



SHAPING OUR  
TRANSPORT  
FUTURE

# Australian Transport Index Thesaurus

Compiled by  
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and Tony Mason  
M G Lay Library

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## FOREWORD

This Thesaurus is designed to assist Australian researchers to access Australian and overseas literature on land transport. However, it may also be useful to those involved in metadata and knowledge management within the land transport arena.

Preferred terms have largely been chosen to reflect Australian usage. Terms from the Thesaurus are used when indexing the *Australian Transport Index* (ATRI) database. From September 2012, ATRI was made freely available within the US Transportation Research Board's TRID database (<https://trid.trb.org>), and ATRI records can be searched within TRID using terms from either the ATRI Thesaurus or US Transport Research Thesaurus.

This edition of the Thesaurus is a revision of the 2017 'Australian Transport Index Thesaurus' published by ARRB Group Ltd (ISBN 1 876592 84 4).

As the origins of the *Australian Transport Index* were as a database of information on roads only, you will find that the Thesaurus has a concentration of terms relating to road-based transport issues. The addition of broader transport research terms and relationships over recent editions however has greatly increased its coverage of non-road transport modes.

This thesaurus does offer selected scope notes but if you are seeking definitions of terms, we recommend the *Glossary of Austroads Terms*, published by Austroads, Sydney, Australia, and currently in its 6<sup>th</sup> edition.

The continued maintenance of this Thesaurus is supported by the National Interest Services (NIS) program members:

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- Transport for NSW, New South Wales
- Department of Infrastructure, Planning and Logistics, Northern Territory
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- Main Roads Western Australia
- Department of Planning, Transport and Infrastructure, South Australia
- Department of State Growth, Tasmania
- Department of Transport, Victoria

As with previous editions, terms have been added and revised to address new sector developments. Since the Thesaurus is reviewed on a regular basis, comments, questions and suggestions are always welcome.

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## INTRODUCTION

Keywords in this Thesaurus are referred to as preferred terms. Preferred terms are used in indexing the Australian Transport Index (ATRI) and are shown in bold type. Non-preferred terms are not used for indexing and are shown in *italics*; their role in the Thesaurus is to lead to the preferred term. Terms in the Thesaurus are listed in a single alphabetical sequence and appear in word-by-word order, so that **Access road** appears before **Accessibility**.

### a) Preferred Terms

The Thesaurus illustrates hierarchical relationships between preferred terms so that broader, narrower and related aspects of a topic are presented, for example:

#### **Mastic asphalt**

BT: Pavement materials

NT: Stone mastic asphalt (SMA)

RT: Asphalt

Bitumen

Preferred terms may have a number of associated terms, which are designated by the following codes:

SN: Scope note

UF: Used for

BT: Broader term

NT: Narrower term

RT: Related term

### b) Non-Preferred Terms

Non-preferred terms are used to lead to the appropriate preferred term. They are always followed by a 'USE:' statement and do not carry BT, NT or RT relationships, for example:

*Restaurant*

USE: **Licensed premises**

### c) Explanation of Codes Used With Preferred Terms

SN: SCOPE NOTES

Scope notes are included for some keywords to clarify their meaning or the context in which they are to be used, for example:

#### **Age**

SN: This term may be used generally, for both people and objects

#### UF: USED FOR

This indicates the preferred term to be used in preference to the term(s) following it, for example:

##### **Departure time**

UF: *Time of departure*

*Time of trip*

The terms *Time of departure* or *Time of trip*, indicate that these are non-preferred and will lead you via a USE statement to **Departure time** as the preferred term.

#### BT: BROADER TERM

Broader terms are more general concepts or classes within which the preferred term belongs. Note that the broader term is also a preferred term in its own right, so can also be used, for example:

##### **International tourist**

BT: Tourist

#### NT: NARROWER TERM

A narrower term is a more specific concept or a part of the preferred term. Note that the narrower term is also a preferred term in its own right, for example:

##### **Weather**

NT: Dryness

Fog

Ice

Rain

Snow

Temperature

Wind

## RT: RELATED TERM

A related term is a concept which is closely related but is not part of the same subject hierarchy. Related terms are also preferred terms in their own right, for example:

### **Intellectual property**

RT: Copyright

Innovation

Knowledge

Patent

### **d) Form of Terms**

Terms in the Thesaurus are usually nouns or noun phrases, although a small number of concepts are conveyed by adjectives (e.g. **Interurban**). Nouns and noun phrases are used in the singular (e.g. **Port**) except in those cases where logic requires the use of a plural (e.g. **Research needs**).

Abbreviations and acronyms are generally spelt out in full as preferred terms. Common abbreviations and acronyms have entries as non preferred terms, for example:

VOC

USE: Vehicle operating costs

### **e) Proper Noun Hyphens**

The only instance where hyphens can be used is when the term is a proper noun. Hyphens cannot be used with regular nouns. Examples of proper nouns that use hyphens in the Thesaurus include:

O-Bahn

P-Plate

CD-ROM

*New Terms*

Antenna

*App – Use: Computer program*

Ballast

Bikeability

Bogie

Built environment

*Camera – Use: Photography*

Carriage

Catenary

Derailment

Electromagnet

Energy generation

Grinding (railway track)

Haptics

Heavy haul

Inspection

International

Mobile device

Monorail

Non driving related activity

Odometer

Overhead contact

Pantograph

Pedestrian vehicle conflict

Professional driver

Railway platform

Rolling contact

Rolling stock

*Self consolidating concrete – Use: Self compacting concrete*

Self repairing

Solar energy

Spatio temporal analysis

Switch

Take over request (TOR)

Time to collision (TTC)

Vehicle relocation

Vehicle trajectory

Wagon

*Well-being – Use: Quality of life*



**AAR**

USE: Alkali aggregate reaction

**AASHO road test**

BT: Test method  
RT: Pavement design  
Pavement testing  
Vehicle pavement interaction

**Abdomen**

BT: Human body

**Aboriginal**

USE: Indigenous Australian

**Aborigines**

USE: Indigenous Australian

**Abrasion**

USE: Wear

**ABS**

USE: Anti lock braking

**Absorption**

BT: Chemical reaction  
RT: Acoustics  
Adsorption  
Energy absorption

**Abutment**

BT: Bridge foundation

**ACC**

USE: Adaptive cruise control (ACC)

**Accelerated loading facility (ALF)**

UF: ALF  
BT: Test rig  
RT: Accelerated testing  
Pavement testing  
Repetitive loading

**Accelerated testing**

BT: Test method  
RT: Accelerated loading facility (ALF)

**Acceleration**

BT: Vehicle dynamics  
NT: Lateral acceleration  
RT: Car following  
Deceleration  
Driving cycle

**Accelerator (concrete)**

USE: Hardening

**Accelerator (vehicle)**

BT: Vehicle component

**Access management**

RT: Access road  
Driveway  
Entrance  
Exit  
Traffic control  
Traffic management

**Access road**

UF: Approach road  
Ramp  
Slip road  
BT: Road type  
RT: Access management  
Bridge  
Entrance  
Exit  
Freeway  
Interchange

**Accessibility**

RT: Community transport  
Disabled person  
Mobility  
Transport facilities  
Transport planning  
Vehicle design

**Accident**

USE: Crash

**Accounting**

BT: Economics  
RT: Budget  
Management

**Accreditation**

UF: Certification  
RT: Compliance  
Contract  
Education  
Quality control

**Accuracy**

UF: Precision  
RT: Calibration  
Error

**Acid**

UF: Acidic

**Acidic**

USE: Acid

**Acoustic emission**

RT: Material testing  
Noise  
Test  
Test method

*Acoustic signal*

USE: Audible signal

**Acoustics**

RT: Absorption  
Hearing  
Noise

**Active travel**

NT: Cycling  
Walking  
RT: Non motorized transport

**Activity report**

RT: Annual report  
Research and development

**Adaptation**

SN: Use this keyword for matters relating to people. For changes to physical objects use Adjustment  
BT: Psychology

**Adaptive cruise control (ACC)**

UF: ACC  
BT: Intelligent transport systems (ITS)  
RT: Automated highway systems (AHS)  
Intelligent speed adaptation (ISA)  
Speed control

**Addiction**

UF: Drug abuse  
RT: Alcohol usage  
Drug

*Additive*

USE: Admixture

**Adhesion**

RT: Binder  
Bond  
Delamination  
Pull out test  
Reinforcement  
Stripping  
Surfactant

*Adhesion agent*

USE: Surfactant

**Adhesive**

UF: Glue  
RT: Epoxy resin

**Adjustment**

RT: Variability

**Admixture**

UF: Additive  
NT: Plasticizer  
Retarder  
RT: Concrete  
Mixture  
Styrene butadiene styrene (SBS)

**Adolescent**

UF: Teenager  
RT: Age  
Young driver  
Young person

*Adolescent driver*

USE: Young driver

*ADP*

USE: Data processing

**Adsorption**

BT: Chemical reaction  
RT: Absorption

**Adult**

RT: Age  
Parent

**Advanced driver information systems (ADIS)**

BT: Driver information  
Intelligent transport systems (ITS)  
RT: Advanced traveler information systems (ATIS)  
Human machine interface

**Advanced driver training**

BT: Driver training

**Advanced public transportation systems (APTS)**

BT: Intelligent transport systems (ITS)  
Public transport  
RT: Advanced traveler information systems (ATIS)

**Advanced traffic management systems (ATMS)**

BT: Intelligent transport systems (ITS)  
Traffic management

*Advanced transport telematics*

USE: Intelligent transport systems (ITS)



### Advanced traveler information systems

#### (ATIS)

- BT: Intelligent transport systems (ITS)  
Travel information
- RT: Advanced driver information systems (ADIS)  
Advanced public transportation systems (APTS)  
Crash avoidance system  
Human machine interface

### Advanced vehicle control systems (AVCS)

- UF: Vehicle control
- BT: Intelligent transport systems (ITS)
- NT: Take over request (TOR)
- RT: Automated highway systems (AHS)  
Autonomous vehicle  
Vehicle electronics

### Advertising

- RT: Marketing  
Public relations  
Publicity  
Road user education  
Roadside

### Aerial photography

- UF: Air photo
- RT: Photogrammetry  
Photography  
Road planning  
Surveying  
Terrain

### *Aerial surveying*

- USE: Photogrammetry

### *Aerodrome*

- USE: Airport

### Aerodynamic device

- UF: Aerodynamic drag reduction  
Drag reduction
- BT: Vehicle component
- RT: Aerodynamics

### *Aerodynamic drag reduction*

- USE: Aerodynamic device

### Aerodynamics

- UF: Motor vehicle aerodynamics  
Vehicle aerodynamics
- RT: Aerodynamic device  
Wind

### *Aeroplane*

- USE: Aircraft

### *Aesthetic nuisance*

- USE: Visual intrusion

### Aesthetics

- UF: Esthetics
- RT: Landscaping  
Visual intrusion

### Age

- SN: This term may be used generally, for both people and objects
- BT: Driver characteristics  
Material properties  
Road user characteristics
- NT: Minimum drinking age
- RT: Adolescent  
Adult  
Aged driver  
Aged person  
Child  
Infant  
Young driver  
Young person

### *Aged*

- USE: Aged person

### Aged driver

- UF: Elderly driver  
Old driver
- BT: Aged person  
Driver
- RT: Age  
Driver characteristics  
Driving cessation

### Aged person

- UF: Aged  
Elderly people  
Elderly person  
Old person
- NT: Aged driver
- RT: Age  
Mobility  
Transport disadvantaged  
Vulnerable road user  
Vulnerable transport user

### Ageing

- SN: For human ageing, use Aged person, or Aged driver
- UF: Ageing strength
- BT: Chemical reaction

### *Ageing strength*

- USE: Ageing

**Aggregate**

BT: Pavement materials  
 NT: Calcined aggregate  
 Coarse aggregate  
 Filler  
 Gravel  
 RT: Alkali aggregate reaction  
 Angularity  
 Chippings  
 Crushed stone  
 Drying  
 Expansive clay  
 Fines  
 Los Angeles test  
 Particle size distribution  
 Polished stone value  
 Polishing  
 Sand  
 Sieving

**Aggressiveness**

UF: Road rage  
 BT: Attitude

*Aggressivity*

USE: Corrosion  
 Vehicle aggressivity

**Agriculture**

BT: Land use  
 RT: Rural area

**Air**

UF: Atmosphere  
 NT: Compressed air  
 RT: Gas  
 Ozone  
 Wind

**Air bag**

UF: Airbag  
 BT: Restraint

**Air brake**

UF: Air disc brake  
 BT: Brake

*Air disc brake*

USE: Air brake

**Air entrained concrete**

UF: Air entraining agent  
 BT: Concrete

*Air entraining agent*

USE: Air entrained concrete

*Air force*

USE: Military

**Air fuel mixture**

RT: Combustion  
 Engine design

*Air photo*

USE: Aerial photography

**Air pollution**

UF: Atmospheric pollution  
 BT: Pollution  
 RT: Carbon dioxide  
 Combustion  
 Smog  
 Vehicle emissions  
 Ventilation

**Air transport**

BT: Transport mode  
 RT: Aircraft  
 Airport

*Air voids*

USE: Porosity

*Airbag*

USE: Air bag

**Aircraft**

UF: Aeroplane  
 Airplane  
 Helicopter  
 VTOL  
 BT: Vehicle type  
 RT: Air transport  
 Vehicle pavement interaction

*Airfield*

USE: Airport

*Airforce*

USE: Military

*Airplane*

USE: Aircraft

**Airport**

UF: Aerodrome  
 Airfield  
 RT: Air transport  
 Runway

**Alcohol**

SN: Do not use for alcohol usage or  
 blood alcohol content  
 BT: Fuel  
 NT: Ethanol  
 Methanol  
 RT: Alternative fuel



**Alcohol availability**

RT: Alcohol usage  
Licensed premises

*Alcohol breath test*

USE: Breath test

*Alcohol consumption*

USE: Alcohol usage

**Alcohol drug interaction**

RT: Alcohol usage  
Drug  
Physiology

**Alcohol effects**

UF: Effects of alcohol  
BT: Medical aspects  
RT: Alcohol usage  
Driver performance  
Drug effects  
Physiology

*Alcohol impaired driver*

USE: Drink driving

**Alcohol usage**

UF: Alcohol consumption  
Drinking  
RT: Addiction  
Alcohol availability  
Alcohol drug interaction  
Alcohol effects  
Blood alcohol content  
Designated driver  
Drink driving  
Drug

*Alcometer*

USE: Breathalyzer

*Alertness*

USE: Attention

*ALF*

USE: Accelerated loading facility (ALF)

**Alignment**

BT: Geometric design  
Terrain  
RT: Road location

*Alignment (wheel)*

USE: Wheel alignment

**Alkali**

UF: Alkaline  
RT: Salt

**Alkali aggregate reaction**

UF: AAR  
BT: Chemical reaction  
RT: Aggregate

**Alkali silica reaction**

UF: ASR  
BT: Chemical reaction  
RT: Silica fume

*Alkaline*

USE: Alkali

*All terrain vehicle*

USE: Off road vehicle

*Alliance*

USE: Partnership

**Alloy**

BT: Metal  
RT: Steel

**Alternative fuel**

BT: Fuel  
RT: Alcohol  
Biofuel  
Compressed natural gas (CNG)  
Diesel fuel  
Energy conservation  
Hydrogen  
Liquefied natural gas (LNG)  
Liquefied petroleum gas (LPG)

**Aluminium**

UF: Aluminum  
BT: Metal

*Aluminum*

USE: Aluminium

*Amber light*

USE: Yellow light

**Ambulance**

BT: Emergency vehicle

*Ambulance service*

USE: Emergency services

**American standard**

RT: Standardization

*Analytical chemistry*

USE: Chemical analysis

**Anchorage**

UF: Tie  
BT: Bridge  
Rock mechanics  
RT: Bolt

**Angle**

RT: Angularity  
Road geometry  
Shape  
Vehicle trajectory

**Angle crash**

SN: A crash in which the vehicles approach each other at an angle other than a right angle  
BT: Crash type

*Angle of friction*

USE: Coefficient of friction

**Angularity**

BT: Material properties  
RT: Aggregate  
Angle  
Shape

**Animal**

UF: Fauna  
Wildlife  
RT: Animal crossing  
Biodiversity  
Habitat  
Non motorized transport

**Animal crossing**

RT: Animal

*Anisotropic*

USE: Isotropic

*ANN*

USE: Neural network

**Annual report**

RT: Activity report

**Anode**

RT: Cathodic protection

**Antenna**

**Anthropometric dummy**

UF: Anthropomorphic dummy  
Driver reach  
Dummy  
RT: Anthropometry  
Cadaver  
Crash test

**Anthropometry**

RT: Anthropometric dummy  
Helmet  
Human body

*Anthropomorphic dummy*

USE: Anthropometric dummy

**Anti lock braking**

UF: ABS  
Braking force regulator  
BT: Brake  
Vehicle safety  
RT: Braking  
Jack knifing

*Anti skid treatment*

USE: Non skid treatment

**Anti terrorist measures**

UF: Counter terrorism measures  
Terrorism  
RT: Security

*Antistripping*

USE: Stripping

*Apnea*

USE: Sleep apnoea

*Apnoea*

USE: Sleep apnoea

*App*

USE: Computer program

*Approach road*

USE: Access road

**Approximation**

RT: Mathematics

**Aquaplaning**

UF: Hydroplaning  
BT: Skidding  
RT: Drainage  
Tyre  
Vehicle pavement interaction  
Wet road

*Aquifer*

USE: Ground water

*Arcade*

USE: Pedestrian precinct

**Arch**

RT: Structural design

**Arch bridge**

BT: Bridge  
RT: Curved bridge



### Area traffic control

- SN: Use for coordinated control of traffic signals over a large urban area, not for local area traffic management
- UF: Central traffic control  
SCATS  
SCOOT  
Urban traffic control (UTC)  
Urban traffic management  
UTM  
UTMC
- BT: Traffic control
- RT: Linked signals  
Local area traffic management

### Area wide traffic management

- USE: Local area traffic management

### Aridity

- USE: Dryness

### Arm

- BT: Human body
- RT: Hand

### Army

- USE: Military

### Arrester bed

- UF: Escape ramp
- RT: Braking  
Climbing lane  
Gravel

### Arrival time

- RT: Departure time  
Travel time

### Arterial road

- UF: Main road  
Trunk road
- BT: Road type

### Articulated lorry

- USE: Articulated vehicle

### Articulated vehicle

- UF: Articulated lorry  
Combination vehicle  
Demitrailer  
Draw bar vehicle  
Multitrailer  
Semitrailer  
Tractor trailer
- BT: Heavy vehicle  
Vehicle type
- NT: B double  
B triple  
Road train

