

Abbreviations

Organisations

AID	Agency for International Development
AASHO	American Association of State Highway Officials
AASHTO	American Association of State Highway and Transportation Officials
ARRB	Australian Road Research Board
ASIST	Advisory Support Information Services And Training (For Employment-Intensive Infrastructure)
ASTM	American Society for Testing and Materials
CAPSA	Conference on Asphalt Pavements for Southern Africa
CEBTP	Centre Experimental de Recherches et D'études du Batiment et des Travaux Publics
CSIR	Council for Scientific and Industrial Research
CSRA	Committee of State Road Officials
DFID	Department for International Development
DLO	Direct Labour Organisations
DoR	Department of Roads
ILO	International Labour Organisation
IRF	International Road Federation
MOW	Ministry of Works
NAASRA	National Association of Australian State Road Authorities
NIRR	National Institute for Road Research
NITRR	National Institute for Transport and Road Research
NORAD	Norwegian Agency for International Development
NPRA	Norwegian Public Roads Administration
NRRL	Norwegian Road Research Laboratory
NSW	New South Wales (Australia)
ODA	Overseas Development Administration
PIARC	Permanent International Association of Road Congresses (World Road Association)
RA Board	Roads Agency Board
RF Board	Road Fund Board
SABITA	Southern Africa Bitumen and Tar Association
SADC	Southern Africa Development Community
SADCC	Southern African Development Coordination Conference
SAICE	South African Institution of Civil Engineering
ATC	Annual Transportation Conference
SANRA	South African National Roads Agency
SATCC	Southern Africa Transport and Communications Commission
SIDA	Swedish International Development Agency
TANROADS	Tanzania National Roads Agency
TRB	Transportation Research Board
TRL	Transport Research Laboratory
TRRL	Transport and Road Research Laboratory
UK	United Kingdom
UN	United Nations
UNESCO	United Nations Educational Scientific & Cultural Organisation
USA	United States of America
WA	Western Australia

Abbreviations

Technical

AADT	Annual Average Daily Traffic
AIV	Aggregate Impact Value
AC	Asphalt Concrete
ACV	Aggregate Crushing Value
ADT	Annual Daily Traffic
BCR	Benefit Cost Ratio
BOQ	Bill of Quantities
BS	British Standards
CBA	Cost-benefit analysis
CaSE	Cost and Safety Efficient Design
CBR	California Bearing Ratio
CEO	Chief Executive Officer
DMI	Durability Mill Index
elv	Equivalent Light Vehicles
DCP	Dynamic Cone Penetrometer
E_c	Elastic Stiffness
EIA	Environmental Impact Assessment
EIS	Environmental Impact Statement
ESA	Equivalent Standards Axle (based on 80 kN standard)
FACT	Fines Aggregate Crushing Test
FMC	Field Moisture Content
FWD	Falling Weight Deflectometer
GDP	Gross Domestic Product
HDM-4	Highway Development and Management Model-4
HIV/AIDS	Human Immune Deficiency Virus/Acquired Immune Deficiency Syndrome
HVR	High-volume road
HVS	Heavy Vehicle Simulator
HVSR	High-volume Sealed Roads
IQL	Information Quality Level
IRAP	Integrated Rural Accessibility Planning
IRI	International Roughness Index
IRR	Internal Rate of Return
KPI's	Key Performance Indicators
LAA	Los Angeles Abrasion
LBM	Labour Based Methods
LVR	Low-volume Road
LVSR	Low-volume Sealed Road
MC	Moisture Content
MDD	Maximum Dry Density
NMT	Non Motorised Traffic
NPV	Net Present Value
OMC	Optimum Moisture Content
ORN	Overseas Road Note (TRL series of publications)
PI	Plasticity Index
PSD	Passing Site Distance
PSV	Polished Stone value
R & W	Riedel and Weber
RED	Road Economic Decision model

RM	Routine Maintenance
RMI	Road Maintenance Initiative
RMS	Road Management Systems
RTIM	Road Transport Investment Model
RTRN	Regional Trunk Road Network
SAMDM	South African Mechanistic Design Method
SFRDP	Secondary Feeder Road Development Programme
SSATP	Sub-Saharan Africa Transport Program
SSD	Stopping Sight Distance
TBM	Texas Ball Mill
TMH	Technical Methods for Highways
TRH	Technical Recommendations for Highways
TTC	Travel Time Cost
VCI	Visual Condition Index
VOC	Vehicle Operating Costs
vpd	Vehicles per day

Abbreviations

Units

Hr	Hour
Kg	Kilogram
Km, m, cm, mm	Kilometre, metre, centimetre, millimetre
kPa	Kilo-Pascal
kN	Kilo-Newton
Km/h	Kilometre per hour
m ² , m ³	Square metre, cubic metre
Veh-km	Vehicle kilometre
Yr	Year

