



Memorandum

U.S. Department
of Transportation

6300 Georgetown Pike
McLean, Virginia 22101

**Federal Highway
Administration**

Subject: **ACTION:** LTPP Directive D-48, Clarification of
LTPP Distress Data Collection Procedures for
Patching and Lateral Extent of Test Sections.

Date: February 25, 2009

From: Jack Springer *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

Attached is Long Term Pavement Performance (LTPP) Program Directive D-48, which presents clarification of LTPP distress data collection procedures for patching and lateral extent of test sections.

Please make this directive available to all personnel involved in distress data collection and processing. Also, all distress identification manuals for the LTPP program, in use, must be annotated with the appropriate clarifications.

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

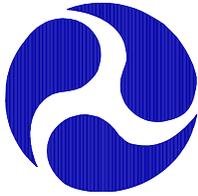
Attachment

FHWA:HRDI-13:BBellinger:mad:202-493-3156: 2/25/09

File: d:\mdeeney\directives\distress\D-48doc

cc:

Amy Simpson (TSSC)
Randy Plett (TSSC)
Jonathan Groeger (TSSC)
Aramis López
Jack Springer
Directive File
Official File
Chron



LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program

Program Area: Monitoring

Directive Number: D-48

Date: February 25, 2009

Supersedes: N/A

Subject: Clarification of LTPP Distress Data Collection Procedures for Patching and Lateral Extent of Test Sections for Survey Purposes

The Patch/Patch Deterioration severity levels criteria for AC, JCP and CRCP in the "Distress Identification Manual for the Long-Term Pavement Performance Program" shall be modified as follows:

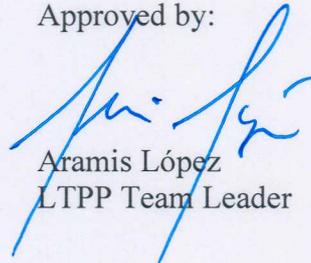
1. Modify the description of Patch/Patch Deterioration (ACP 7) on page 16 to read as follows: "A portion of the pavement surface, greater than or equal to 0.1 m², that has been removed and replaced or additional material applied to the pavement after original construction".
2. Add the following to the low severity criteria for ACP Patch/Patch Deterioration (ACP 7): "no loss of patching material".
3. Modify the description of Patch/Patch Deterioration (JCP 15) on page 56 to read as follows: "A portion, greater than or equal to 0.1 sq m², or all of the original concrete slab that has been removed and replaced, or additional material applied to the pavement after original construction".
4. Add the following to the low severity criteria for JCP Patch/Patch Deterioration (JCP 15): "no loss of patching material".
5. Add the following to the high severity criteria for JCP Patch/Patch Deterioration (JCP 15): "or the patch has additional different patch material within it".
6. Modify the description of Patch/Patch Deterioration (CRCP 11) on page 76 to read as follows: "A portion, greater than or equal to 0.1 sq m², or all of the original concrete slab that has been removed and replaced, or additional material applied to the pavement after original construction".

7. Add the following to the low severity criteria for CRCP Patch/Patch Deterioration (CRCP 11): "no loss of patching material".
8. Add the following to the high severity criteria for CRCP Patch/Patch Deterioration (CRCP 11): "or the patch has additional different patch material within it".

The lateral extent of a test section for survey purposes is defined in Appendix A of the "Distress Identification Manual for the Long-Term Pavement Performance Program" on page 88 and depicted in Figures A1 and A2 on page 89. The lateral extent of an ACP test section will vary depending on the existence of longitudinal construction joints, longitudinal cracks, the edge of the pavement or the relative position of the lane marking. Generally the lateral extent of the test section on ACP is from the outside edge of the edge stripe to the outside edge of the centerline stripe (see Figure A1). The lateral extent of ACP test sections with double yellow lines on the centerline are determined by using the inside yellow line. If a longitudinal construction joint or a longitudinal crack or the edge of the pavement exists outside the stripes within 0.3 meters (1 foot) of the stripes, the lateral extent of the test section is extended to the longitudinal construction joint or the longitudinal crack or the edge of the pavement. All distresses within the lateral extent of the survey are rated. The lateral extent of the test section (test section width) shall be recorded in the comments on map sheet one (1) and entered into the IMS.

Prepared by: LTPP HQ

Approved by:



Aramis López
LTPP Team Leader