(Continued next column)

### Articulated vehicle (Continued)

- RT: Caravan  
Trailer  
Truck

### Artificial intelligence

- RT: Computer program  
Intelligent transport systems (ITS)  
Neural Network

### Artificial neural network

- USE: Neural network

### Asbestos

### Ash

- USE: Fly ash

### Asphalt

- SN: Mixture of bituminous binder and aggregate, with or without mineral filler. In North America this is the term for what Australia refers to as Bitumen.
- UF: Asphaltic concrete  
Bituminous concrete
- BT: Pavement materials
- NT: Polymer modified asphalt
- RT: Bitumen  
Bituminous pavement  
Cold mix  
Creep  
Hot mix  
Mastic asphalt  
Mix design  
Mixing plant  
Overlay  
Rolled asphalt  
Stone mastic asphalt (SMA)  
Superpave

### Asphalt cement

- USE: Bitumen

### Asphalt pavement

- USE: Bituminous pavement

### Asphaltene

- BT: Bitumen

### Asphaltic concrete

- USE: Asphalt

### ASR

- USE: Alkali silica reaction

**Asset management**

BT: Management  
RT: Bridge management  
Infrastructure  
Maintenance management  
Road management  
Transport management

**Association**

RT: Business

*Atmosphere*

USE: Air

*Atmospheric pollution*

USE: Air pollution

*ATT*

USE: Intelligent transport systems (ITS)

*Attack*

USE: Corrosion

**Attention**

UF: Alertness  
Driver alertness  
Driver concentration  
Vigilance  
NT: Perception  
RT: Cognitive load  
Distraction  
Driver performance  
Road user performance

*Attenuator*

USE: Truck mounted attenuator

**Attitude**

UF: Driver reaction  
Opinion  
NT: Aggressiveness  
RT: Change  
Consumer behaviour  
Driver  
Public opinion  
Values

*Attitude change*

USE: Change

*Attrition*

USE: Wear

**Audible signal**

UF: Acoustic signal  
Aural signal  
RT: Pedestrian crossing  
Traffic signal

**Audit**

NT: Safety audit  
RT: Efficiency

*Aural signal*

USE: Audible signal

**Australian design rules**

BT: Vehicle regulations  
RT: Vehicle design

*Australian government*

USE: National government

**Australian standard**

RT: Standardization

**Automated highway systems (AHS)**

UF: Automatic highway systems  
BT: Intelligent transport systems (ITS)  
RT: Adaptive cruise control (ACC)  
Advanced vehicle control systems (AVCS)

*Automatic data processing*

USE: Data processing

**Automatic fare collection**

BT: Fare collection  
RT: Automatic toll collection  
Smart card

*Automatic highway systems*

USE: Automated highway systems (AHS)

**Automatic incident detection**

BT: Incident detection  
Intelligent transport systems (ITS)

**Automatic toll collection**

UF: Electronic toll collection  
BT: Intelligent transport systems (ITS)  
Toll collection  
RT: Automatic fare collection  
Automatic vehicle identification (AVI)  
Smart card  
Toll road  
Transponder

*Automatic vehicle classification*

USE: Automation  
Vehicle classification

**Automatic vehicle identification (AVI)**

UF: AVI  
BT: Intelligent transport systems (ITS)  
Vehicle identification  
RT: Automatic toll collection



**Automatic vehicle location (AVL)**

UF: AVL  
BT: Intelligent transport systems (ITS)  
RT: Automatic vehicle monitoring (AVM)

**Automatic vehicle monitoring (AVM)**

UF: AVM  
BT: Intelligent transport systems (ITS)  
Vehicle monitoring  
RT: Automatic vehicle location (AVL)

**Automation**

UF: Automatic vehicle classification  
Computerization  
Mechanisation  
Mechanization  
RT: Robot  
Technology

*Automobile*

USE: Car

*Automobile demand*

USE: Vehicle demand

*Automotive guidance*

USE: Route guidance

**Autonomous vehicle**

UF: Driverless vehicle  
BT: Vehicle type  
RT: Advanced vehicle control systems (AVCS)  
Non driving related activity

**Average speed**

BT: Speed

*AVI*

USE: Automatic vehicle identification (AVI)

*AVL*

USE: Automatic vehicle location (AVL)

*AVM*

USE: Automatic vehicle monitoring (AVM)

**Axle**

BT: Bogie  
Vehicle component  
RT: Axle configuration  
Axle group  
Axle load  
Vehicle transmission  
Wheel

**Axle configuration**

RT: Axle  
Axle group

**Axle group**

RT: Axle  
Axle configuration  
Axle load

**Axle load**

UF: Wheel load  
BT: Load  
RT: Axle  
Axle group  
Equivalent standard axle (ESA)  
Pavement design  
Traffic load  
Vehicle pavement interaction  
Vehicle weight

**B double**

BT: Articulated vehicle  
Heavy vehicle  
RT: B triple

**B triple**

BT: Articulated vehicle  
Heavy vehicle  
RT: B double

*Baby*

USE: Infant

*BAC*

USE: Blood alcohol content

**Back analysis**

RT: Back calculation  
Deflection  
Pavement layer  
Structural analysis

**Back calculation**

RT: Back analysis  
Deflection  
Pavement layer  
Structural analysis

*Back scattering apparatus*

USE: Nuclear gauge

**Backfill**

RT: Embankment  
Fill

**Bacteria**

UF: Microorganism  
RT: Pollution

*Bailey bridge*

USE: Temporary bridge

**Ballast**

SN: Gravel railway bed  
BT: Railway track

*Banking*

USE: Superelevation

**Bar**

BT: Reinforcement  
RT: Mesh  
Slab

*Barrier*

USE: Mobile barrier  
Safety fence

*Barrier kerb*

USE: Kerb

**Basalt**

UF: Diabase  
Ophite  
BT: Rock

**Bascule bridge**

BT: Bridge  
RT: Curved bridge

*Base*

USE: Roadbase

**Basecourse**

UF: Binder course  
BT: Pavement layer  
Roadbase  
RT: Delamination  
Subbase  
Surfacing  
Wearing course

**Battery**

BT: Vehicle component  
RT: Electric vehicle  
Vehicle recharging

**Bayesian**

RT: Statistical analysis

*BCA*

USE: Cost benefit analysis

**Beam**

UF: Girder  
Structural member  
Web  
BT: Bridge superstructure  
NT: H beam  
I beam  
T beam  
W beam  
RT: Box girder

**Bearing capacity**

UF: Load carrying capacity  
BT: Pavement performance  
Pavement properties  
RT: Bridge loads  
California bearing ratio  
Pavement strengthening  
Vehicle pavement interaction

*Bearing pad*

USE: Bearings

**Bearings**

UF: Bearing pad  
RT: Bridge

**Before and after study**

UF: Study  
BT: Data collection  
RT: Evaluation  
Impact study

**Behaviour**

NT: Consumer behaviour  
Driver behaviour  
Road user behaviour  
Travel behaviour

**Benchmarking**

RT: Performance indicators  
Quality management  
Standardization

*Bend*

USE: Curve

*Bending*

USE: Deflection

*Benefit cost analysis*

USE: Cost benefit analysis

**Benkelman beam**

BT: Measuring equipment  
RT: Deflection

**Bentonite**

BT: Clay  
NT: Montmorillonite  
RT: Consolidation  
Grout

*Berth*

USE: Port

*Betophalt*

USE: Soil cement pavement

**Bibliography**



### **Bicycle**

- UF: Cycle (vehicle)  
Pedal cycle
- BT: Private transport  
Vehicle type
- NT: Electric bicycle
- RT: Bicycle facilities  
Bicycle lane  
Bicycle network  
Bicycle path  
Bicycle planning  
Bicycle sharing  
Cycling  
Cyclist  
Non motorized transport

### **Bicycle facilities**

- SN: Includes the paths and lanes that make up the bicycle network, as well as parking and storage facilities and the like
- BT: Transport facilities
- NT: Bicycle lane  
Bicycle path
- RT: Bicycle  
Bicycle network

### **Bicycle lane**

- BT: Bicycle facilities  
Traffic lane
- RT: Bicycle  
Bicycle network  
Bicycle path  
Bicycle planning  
Multilane

### **Bicycle network**

- RT: Bicycle  
Bicycle facilities  
Bicycle lane

### **Bicycle path**

- UF: Cycle lane  
Cycle track  
Cycleway
- BT: Bicycle facilities
- RT: Bicycle  
Bicycle lane  
Shared path

### **Bicycle planning**

- BT: Transport planning
- RT: Bicycle  
Bicycle lane

### **Bicycle sharing**

- UF: Bike sharing
- BT: Paratransit
- RT: Bicycle  
Cycling

### *Bicycling*

- USE: Cycling

### *Bicyclist*

- USE: Cyclist

### *Bid*

- USE: Tender

### *Bike sharing*

- USE: Bicycle sharing

### **Bikeability**

### **Binder**

- BT: Pavement materials
- NT: Polymer modified binder
- RT: Adhesion  
Binder content  
Bitumen  
Cement  
Ductility  
Lime  
Penetration  
Polymer  
Softening  
Viscoelasticity  
Viscosity

### **Binder content**

- RT: Binder  
Cement  
Lime  
Mix design

### *Binder course*

- USE: Basecourse

### **Biodiversity**

- RT: Animal  
Environment  
Habitat  
Sustainability  
Vegetation

### **Biofuel**

- BT: Fuel
- RT: Alternative fuel

### **Biography**

- RT: Obituary

### **Biomechanics**

- RT: Physiology

**Bitumen**

- UF: Asphalt cement  
Petroleum bitumen
- BT: Pavement materials
- NT: Asphaltene  
Cut back bitumen  
Foamed bitumen
- RT: Asphalt  
Binder  
Bitumen tar mixture  
Bituminous pavement  
Bleeding (bitumen)  
Emulsion  
Macadam  
Mastic asphalt  
Rubber  
Soil stabilization  
Surface dressing

*Bitumen macadam*

- USE: Macadam

**Bitumen tar mixture**

- BT: Mixture
- RT: Bitumen  
Tar

*Bituminous concrete*

- USE: Asphalt

**Bituminous pavement**

- UF: Asphalt pavement  
Flexible pavement
- BT: Pavement
- NT: Dense tar surfacing  
Full depth asphalt pavement  
Reclaimed asphalt pavement
- RT: Asphalt  
Bitumen  
Chip seal  
Composite pavement  
Soil cement pavement  
Sprayed seal  
Superpave

*Black ice*

- USE: Icy road

*Black spot*

- USE: Crash black spot

*Blast furnace slag*

- USE: Slag

**Blasting**

- BT: Excavation process

**Bleeding (bitumen)**

- RT: Bitumen

**Bleeding (concrete)**

- RT: Concrete

**Blind spot**

- RT: Vehicle design  
Visibility  
Visual field

**Blistering**

- UF: Blow up
- BT: Deterioration

**Block pavement**

- UF: Concrete paving block  
Segmental pavement  
Sett
- BT: Pavement
- RT: Brick  
Clay  
Concrete  
Masonry

**Blood alcohol content**

- UF: BAC
- RT: Alcohol usage  
Breath test  
Drink driving  
Ignition interlock  
Legislation

**Blood test**

- RT: Drink driving  
Drug  
Drug driving  
Law enforcement

*Blow up*

- USE: Blistering

**Boarding time**

- BT: Timetable
- RT: Bus

*Bog*

- USE: Wetlands

**Bogie**

- SN: Assembly parts of wheels, axles  
and springs that make up  
undercarriage of a rail vehicle
- BT: Carriage  
Train  
Tram  
Wagon
- NT: Axle  
Wheel
- RT: Railway track  
Rolling contact



**Bollard**

USE: Marker post

**Bolt**

UF: Rock anchor  
Rock bolt  
BT: Coupling  
RT: Anchorage  
Bridge  
High strength  
Rock

**Bond**

RT: Adhesion  
Delamination  
Structural interface

**Bone**

BT: Human body

**Booster cushion**

USE: Child restraint

**Bore hole**

BT: Site investigation

**Bored pile**

UF: Cast in situ concrete pile  
BT: Pile

**Bottleneck**

RT: Delay  
Queue  
Traffic congestion

**Box girder**

UF: Hollow girder  
BT: Bridge superstructure  
RT: Beam

**Brain**

BT: Human body  
RT: Head

**Brake**

BT: Vehicle component  
NT: Air brake  
Anti lock braking  
RT: Brake light  
Braking  
Braking distance  
Wheel

**Brake light**

UF: Stopping light  
BT: Vehicle lighting  
RT: Brake  
Rear light

**Braking**

UF: Retardation  
BT: Driving  
Vehicle dynamics  
Vehicle handling  
RT: Anti lock braking  
Arrester bed  
Brake  
Braking distance  
Car following  
Deceleration  
Skidding  
Skidding resistance

**Braking distance**

UF: Stopping distance  
BT: Vehicle safety  
RT: Brake  
Braking  
Time to collision (TTC)

**Braking force regulator**

USE: Anti lock braking

**Brazilian test**

USE: Splitting tensile test

**Breakaway joint**

USE: Frangible joint

**Breakdown of vehicle**

USE: Vehicle breakdown

**Breaking of emulsion**

BT: Emulsion

**Breath test**

UF: Alcohol breath test  
Random breath test  
RBT  
RT: Blood alcohol content  
Breathalyzer  
Drink driving  
Law enforcement

**Breathalyzer**

UF: Alcometer  
BT: Measuring equipment  
RT: Breath test

**Brick**

RT: Block pavement  
Masonry

## **Bridge**

UF: Overpass  
Viaduct  
NT: Anchorage  
Arch bridge  
Bascule bridge  
Bridge deck  
Bridge foundation  
Bridge materials  
Bridge superstructure  
Bridge surfacing  
Cable stayed bridge  
Cofferdam  
Concrete bridge  
Connector  
Curved bridge  
Footbridge  
Lifting bridge  
Metal bridge  
Portal frame bridge  
Skew bridge  
Steel bridge  
Suspension bridge  
Swing bridge  
Temporary bridge  
Timber bridge  
RT: Access road  
Bearings  
Bolt  
Bridge construction  
Bridge design  
Bridge failure  
Bridge inspection  
Bridge inventory  
Bridge length  
Bridge loads  
Bridge maintenance  
Bridge management  
Bridge planning  
Bridge testing  
Expansion joint  
Interchange  
Joint  
Scaffolding

## **Bridge construction**

BT: Construction  
NT: Cantilever  
RT: Bridge  
Scaffolding  
Welding  
Widening

## **Bridge deck**

BT: Bridge  
NT: Parapet  
Slab  
RT: Orthotropic plate  
Waterproofing

## *Bridge deck rehabilitation*

USE: Bridge maintenance

## **Bridge design**

BT: Design  
Structural design  
RT: Bridge  
Design standard  
Limit states design

## **Bridge failure**

BT: Failure  
RT: Bridge  
Structural safety

## **Bridge foundation**

BT: Bridge  
Foundation  
NT: Abutment  
Bridge pier  
Caisson  
Pile

## *Bridge heating*

USE: Road heating

## **Bridge inspection**

UF: Condition rating  
Condition survey  
BT: Inspection  
RT: Bridge  
Bridge maintenance  
Bridge management  
Bridge testing  
Visual assessment

## **Bridge inventory**

BT: Inventory  
RT: Bridge

## **Bridge length**

UF: Length  
RT: Bridge

## **Bridge loads**

BT: Load  
RT: Bearing capacity  
Bridge  
Vehicle bridge interaction

## **Bridge maintenance**

UF: Bridge deck rehabilitation  
Rehabilitation  
BT: Maintenance  
NT: Patching  
RT: Bridge  
Bridge inspection  
Bridge management  
Corrosion  
Maintenance method  
Replacement  
Retrofitting



### Bridge management

BT: Management  
RT: Asset management  
Bridge  
Bridge inspection  
Bridge maintenance  
Maintenance management  
Maintenance planning

### Bridge materials

UF: Construction materials  
BT: Bridge  
Materials  
NT: Concrete  
Metal  
Steel  
Timber  
RT: Material properties  
Material testing  
Specifications

### Bridge pier

UF: Pier  
BT: Bridge foundation  
RT: Erosion  
Pile

### Bridge planning

BT: Planning  
RT: Bridge  
Road planning

### Bridge superstructure

UF: Superstructure  
BT: Bridge  
NT: Beam  
Box girder  
Span

### Bridge surfacing

UF: Deck surfacing  
BT: Bridge  
Surfacing

### Bridge testing

BT: Test  
RT: Bridge  
Bridge inspection  
Structural testing

### Bridge vehicle interaction

USE: Vehicle bridge interaction

### Brightness

USE: Luminance

### British standard

RT: Standardization

### Brittleness

BT: Material properties  
RT: Plasticity

### Broken line

BT: Pavement marking  
RT: Solid line

### Buckling

UF: Kinking  
Warping  
BT: Strength  
RT: Compression  
Failure

### Budget

BT: Management  
RT: Accounting  
Cost recovery  
Expenditure  
Forecast  
Funding  
Personnel  
Public administration

### Building

NT: Dwelling  
RT: Structural design

### Building construction

USE: Construction

### Built environment

NT: Rural area  
Urban area  
RT: Environment

### Bulk density

USE: Density

### Bull bar

UF: Bullbar  
BT: Vehicle component  
RT: Bumper bar  
Chassis

### Bullbar

USE: Bull bar

### Bumper bar

BT: Vehicle component  
RT: Bull bar  
Chassis

### Bumper to bumper crash

USE: Rear end crash

### Bunching

UF: Platooning  
RT: Traffic concentration  
Traffic congestion  
Traffic flow

## Bus

UF: Coach  
 BT: Heavy vehicle  
 High occupancy vehicle (HOV)  
 Transport mode  
 Vehicle type  
 NT: Guided bus  
 Minibus  
 School bus  
 Trolleybus  
 RT: Boarding time  
 Bus driver  
 Bus lane  
 Bus stop  
 Private operator  
 Public transport  
 Rapid transit

## Bus driver

BT: Driver  
 RT: Bus  
 Heavy vehicle driver

## Bus lane

UF: Transit lane  
 BT: HOV lane  
 RT: Bus  
 Exclusive right of way  
 Guided bus  
 High occupancy vehicle (HOV)  
 Multilane

## Bus route

USE: Transport line

## Bus stop

UF: Stop  
 Transit stop  
 BT: Transport facilities  
 RT: Bus  
 Tram stop

## Business

UF: Commercial premises  
 Company  
 RT: Association  
 Economic development  
 Land use  
 Trade

## Business district

UF: CBD  
 Central business district  
 BT: Land use  
 Urban area  
 RT: Town centre

## By product

UF: Waste product  
 NT: Dust  
 Fly ash  
 Silica fume  
 RT: Crumb rubber  
 Slag

## Bypass

BT: Road type  
 RT: Town

## Cab

USE: Taxi

## Cable

UF: Rope  
 Strand  
 RT: Cable stayed bridge  
 Steel  
 Suspension bridge  
 Wire

## Cable stayed bridge

BT: Bridge  
 RT: Cable  
 Curved bridge  
 Suspension bridge  
 Wire

## CAD

USE: Computer aided design

## Cadaver

BT: Human body  
 RT: Anthropometric dummy

## Caisson

BT: Bridge foundation  
 RT: Pile

## Calcareous tuff

USE: Limestone

## Calcination

USE: Combustion

## Calcined aggregate

BT: Aggregate

## Calcium

## Calibration

BT: Measuring equipment  
 RT: Accuracy  
 Error

## California bearing ratio

UF: CBR  
 RT: Bearing capacity



*Camber*

USE: Transverse profile

*Camera*

USE: Photography

*Cancer*

USE: Illness

*Candela*

USE: Light intensity

*Candle power*

USE: Light intensity

*Cannabis*

USE: Marijuana

**Cantilever**

BT: Bridge construction

RT: Span

**Capillarity**

BT: Material properties

**Car**

UF: Automobile

Motor car

Passenger car

Sedan

Station wagon

BT: Private transport

Vehicle type

NT: Company car

Racing car

RT: Car park

Car pooling

Car sharing

*Car club*

USE: Car sharing

*Car crash*

USE: Crash

*Car door*

USE: Vehicle door

**Car following**

SN: The spacing preferred by drivers in a given speed and traffic flow situation

RT: Acceleration

Braking

Driver behaviour

Headway

Human factors

Reaction time

Speed

Traffic flow

Vehicle spacing

*Car industry*

USE: Vehicle industry

*Car mirror*

USE: Rear view mirror

*Car ownership*

USE: Vehicle ownership

**Car park**

UF: Parking area

NT: Multi storey car park

Underground car park

RT: Car

Entrance

Exit

Layout

Parking

*Car parking space*

USE: Parking place

**Car pooling**

SN: Informal or organised system aiming to increase vehicle occupancy rates by the sharing of a vehicle amongst persons travelling to a common destination.

