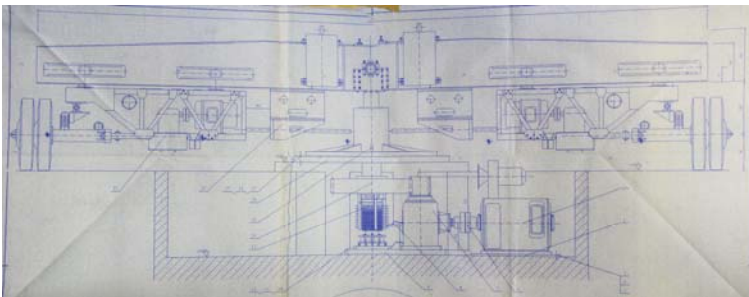


Id: CCRDI_CTT		Chongqing
Institution: Chongqing Communications Research & Design Institute		China

Type: Circular Test Track Construction (commissioned): constructed in 1984 and upgraded in 1999)



Dimensions

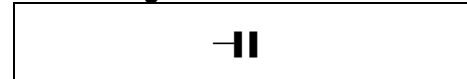
Mean diameter	10.5 m
No. of arms	2

Loading

Range of Load ^(*)	100-150 kN
Transverse distribution	± 500 mm

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

Axle configuration



Speed

Vehicle Speed (max.)	60 km/h
Test frequency (max.) (passes/hour/section)	3600
Practical output (loadings/month/section)	400 000

Sections

No. of Sections	2~8
Thickness	2000 mm
Width	3500 mm

Measured Variables

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

Environmental control

Placement	Indoors
Air temperature	®
Pavement temperature	®
Air moisture	-
Freeze-thaw cycles	-
Water table	© or ®
Rainfall	®

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

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Brief description of Topics/Tests carried out during recent years

In order to analyze the developing laws of perpetual deformation of different structure layers in the flexible and semi-rigid base asphalt pavements, a total of 3 sections have been tested, including different thicknesses of asphalt pavements and different type of base in 2003 to 2005 years.

In recently, there is a new test with 8 sections which is carrying out. The intention of the test are to research the possibility of the use of local limestone and gritstone in surface asphalt pavement and the adaptability of different pavement structure for expressway of Chongqing.