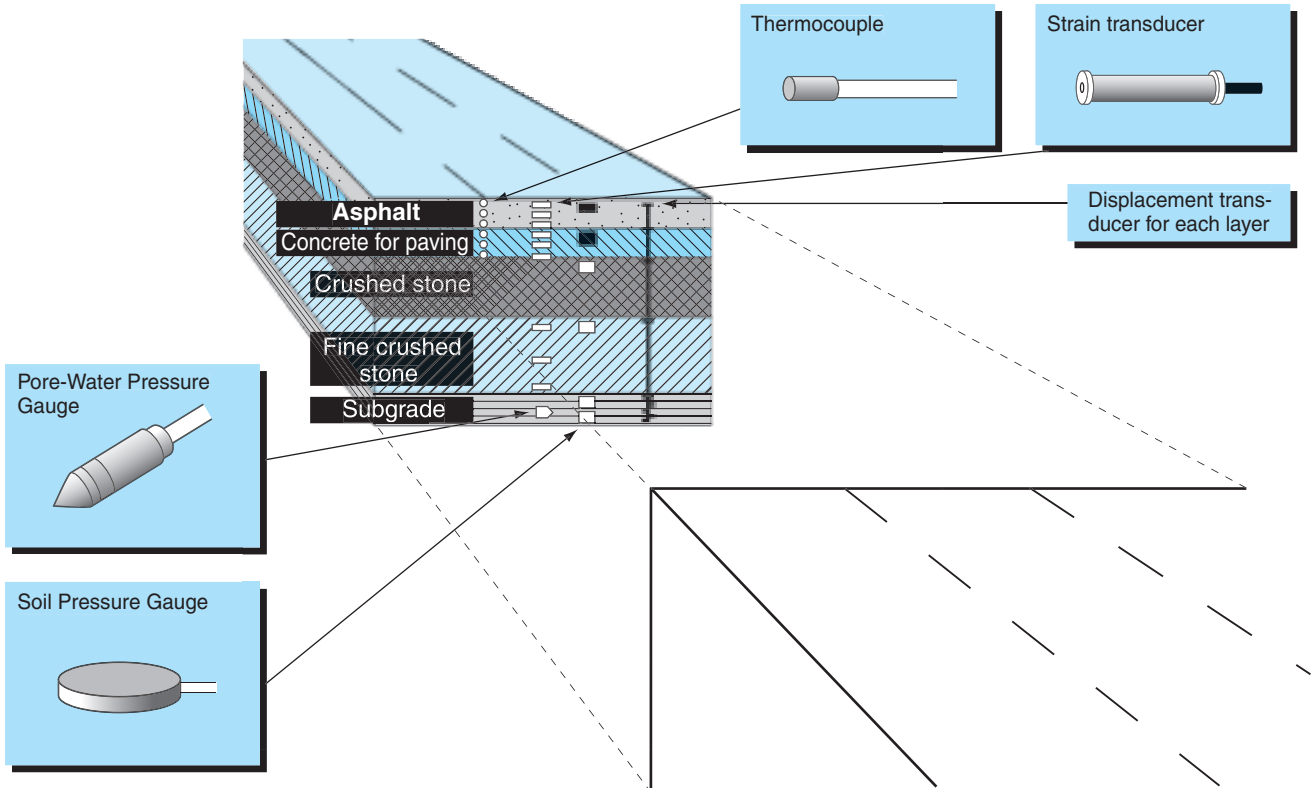


4 Test Pavement measurement

During pavement construction, driving tests, loading tests, and long-period deterioration tests are conducted using various types of sensors to check the degree of fatigue in relation to the load bearing capacity.



A list of Measuring Instruments

Measurement items	Instruments	Type	Description
Soil pressure of subbase course	Soil pressure gauge	KDA-PA, KDC-PA, KDL-PA	Measures soil pressure of each layer.
Strain of pavement body	Strain transducer	KM-B/-BS1/-HBS2	Measures strains after curing and also in curing process.
Settlement of each layer	Displacement transducer for each layer	To order	Installs a settling plate on the top of each layer and measures a relative displacement between each layer.
Pore pressure of subbase course	Pore pressure gauge	KPB-PA, KPD-PA	Embedded in subgrade and measures pore pressure.
Temperature of pavement	Thermocouple Temperature gauge	T KT-A	Measures inside and outside temperature.
Strain distribution of pavement	Surface strain gauge	SSM-360	Measures distribution of strains generated on the surface.

Measurement System Block Diagram

