

Memorandum

U.S. Department of Transportation

Federal Highway Administration

6300 Georgetown Pike McLean, Virginia 22101

Subject:	<u>ACTION</u> : LTPP Directive GO-67 Policy on Test Section Retention After Construction Events	Date:	February 27, 2018
From:	Jack Springer Long-Term Infrastructure Performance Team	Reply to Attn of:	HRDI-30

To: Mr. Gabe Cimini, PM - LTPP Data Collection Contract

Attached is the Long Term Pavement Performance (LTPP) Program Directive GO-67, which provides policy on test section retention after construction events. This directive supersedes GO-49. The regions should utilize the directive as appropriate. Please ensure that all personnel involved are aware of this new directive.

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

Attachments (1)

FHWA:HRDI-30:JSpringer:JHarris:493-3144:02/27/18 File: M:\LTPP Directives\Distress\GO-67 cc: Jonathan Groeger Directive Binder LTPP Team Official file

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area:	General Operations	Directive Number:	GO-67
Date:	February 27, 2018	Supersedes:	GO-49
Subject:	Policy on Test Section Retention After Construction Events		

As of the issuance date of this directive, an LTPP test section that has either had a layer added, layer removed, layer thickness reduced, substantial patching, or one of the other activities listed below performed on it, shall be taken out of study prior to the construction event, and no further monitoring measurements shall be performed.

Any treatment that requires changes to the layer structure information in the TST_L05B table is a warrant to take a test section out of study.

Substantial patching is defined as any new patching that causes the total area of patching on the test section to exceed 10% of the test section area. This includes the area of previously applied patching. However, sections that currently have more than 10% patching are not included unless new patching is applied.

Other activities such as addition of adjacent lanes or ramps, addition of tied concrete shoulders, lane widening, placement of new subdrainage features, cutting the pavement surface for utilities, construction of an intersection within test section boundaries, and pavement reconstruction are also warrants to take a test section out of study.

Specifically, the occurrence of a construction event that is in the list of LTPP MAINT_WORK codes in Table 1 is a warrant to place an LTPP test section out of study. The notes column indicates actions relative to potential considerations of keeping a test section in study by treatment type.

	Table 1. Construction activities by MAINT_WORK code that can trigger taking a LTPP test section out of study.					
Code	Description	Notes				
4	Full Depth Transverse Joint Repair Patch	Out of study				
5	Full Depth Patching of PCC Pavement Other Than at Joint	Depends on areal extent of combined previous and new patching area				
6	Partial Depth Patching of PCC Pavement Other Than at Joint	Depends on areal extent of combined previous and new patching area				
7	PCC Slab Replacement	Depends on areal extent of combined previous and new patching area				
8	PCC Shoulder Restoration	Depends on type of restoration				
9	PCC Shoulder Replacement	Out of study				
10	AC Shoulder Restoration	Depends on type of restoration				
11	AC Shoulder Replacement	Out of study				
12	Grinding Surface	Depends on depth of grind				
17	Spreading of Sand or Aggregate	Out of study				
18	Reconstruction (Removal and Replacement)	Out of study				
19	Asphalt Concrete Overlay	Out of study				
20	Portland Cement Concrete Overlay	Out of study				
21	Mechanical Premix Patch (using motor grader and roller)	Depends on areal extent of combined previous and new patching area				
22	Manual Premix Spot Patch (hand spreading and compacting with roller)	Depends on areal extent of combined previous and new patching area				
23	Machine Premix Patch (placing premix with paver roller)	Depends on areal extent of combined previous and new patching area				
24	Full Depth Patch of AC Pavement	Depends on areal extent of combined previous and new patching area				
25	Patch Pot Holes - Hand Spread, Compacted with Truck	Depends on areal extent of combined previous and new patching area				
26	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)	Depends on areal extent of combined previous and new patching area				
27	Strip Patching (using spreader and distributor to apply hot liquid asphalt and aggregate)	Depends on areal extent of combined previous and new patching area				
28	Surface Treatment, Single Layer	Out of study				
29	Surface Treatment, Double Layer	Out of study				
30	Surface Treatment, Three or More Layers	Out of study				
31	Aggregate Seal Coat	Out of study				
32	Sand Seal Coat	Out of study				
33	Slurry Seal Coat	Out of study				
37	Dust Layering	Out of study				
38	Longitudinal Subdrains	Out of study				
39	Transverse Subdrainage	Out of study				
43	Hot-Mix Recycled Asphalt Concrete Overlay	Out of study				
44	Cold-Mix Recycled Asphalt Concrete Overlay	Out of study				
45	Heater Scarification, Surface Recycled Asphalt Concrete Overlay	Out of study				
46	Fracture Treatment of PCC Pavement as Base for New AC Surface	Out of study				
47	Fracture Treatment of PCC Pavement as Base for New PCC Surface	Out of study				
48	Recycled Portland Cement Concrete Overlay	Out of study				
50	Joint Load Transfer Restoration in PCC Pavements	Out of study				
51	Mill Off AC and Overlay with AC	Out of study				
52	Mill Off AC and Overlay with PCC	Out of study				
54	Partial depth patching of PCC pavements at joints	Depends on areal extent of combined previous and new patching area				
55	Mill Existing Pavement and Overlay with Hot-Mix Recycled AC.	Out of study				
56	Mill Existing Pavement and Overlay with Cold-Mix Recycled AC.	Out of study				
57	Saw and Seal	Out of study				
58	Mill Existing Pavement and Overlay with Warm Mix AC	Out of study				
59	Warm Mix AC Overlay	Out of study				
60	Warm Mix AC Overlay with RAP and/or RAS	Out of study				
61	Mill Existing Pavement and Overlay with Warm Mix Recycled AC	Out of study				
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For various reasons, other construction events may provide a basis for taking a section out of study as well. Construction activities that require a change in the EXPERIMENT_SECTION table will cause a test section to be placed out of study unless otherwise approved by FHWA.

Prepared by: TSSC

Approved by:

Jean Nehme LTIP Team Leader