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6/14/19

AASHTO Hot-Mix Checklist T 324 Hamburg Wheel-Track Testing of Compacted Asphalt Mixtures

Procedure		P	F	NA
1	Have compacted samples ready to be loaded into the testing machine.	✓		
1a	Gyratory specimens compacted to what height and what air void content? 38 to 100 mm height and 7.0 +/- 0.5 air voids.	✓		
1b	How large can the gap between the sawed specimens be when placed together in the molds? No larger than 7.5 mm.	✓		
2	Place the mounting tray with the test specimens into the wheel tracker and secure by hand-tightening the bolts.	✓		
3	Turn the wheel tracker and computer on. Enter the pertinent project information.	✓		
4	Select test temperature, maximum rut depth, and maximum number of passes based on specifications.	✓		
5	Start delay of 45 minutes entered to allow the specimen time to reach test temperature.	✓		
6	Run test in Auto mode. Press start button and the start delay time or preconditioning time will start after the water heats to test temperature.	✓		
7	Lower wheel onto test specimen.	✓		
8	Test shuts off automatically when predetermined number of passes is reached or if the test has reached the maximum impression depth.	✓		
9	Raise wheel and remove tray and specimens.	✓		
9a	How will the wheel tracker be prepared for the next test? Drain water bath, clean bath, heating coils, wheels, etc. with water and a brush. Do not use solvents to clean water bath. Turn the wheels after each test, so the same section of the wheel surface is not in contact with the test specimen from test to test.	✓		
10	Report rut depth at predetermined pass count, or passes at maximum impression. Show print out of graph. Show print out of creep slope, strip slope, and stripping inflection point if needed.	✓		

Remarks: A 60 mm sample used in this demonstration. The load on the wheel was 705 ± 4.5 N (158 ± 1.0 lb). The bath temp was 50°C (122°F).

PG64-22OK = 10K Passes

PG70-28OK = 15K Passes

PG76-28OK = 20K Passes

Rut Test

Rut Test Report

LEFT

5,000	-1.65
10,000	-1.99
15,000	-2.10
N/A	N/A
Tested	5,6,7

☐ Full Data Set ☒ Mid Point Data Set ☐ Fail Point Data Set

Full Report Rut Data Close

WheelTracker Report

Project Name:	S3pv0441901100	Date:	6/14/2019
Project Number:	VPO	Date Sampled:	6/14/2019
Job Number:	2 - 27	Lab Number:	n/a
Project Engineer:	n/a	Mix Type:	Binder
Submitted By:	Highway Contrs.	Asphalt Grade:	PG 70-28
Temperature:	50	Pit Source:	LS S&G, XIT
Comments:			

Max Impression:

Left

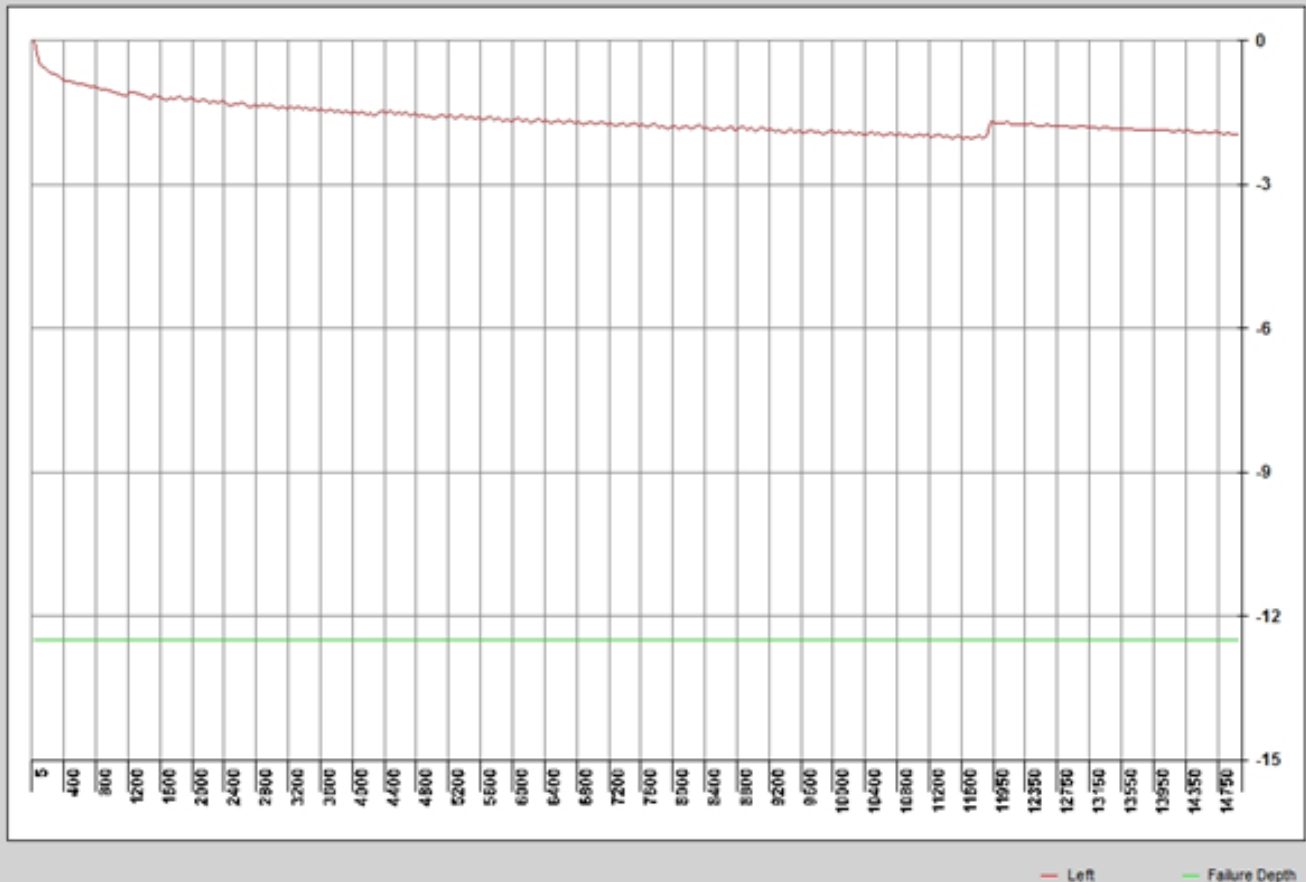
-2.05 mm

Pass #: 11700 / Pt: 6

Fail Depth: 12.5mm

PASS

PMW WheelTracking Test



CC: