

Id: U Nott-PTF	Pavement Test Facility	Nottingham
Institution: University of Nottingham		United Kingdom

Type: Linear Test Track

Construction (commissioned): 1975



Dimensions

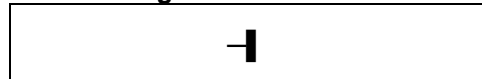
Pavement length	4 m
Useful testing length (at constant speed)	4 m

Loading

Range of Load ^(*)	10-30 kN
Transverse distribution	± 300 mm
Loading direction	⇔ ⇐

^(*) Wheels loads (half axle) are converted to the corresponding axle loads.

Axle configuration



Speed

Vehicle Speed (max.)	12 km/h
Test frequency (max.) (passes/hour/section)	800
Practical output (loadings/month/section)	111.000

Sections

No. of Sections	2
Thickness	1400 mm
Width	2400 mm

Measured Variables

	Surface	Asphalt	Unbound Layers	Subgrade
Temperature		x		
Moisture content				
Suction				
Deflection (transient)				
Vertical Stress			x	x
Horizontal Stress			x	x
Vertical Strain			x	x
Horizontal Strain		x	x	x

Environmental control

Placement	Indoors
Air temperature	→
Pavement temperature	↑* or →
Air moisture	-
Freeze-thaw cycles	-
Water table	-
Rainfall	-

← monitored
 ↑ partially controlled
 ↑* indirect control (air temperature)
 → totally controlled

Contact people: · Barry BRODRICK (barry.brodrick@nottingham.ac.uk)