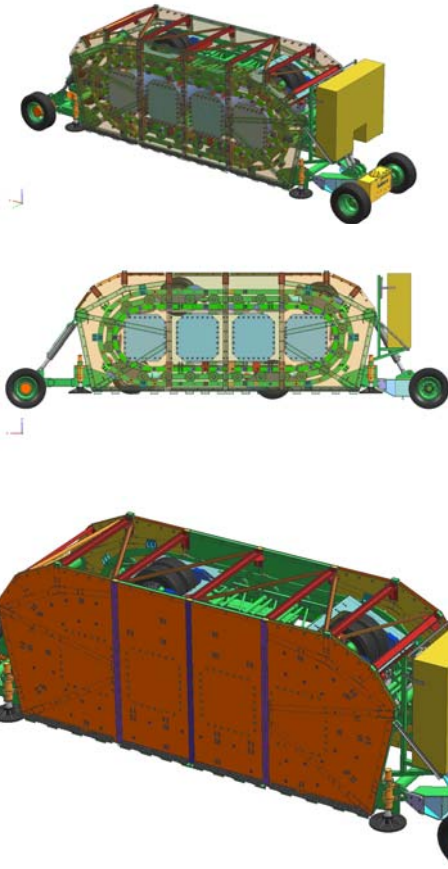


Id: MLS-BASt	MLS10	Bergisch Gladbach
Institution: Federal Highway Research Institute / Bundesanstalt für Straßenwesen		Germany

Type: Mobile Linear Test Track

Construction (commissioned): 2008



Dimensions

Pavement length	4.2 m
Useful testing length (at constant speed)	4.0 m

Loading

Range of Load ^(*)	60-160 kN
Transverse distribution	± 500 mm
Loading direction	⇒

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

Axle configuration

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Speed

Vehicle Speed (max.)	22 km/h
Test frequency (max.) (passes/hour/section)	6000
Practical output (loadings/month/section)	2 400 000 (24h ops)

Sections

No. of Sections	1
Thickness	not appl.
Width	not appl.

Measured Variables

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

Environmental control

Placement	Outdoors
Air temperature	@
Pavement temperature	@
Air moisture	-
Freeze-thaw cycles	-
Water table	®
Rainfall	©

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

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