LTPP Asphalt Concrete Test Sections -  
Surface Defects on Preventive Maintenance Treatments

Effective immediately the following procedures shall be implemented when conducting distress surveys on LTPP asphalt concrete test sections that have received surface preventive maintenance treatments:

1. Surface defects (ACP 11. Bleeding, ACP 12. Polished Aggregate and ACP 13. Raveling) shall not be rated on pavements with asphalt concrete surfaces that have received a preventive maintenance treatment covering the original pavement surface such as chip seals, slurry seals, fog seals, etc. A list of the applicable LO5 surface layer material codes is attached.
2. Asphalt concrete pavements with surface preventive maintenance treatments that exhibit apparent surface defects should be commented on (ACP 16. Other) with a description of the defect and approximate extent, i.e., "The chip seal has lost most of its aggregate in both wheelpaths for approximately 211 square meters."

All asphalt concrete test sections with surface layer preventive maintenance treatments that have 'Surface Defects' (ACP 11, 12 and 13) data recorded on past surveys shall be changed to 'Other' (ACP 16) with a description of the defect and approximate extent in square meters. All affected map sheets, summaries, CD-Rom disks, files and the database shall be updated with the new information by the December 1, 2003, upload.

Prepared by: FHWA

Approved by:

Aramis López  
LTPP Team Leader

**List of the applicable TST\_LO5 surface layer material codes.**

| List for field MATL_CODE in table TST_LO5 |                                                                   |
|-------------------------------------------|-------------------------------------------------------------------|
| Code                                      | Description                                                       |
| 11                                        | Single Surface Treatment                                          |
| 12                                        | Double Surface Treatment                                          |
| 71                                        | Chip Seal                                                         |
| 72                                        | Slurry Seal                                                       |
| 73                                        | Fog Seal                                                          |
| 81                                        | Chip Seal with Modified Binder (Does not<br>include crumb rubber) |
| 83                                        | Asphalt-rubber Seal Coat                                          |