

Performance Standard of Road Elements

Performance standards

- **Road** - There are no small landslides (less than 5 cubic metres) or other obstacles on the road surface, road shoulder, or side drains. In the case of large landslides (more than 5 cubic metres), these have been reported to the DDC/DTO. Vehicles are able to pass and water does not flow over the road.
- **Earthen or gravel surface** - There are no potholes larger than 30 centimetres, no ruts, rills or gullies deeper than 5 centimetres, and no corrugation with more than 5cm height difference. Repairs to gravel surfaces have been made using suitable gravel material. In areas subject to longitudinal erosion, diagonal diversion ditches have been created at regular intervals to guide the water away from the road. Where water crosses the road, stone-paved drifts have been created. In case of stone pitching, the stones are well anchored in the ground, do not stick out, and there are no missing stones. Water does not flow over or remain on the road.
- **Road shoulder** - There are no potholes larger than 30 centimetres and no ruts or rills deeper than 5 centimetres. Water does not flow over or remain on the road shoulder.
- **Drains** - Less than one-quarter of the cross section at any point in the side drain is blocked. The drain is at least 15 cm wide and 10 centimetres below the road surface. There are no sharp curves in the drain and the drain has a proper outlet. Water can flow freely through the side drain, and there is no erosion of the drains. Water does not flow over the road surface or shoulder.
- **Culverts** - Less than one-quarter of the culvert height at any point in the culvert is blocked, the inlet and outlet are clear, water can flow freely through the culvert, and there is no erosion at the inlet or outlet. The backfill over the culverts is at least one-quarter of the culvert diameter.
- **Bridges** - Less than one-tenth of the cross section of the bridge is blocked, the areas 5 metres on either side of the bridge are clear of obstructions, water can flow freely under the bridge, and there is no erosion of the bridge structure.
- **Vegetation** - Vegetation within 1 metre of the road is less than 30 centimetres high (except trees), vegetation protruding over the road is at least 2.50 metres above the road surface, and the flow of water away from the road is not restricted. Vegetation on slopes is not removed, only cut short.
- **Traffic signs and road furniture** - All traffic signs and road furniture are clean and legible. Sign posts are straight and well anchored in the ground. Any damaged or missing signs have been reported to the DDC/DTO.
- **Retaining walls and structures** - The retaining walls and structures are stable and the area behind them is compacted. There are no loose stones or other damage to the retaining walls, and weep holes are clear. There is no damage by erosion undermining the retaining walls and structures. Large damage to retaining walls and structures has been reported to the DDC/DTO.
- **Slopes** - The slopes and road shoulders prone to erosion have been planted with vegetative material. The plants are not dried out and well anchored to the soil. There are no loose stones or other material on the slopes and road side slope should be in stable condition.