UF: Carpooling

Ridesharing

Van pooling

BT: Paratransit

RT: Car

Car sharing

High occupancy vehicle (HOV)

Journey to work

*Car radio*

USE: Radio

**Car sharing**

- SN: Organised program where members rent from a fleet of vehicles on a short term basis as an alternative to vehicle ownership.  
 UF: Car club  
 Carsharing  
 RT: Car  
 Car pooling

*Car travel*

- USE: Travel behaviour

**Caravan**

- BT: Vehicle type  
 RT: Articulated vehicle  
 Towing  
 Trailer

**Carbon**

- RT: Carbon dioxide  
 Carbon dioxide equivalent  
 Carbon monoxide  
 Carbonation

**Carbon dioxide**

- RT: Air pollution  
 Carbon  
 Carbon dioxide equivalent  
 Greenhouse effect

**Carbon dioxide equivalent**

- SN: Standard of measurement for assessing the impact on global warming of various greenhouse gases.  
 UF: Carbon emissions  
 Carbon footprint  
 RT: Carbon  
 Carbon dioxide  
 Greenhouse effect

*Carbon emissions*

- USE: Carbon dioxide equivalent

*Carbon footprint*

- USE: Carbon dioxide equivalent

**Carbon monoxide**

- RT: Carbon  
 Toxicity  
 Vehicle emissions

**Carbon pricing**

- SN: Pricing carbon emissions through either subsidies, a carbon tax, or an emissions trading ("cap-and-trade" scheme).  
 UF: Carbon tax  
 RT: Tax

*Carbon tax*

- USE: Carbon pricing

**Carbonation**

- RT: Carbon  
 Concrete  
 Corrosion  
 Soil stabilization

*Carburation*

- USE: Carburettor

**Carburettor**

- UF: Carburation  
 BT: Vehicle component

*Cardiac disorder*

- USE: Illness

*Careless driving*

- USE: Risk taking

*Cargo*

- USE: Freight

*Carphone*

- USE: Mobile phone

*Carpooling*

- USE: Car pooling

**Carriage**

- BT: Passenger transport  
 Rolling stock  
 Train  
 NT: Bogie

**Carriageway**

- UF: Roadway  
 BT: Pavement  
 RT: Shoulder  
 Surfacing  
 Traffic lane

*Carriageway marking*

- USE: Pavement marking

*Carsharing*

- USE: Car sharing

**Case control study**

- UF: Study  
 RT: Research method

**Case study**

- UF: Study  
 RT: Field test

**Cast in situ concrete**

- BT: Concrete



*Cast in situ concrete pile*

USE: Bored pile

*Casualty*

USE: Fatality  
Injury

*Cat's eye*

USE: Reflecting road stud

**Catalysis**

*Catchment area*

USE: Hydrology

**Catenary**

SN: Overhead wires used to power  
electric vehicles via a pantograph  
RT: Electric vehicle  
Electricity  
Pantograph

**Cathodic protection**

RT: Anode  
Corrosion

*Cause of crash*

USE: Crash cause

**Causeway**

BT: Road type  
RT: River

*Caustic lime*

USE: Lime

*CB radio*

USE: Radio

*CBA*

USE: Cost benefit analysis

*CBD*

USE: Business district

*CBR*

USE: California bearing ratio

**CD-ROM**

RT: Database

*Cell phone*

USE: Mobile phone

**Cement**

UF: Cement treated base  
Portland cement  
BT: Concrete  
Pavement materials  
NT: Mortar  
RT: Binder  
Binder content  
Cement paste  
Grout  
Pozzolan  
Soil stabilization  
Stabilization

**Cement paste**

RT: Cement

*Cement treated base*

USE: Cement  
Roadbase stabilization

**Census**

UF: Population census  
RT: Demography  
Population  
Statistics

*Central business district*

USE: Business district

*Central reserve*

USE: Median

*Central traffic control*

USE: Area traffic control

**Centre line**

BT: Pavement marking  
RT: Edge marking  
Median

*Centring*

USE: Scaffolding

**Ceramic**

RT: Vehicle materials

*Certification*

USE: Accreditation

*Chance*

USE: Probability

## Change

- SN: To be used in a general sense, not in the transport sense (changing trains, changing modes, etc).
- UF: Attitude change  
Change management  
Cultural change  
Organizational change  
Social change  
Technological change
- RT: Attitude  
Management  
Sociology  
Technology  
Variability

## Change management

- USE: Change

## Changeable message sign

- USE: Variable message sign

## Channelization

- UF: Intersection channelization  
Traffic channelization
- BT: Road design
- RT: Intersection  
Pavement marking  
Traffic flow  
Traffic lane

## Characteristics

- SN: To be used for human characteristics only (can be combined with Cyclist, Motorcyclist, Pedestrian, Traveller, etc).
- NT: Driver characteristics  
Road user characteristics
- RT: Personality

## Chassis

- BT: Vehicle component
- RT: Bull bar  
Bumper bar

## Chemical

- RT: Dangerous goods  
Stabilization  
Weedkilling

## Chemical analysis

- UF: Analytical chemistry  
Diffraction  
Distillation  
Gravimetry
- NT: Chromatography  
Thermal analysis
- RT: Chemistry  
Concentration  
Photometry

## Chemical reaction

- BT: Chemistry
- NT: Absorption  
Adsorption  
Ageing  
Alkali aggregate reaction  
Alkali silica reaction  
Evaporation  
Hydration  
Oxidation
- RT: Equilibrium  
Hydrolysis

## Chemistry

- NT: Chemical reaction
- RT: Chemical analysis

## Chest

- USE: Thorax

## Child

- RT: Age  
Child restraint  
Infant  
Parent  
Transport disadvantaged  
Vulnerable road user  
Vulnerable transport user

## Child restraint

- UF: Booster cushion  
Child safety device  
Child seat  
Infant restraint
- BT: Restraint
- RT: Child  
Seat  
Seat belt

## Child safety device

- USE: Child restraint

## Child seat

- USE: Child restraint

## Chip seal

- RT: Bituminous pavement  
Slurry seal  
Sprayed seal  
Surfacing

## Chippings

- BT: Gravel
- RT: Aggregate  
Cloutage

## Chloride

- RT: Concrete  
Corrosion



*Choice*

USE: Selection

*Choice of home location*

USE: Place of residence

*Choice of route*

USE: Route choice

*Choice of transport*

USE: Modal choice

**Chromatography**

UF: Elution

BT: Chemical analysis

*Circular test track*

USE: Test track

*Citizen band radio*

USE: Radio

*City council*

USE: Local government

**Civil engineering**

BT: Engineering

NT: Geotechnical engineering

Road engineering

Structural engineering

Traffic engineering

RT: Construction

**Clay**

BT: Soil

NT: Bentonite

Expansive clay

RT: Block pavement

Cohesive soil

Montmorillonite

Shale

**Cleaning**

UF: Washing

BT: Maintenance

**Clear zone**

SN: Area adjacent to the traffic lane that should be kept free from features that would be potentially hazardous to errant vehicles.

RT: Roadside hazard

*Clearance of land*

USE: Land clearance

*Clearance of snow*

USE: Snow clearance

**Clearway**

RT: No parking

No stopping

Parking

Traffic regulations

**Climate**

NT: Climate change

Tropics

Weather

RT: Environment

Greenhouse effect

**Climate change**

BT: Climate

RT: Greenhouse effect

**Climbing lane**

UF: Crawler lane

Slow vehicle lane

BT: Traffic lane

RT: Arrester bed

Gradient

Multilane

Overtaking

Two lane road

*Closing down (transport line)*

USE: Line closure

*Closure*

USE: Lane closure

Line closure

Road closure

**Clothing**

UF: Protective clothing

**Cloutage**

SN: Application of precoated chippings to a surfacing.

BT: Surface texture

RT: Chippings

Non skid treatment

Skidding resistance

*Cloverleaf junction*

USE: Diamond interchange

**Clutch**

BT: Vehicle component

RT: Vehicle transmission

*Coach*

USE: Bus

**Coal**

UF: Lignite

BT: Rock

**Coarse aggregate**

UF: Hardcore  
Rubble  
BT: Aggregate

**Coastal area**

RT: Sea

**Coating**

RT: Corrosion  
Galvanization  
Paint  
Sealing coat  
Tinted glass

**Code of practice**

RT: Specifications  
Standardization

*Coefficient*

USE: Coefficient of friction  
Coefficient of subgrade reaction  
Safety coefficient

**Coefficient of friction**

UF: Angle of friction  
Coefficient  
Coefficient of sliding  
Friction angle  
BT: Friction  
RT: Jack knifing  
Surface texture  
Wheel locking

*Coefficient of sliding*

USE: Coefficient of friction

**Coefficient of subgrade reaction**

UF: Coefficient  
Westergaard coefficient  
BT: Soil mechanics

**Cofferdam**

BT: Bridge  
RT: Foundation  
Sheet pile wall

**Cognitive load**

RT: Attention  
Distraction  
Driver performance  
Human factors  
Human machine interface  
Road user performance  
Visual performance

**Cohesion**

BT: Material properties

**Cohesive soil**

BT: Soil  
RT: Clay

**Cohort study**

UF: Study  
RT: Research method

**Cold**

BT: Material properties  
RT: Freezing thawing cycle  
Frost  
Heat  
Temperature

**Cold mix**

RT: Asphalt  
Hot mix  
Warm mix

**Cold starting**

RT: Engine performance  
Ignition

*Collision*

USE: Crash

*Collision avoidance system*

USE: Crash avoidance system

*Collision test*

USE: Crash test

**Colour**

BT: Material properties  
Optics  
RT: Green light  
Red light  
Visibility  
Visual contrast  
Yellow light

**Colour blindness**

BT: Vision

*Combination vehicle*

USE: Articulated vehicle

*Combined transport*

USE: Intermodal transport

**Combustion**

UF: Calcination  
Incineration  
RT: Air fuel mixture  
Air pollution  
Engine  
Fuel  
Octane number



**Comfort**

BT: Ergonomics  
RT: Crowding  
Riding quality  
Seat  
Transport performance  
Vehicle suspension

*Commercial driver*

USE: Professional driver

*Commercial premises*

USE: Business

*Commercial vehicle*

USE: Heavy vehicle  
Light commercial vehicle  
Truck

**Commercial vehicle operations (CVO)**

BT: Freight transport  
Intelligent transport systems (ITS)

*Comminution*

USE: Crushing

**Communication**

NT: Public speaking  
RT: Education  
Publicity  
Sign  
Technology transfer

**Communications**

NT: Radio  
Satellite  
Telecommunications  
Telephone  
Vehicle to roadside communications  
Vehicle to vehicle communications  
RT: Driver information  
Electronics  
Intelligent transport systems (ITS)  
Social media  
Television

*Community consultation*

USE: Public opinion  
Public participation

**Community transport**

BT: Public transport  
RT: Accessibility  
Demand responsive transport  
Door to door transport  
Paratransit

*Commuter*

USE: Journey to work

*Commuting traffic*

USE: Journey to work

**Compaction**

BT: Material properties  
Road construction  
RT: Compression  
Pavement  
Roller  
Roller compacted concrete  
Soil  
Workability

*Company*

USE: Business

**Company car**

BT: Car  
RT: Fleet management  
Journey to work

*Compatibility (vehicle)*

USE: Vehicle compatibility

**Competition**

RT: Contract  
Tender

**Compliance**

UF: Roadworthiness  
RT: Accreditation  
Construction management  
Contract  
Deterrence  
Quality control  
Specifications

*Components of the car*

USE: Vehicle component

**Composite**

SN: Index also the specific materials.  
RT: Fibre reinforced polymer  
Materials

**Composite pavement**

SN: A pavement in which the two pavement modes (flexible and rigid) are mixed.  
BT: Pavement  
RT: Bituminous pavement  
Concrete pavement

**Comprehension**

UF: Understanding  
RT: Driver performance  
Knowledge  
Legibility  
Perception  
Road user performance  
Symbol

**Compressed air**

BT: Air

**Compressed natural gas (CNG)**

BT: Fuel  
Gas

RT: Alternative fuel  
Liquefied natural gas (LNG)  
Liquefied petroleum gas (LPG)

**Compressibility**

BT: Material properties

**Compression**

BT: Strength  
RT: Buckling  
Compaction  
Compressive strength  
Failure

**Compressive strength**

BT: Strength  
RT: Compression

*Compulsory purchase*

USE: Land acquisition

**Computer aided design**

UF: CAD  
BT: Computer program  
Design

*Computer equipment*

USE: Computer hardware

**Computer graphics**

BT: Computer program

**Computer hardware**

UF: Computer equipment  
Hardware  
NT: Computer network  
Signal controller  
RT: Computer program  
Data processing  
Human machine interface

*Computer interface*

USE: Human machine interface

**Computer network**

SN: An interconnected system of computers and/or peripheral devices at remote locations.  
BT: Computer hardware  
RT: Internet  
System architecture

**Computer program**

UF: App  
Computer software  
Software  
NT: Computer aided design  
Computer graphics  
Decision support  
Geographic information system (GIS)  
Knowledge based system  
RT: Artificial intelligence  
Computer hardware  
Computer programming  
Data processing  
Human machine interface  
Modelling  
Pavement management system

**Computer programming**

SN: Use for items on how to write programs rather than how to use programs.  
RT: Computer program

*Computer software*

USE: Computer program

*Computer vision*

USE: Image processing

*Computerization*

USE: Automation

**Concentrated loading**

UF: Point loading  
BT: Load  
RT: Deflection  
Distributed loading  
Repetitive loading

**Concentration**

RT: Chemical analysis

**Concrete**

UF: Portland cement concrete  
Unreinforced concrete  
BT: Bridge materials  
Pavement materials  
NT: Air entrained concrete  
Cast in situ concrete  
Cement  
Continuously reinforced concrete  
Lean concrete  
Precast concrete  
Prestressed concrete  
Ready mixed concrete  
Reinforced concrete  
Shotcrete

(Continued in next column)



**Concrete** (*continued*)

RT: Admixture  
 Bleeding (concrete)  
 Block pavement  
 Carbonation  
 Chloride  
 Concrete bridge  
 Concrete pavement  
 Creep  
 Curing  
 Expansion  
 Grout  
 Masonry  
 Mix design  
 Mixing plant  
 Overlay  
 Post tensioning  
 Pretensioning  
 Retarder  
 Sand  
 Setting  
 Shrinkage  
 Silica fume  
 Slump test  
 Spalling  
 Sulfate

**Concrete bridge**

BT: Bridge  
 RT: Concrete

**Concrete pavement**

UF: Rigid pavement  
 BT: Pavement  
 NT: Roller compacted concrete  
 RT: Composite pavement  
 Concrete  
 Dowel  
 Joint  
 Slab  
 Soil cement pavement

*Concrete paving block*

USE: Block pavement

*Condition rating*

USE: Bridge inspection  
 Pavement evaluation

*Condition survey*

USE: Bridge inspection  
 Pavement evaluation

*Conduit*

USE: Pipe

**Cone penetrometer**

BT: Measuring equipment  
 RT: Penetration

*Confiscation of drivers licence*

USE: Licence suspension

*Confiscation of vehicle*

USE: Vehicle impounding

**Conflict method**

BT: Method  
 RT: Crash analysis  
 Intersection

*Conflict zone*

USE: Dilemma zone

*Congested traffic*

USE: Traffic congestion

**Congestion pricing**

RT: Road economics  
 Road pricing  
 Road user charges  
 Traffic congestion  
 Transport economics

*Connected vehicle*

USE: Vehicle to roadside  
 communications  
 Vehicle to vehicle communications

*Connection piece*

USE: Coupling

**Connector**

BT: Bridge  
 Structural engineering

**Consolidation**

BT: Soil mechanics  
 RT: Bentonite  
 Expansion  
 Settlement

**Conspicuity**

RT: Legibility  
 Visibility  
 Visual contrast

**Construction**

UF: Building construction  
 NT: Bridge construction  
 Demolition  
 Road construction  
 RT: Civil engineering  
 Construction costs  
 Construction equipment  
 Construction management  
 Construction method  
 Construction site  
 Contract  
 Earthworks  
 Manufacture  
 Specifications  
 Tender  
 Work zone

