

Id: PWRI		Tsukuba
Institution: Materials and Geotechnical Engineering Research Group of PWRI		Japan

Type: Linear Reciprocating Test Track

Construction: 2001



Dimensions

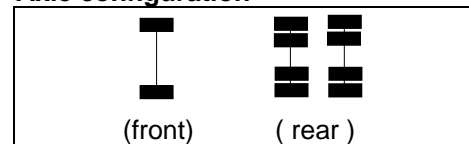
Pavement Length	160 m
Useful testing length (at constant speed)	60 m

Loading

Range of Load ^(*)	45-125 kN
Transverse distribution	± 250 mm
Loading direction	↔

^(*) axle loads

Axle configuration



Speed

Vehicle Speed (max.)	30 km/h
Test frequency (max.) (vehicles/hour/section)	120
Practical output (49kN equivalent wheel loads /month/section)	180,000

Sections

No. of Sections	6
Thickness	free
Width	4,000 mm

Measured Variables

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

Environmental control

Placement	Outdoors
Air temperature	®
Pavement temperature	®
Air moisture	®
Freeze-thaw cycles	—
Water table	—
Rainfall	®
Ultra-Violet rays	@

- © total control
- @ partial control
- @* indirect control (air Temp.)
- ® registered

Contact people:

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Brief description of Topics/Tests carried out during recent years
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Ultra-thin white topping

Porous elastic road surface

Wood ceramics brick pavement
