

Our Road Conditions

Roughness

A functional condition parameter derived from the longitudinal profile of the road that characterises deviations in the profile that effect passenger vehicle dynamics (and hence road user costs), ride quality and dynamic pavement loading.

Rutting

The longitudinal vertical deformation of a pavement surface in a wheelpath, measured relative to a straight edge placed at right angles to the traffic flow and across the wheelpath, with a length/width ratio greater than 4:1.

Surface Texture

A condition parameter to characterise the average height between peaks and troughs in the pavement surface. Macrotexture depth is usually the reported condition parameter for surface texture.

Cracking

A pavement surface defect identified by vertical splitting of the pavement material due to the action of traffic loading, environmental stress and material characteristics. It is usually identified as visible discontinuities at the surface, not necessarily extending through the entire thickness of the pavement.

Edge Break

A pavement surface defect in which the edge of the bituminous surface is fretted, broken or irregular.

Shoving

Lateral displacement of pavement structure by braking, accelerating or turning vehicles.

Flushing

A pavement surface defect in which the binder is near the top of the aggregate particles. There is minimal surface texture. In severe cases, the bitumen covers the aggregate.

Stripping

The loss of wearing surface aggregate from the pavement surface, caused by the abrasive action of traffic, often in the presence of water, in sprayed seal roads.

Ravelling

A pavement surface defect involving progressive disintegration of the pavement surface through loss of both binder and aggregate usually under traffic in asphalt surfaces.

Potholes

A hole in the surface of a pavement, frequently round in shape, typically 300 mm in diameter with a minimum depth of 30 mm, initiated from surface cracking that has resulted in the loss of surface and some base pavement material under traffic causing a safety hazard to traffic.