**Construction costs**

BT: Cost  
 RT: Construction

**Construction equipment**

UF: Construction machinery  
 Grader  
 Mixer  
 Plant  
 Scraper  
 Screed  
 BT: Equipment  
 NT: Paver  
 Roller  
 RT: Construction  
 Maintenance equipment  
 Road construction

*Construction machinery*

USE: Construction equipment

**Construction management**

RT: Compliance  
 Construction  
 Quality control

*Construction materials*

USE: Bridge materials  
 Pavement materials  
 Road materials

**Construction method**

BT: Method  
 NT: Curing  
 Launching  
 Pretreatment  
 RT: Construction

*Construction pit*

USE: Excavation pit

**Construction site**

RT: Construction  
 Demolition  
 Work zone

**Consumer behaviour**

BT: Behaviour  
 RT: Attitude  
 Decision process

**Consumer protection**

RT: Legislation  
 Safety

*Container*

USE: Freight container

*Contamination*

USE: Pollution

**Continuously reinforced concrete**

UF: CRC  
 BT: Concrete  
 Reinforced concrete

**Contract**

RT: Accreditation  
 Competition  
 Compliance  
 Construction  
 Contractor  
 Documentation  
 Incentive  
 Leasing  
 Specifications  
 Tender

*Contraction*

USE: Shrinkage

**Contractor**

UF: Subcontractor  
 RT: Contract  
 Employment  
 Private operator

**Contraflow traffic**

UF: Tidal flow  
 BT: Traffic direction  
 RT: Reversible lane

*Contrast*

USE: Visual contrast

**Control group**

RT: Research method



**Controlled intersection**

BT: Intersection  
 NT: Roundabout  
     Signalized intersection  
 RT: Give way sign  
     Stop sign  
     Traffic sign

*Coordinated signals*

USE: Linked signals

**Copyright**

RT: Intellectual property  
     Legislation  
     Publishing

**Cornering**

BT: Vehicle dynamics  
 RT: Curve  
     Steering  
     Vehicle handling

**Corporate planning**

BT: Management  
     Planning

**Correction**

RT: Error

**Corrosion**

UF: Aggressivity  
     Attack  
     Rust  
 RT: Bridge maintenance  
     Carbonation  
     Cathodic protection  
     Chloride  
     Coating  
     Inhibitor  
     Reinforced concrete  
     Steel

**Corrugation**

BT: Surface texture  
 RT: Roughness

**Cost**

UF: Overhead  
     Price  
 BT: Economics  
 NT: Construction costs  
     Crash costs  
     Fuel costs  
     Life cycle costs  
     Maintenance costs  
     Operating costs  
     Road costs  
     Social costs  
     Transport costs  
     Vehicle costs

*(Continued in next column)*

**Cost (Continued)**

RT: Cost benefit analysis  
     Cost effectiveness  
     Cost recovery  
     Economies of scale  
     Expenditure  
     Free of charge  
     Insurance  
     Profit

**Cost benefit analysis**

UF: BCA  
     Benefit cost analysis  
     CBA  
 BT: Economic analysis  
 RT: Cost  
     Economic efficiency  
     Profit  
     Project evaluation  
     Risk management

**Cost effectiveness**

RT: Cost

**Cost recovery**

RT: Budget  
     Cost  
     Income  
     Revenue  
     Road costs  
     Road user charges  
     Transport costs

*Council*

USE: Local government

*Counter terrorism measures*

USE: Anti terrorist measures

*Countermeasure*

USE: Crash countermeasure  
     Injury prevention  
     Prevention

*Country town*

USE: Town

**Coupling**

UF: Connection piece  
     Fitting piece  
     Mechanical joint  
 NT: Bolt  
     Dowel

*Court case*

USE: Litigation

*Covariance analysis*

USE: Statistical analysis

*CPM*

USE: Critical path method

**Cracking**

UF: Cracking  
Fissuring  
BT: Deterioration  
RT: Pavement performance  
Slurry seal

**Crash**

UF: Accident  
Car crash  
Collision  
Motor vehicle crash  
Road accident  
Traffic accident  
Vehicle crash  
NT: Crash type  
RT: Crash analysis  
Crash black spot  
Crash cause  
Crash compensation  
Crash costs  
Crash countermeasure  
Crash economics  
Crash investigation  
Crash proneness  
Crash rate  
Crash reconstruction  
Crash record  
Crash severity  
Crash statistics  
Ejection  
Exposure  
Fatality  
Incident detection  
Injury  
Injury cause  
Jack knifing  
Overturning  
Risk  
Road safety  
Skidding  
Underride prevention  
Wheel locking  
Yawing

**Crash analysis**

RT: Conflict method  
Crash  
Data analysis  
Vehicle type

**Crash avoidance system**

UF: Collision avoidance system  
BT: Intelligent transport systems (ITS)  
RT: Advanced traveler information systems (ATIS)  
Time to collision (TTC)

*Crash barrier*

USE: Safety fence

**Crash black spot**

UF: Black spot  
Hazardous location  
RT: Crash  
Location

**Crash cause**

UF: Cause of crash  
RT: Crash  
Driver behaviour  
Human factors  
Psychology  
Road environment  
Vehicle safety

*Crash class*

USE: Crash type

*Crash compatibility*

USE: Vehicle compatibility

**Crash compensation**

RT: Crash  
Insurance

**Crash costs**

UF: Damage repair cost  
Vehicle damage repair cost  
BT: Cost  
RT: Crash  
Insurance  
Road user costs  
Value of life  
Willingness to pay

**Crash countermeasure**

UF: Countermeasure  
Crash prevention  
Crash reduction  
Safety measure  
BT: Prevention  
RT: Crash  
Injury prevention  
Road user education  
Vehicle inspection

**Crash economics**

BT: Economics  
RT: Crash

*Crash helmet*

USE: Helmet



**Crash investigation**

RT: Crash  
Crash reconstruction

*Crash prevention*

USE: Crash countermeasure

**Crash proneness**

RT: Crash  
Personality  
Psychology

**Crash rate**

UF: Involvement rate  
RT: Crash  
Fatality rate  
Injury rate

**Crash reconstruction**

RT: Crash  
Crash investigation

**Crash record**

RT: Crash  
Data collection  
Documentation  
Hospital  
Police

*Crash reduction*

USE: Crash countermeasure

**Crash severity**

RT: Crash  
Fatality  
Injury severity

**Crash statistics**

BT: Statistics  
RT: Crash

**Crash test**

UF: Collision test  
Impact test  
BT: Test  
RT: Anthropometric dummy  
Roadside hazard  
Safety fence  
Vehicle safety

**Crash type**

UF: Crash class  
Road user movement  
RUM  
BT: Crash  
NT: Angle crash  
Head on crash  
Hit and run crash  
Offset crash  
Rear end crash  
Run off the road crash  
Secondary crash  
Sideways crash  
Single vehicle crash  
RT: Derailment  
Near miss

**Crashworthiness**

SN: Crashworthiness is a measure of the capacity of a vehicle to protect its occupants.  
UF: Impact tolerance  
BT: Vehicle safety  
RT: Damage  
Injury severity  
Vehicle aggressivity  
Vehicle compatibility  
Vehicle occupant

*Crawler lane*

USE: Climbing lane

*Crazing*

USE: Cracking

*CRC*

USE: Continuously reinforced concrete

*Creek*

USE: River

**Creep**

UF: Dynamic creep  
Plastic flow  
Static creep  
Yield  
RT: Asphalt  
Concrete  
Settlement

*Crime*

USE: Offence

**Critical path method**

UF: CPM  
Evaluation and review technique  
program  
Pert  
BT: Management  
Planning

**Cross roads**

UF: Scissors junction  
BT: Intersection

**Cross section**

BT: Geometric design  
RT: Road geometry

*Crossfall*

USE: Transverse profile

**Crossing the road**

BT: Road user behaviour  
RT: Footbridge  
Pedestrian  
Pedestrian crossing  
Pedestrian subway  
School crossing

**Crowding**

UF: Overcrowding  
RT: Comfort  
Passenger transport  
Public transport

*Crude oil*

USE: Petroleum

**Crumb rubber**

UF: Crumbed rubber  
Ground tyre rubber  
GTR  
BT: Pavement materials  
Rubber  
RT: By product  
Recycling  
Tyre

*Crumbed rubber*

USE: Crumb rubber

**Crushed stone**

BT: Rock  
RT: Aggregate  
Crushing

**Crushing**

UF: Comminution  
Fragmentation  
Grinding  
BT: Excavation process  
RT: Crushed stone

**Cul de sac**

BT: Street

*Cultural change*

USE: Change

**Cultural heritage**

SN: Used for sites and structures; use  
Ethnicity for people.  
UF: Heritage  
RT: History

*Cultural values*

USE: Values

**Culvert**

BT: Pipe  
RT: Drainage

*Curb*

USE: Kerb

**Curing**

BT: Construction method  
RT: Concrete

**Curing agent**

BT: Setting

*Curriculum*

USE: Education

*Curvature*

USE: Degree of curvature

**Curve**

UF: Bend  
Hairpin bend  
BT: Geometric design  
Road design  
NT: Superelevation  
RT: Cornering  
Degree of curvature  
Lateral acceleration  
Visibility distance



### **Curved bridge**

BT: Bridge  
RT: Arch bridge  
Bascule bridge  
Cable stayed bridge  
Lifting bridge  
Metal bridge  
Portal frame bridge  
Skew bridge  
Steel bridge  
Suspension bridge  
Swing bridge  
Temporary bridge  
Timber bridge

### *Curviametre*

USE: Deflectometer

### **Customer service**

RT: Management  
Transport authority

### **Cut back bitumen**

UF: Fluxed bitumen  
BT: Bitumen  
RT: Cutter

### **Cutter**

UF: Diluent  
RT: Cut back bitumen  
Kerosene

### *Cycle (traffic signals)*

USE: Signal timing

### *Cycle (vehicle)*

USE: Bicycle

### *Cycle lane*

USE: Bicycle path

### *Cycle track*

USE: Bicycle path

### *Cycleway*

USE: Bicycle path

### *Cyclic loading*

USE: Repetitive loading

### **Cycling**

UF: Bicycling  
BT: Active travel  
Transport mode  
RT: Bicycle  
Bicycle sharing  
Cyclist  
Electric bicycle

### **Cyclist**

UF: Bicyclist  
BT: Road user  
Traveller  
RT: Bicycle  
Cycling  
Cyclist crossing  
Electric bicycle  
Helmet usage  
Vulnerable road user

### **Cyclist crossing**

RT: Cyclist

### *Cyclone*

USE: Weather

### **Damage**

UF: Hail damage  
NT: Load damage relationship  
RT: Crashworthiness  
Deformation  
Deterioration  
Failure  
Flooding  
Moisture sensitivity  
Vehicle pavement interaction

### *Damage repair cost*

USE: Crash costs

### *Damper*

USE: Vehicle suspension

### **Damping**

RT: Vibration

### *Dampness*

USE: Moisture content

### *Danger*

USE: Risk

### *Dangerous driving*

USE: Risk taking

### **Dangerous goods**

UF: Hazardous goods  
Hazardous materials  
RT: Chemical  
Freight transport  
Transport safety  
Vehicle marking

### *Darkness*

USE: Night

### *Dashboard*

USE: Instrument panel

*Data acquisition*

USE: Data collection

**Data analysis**

RT: Crash analysis  
Data collection  
Spatial analysis  
Statistical analysis

*Data bank*

USE: Database

**Data collection**

UF: Data acquisition  
Home interview  
Survey  
Traffic survey  
NT: Before and after study  
Focus group  
Interview  
Online survey  
Telephone survey  
RT: Crash record  
Data analysis  
Database  
Documentation  
Drone  
Field study  
Instrumented vehicle  
Laboratory study  
Privacy  
Questionnaire  
Sampling  
Traffic count  
Video

**Data processing**

UF: ADP  
Automatic data processing  
EDP  
Electronic data processing  
RT: Computer hardware  
Computer program  
Image processing

*Databank*

USE: Database

**Database**

UF: Data bank  
Databank  
RT: CD-ROM  
Data collection  
Information retrieval

**Day**

RT: Daylight  
Night  
Time  
Time of day  
Weekday  
Weekend

**Daylight**

RT: Day

**Daytime running lights**

BT: Vehicle lighting  
RT: Headlight  
Motorcycle

*Dazzle*

USE: Glare

*Deafness*

USE: Hearing

*Death*

USE: Fatality

*Death rate*

USE: Fatality rate

**Deceleration**

RT: Acceleration  
Braking  
Driving cycle

**Decision process**

UF: Judgment  
BT: Psychology  
RT: Consumer behaviour  
Decision support  
Discrete choice  
Driver behaviour  
Policy  
Priority  
Reaction time  
Revealed preference  
Risk taking  
Road user behaviour  
Selection  
Stated preference

**Decision support**

BT: Computer program  
RT: Decision process  
Knowledge based system  
Management  
Modelling

*Deck surfacing*

USE: Bridge surfacing



### **Decompression**

UF: Load removal  
BT: Rock mechanics

### *Deep*

USE: Depth

### **Defect**

RT: Deterioration

### *Defect recall campaign*

USE: Recall campaign

### *Defence force*

USE: Military

### *Defensive driving*

USE: Driver behaviour

### **Deflection**

UF: Bending  
Flexure  
BT: Pavement properties  
RT: Back analysis  
Back calculation  
Benkelman beam  
Concentrated loading  
Deflectometer  
Load  
Pavement evaluation

### *Deflectograph*

USE: Deflectometer

### **Deflectometer**

UF: Curviametre  
Deflectograph  
Dynalect  
Falling weight deflectometer  
FWD  
Road rater  
BT: Measuring equipment  
RT: Deflection  
Pavement evaluation

### **Deformation**

UF: Strain  
BT: Pavement performance  
RT: Damage  
Rutting  
Stress

### *Deformation modulus*

USE: Modulus

### *Degradation*

USE: Deterioration

### **Degree of curvature**

UF: Curvature  
RT: Curve

### **Degree of saturation**

UF: Saturated material  
Unsaturated material  
RT: Moisture content

### **Deicing salt**

BT: Salt  
Winter maintenance  
RT: Icy road

### **Delamination**

UF: Peeling  
Seal break  
RT: Adhesion  
Basecourse  
Bond  
Pavement layer  
Structural interface  
Wearing course

### **Delay**

BT: Traffic flow  
RT: Bottleneck  
Queue  
Queue length  
Stops  
Traffic congestion  
Travel time  
Waiting time

### **Delineation**

NT: Edge marking  
Marker post  
Pavement marking  
Road stud  
RT: Traffic control devices

### *Delivery*

USE: Freight transport  
Supply

### *Delivery vehicle*

USE: Light commercial vehicle

### **Demand**

UF: Need  
NT: Road needs  
Transport demand  
Travel demand  
RT: Demand elasticity  
Demand management  
Supply

### **Demand elasticity**

UF: Elasticity of demand  
RT: Demand  
Demand management  
Transport demand  
Transport economics  
Travel behaviour  
Travel demand

**Demand management**

- UF: TDM  
Transport demand management  
Travel demand management
- RT: Demand  
Demand elasticity  
Traffic management  
Transport demand  
Travel demand  
Vehicle relocation

**Demand responsive transport**

- UF: Dial a ride
- BT: Public transport
- RT: Community transport  
Door to door transport  
Minibus  
Paratransit  
Taxi

**Dementia**

- RT: Fitness to drive  
Medical aspects  
Memory

*Demerit point system*

- USE: Point demerit system

*Demitrailer*

- USE: Articulated vehicle

**Demography**

- NT: Population
- RT: Census  
Occupation  
Socioeconomic factors

**Demolition**

- BT: Construction
- RT: Construction site  
Maintenance

**Dense tar surfacing**

- UF: Tar concrete
- BT: Bituminous pavement

**Density**

- UF: Bulk density  
Dry density  
Specific gravity
- RT: Population density  
Traffic concentration

**Departure time**

- UF: Time of departure  
Time of trip
- BT: Time  
Travel behaviour
- RT: Arrival time  
Journey purpose  
Travel time

*Depot*

- USE: Transport depot

**Depth**

- UF: Deep
- RT: Height

**Derailment**

- RT: Crash type  
Rail transport  
Railway track  
Rolling stock

**Deregulation**

- BT: Transport regulation
- RT: Privatization

**Desert**

- RT: Dryness  
Tropics

**Design**

- NT: Bridge design  
Computer aided design  
Geometric design  
Pavement design  
Road design  
Structural design  
Vehicle design
- RT: Design guide

**Design guide**

- RT: Design  
Design standard

**Design speed**

- BT: Road design  
Speed
- RT: Operating speed  
Speed limit

**Design standard**

- RT: Bridge design  
Design guide  
Pavement design  
Road design  
Standardization

**Designated driver**

- BT: Driver
- RT: Alcohol usage  
Drink driving

**Detection**

- NT: Incident detection

*Detector*

- USE: Sensor  
Vehicle detector



**Deterioration**

UF: Degradation  
 NT: Blistering  
       Cracking  
       Pollution  
 RT: Damage  
       Defect  
       Erosion  
       Hardening  
       Rutting  
       Softening  
       Spalling  
       Stripping  
       Wear  
       Weathering

**Deterrence**

UF: Deterrent  
 RT: Compliance  
       Incentive  
       Law enforcement  
       Offender  
       Penalty  
       Recidivist

*Deterrent*

USE: Deterrence

*Detour*

USE: Traffic diversion

**Developing countries**

*Development*

USE: Economic development  
       Road development  
       Urban development

*Diabase*

USE: Basalt

*Diabetes*

USE: Illness

*Dial a ride*

USE: Demand responsive transport

**Diamond interchange**

UF: Cloverleaf junction  
       Half cloverleaf  
       Partial cloverleaf  
 BT: Interchange  
       Intersection

**Dictionary**

RT: Thesaurus

**Diesel engine**

BT: Engine

**Diesel fuel**

BT: Fuel  
 RT: Alternative fuel

*Differential thermal analysis*

USE: Thermal analysis

*Diffraction*

USE: Chemical analysis

**Dilemma zone**

SN: Area at signalized intersection  
       when the light turns amber and the  
       driver has to decide whether to stop  
       or speed up.  
 UF: Conflict zone  
 RT: Intersection  
       Signalized intersection

*Diluent*

USE: Cutter

**Dimension**

UF: Size  
 NT: Height  
       Vehicle dimension  
       Width  
 RT: Shape  
       Vehicle length

**Dipped headlight**

BT: Headlight  
 RT: Headlight setting

*Direction indicator*

USE: Vehicle turn indicator

*Direction of traffic*

USE: Traffic direction

**Directory**

NT: Street directory

**Disabled person**

- UF: Handicapped person  
Impairment
- RT: Accessibility  
Hearing  
Mobility  
Mobility scooter  
Transport disadvantaged  
Vision impairment  
Vulnerable road user  
Vulnerable transport user  
Wheelchair

*Disabled vehicle*

- USE: Vehicle breakdown

**Disaster management**

- BT: Management
- RT: Emergency  
Evacuation

**Discharge**

- UF: Flow rate  
Rate of flow
- BT: Hydrology

**Discrete choice**

- SN: Model that describes, explains, and predicts choices between two or more distinct alternatives
- UF: Qualitative choice
- RT: Decision process  
Revealed preference  
Stated preference

*Dispersion (statistics)*

- USE: Statistical analysis

*Displacement*

- USE: Movement

*Disqualified driver*

- USE: Licence suspension

*Distance between vehicles*

- USE: Vehicle spacing

*Distance travelled*

- USE: Vehicle kilometre

*Distillation*

- USE: Chemical analysis

**Distraction**

- UF: Driver distraction  
Inattention
- RT: Attention  
Cognitive load  
Driver performance  
Non driving related activity  
Road user performance

**Distributed loading**

- BT: Load
- RT: Concentrated loading

**Distributor road**

- BT: Road type

*District*

- USE: Region

*Diverging traffic*

- USE: Merging traffic

**Divided road**

- UF: Dual carriageway
- BT: Road type
- RT: Freeway  
Highway

**Documentation**

- NT: Log book
- RT: Contract  
Crash record  
Data collection

*Door*

- USE: Vehicle door

**Door lock**

**Door to door transport**

- RT: Community transport  
Demand responsive transport

**Dowel**

- BT: Coupling
- RT: Concrete pavement  
Joint  
Retaining wall

*Drag reduction*

- USE: Aerodynamic device



## Drainage

- UF: Gully
- Subsurface drainage
- Surface drainage
- Table drain
- NT: Gutter
- RT: Aquaplaning
- Culvert
- Flow
- Geotextile
- Hydrology
- Pavement
- Permeability
- Pipe
- Road maintenance
- Run off

### *Drainage asphalt*

- USE: Porous asphalt

### *Draw bar vehicle*

- USE: Articulated vehicle

## Dredging

- BT: Earthworks

### *Drifting*

- USE: Lane departure

## Drilling

- RT: Tunnel

## Drink driving

- UF: Alcohol impaired driver
- Drunk driving
- Drunkenness
- BT: Driver behaviour
- Offence
- RT: Alcohol usage
- Blood alcohol content
- Blood test
- Breath test
- Designated driver
- Drug
- Drug driving

### *Drinking*

- USE: Alcohol usage

### *Drinking age*

- USE: Minimum drinking age

## Driver

- BT: Road user
- Vehicle occupant
- (Continued next column)

## Driver (continued)

- NT: Aged driver
- Bus driver
- Designated driver
- Driver characteristics
- Heavy vehicle driver
- Learner driver
- Novice driver
- Unlicensed driver
- Young driver
- RT: Attitude
- Driver behaviour
- Driver education
- Driver improvement
- Driver performance
- Driver retraining
- Driver testing and licensing
- Driver training
- Drivers licence
- Driving
- Motorcyclist
- Road user rehabilitation
- Traveller

### *Driver alertness*

- USE: Attention

## Driver behaviour

- UF: Defensive driving
- Road rage
- BT: Behaviour
- Road user behaviour
- NT: Drink driving
- Drug driving
- Ecodriving
- Lane changing
- Overtaking
- Slow driving
- Speeding
- Wrong way driving
- RT: Car following
- Crash cause
- Decision process
- Driver
- Driver performance
- Driving
- Gap acceptance
- Hazard perception
- Helmet usage
- Human factors
- Incentive
- Lateral position
- Motorcyclist
- Restraint usage
- Risk taking
- Speed feedback sign
- Vehicle impounding

**Driver characteristics**

- BT: Characteristics  
Driver
- NT: Age  
Female  
Male  
Personality
- RT: Aged driver  
Motorcyclist  
Novice driver  
Young driver

*Driver concentration*

- USE: Attention

*Driver distraction*

- USE: Distraction

**Driver education**

- SN: General education for drivers and  
potential drivers (e.g. courses in  
schools, etc.)
- BT: Education  
Road user education
- RT: Driver  
Driver retraining  
Driver training  
Driving manual  
Motorcyclist

*Driver fatigue*

- USE: Human fatigue

**Driver improvement**

- BT: Improvement
- RT: Driver  
Driver performance  
Driver retraining  
Driver training  
Motorcyclist

**Driver information**

- SN: Use for information provided to the  
driver while the driver is on the  
road
- NT: Advanced driver information  
systems (ADIS)
- RT: Communications  
Traffic sign

*Driver interface*

- USE: Human machine interface

**Driver performance**

- UF: Skill
- BT: Performance  
Road user performance
- RT: Alcohol effects  
Attention  
Cognitive load  
Comprehension  
Distraction  
Driver  
Driver behaviour  
Driver improvement  
Driving  
Driving simulator  
Drug effects  
Graduated licence  
Human fatigue  
Memory  
Motorcyclist  
Perception  
Visual performance

*Driver personality*

- USE: Personality

*Driver protection*

- USE: Injury prevention

*Driver reach*

- USE: Anthropometric dummy

*Driver reaction*

- USE: Attitude  
Reaction time

**Driver retraining**

- BT: Driver training
- RT: Driver  
Driver education  
Driver improvement  
Driving instructor  
Driving test

**Driver testing and licensing**

- NT: Drivers licence  
Driving test
- RT: Driver  
Graduated licence  
Learner driver  
Learner licence  
Log book  
Motorcyclist testing and licensing



### Driver training

- SN: Teaching the mechanical skills of driving (prior to licensing)
- UF: Driving school
- NT: Advanced driver training  
Driver retraining
- RT: Driver  
Driver education  
Driver improvement  
Driving instructor  
Learner driver  
Motorcyclist training  
Supervising driver

### Driverless vehicle

- USE: Autonomous vehicle

### Drivers licence

- UF: Driving licence  
Licence
- BT: Driver testing and licensing
- NT: Graduated licence  
Learner licence  
Licence suspension
- RT: Driver  
Driving cessation  
Driving test  
Legislation  
Medical examination  
Novice driver  
Point demerit system

### Driveway

- BT: Road type
- RT: Access management  
Entrance  
Exit

### Driving

- NT: Braking  
Reversing  
Steering
- RT: Driver  
Driver behaviour  
Driver performance  
Driving cycle  
Driving experience  
Driving hours  
Driving instructor  
Motorcyclist  
Vehicle handling

### Driving aptitude

- SN: Driving aptitude refers to a driver's psychological readiness to drive (e.g. emotional readiness, skills readiness). For physiological readiness, see Fitness to drive
- BT: Psychology
- RT: Fitness to drive

### Driving cessation

- SN: Use for when a driver's licence is permanently relinquished, especially where driver is aged.
- RT: Aged driver  
Drivers licence  
Fitness to drive

### Driving cycle

- UF: Urban cycle
- RT: Acceleration  
Deceleration  
Driving  
Dynamometer  
Fuel consumption  
Vehicle emissions  
Vehicle testing

### Driving experience

- RT: Driving  
Graduated licence  
Learner licence  
Motorcyclist  
Novice driver  
Young driver

### Driving fitness

- USE: Fitness to drive

### Driving hours

- RT: Driving  
Hours of work  
Human fatigue  
Journey length  
Log book  
Rest period  
Sleep patterns

### Driving instructor

- RT: Driver retraining  
Driver training  
Driving  
Driving test

### Driving licence

- USE: Drivers licence

### Driving manual

- RT: Driver education

### Driving offence

- USE: Offence

### Driving school

- USE: Driver training

### Driving simulator

- RT: Driver performance  
Human machine interface

**Driving test**

BT: Driver testing and licensing  
RT: Driver retraining  
Drivers licence  
Driving instructor

**Drone**

UF: UAV  
Unmanned aerial vehicle  
RT: Data collection

*Drop penetration test*

USE: Dynamic penetration test

*Drought*

USE: Dryness

*Drowsiness*

USE: Human fatigue

**Drug**

UF: Narcotic  
Psychotropic drug  
Stimulant  
NT: Illicit drug  
Marijuana  
Medication  
RT: Addiction  
Alcohol drug interaction  
Alcohol usage  
Blood test  
Drink driving  
Drug driving  
Drug effects  
Saliva test  
Urine test

*Drug abuse*

USE: Addiction

*Drug affected driver*

USE: Drug driving

*Drug drive offence*

USE: Drug driving

**Drug driving**

UF: Drug affected driver  
Drug drive offence  
Drug impaired driver  
BT: Driver behaviour  
Offence  
RT: Blood test  
Drink driving  
Drug  
Drug effects  
Saliva test  
Urine test

**Drug effects**

RT: Alcohol effects  
Driver performance  
Drug  
Drug driving  
Medical aspects  
Physiology

*Drug impaired driver*

USE: Drug driving

*Drunk driving*

USE: Drink driving

*Drunkness*

USE: Drink driving

*Dry density*

USE: Density

**Dry road**

BT: Road surface properties  
RT: Weather  
Wet road

**Drying**

RT: Aggregate

**Dryness**

UF: Aridity  
Drought  
BT: Weather  
RT: Desert

*DTA*

USE: Thermal analysis

*Dual carriageway*

USE: Divided road

**Dual mode**

RT: Exclusive right of way  
Guided bus

**Ductility**

RT: Binder

*Dummy*

USE: Anthropometric dummy

*Duorail*

USE: Railway track

**Durability**

UF: Lifetime  
Service life  
BT: Material properties  
Performance  
RT: Pavement performance



*Duration*

USE: Time

**Dusk**

UF: Twilight  
RT: Time  
Time of day

**Dust**

BT: By product  
RT: Filler  
Unsealed road

**Dwelling**

UF: Housing  
Residence  
BT: Building  
RT: Household  
Place of residence  
Population density  
Residential area

*Dynalect*

USE: Deflectometer

*Dynamic creep*

USE: Creep

**Dynamic loading**

UF: Resilient loading  
Seismic loading  
BT: Load  
RT: Material testing  
Modulus  
Static loading

**Dynamic penetration test**

UF: Drop penetration test  
Dynamic penetrometer  
Standard penetration test  
BT: Penetration  
Test method  
RT: Static penetration test

*Dynamic penetrometer*

USE: Dynamic penetration test

**Dynamometer**

BT: Measuring equipment  
RT: Driving cycle  
Fuel consumption  
Vehicle emissions

*E-bike*

USE: Electric bicycle

*Ear*

USE: Hearing

**Earth pressure**

BT: Soil mechanics

*Earth road*

USE: Unsealed road

*Earthquake*

USE: Seismic disturbance

**Earthworks**

UF: Grading of earthworks  
NT: Dredging  
Grading  
Land clearance  
RT: Construction  
Embankment  
Pile driving

**Ecodriving**

BT: Driver behaviour  
RT: Fuel consumption

**Econometrics**

RT: Statistical analysis

**Economic analysis**

UF: Economic evaluation  
NT: Cost benefit analysis  
RT: Economics  
Economies of scale  
Evaluation

**Economic development**

UF: Development  
RT: Business  
Economics  
Economies of scale  
Industry  
Sustainable development

**Economic efficiency**

RT: Cost benefit analysis  
Economies of scale  
Efficiency

*Economic evaluation*

USE: Economic analysis

## Economics

- NT: Accounting  
Cost  
Crash economics  
Fuel economics  
Land value  
Maintenance economics  
Profit  
Road economics  
Tariff  
Tax  
Transport economics  
RT: Economic analysis  
Economic development  
Economies of scale  
Funding  
Growth rate  
Investment  
Socioeconomic factors

### *Economics of transport*

- USE: Transport economics

## Economies of scale

- RT: Cost  
Economic analysis  
Economic development  
Economic efficiency  
Economics

## Edge marking

- UF: Marginal strip  
BT: Delineation  
Pavement marking  
RT: Centre line  
Rumble strip

## EDP

- USE: Data processing

## Education

- UF: Curriculum  
Learning  
Training  
NT: Driver education  
Road user education  
RT: Accreditation  
Communication  
Personnel  
Public relations  
School  
University

### *Effects of alcohol*

- USE: Alcohol effects

## Efficiency

- UF: Output  
Productivity  
RT: Audit  
Economic efficiency  
Safety audit

## Ejection

- RT: Crash  
Injury  
Vehicle safety

## Elasticity

- UF: Resilience  
BT: Material properties  
RT: Modulus  
Strength

### *Elasticity modulus*

- USE: Modulus

### *Elasticity of demand*

- USE: Demand elasticity

## Elastomer

- BT: Plastics  
NT: Styrene butadiene styrene (SBS)  
RT: Rubber

### *Elderly driver*

- USE: Aged driver

### *Elderly people*

- USE: Aged person

### *Elderly person*

- USE: Aged person

## Electric bicycle

- UF: E-bike  
BT: Bicycle  
RT: Cycling  
Cyclist  
Electric vehicle  
Private transport

## Electric vehicle

- UF: EV  
Fuel cell vehicle  
Solar vehicle  
BT: Vehicle type  
RT: Battery  
Catenary  
Electric bicycle  
Hybrid vehicle  
Overhead contact  
Pantograph  
Vehicle range  
Vehicle recharging



### Electricity

BT: Public utilities  
RT: Catenary  
Energy  
Lighting  
Overhead contact  
Pantograph  
Solar energy

### Electromagnet

RT: Electronics  
Railway track

### Electronic data processing

USE: Data processing

### Electronic stability control (ESC)

UF: Electronic stability program  
BT: Vehicle stability  
RT: Overturning  
Vehicle electronics  
Vehicle handling  
Vehicle safety

### Electronic stability program

USE: Electronic stability control (ESC)

### Electronic toll collection

USE: Automatic toll collection

### Electronics

NT: Vehicle electronics  
RT: Communications  
Electromagnet  
Privacy  
Radio  
Sensor  
Smart card  
Transponder

### Elution

USE: Chromatography

### Embankment

RT: Backfill  
Earthworks  
Fill  
Geotextile  
Retaining wall  
Settlement  
Slope stability  
Soil nailing

### Emergency

RT: Disaster management  
Emergency services  
Emergency transport  
Emergency vehicle  
Evacuation

### Emergency services

UF: Ambulance service  
Fire brigade  
NT: Police  
RT: Emergency  
Emergency transport

### Emergency transport

RT: Emergency  
Emergency services  
Emergency vehicle

### Emergency vehicle

UF: Fire engine  
Police car  
BT: Vehicle type  
NT: Ambulance  
RT: Emergency  
Emergency transport  
First aid  
Police

### Emissions control

RT: Vehicle emissions  
Vehicle regulations

### Empirical design

BT: Pavement design  
RT: Mechanistic design

### Employee

USE: Personnel

### Employment

UF: Unemployment  
Work  
RT: Contractor  
Hours of work  
Industrial relations  
Journey to work  
Personnel  
Telecommuting

### Emulsion

NT: Breaking of emulsion  
RT: Bitumen

### Energy

RT: Electricity  
Energy absorption  
Energy conservation  
Energy consumption  
Force  
Lighting

### Energy absorption

BT: Material properties  
RT: Absorption  
Energy

**Energy conservation**

RT: Alternative fuel  
Energy  
Fuel consumption  
Operating costs

**Energy consumption**

RT: Energy  
Fuel consumption

**Energy generation**

**Engine**

UF: Motor  
Two stroke engine  
BT: Vehicle component  
NT: Diesel engine  
RT: Combustion  
Engine capacity  
Engine design  
Engine performance  
Fuel  
Idling

**Engine capacity**

RT: Engine  
Engine design  
Engine performance

**Engine design**

RT: Air fuel mixture  
Engine  
Engine capacity  
Engine performance  
Fuel injection  
Hybrid vehicle

**Engine performance**

RT: Cold starting  
Engine  
Engine capacity  
Engine design  
Fuel consumption

**Engineering**

NT: Civil engineering  
Mechanical engineering  
RT: Engineering history  
Reliability

**Engineering history**

BT: History  
RT: Engineering  
Road development

**Entrance**

RT: Access management  
Access road  
Car park  
Driveway  
Exit  
Intersection  
Tunnel

**Environment**

NT: Greenhouse effect  
RT: Biodiversity  
Built environment  
Climate  
Environmental effects  
Environmental impact assessment (EIA)  
Habitat  
Landscaping  
Noise  
Ozone  
Pollution  
Sustainability  
Sustainable development  
Sustainable transport  
Vehicle emissions

*Environment (road)*

USE: Road environment

**Environmental effects**

RT: Environment  
Environmental impact assessment (EIA)  
Life cycle assessment  
Noise  
Pollution

**Environmental impact assessment (EIA)**

RT: Environment  
Environmental effects  
Habitat  
Impact study  
Land use  
Road planning  
Transport planning

*Epilepsy*

USE: Illness

**Epoxy resin**

RT: Adhesive

*Equator*

USE: Tropics

**Equilibrium**

RT: Chemical reaction  
Landslide  
Stability



**Equipment**

NT: Construction equipment  
Maintenance equipment  
Measuring equipment

**Equity**

UF: Social equity

**Equivalent standard axle (ESA)**

RT: Axle load  
Traffic load

**Ergonomics**

UF: Human engineering  
Office ergonomics  
NT: Comfort  
RT: Human body

**Erosion**

UF: Scour  
RT: Bridge pier  
Deterioration  
Rock  
Soil  
Wind

**Error**

RT: Accuracy  
Calibration  
Correction  
Mathematics  
Measurement

*Escape ramp*

USE: Arrester bed

*Esthetics*

USE: Aesthetics

**Ethanol**

UF: Ethyl alcohol  
BT: Alcohol

**Ethics**

RT: Management  
Social responsibility

*Ethnic group*

USE: Ethnicity

**Ethnicity**

UF: Ethnic group  
Race  
Racial aspects  
RT: Indigenous Australian

*Ethyl alcohol*

USE: Ethanol

**European standard**

RT: Standardization

*EV*

USE: Electric vehicle

**Evacuation**

RT: Disaster management  
Emergency

**Evaluation**

NT: Feasibility study  
Pavement evaluation  
Project evaluation  
RT: Before and after study  
Economic analysis  
Performance indicators

*Evaluation and review technique program*

USE: Critical path method

**Evaporation**

BT: Chemical reaction  
RT: Steam  
Water

*Evenness*

USE: Roughness

**Excavation pit**

UF: Construction pit  
Test pit  
Trench  
RT: Site investigation

**Excavation process**

UF: Quarrying  
NT: Blasting  
Crushing  
Quarry  
Sieving

*Excess load*

USE: Overloaded vehicle

*Excessive speed*

USE: Speeding

**Exclusive right of way**

RT: Bus lane  
Dual mode  
Guideway  
HOV lane  
Priority traffic  
Tram

**Exercise**

UF: Physical exercise  
RT: Health

*Exhaust fumes*

USE: Vehicle emissions

**Exit**

RT: Access management  
Access road  
Car park  
Driveway  
Entrance  
Freeway  
Interchange

**Expansion**

RT: Concrete  
Consolidation  
Expansive clay  
Joint  
Shrinkage

**Expansion joint**

SN: Assembly designed to safely absorb the heat-induced expansion and contraction of construction materials.  
BT: Joint  
RT: Bridge

**Expansive clay**

UF: Keramsite  
Leca  
BT: Clay  
RT: Aggregate  
Expansion

**Expenditure**

RT: Budget  
Cost  
Revenue  
Subsidy

*Experiment*

USE: Test

*Experimental road*

USE: Pavement testing

*Expert system*

USE: Knowledge based system

**Exposure**

RT: Crash  
Travel behaviour  
Vehicle kilometre

*Expressway*

USE: Freeway

*Extensometer*

USE: Strain gauge

*Eye*

USE: Vision

**Eye height**

BT: Height

**Eye movement**

UF: Rapid eye movement  
REM  
Visual search  
RT: Vision

*Face*

USE: Human face

**Failure**

UF: Rupture  
NT: Bridge failure  
RT: Buckling  
Compression  
Damage  
Pavement performance  
Strength

*Failure to stop after crash*

USE: Hit and run crash

*Falling weight deflectometer*

USE: Deflectometer

*Falsework*

USE: Scaffolding

**Fare**

BT: Transport costs  
RT: Fare collection  
Free of charge  
Payment  
Ticket

**Fare collection**

NT: Automatic fare collection  
RT: Fare  
Payment

*Fat lime*

USE: Lime

**Fatality**

UF: Casualty  
Death  
Mortality  
Road toll  
BT: Medical aspects  
RT: Crash  
Crash severity  
Fatality rate  
Injury



**Fatality rate**

UF: Death rate  
RT: Crash rate  
Fatality  
Injury rate

*Father*

USE: Parent

*Fatigue*

USE: Human fatigue  
Material fatigue

*Fauna*

USE: Animal

*FDAP*

USE: Full depth asphalt pavement

**Feasibility study**

UF: Study  
BT: Evaluation

*Federal government*

USE: National government

**Female**

UF: Woman  
BT: Driver characteristics  
Road user characteristics  
RT: Male

*Female and/or male*

USE: Gender

*Fence*

USE: Safety fence

**Ferry**

BT: Vehicle type  
RT: River transport  
Sea transport

**Fibre**

RT: Fibreglass  
Glass

**Fibre optics**

RT: Telecommunications

**Fibre reinforced polymer**

UF: FRP  
BT: Polymer  
RT: Composite

**Fibreglass**

RT: Fibre  
Glass

*Field of vision*

USE: Visual field

**Field study**

SN: To be used for human factors studies only  
UF: Observational study  
Observational survey  
Study  
Survey  
RT: Data collection  
Field test

**Field test**

UF: In situ test  
BT: Test  
RT: Case study  
Field study  
Laboratory test  
Material testing  
Test method

**Fill**

RT: Backfill  
Embankment

**Filler**

UF: Powder  
Stone dust  
BT: Aggregate  
RT: Dust

*Filling station*

USE: Service station

**Filter**

UF: Filtration

*Filtration*

USE: Filter

*Financing*

USE: Funding

*Fine*

USE: Penalty

*Fine slag*

USE: Slag

*Fineness modulus*

USE: Particle size distribution

**Fines**

SN: Smaller size particles in a pavement mixture  
RT: Aggregate  
Soil

*Finisher*

USE: Paver

*Finishing*

USE: Surface finishing

**Finite element method**

UF: Finite strip method  
BT: Modelling

*Finite strip method*

USE: Finite element method

**Fire**

UF: Fire damage  
RT: Flammability  
Security

*Fire brigade*

USE: Emergency services

*Fire damage*

USE: Fire

*Fire engine*

USE: Emergency vehicle

**First aid**

UF: Resuscitation  
BT: Medical aspects  
RT: Emergency vehicle

*Fissuring*

USE: Cracking

**Fitness to drive**

SN: Fitness to drive refers to a driver's physiological readiness to drive. For psychological readiness, see Driving aptitude.  
UF: Driving fitness  
BT: Physiology  
RT: Dementia  
Driving aptitude  
Driving cessation

*Fitting piece*

USE: Coupling

**Fixed time signals**

BT: Signal timing  
Traffic signal  
RT: Green light  
Red light  
Signalized intersection

**Flammability**

UF: Inflammability  
BT: Material properties  
RT: Fire

**Flashing light**

BT: Traffic signal  
RT: Vehicle turn indicator  
Warning

**Fleet management**

BT: Management  
RT: Company car  
Leasing  
Transport management  
Vehicle  
Vehicle relocation

*Flexibility*

USE: Stiffness

**Flexible hours**

UF: Staggered working hours  
RT: Journey to work  
Off peak hour  
Travel behaviour

*Flexible pavement*

USE: Bituminous pavement

*Flexure*

USE: Deflection

*Flood damage*

USE: Flooding

**Flooding**

UF: Flood damage  
RT: Damage  
Hydrology  
Rain  
Wet road

*Flora*

USE: Vegetation

**Flow**

UF: Soil flow  
BT: Rheology  
Soil mechanics  
RT: Drainage  
Hydraulics  
Water

*Flow rate*

USE: Discharge

**Fluorescence**

UF: Luminescence  
BT: Optics

*Flushing*

USE: Stripping

*Fluxed bitumen*

USE: Cut back bitumen



**Fly ash**

UF: Ash  
Pulverized fly ash  
Pulverized fuel ash  
BT: By product  
RT: Pozzolan

*Flyover*

USE: Interchange

*Flysch*

USE: Sandstone

**Foamed bitumen**

BT: Bitumen

**Focus group**

BT: Data collection  
RT: Research method

**Fog**

UF: Haze  
Mist  
BT: Weather  
RT: Smog

*Following distance*

USE: Vehicle spacing

**Foot**

BT: Human body  
RT: Leg

**Footbridge**

UF: Pedestrian bridge  
BT: Bridge  
Pedestrian facilities  
RT: Crossing the road  
Pedestrian  
Pedestrian crossing

**Footpath**

UF: Footway  
Sidewalk  
BT: Pedestrian facilities  
RT: Pedestrian  
Pedestrian precinct  
Shared path

*Footway*

USE: Footpath

**Force**

NT: Pumping  
RT: Energy  
Lateral acceleration

**Forecast**

UF: Prediction  
RT: Budget  
Modelling

*Forest road*

USE: Forestry road

**Forestry road**

UF: Forest road  
BT: Road type  
RT: Logging road  
Low cost road  
Low traffic road  
Rural road  
Unsealed road

**Fork intersection**

UF: Y junction  
BT: Intersection

**Formwork**

UF: Movable formwork  
Shuttering  
RT: Prefabrication

**Foundation**

BT: Geotechnical engineering  
NT: Bridge foundation  
Pile  
RT: Cofferdam  
Rock mechanics  
Settlement  
Soil mechanics  
Soil nailing  
Subgrade

*Foundation soil*

USE: Subsoil

**Four wheel drive**

UF: FWD  
BT: Vehicle type  
RT: Off road vehicle

*Fragmentation*

USE: Crushing

**Frame**

UF: Framework  
Portal frame  
RT: Portal frame bridge

*Frame bridge*

USE: Portal frame bridge

*Framework*

USE: Frame

**Frangible joint**

UF: Breakaway joint  
RT: Lighting column  
Roadside hazard

**Free of charge**

RT: Cost  
Fare

**Freeway**

UF: Expressway  
Motorway  
BT: Road type  
RT: Access road  
Divided road  
Exit  
Interchange  
Ramp metering  
Service area

**Freezing thawing cycle**

RT: Cold  
Frost  
Ice

**Freight**

UF: Cargo  
RT: Freight container  
Freight transport

**Freight container**

UF: Container  
RT: Freight  
Freight transport  
Intermodal transport

**Freight transport**

UF: Delivery  
Goods movement  
BT: Transport  
NT: Commercial vehicle operations  
(CVO)  
Wagon  
RT: Dangerous goods  
Freight  
Freight container  
Haulage  
Heavy vehicle  
Integrated transport  
Intermodal transport  
Logistics  
Long distance transport  
Transport depot

**Frequency**

RT: Transport performance

**Fretting**

USE: Stripping

**Friction**

NT: Coefficient of friction  
RT: Road surface properties  
Vehicle pavement interaction

**Friction angle**

USE: Coefficient of friction

**Friction course**

USE: Wearing course

**Front end crash**

USE: Head on crash

**Frontage road**

USE: Service road

**Frost**

RT: Cold  
Freezing thawing cycle  
Ice

**FRP**

USE: Fibre reinforced polymer

**Fuel**

UF: Fuel oil  
NT: Alcohol  
Alternative fuel  
Biofuel  
Compressed natural gas (CNG)  
Diesel fuel  
Liquefied natural gas (LNG)  
Liquefied petroleum gas (LPG)  
Octane number  
Petrol  
Vegetable oil  
RT: Combustion  
Engine  
Fuel consumption  
Fuel economics  
Fuel injection  
Fuel tax  
Hybrid vehicle  
Hydrogen  
Oil  
Tanker

**Fuel cell vehicle**

USE: Electric vehicle

**Fuel consumption**

UF: Fuel economy  
RT: Driving cycle  
Dynamometer  
Ecodriving  
Energy conservation  
Energy consumption  
Engine performance  
Fuel  
Operating costs

**Fuel costs**

UF: Fuel price  
BT: Cost  
Fuel economics  
RT: Operating costs  
Transport costs  
Vehicle costs



### Fuel economics

BT: Economics  
NT: Fuel costs  
RT: Fuel

### *Fuel economy*

USE: Fuel consumption

### Fuel injection

RT: Engine design  
Fuel

### *Fuel oil*

USE: Fuel

### *Fuel price*

USE: Fuel costs

### Fuel tax

UF: Petrol tax  
BT: Road user charges  
Tax  
RT: Fuel

### Full depth asphalt pavement

UF: FDAP  
Thick lift asphalt pavement  
BT: Bituminous pavement

### *Full scale pavement test*

USE: Pavement testing

### Funding

UF: Financing  
Grant  
NT: Private funding  
Research funding  
Road funding  
Transport funding  
RT: Budget  
Economics

### *Funnelling traffic*

USE: Merging traffic

### Fuzzy logic

UF: Fuzzy sets  
BT: Mathematics  
RT: Modelling

### *Fuzzy sets*

USE: Fuzzy logic

### *FWD*

USE: Deflectometer  
Four wheel drive

### Galvanization

RT: Coating

### Gap acceptance

SN: A human factors concept: a road user's preparedness to use the available headway.  
RT: Driver behaviour  
Headway  
Human factors  
Overtaking  
Road user behaviour  
Vehicle spacing

### Gas

BT: Physics  
NT: Compressed natural gas (CNG)  
Liquefied natural gas (LNG)  
Liquefied petroleum gas (LPG)  
RT: Air

### *Gasoline*

USE: Petrol

### *Gauge*

USE: Measuring equipment

### *Gear box*

USE: Vehicle transmission

### Gender

UF: Female and/or male

### *Generated traffic*

USE: Traffic generation

### *Geofabric*

USE: Geotextile

### Geographic information system (GIS)

UF: GIS  
BT: Computer program  
RT: Map

### Geogrid

RT: Geotextile  
Grid

### Geology

NT: Mineral  
Rock  
Soil  
RT: Geomorphology

**Geometric design**

UF: Road layout  
 BT: Design  
 Road design  
 NT: Alignment  
 Cross section  
 Curve  
 Gradient  
 Superelevation  
 RT: Layout  
 Road geometry  
 Visibility distance

*Geometry (road)*

USE: Road geometry

**Geomorphology**

NT: Landslide  
 Rock  
 Terrain  
 RT: Geology  
 Surveying

**Geotechnical engineering**

BT: Civil engineering  
 NT: Foundation  
 Rippability  
 Rock mechanics  
 Site investigation  
 Soil mechanics

**Geotextile**

UF: Geofabric  
 RT: Drainage  
 Embankment  
 Geogrid  
 Mesh  
 Reinforcement

*Ghost driving*

USE: Wrong way driving

*Girder*

USE: Beam

*GIS*

USE: Geographic information system (GIS)

**Give way sign**

UF: Yield sign  
 BT: Traffic sign  
 RT: Controlled intersection  
 Priority traffic  
 Stop sign

**Glare**

UF: Dazzle  
 RT: Headlight  
 Light intensity  
 Luminance  
 Street lighting

**Glass**

NT: Safety glass  
 Tinted glass  
 RT: Fibre  
 Fibreglass

**Glass beads**

RT: Pavement marking  
 Reflectorized material

*Glazed ice*

USE: Icy road

**Global positioning system (GPS)**

UF: GPS  
 RT: Navigation  
 Surveying

*Global warming*

USE: Greenhouse effect

*Glue*

USE: Adhesive

*Goods movement*

USE: Freight transport

*Government*

USE: Local government  
 National government  
 State government

*GPS*

USE: Global positioning system (GPS)

*Grade crossing*

USE: Level crossing

*Grade separated junction*

USE: Interchange

*Grader*

USE: Construction equipment

**Gradient**

BT: Geometric design  
 Longitudinal profile  
 RT: Climbing lane  
 Slope



### **Grading**

UF: Grading of roads  
BT: Earthworks  
Maintenance method  
RT: Unsealed road

### *Grading of earthworks*

USE: Earthworks

### *Grading of grain size*

USE: Particle size distribution

### *Grading of roads*

USE: Grading

### **Graduated licence**

UF: P-plate  
Provisional licence  
BT: Drivers licence  
RT: Driver performance  
Driver testing and licensing  
Driving experience  
Learner licence  
Novice driver

### *Graffiti*

USE: Offence

### *Grain*

USE: Particle

### *Grant*

USE: Funding

### **Granular**

BT: Soil  
RT: Particle

### *Granulated slag*

USE: Slag

### *Grass*

USE: Vegetation

### *Grauwacke*

USE: Sandstone

### **Gravel**

BT: Aggregate  
Pavement materials  
NT: Chippings  
RT: Arrester bed  
Unsealed road

### *Gravel road*

USE: Unsealed road

### *Gravimetry*

USE: Chemical analysis

### *Gravity model*

USE: Modelling

### *Graywacke*

USE: Sandstone

### *Grease*

USE: Lubrication

### **Green light**

BT: Traffic signal  
RT: Colour  
Fixed time signals  
Linked signals  
Red light  
Signal timing  
Vehicle actuated  
Yellow light

### *Green wave*

USE: Linked signals

### **Greenhouse effect**

UF: Global warming  
BT: Environment  
RT: Carbon dioxide  
Carbon dioxide equivalent  
Climate  
Climate change  
Vehicle emissions

### **Grid**

RT: Geogrid  
Mesh

### *Grid roller*

USE: Roller

### *Grinding*

USE: Crushing

### **Grinding (railway track)**

BT: Maintenance method  
Railway track

### *Grooving*

USE: Surface texture

### *Gross vehicle mass (GVM)*

USE: Vehicle weight

### *Ground movement*

USE: Settlement

### **Ground penetrating radar (GPR)**

BT: Non destructive test  
Radar

### *Ground slag*

USE: Slag

*Ground tyre rubber*

USE: Crumb rubber

**Ground water**

UF: Aquifer

BT: Water

**Grout**

UF: Slurry

RT: Bentonite

Cement

Concrete

**Growth rate**

RT: Economics

*GTR*

USE: Crumb rubber

*Guard rail*

USE: Safety fence

*Guidance (route)*

USE: Route guidance

*Guide post*

USE: Marker post

*Guide rail*

USE: Safety fence

**Guided bus**

UF: O-Bahn

BT: Bus

RT: Bus lane

Dual mode

Guideway

**Guideway**

RT: Exclusive right of way

Guided bus

*Gully*

USE: Drainage

*Gunitite*

USE: Shotcrete

**Gutter**

BT: Drainage

**H beam**

BT: Beam

**Habitat**

RT: Animal

Biodiversity

Environment

Environmental impact assessment

(EIA)

*Hail damage*

USE: Damage

*Hairpin bend*

USE: Curve

*Half cloverleaf*

USE: Diamond interchange

**Hand**

BT: Human body

RT: Arm

*Handicapped person*

USE: Disabled person

**Haptics**

UF: Tactile

Vibrotactile

BT: Human machine interface

*Harbour*

USE: Port

*Hard shoulder*

USE: Shoulder

*Hardcore*

USE: Coarse aggregate

**Hardening**

UF: Accelerator (concrete)

BT: Setting

RT: Deterioration

**Hardness**

BT: Material properties

*Hardware*

USE: Computer hardware

**Haulage**

RT: Freight transport

Mining road

*Hazard*

USE: Risk

**Hazard perception**

BT: Perception

RT: Driver behaviour

*Hazardous goods*

USE: Dangerous goods

*Hazardous location*

USE: Crash black spot

*Hazardous materials*

USE: Dangerous goods

*Haze*

USE: Fog

**Head**

BT: Human body  
NT: Human face  
RT: Brain

*Head injury*

USE: Injury

**Head on crash**

UF: Front end crash  
BT: Crash type  
RT: Offset crash

**Head rest**

UF: Headrest  
BT: Seat

**Headlight**

BT: Vehicle lighting  
NT: Dipped headlight  
Headlight setting  
RT: Daytime running lights  
Glare  
Luminance  
Vehicle turn indicator

**Headlight setting**

BT: Headlight  
RT: Dipped headlight

*Headrest*

USE: Head rest

**Headroom**

RT: Height

**Headway**

UF: Tailgating  
Time interval  
Time lag  
RT: Car following  
Gap acceptance  
Vehicle spacing

**Health**

UF: Hygiene  
BT: Medical aspects  
NT: Occupational health  
RT: Exercise  
Hospital  
Illness  
Medical treatment  
Toxicity

**Hearing**

UF: Deafness  
Ear  
BT: Human body  
RT: Acoustics  
Disabled person

*Heart*

USE: Human body

*Heart disease*

USE: Illness

**Heat**

BT: Material properties  
RT: Cold  
Physics  
Temperature

*Heating (road)*

USE: Road heating

**Heavy duty pavement**

BT: Pavement  
RT: Industrial area  
Port  
Runway

**Heavy haul**

SN: Used in the railway sense only  
RT: Rail transport  
Train

**Heavy vehicle**

UF: Commercial vehicle  
BT: Vehicle type  
NT: Articulated vehicle  
B double  
B triple  
Bus  
Logging vehicle  
Overdimensional vehicle  
Road train  
Tanker  
Truck  
RT: Freight transport  
Heavy vehicle driver  
Heavy vehicle simulator (HVS)  
Performance based standard (PBS)  
Underride prevention  
Vehicle regulations  
Vehicle weight

**Heavy vehicle driver**

UF: Truck driver  
BT: Driver  
RT: Bus driver  
Heavy vehicle



**Heavy vehicle simulator (HVS)**

BT: Test rig  
RT: Heavy vehicle  
Pavement testing

*Heavy vehicle tax*

USE: Road user charges

**Height**

UF: High  
BT: Dimension  
NT: Eye height  
RT: Depth  
Headroom

*Helicopter*

USE: Aircraft

**Helmet**

UF: Crash helmet  
Protective helmet  
BT: Vehicle safety  
RT: Anthropometry  
Helmet usage  
Injury prevention

**Helmet usage**

RT: Cyclist  
Driver behaviour  
Helmet  
Motorcyclist  
Road user behaviour

*Herbicide*

USE: Weedkilling

*Heritage*

USE: Cultural heritage

*High*

USE: Height

**High occupancy vehicle (HOV)**

UF: HOV  
NT: Bus  
RT: Bus lane  
Car pooling  
HOV lane

**High speed**

RT: Speed

**High strength**

BT: Strength  
RT: Bolt

**High traffic road**

UF: High volume road  
RT: Low traffic road  
Traffic flow  
Urban road

*High volume road*

USE: High traffic road

**Highway**

BT: Road type  
RT: Divided road

*Highway code*

USE: Traffic regulations

*Highway design*

USE: Road design

*Highway maintenance*

USE: Road maintenance

**Hip**

UF: Pelvis  
BT: Human body

*Hire*

USE: Leasing

**History**

NT: Engineering history  
RT: Cultural heritage

**Hit and run crash**

UF: Failure to stop after crash  
BT: Crash type

**Holiday period**

RT: Tourism

*Hollow girder*

USE: Box girder

*Home interview*

USE: Data collection

*Home location*

USE: Place of residence

**Hospital**

RT: Crash record  
Health  
Illness  
Medical treatment

**Hot mix**

RT: Asphalt  
Cold mix  
Warm mix

*Hotel*

USE: Licensed premises

**Hour**

BT: Time  
RT: Time of day



### Hours of work

- UF: Working hours
- RT: Driving hours
- Employment
- Log book
- Management
- Occupational health
- Rest period
- Sleep patterns

### Household

- RT: Dwelling
- Place of residence

### Housing

- USE: Dwelling

### HOV

- USE: High occupancy vehicle (HOV)

### HOV lane

- UF: Transit lane
- BT: Traffic lane
- NT: Bus lane
- RT: Exclusive right of way
- High occupancy vehicle (HOV)
- Multilane

### Human body

- UF: Heart
- Human joint
- Human organ
- NT: Abdomen
- Arm
- Bone
- Brain
- Cadaver
- Foot
- Hand
- Head
- Hearing
- Hip
- Human face
- Knee
- Leg
- Neck
- Physiology
- Posture
- Spinal column
- Thorax
- Vision
- RT: Anthropometry
- Ergonomics
- Human fatigue
- Human stress
- Human tolerance
- Injury
- Injury cause

### Human engineering

- USE: Ergonomics

### Human exposure

- USE: Human tolerance

### Human face

- UF: Face
- BT: Head
- Human body

### Human factors

- BT: Psychology
- Sociology
- NT: Human fatigue
- Personality
- Risk taking
- RT: Car following
- Cognitive load
- Crash cause
- Driver behaviour
- Gap acceptance
- Human machine interface
- Road user behaviour

### Human fatigue

- UF: Driver fatigue
- Drowsiness
- Fatigue
- Sleepiness
- Tiredness
- BT: Human factors
- RT: Driver performance
- Driving hours
- Human body
- Human stress
- Human tolerance
- Rest period
- Sleep apnoea
- Sleep patterns

### Human joint

- USE: Human body

### Human machine interface

- UF: Computer interface
- Driver interface
- Interface
- Man machine interface
- RT: Advanced driver information systems (ADIS)
- Advanced traveler information systems (ATIS)
- Cognitive load
- Computer hardware
- Computer program
- Driving simulator
- Human factors
- Non driving related activity
- Video

*Human organ*

USE: Human body

*Human resource management*

USE: Management

**Human stress**

BT: Psychology  
RT: Human body  
Human fatigue

**Human tolerance**

UF: Human exposure  
RT: Human body  
Human fatigue  
Physiology

*Humidity*

USE: Moisture content

*Humus*

USE: Soil

**Hveem**

BT: Test method  
RT: Stability

**Hybrid vehicle**

UF: PHEV  
Plug in hybrid electric vehicle  
BT: Vehicle type  
RT: Electric vehicle  
Engine design  
Fuel  
Vehicle range

*Hydrate*

USE: Hydration

*Hydrated lime*

USE: Lime

**Hydration**

UF: Hydrate  
BT: Chemical reaction

**Hydraulics**

UF: Hydromechanics  
BT: Rheology  
RT: Flow

**Hydrocarbon**

NT: Petroleum  
RT: Vehicle emissions

**Hydrogen**

RT: Alternative fuel  
Fuel

*Hydrogeology*

USE: Hydrology

**Hydrology**

UF: Catchment area  
Hydrogeology  
NT: Discharge  
RT: Drainage  
Flooding  
Rain  
Water

**Hydrolysis**

RT: Chemical reaction

*Hydromechanics*

USE: Hydraulics

*Hydroplaning*

USE: Aquaplaning

*Hygiene*

USE: Health

**I beam**

BT: Beam

**Ice**

BT: Weather  
RT: Freezing thawing cycle  
Frost

**Icy road**

UF: Black ice  
Glazed ice  
RT: Deicing salt

*Ideogram*

USE: Symbol

**Idling**

RT: Engine  
Vehicle emissions

**Ignition**

UF: Pinking  
Spark plug  
BT: Vehicle component  
RT: Cold starting

**Ignition interlock**

UF: Immobilization of vehicle  
Interlock  
RT: Blood alcohol content

*Illegal drug*

USE: Illicit drug

**Illicit drug**

UF: Illegal drug  
BT: Drug  
RT: Marijuana



## **Illness**

UF: Cancer  
Cardiac disorder  
Diabetes  
Epilepsy  
Heart disease  
BT: Medical aspects  
NT: Sleep apnoea  
RT: Health  
Hospital  
Medical treatment

## *Image analysis*

USE: Image processing

## *Image generation*

USE: Image processing

## **Image processing**

UF: Computer vision  
Image analysis  
Image generation  
Machine vision  
RT: Data processing  
Video

## *Immobilization of vehicle*

USE: Ignition interlock

## **Impact study**

UF: Study  
Traffic impact study  
RT: Before and after study  
Environmental impact assessment (EIA)

## *Impact test*

USE: Crash test

## *Impact tolerance*

USE: Crashworthiness

## *Impairment*

USE: Disabled person

## *Impounding*

USE: Vehicle impounding

## *Imprisonment*

USE: Penalty

## **Improvement**

NT: Driver improvement  
Road improvement

## *Impulsion*

USE: Vibration

## *Impurity*

USE: Pollution

## *In situ test*

USE: Field test

## *Inattention*

USE: Distraction

## *Inbound traffic*

USE: Traffic direction

## **Incentive**

RT: Contract  
Deterrence  
Driver behaviour  
Motivation

## **Incident detection**

BT: Detection  
Traffic management  
NT: Automatic incident detection  
RT: Crash  
Incident management

## **Incident management**

BT: Traffic management  
RT: Incident detection

## *Incineration*

USE: Combustion

## **Income**

NT: Low income  
RT: Cost recovery  
Revenue

## **Indigenous Australian**

UF: Aboriginal  
Aborigines  
Torres Strait Islanders  
RT: Ethnicity

## *Indirect tensile test*

USE: Splitting tensile test

## *Inductive loop*

USE: Loop detector

## **Industrial area**

BT: Land use  
RT: Heavy duty pavement

## **Industrial relations**

NT: Strike  
RT: Employment  
Management  
Personnel

## **Industry**

NT: Vehicle industry  
RT: Economic development

*Inexperienced driver*

USE: Novice driver

**Infant**

UF: Baby

RT: Age

Child

*Infant restraint*

USE: Child restraint

*Infiltration*

USE: Seepage

*Inflammability*

USE: Flammability

**Information management**

BT: Management

RT: Information retrieval

Information science

Knowledge

**Information retrieval**

RT: Database

Information management

Thesaurus

**Information science**

RT: Information management

**Infrastructure**

RT: Asset management

Public private partnership

Public utilities

Road planning

Transport planning

**Inhibitor**

RT: Corrosion

*Injunction*

USE: Litigation

**Injury**

UF: Casualty

Head injury

BT: Medical aspects

NT: Whiplash

RT: Crash

Ejection

Fatality

Human body

Injury cause

Injury prevention

Injury rate

Injury severity

Medical treatment

**Injury cause**

RT: Crash

Human body

Injury

Vehicle safety

**Injury prevention**

UF: Countermeasure

Driver protection

BT: Prevention

Vehicle safety

RT: Crash countermeasure

Helmet

Injury

Restraint

**Injury rate**

RT: Crash rate

Fatality rate

Injury

**Injury severity**

RT: Crash severity

Crashworthiness

Injury

Vehicle aggressivity

Vehicle compatibility

*Inland waterway*

USE: River

**Innovation**

RT: Intellectual property

Patent

Prototype

Research and development

Technology

**Inspection**

NT: Bridge inspection

Vehicle inspection

RT: Visual assessment

**Installation**

RT: Removal

*Instrument*

USE: Measuring equipment

**Instrument panel**

UF: Dashboard

BT: Vehicle component

RT: Vehicle electronics

*Instrumentation*

USE: Measuring equipment

**Instrumented vehicle**

BT: Vehicle

RT: Data collection

Measuring equipment



# **Insulation**

RT: Noise  
Temperature

# **Insurance**

UF: Vehicle insurance  
RT: Cost  
Crash compensation  
Crash costs  
Legislation  
Risk management  
Vehicle costs

# **Integrated transport**

SN: Use for a combination of modes  
within an overall transport system.  
NT: Transport mode  
RT: Freight transport  
Intermodal transport  
Passenger transport

# **Intellectual property**

RT: Copyright  
Innovation  
Knowledge  
Patent

# **Intelligent speed adaptation (ISA)**

BT: Intelligent transport systems (ITS)  
RT: Adaptive cruise control (ACC)  
Speed control

# **Intelligent transport systems (ITS)**

UF: Advanced transport telematics  
ATT  
ITS  
IVHS  
Road transport informatics  
RTI  
NT: Adaptive cruise control (ACC)  
Advanced driver information  
systems (ADIS)  
Advanced public transportation  
systems (APTS)  
Advanced traffic management  
systems (ATMS)  
Advanced traveler information  
systems (ATIS)  
Advanced vehicle control systems  
(AVCS)  
Automated highway systems  
(AHS)  
Automatic incident detection  
Automatic toll collection  
Automatic vehicle identification  
(AVI)  
Automatic vehicle location (AVL)  
Automatic vehicle monitoring  
(AVM)

*(Continued in next column)*

# **Intelligent transport systems (ITS) (Continued)**

NT: *(Continued)*  
Commercial vehicle operations  
(CVO)  
Crash avoidance system  
Intelligent speed adaptation (ISA)  
RT: Communications  
Navigation  
Privacy  
Route guidance  
Smart card  
System architecture  
Traffic management  
Vehicle design  
Vehicle detector  
Vehicle monitoring  
Vehicle to roadside  
communications  
Vehicle to vehicle communications

# **Interchange**

UF: Flyover  
Grade separated junction  
BT: Intersection  
NT: Diamond interchange  
RT: Access road  
Bridge  
Exit  
Freeway

# **Intercity**

USE: Interurban

# **Interface**

USE: Human machine interface  
Structural interface

# **Interlock**

USE: Ignition interlock

# **Intermodal transport**

UF: Combined transport  
Multimodal transport  
Piggyback transport  
BT: Transport mode  
RT: Freight container  
Freight transport  
Integrated transport  
Passenger transport

# **International**

RT: International comparison  
International standard  
International tourist

# **International comparison**

RT: International

**International roughness index (IRI)**

UF: IRI  
BT: Roughness

**International standard**

RT: International  
Standardization

**International tourist**

BT: Tourist  
RT: International  
Tourism

**Internet**

UF: World Wide Web  
WWW  
RT: Computer network  
Social media

**Interregional**

BT: Region

**Intersection**

UF: Junction  
NT: Controlled intersection  
Cross roads  
Diamond interchange  
Fork intersection  
Interchange  
Level crossing  
Roundabout  
Signalized intersection  
T intersection  
Uncontrolled intersection  
Unsignalized intersection  
RT: Channelization  
Conflict method  
Dilemma zone  
Entrance  
Link  
Mid block  
Traffic capacity  
Traffic sign  
Turn

*Intersection channelization*

USE: Channelization

**Interstate**

RT: Intrastate

**Interurban**

UF: Intercity  
RT: Urban area

**Interview**

BT: Data collection  
RT: Research method

**Intrastate**

RT: Interstate

**Inventory**

NT: Bridge inventory  
Road inventory  
Traffic sign inventory

**Investment**

RT: Economics  
Road funding  
Transport funding

*Involvement rate*

USE: Crash rate

*IRI*

USE: International roughness index (IRI)

**Iron**

BT: Metal

**Isotropic**

UF: Anisotropic  
BT: Material properties

*ITS*

USE: Intelligent transport systems (ITS)

*IVHS*

USE: Intelligent transport systems (ITS)

**Jack knifing**

RT: Anti lock braking  
Coefficient of friction  
Crash  
Vehicle safety  
Vehicle stability  
Yawing

*Jitney*

USE: Shared taxi

**Joint**

NT: Expansion joint  
RT: Bridge  
Concrete pavement  
Dowel  
Expansion  
Joint sealing

*Joint filler*

USE: Joint sealing



**Joint sealing**

UF: Joint filler  
Sealant  
Sealing compound  
RT: Joint

**Journey length**

UF: Length  
BT: Travel behaviour  
RT: Driving hours  
Travel time

**Journey purpose**

BT: Travel behaviour  
RT: Departure time  
Journey to work  
Recreation  
Shopping  
Tourism  
Trip chaining

*Journey time*

USE: Travel time

**Journey to work**

UF: Commuter  
Commuting traffic  
BT: Travel behaviour  
RT: Car pooling  
Company car  
Employment  
Flexible hours  
Journey purpose  
Peak hour  
Place of work  
Telecommuting

*Judgment*

USE: Decision process

*Junction*

USE: Intersection

*Kaolinisation*

USE: Weathering

**KBS**

USE: Knowledge based system

*Keramsite*

USE: Expansive clay

**Kerb**

UF: Barrier kerb  
Curb  
BT: Pavement

**Kerosene**

RT: Cutter

*Kinking*

USE: Buckling

**Knee**

BT: Human body  
RT: Leg

**Knowledge**

RT: Comprehension  
Information management  
Intellectual property

**Knowledge based system**

UF: Expert system  
KBS  
BT: Computer program  
RT: Decision support

**Laboratory study**

SN: To be used for human factors studies only.  
UF: Observational study  
Observational survey  
Study  
Survey  
RT: Data collection  
Laboratory test

**Laboratory test**

BT: Test  
RT: Field test  
Laboratory study  
Material testing  
Test method

*Labour dispute*

USE: Strike

*Lacquer*

USE: Paint

*Laminated glass*

USE: Safety glass

*Lamp post*

USE: Lighting column

**Land acquisition**

UF: Compulsory purchase  
Land purchase  
RT: Land use  
Road planning  
Transport planning

**Land clearance**

UF: Clearance of land  
BT: Earthworks

*Land purchase*

USE: Land acquisition

**Land reclamation**

RT: Land use

**Land use**

NT: Agriculture  
Business district  
Industrial area  
Motel  
Residential area  
Shopping centre  
RT: Business  
Environmental impact assessment (EIA)  
Land acquisition  
Land reclamation  
Land value  
Population density  
Regional planning  
Rural area  
Town  
Town centre  
Town planning  
Transport planning  
Urban area  
Urban consolidation  
Wetlands

**Land value**

UF: Property value  
BT: Economics  
RT: Land use

**Landscaping**

RT: Aesthetics  
Environment  
Median  
Noise barrier  
Roadside  
Vegetation

**Landslide**

UF: Rockfall  
BT: Geomorphology  
RT: Equilibrium  
Slope stability

*Lane*

USE: Traffic lane

**Lane changing**

BT: Driver behaviour  
RT: Traffic lane  
Vehicle turn indicator

**Lane closure**

UF: Closure  
RT: Road closure  
Traffic control  
Traffic diversion  
Traffic lane

**Lane departure**

UF: Drifting  
RT: Lateral position  
Run off the road crash  
Vehicle trajectory

**Lantern**

UF: Luminaire  
BT: Street lighting  
RT: Light intensity  
Lighting column

*Lap strap*

USE: Seat belt

**Laser**

UF: Maser  
BT: Optics

**Lateral acceleration**

BT: Acceleration  
RT: Curve  
Force  
Yawing

*Lateral crash*

USE: Sideways crash

**Lateral position**

RT: Driver behaviour  
Lane departure  
Traffic lane  
Vehicle trajectory

**Laterite**

BT: Soil

*Latex*

USE: Rubber

*LATM*

USE: Local area traffic management

**Launching**

BT: Construction method  
RT: Scaffolding

*Law*

USE: Legislation

*Law case*

USE: Litigation



# **Law enforcement**

BT: Legislation  
RT: Blood test  
Breath test  
Deterrence  
Offence  
Offender  
Penalty  
Police  
Radar  
Red light camera  
Speed camera  
Traffic regulations

## *Lawsuit*

USE: Litigation

# **Laying**

UF: Placement of material  
RT: Spreading

# **Layout**

RT: Car park  
Geometric design  
Residential area  
Town planning

## *LCV*

USE: Light commercial vehicle

# **Lead**

RT: Paint  
Unleaded petrol  
Vehicle emissions

## *Lead free petrol*

USE: Unleaded petrol

# **Lean concrete**

BT: Concrete

# **Learner driver**

BT: Driver  
RT: Driver testing and licensing  
Driver training  
Novice driver  
Supervising driver  
Young driver

# **Learner licence**

UF: Learner permit  
Learners licence  
Learners permit  
BT: Drivers licence  
RT: Driver testing and licensing  
Driving experience  
Graduated licence

## *Learner permit*

USE: Learner licence

## *Learners licence*

USE: Learner licence

## *Learners permit*

USE: Learner licence

## *Learning*

USE: Education

# **Leasing**

UF: Hire  
Letting  
RT: Contract  
Fleet management  
Vehicle

## *Leca*

USE: Expansive clay

## *Left turn*

USE: Turn

# **Leg**

BT: Human body  
RT: Foot  
Knee

## *Legal action*

USE: Litigation

# **Legibility**

RT: Comprehension  
Conspicuity  
Lettering  
Perception  
Sign  
Traffic sign

# **Legislation**

UF: Law  
NT: Law enforcement  
Offence  
Traffic regulations  
RT: Blood alcohol content  
Consumer protection  
Copyright  
Drivers licence  
Insurance  
Speed limit  
Vehicle regulations

## *Leisure*

USE: Recreation

## *Length*

USE: Bridge length  
Journey length  
Queue length  
Road length  
Vehicle length

**Lettering**

RT: Legibility  
Sign  
Symbol  
Traffic sign

*Letting*

USE: Leasing

**Level crossing**

UF: Grade crossing  
Railway crossing  
BT: Intersection  
RT: Railway track

**Level of service**

SN: Use in a road traffic capacity sense only; for public transport service levels, use Transport performance  
UF: LOS  
Service levels  
RT: Operating costs  
Overtaking  
Speed  
Traffic capacity  
Traffic flow  
Travel time

*Levelling*

USE: Surveying

*Liability*

USE: Responsibility

**Library service**

*Licence*

USE: Drivers licence

*Licence plate*

USE: Number plate

**Licence suspension**

UF: Confiscation of drivers licence  
Disqualified driver  
Suspended driver  
BT: Drivers licence  
Penalty  
RT: Offence  
Point demerit system  
Unlicensed driver  
Unlicensed motorcyclist

**Licensed premises**

UF: Hotel  
Restaurant  
RT: Alcohol availability

*Licensing*

USE: Permit

**Lidar**

UF: Light detection and ranging  
BT: Measuring equipment  
RT: Radar

**Life cycle assessment**

SN: Comprehensive examination of the environmental and economic effects of a product at every stage of its existence.  
RT: Environmental effects  
Life cycle costs

**Life cycle costs**

SN: Economic assessment of competing design alternatives over the economic life of each alternative.  
BT: Cost  
RT: Life cycle assessment  
Maintenance economics  
Road costs

*Lifetime*

USE: Durability

**Lifting bridge**

UF: Movable bridge  
BT: Bridge  
RT: Curved bridge

**Light commercial vehicle**

UF: Commercial vehicle  
Delivery vehicle  
LCV  
Panel van  
Pickup truck  
Ute  
Utility vehicle  
Van  
BT: Vehicle type

*Light detection and ranging*

USE: Lidar

**Light intensity**

UF: Candela  
Candle power  
Luminous intensity  
BT: Lighting  
RT: Glare  
Lantern  
Luminance  
Optics



### Light rail transport

UF: LRT  
BT: Transport mode  
NT: Tram  
RT: Pantograph  
Rail transport  
Railway track  
Rapid transit

### Lighting

NT: Light intensity  
Street lighting  
Tunnel lighting  
Vehicle lighting  
RT: Electricity  
Energy  
Lighting column  
Optics

### Lighting column

UF: Lamp post  
Luminaire support  
BT: Street lighting  
RT: Frangible joint  
Lantern  
Lighting  
Pole

### Lignite

USE: Coal

### Lime

UF: Caustic lime  
Fat lime  
Hydrated lime  
Quick lime  
Slaked lime  
RT: Binder  
Binder content  
Stabilization

### Limestone

UF: Calcareous tuff  
BT: Rock

### Limit states design

RT: Bridge design  
Structural design

### Line closure

UF: Closing down (transport line)  
Closure  
Route closure  
RT: Transport line

### Line marking

USE: Pavement marking

### Linemarker

USE: Pavement marking

### Link

RT: Intersection  
Mid block  
Road network  
Traffic flow

### Linked signals

UF: Coordinated signals  
Green wave  
BT: Signal timing  
Traffic signal  
RT: Area traffic control  
Green light  
Red light  
Signalized intersection

### Liquefied natural gas (LNG)

UF: LNG  
BT: Fuel  
Gas  
RT: Alternative fuel  
Compressed natural gas (CNG)

### Liquefied petroleum gas (LPG)

UF: LP gas  
LPG  
BT: Fuel  
Gas  
RT: Alternative fuel  
Compressed natural gas (CNG)

### Liquid limit

BT: Material properties  
RT: Soil mechanics

### Literature review

UF: Literature survey

### Literature survey

USE: Literature review

### Litigation

UF: Court case  
Injunction  
Law case  
Lawsuit  
Legal action  
Prosecution  
Writ  
RT: Responsibility

### LNG

USE: Liquefied natural gas (LNG)

## Load

- UF: Loading
- NT: Axle load
  - Bridge loads
  - Concentrated loading
  - Distributed loading
  - Dynamic loading
  - Load damage relationship
  - Repetitive loading
  - Static loading
  - Traffic load
- RT: Deflection
  - Strength
  - Stress
  - Vibration

## Load carrying capacity

- USE: Bearing capacity

## Load damage relationship

- BT: Damage
  - Load
- RT: Vehicle bridge interaction
  - Vehicle pavement interaction

## Load removal

- USE: Decompression

## Loading

- USE: Load

## Local area traffic management

- UF: Area wide traffic management
  - LATM
  - Traffic calming
- BT: Traffic management
- RT: Area traffic control
  - Residential area
  - Road hump
  - Speed control
  - Street
  - Traffic control devices
  - Traffic restraint

## Local government

- UF: City council
  - Council
  - Government
  - Municipal council
  - Shire council
- RT: National government
  - Public sector
  - State government

## Local materials

- RT: Natural resources
  - Road materials

## Location

- NT: Place of residence
  - Place of work
  - Road location
- RT: Crash black spot

## Locked wheel

- USE: Wheel locking

## Locomotive

- USE: Train

## Log book

- UF: Logbook
- BT: Documentation
- RT: Driver testing and licensing
  - Driving hours
  - Hours of work

## Log truck

- USE: Logging vehicle

## Logbook

- USE: Log book

## Logging road

- BT: Road type
- RT: Forestry road
  - Logging vehicle

## Logging truck

- USE: Logging vehicle

## Logging vehicle

- UF: Log truck
  - Logging truck
- BT: Heavy vehicle
- RT: Logging road

## Logistics

- BT: Management
- RT: Freight transport
  - Transport economics

## Logit model

- RT: Modelling
  - Probit model

## Long distance transport

- BT: Transport
- RT: Freight transport
  - Passenger transport

## Longitudinal profile

- BT: Road profile
- NT: Gradient
- RT: Profilometer
  - Roughness
  - Transverse profile



### Loop detector

UF: Inductive loop  
BT: Vehicle detector  
RT: Sensor

### LOS

USE: Level of service

### Los Angeles test

BT: Test method  
RT: Aggregate  
Wear

### Loudness

USE: Noise

### Low cost road

BT: Road type  
RT: Forestry road  
Rural road  
Secondary road  
Unsealed road

### Low income

UF: Poverty  
BT: Income  
RT: Occupation

### Low traffic road

UF: Low volume road  
RT: Forestry road  
High traffic road  
Rural road  
Traffic flow  
Unsealed road

### Low volume road

USE: Low traffic road

### LP gas

USE: Liquefied petroleum gas (LPG)

### LPG

USE: Liquefied petroleum gas (LPG)

### LRT

USE: Light rail transport

### Lubrication

UF: Grease  
RT: Oil  
Vehicle maintenance

### Luminaire

USE: Lantern

### Luminaire support

USE: Lighting column

### Luminance

UF: Brightness  
BT: Street lighting  
RT: Glare  
Headlight  
Light intensity  
Surfacing

### Luminescence

USE: Fluorescence

### Luminous intensity

USE: Light intensity

### Macadam

UF: Bitumen macadam  
Tarmacadam  
RT: Bitumen

### Machine vision

USE: Image processing

### Macrotexture

NT: Surface texture

### Main road

USE: Arterial road

### Maintenance

NT: Bridge maintenance  
Cleaning  
Pavement maintenance  
Road maintenance  
Vehicle maintenance  
Winter maintenance  
RT: Demolition  
Maintenance economics  
Maintenance equipment  
Maintenance management  
Maintenance method  
Maintenance planning  
Repair  
Self repairing

### Maintenance costs

BT: Cost  
RT: Maintenance economics

### Maintenance economics

BT: Economics  
RT: Life cycle costs  
Maintenance  
Maintenance costs  
Maintenance management  
Road costs  
Road economics

### **Maintenance equipment**

UF: Plant  
BT: Equipment  
RT: Construction equipment  
Maintenance

### **Maintenance management**

BT: Management  
RT: Asset management  
Bridge management  
Maintenance  
Maintenance economics  
Maintenance planning  
Pavement management  
Periodic maintenance  
Preventive maintenance  
Road management  
Routine maintenance  
Transport management

### **Maintenance method**

BT: Method  
NT: Grading  
Grinding (railway track)  
Patching  
RT: Bridge maintenance  
Maintenance  
Pavement maintenance  
Pavement strengthening  
Retrofitting

### **Maintenance planning**

BT: Planning  
RT: Bridge management  
Maintenance  
Maintenance management  
Pavement management

### **Male**

UF: Man  
BT: Driver characteristics  
Road user characteristics  
RT: Female

### **Mall**

USE: Pedestrian precinct

### **Man**

USE: Male

### **Man machine interface**

USE: Human machine interface

### **Management**

UF: Human resource management  
Resource management  
NT: Asset management  
Bridge management  
Budget  
Corporate planning  
Critical path method  
Disaster management  
Fleet management  
Information management  
Logistics  
Maintenance management  
Pavement management  
Project management  
Quality management  
Risk management  
Road management  
Roadside management  
Traffic management  
Transport management  
RT: Accounting  
Change  
Customer service  
Decision support  
Ethics  
Hours of work  
Industrial relations  
Personnel  
Planning  
Policy  
Public administration  
Strategic planning

### **Manufacture**

RT: Construction  
Mixing plant

### **Map**

RT: Geographic information system  
(GIS)

### **Marginal strip**

USE: Edge marking

### **Marijuana**

UF: Cannabis  
BT: Drug  
RT: Illicit drug

### **Marine environment**

USE: Sea

### **Marker post**

UF: Bollard  
Guide post  
Milestone  
BT: Delineation  
Traffic sign



## Marketing

RT: Advertising  
Publicity

## Marshall test

BT: Test method  
RT: Stability

## Maser

USE: Laser

## Masonry

RT: Block pavement  
Brick  
Concrete

## Mass

USE: Vehicle weight

## Mass transit

USE: Public transport

## Mastic asphalt

BT: Pavement materials  
NT: Stone mastic asphalt (SMA)  
RT: Asphalt  
Bitumen

## Mat

USE: Mesh

## Material fatigue

UF: Fatigue  
BT: Material properties

## Material properties

NT: Age  
Angularity  
Brittleness  
Capillarity  
Cohesion  
Cold  
Colour  
Compaction  
Compressibility  
Durability  
Elasticity  
Energy absorption  
Flammability  
Hardness  
Heat  
Isotropic  
Liquid limit  
Material fatigue  
Modulus  
Moisture content  
Moisture sensitivity  
Permeability  
Poisson's ratio

(Continued in next column)

## Material properties (Continued)

NT: (Continued)  
Shape  
Stability  
Stiffness  
Strength  
Thickness  
Weather resistance  
RT: Bridge materials  
Material testing  
Materials  
Pavement materials  
Self repairing

## Material testing

BT: Test  
RT: Acoustic emission  
Bridge materials  
Dynamic loading  
Field test  
Laboratory test  
Material properties  
Pavement materials  
Static loading  
Test method

## Materials

NT: Bridge materials  
Pavement materials  
Road materials  
Vehicle materials  
RT: Composite  
Material properties

## Mathematical formula

USE: Modelling

## Mathematical model

USE: Modelling

## Mathematics

NT: Fuzzy logic  
Modelling  
Statistical analysis  
RT: Approximation  
Error  
Probability

## Measurement

RT: Error  
Performance indicators

### Measuring equipment

- UF: Gauge
- Instrument
- Instrumentation
- Test equipment
- BT: Equipment
- NT: Benkelman beam
- Breathalyzer
- Calibration
- Cone penetrometer
- Deflectometer
- Dynamometer
- Lidar
- Nuclear gauge
- Piezometer
- Pressuremeter
- Profilometer
- Radar
- Sensor
- Strain gauge
- Transducer
- Weigh in motion
- Weighing equipment
- RT: Instrumented vehicle

### Mechanical engineering

- BT: Engineering
- NT: Vehicle design

### Mechanical joint

- USE: Coupling

### Mechanisation

- USE: Automation

### Mechanistic design

- BT: Pavement design
- RT: Empirical design

### Mechanization

- USE: Automation

### Median

- SN: The area separating the opposing traffic lanes of a divided highway.
- UF: Central reserve
- Road median
- RT: Centre line
- Landscaping
- Mobile barrier
- Road design
- Safety fence
- Traffic control devices

### Medical aspects

- NT: Alcohol effects
- Fatality
- First aid
- Health
- Illness
- Injury
- RT: Dementia
- Drug effects

### Medical examination

- RT: Drivers licence
- Vision

### Medical treatment

- RT: Health
- Hospital
- Illness
- Injury

### Medication

- UF: Over the counter medication
- Prescription drug
- BT: Drug

### Meeting traffic

- USE: Oncoming traffic

### Membrane

- RT: Permeability

### Memory

- RT: Dementia
- Driver performance
- Road user performance

### Merging traffic

- UF: Diverging traffic
- Funnelling traffic
- Weaving traffic
- BT: Traffic
- RT: Turning traffic
- Vehicle turn indicator

### Mesh

- SN: Not to be used for mesh crash barriers or Finite element method
- UF: Mat
- BT: Reinforcement
- RT: Bar
- Geotextile
- Grid

### Meta analysis

- RT: Research method



## **Metal**

BT: Bridge materials  
NT: Alloy  
Aluminium  
Iron  
Steel  
RT: Welding

## **Metal bridge**

BT: Bridge  
RT: Curved bridge  
Steel bridge

## **Methanol**

UF: Methyl alcohol  
BT: Alcohol

## **Method**

SN: Method is a specific technique, test or practice e.g. Questionnaire, Deflectometer while Methodology is the framework of how and why research is undertaken e.g. types of Methods to be used. Use a more specific term if appropriate.  
UF: Technique  
NT: Conflict method  
Construction method  
Maintenance method  
Research method  
Test method  
RT: Methodology

## **Methodology**

SN: Method is a specific technique, test or practice e.g. Questionnaire, Deflectometer while Methodology is the framework of how and why research is undertaken e.g. types of Methods to be used.  
RT: Method

## **Methyl alcohol**

USE: Methanol

## **Methylene blue test**

BT: Test method

## **Microorganism**

USE: Bacteria

## **Microsilica**

USE: Silica fume

## **Microsimulation**

RT: Modelling  
Traffic flow

## **Mid block**

RT: Intersection  
Link

## **Milestone**

USE: Marker post

## **Military**

UF: Air force  
Airforce  
Army  
Defence force  
Navy

## **Mine haul road**

USE: Mining road

## **Mine road**

USE: Mining road

## **Mineral**

BT: Geology  
RT: Mining  
Petrography

## **Minibus**

BT: Bus  
RT: Demand responsive transport

## **Minimization**

USE: Prevention

## **Minimum drinking age**

UF: Drinking age  
BT: Age

## **Mining**

RT: Mineral  
Mining road

## **Mining road**

UF: Mine haul road  
Mine road  
BT: Road type  
RT: Haulage  
Mining

## **Mist**

USE: Fog

## **Mix design**

UF: Proportioning  
Water cement ratio  
BT: Pavement design  
RT: Asphalt  
Binder content  
Concrete  
Mixture  
Superpave  
Workability

## **Mixed traffic**

USE: Traffic composition

*Mixer*

USE: Construction equipment

**Mixing plant**

RT: Asphalt  
Concrete  
Manufacture

**Mixture**

NT: Bitumen tar mixture  
RT: Admixture  
Mix design

**Mobile barrier**

UF: Barrier  
RT: Median  
Safety fence

**Mobile device**

NT: Mobile phone

**Mobile phone**

UF: Carphone  
Cell phone  
BT: Telephone  
BT: Mobile device  
RT: Texting

**Mobility**

UF: Personal mobility  
BT: Mobility scooter  
RT: Accessibility  
Aged person  
Disabled person  
Transport disadvantaged  
Travel behaviour

*Mobility as a Service*

USE: Demand responsive transport

*Mobility handicapped*

USE: Transport disadvantaged

**Mobility scooter**

SN: Use for transport for aged or disabled persons  
UF: Scooter  
NT: Mobility  
RT: Disabled person

**Modal choice**

UF: Choice of transport  
BT: Travel behaviour  
RT: Transport mode  
Vehicle ownership

**Modal interchange**

UF: Transit centre  
BT: Transport facilities  
RT: Park and ride  
Public transport  
Terminus

**Modal shift**

BT: Travel behaviour  
RT: Transport mode

**Modal split**

BT: Travel behaviour  
RT: Transport mode  
Transport statistics

**Modelling**

UF: Gravity model  
Mathematical formula  
Mathematical model  
Simulation  
BT: Mathematics  
NT: Finite element method  
RT: Computer program  
Decision support  
Forecast  
Fuzzy logic  
Logit model  
Microsimulation  
Neural network  
Probability  
Probit model  
Revealed preference  
Stated preference  
Traffic assignment

**Modulus**

UF: Deformation modulus  
Elasticity modulus  
Modulus of deformation  
Modulus of elasticity  
Resilient modulus  
Young's modulus  
BT: Material properties  
RT: Dynamic loading  
Elasticity  
Static loading  
Stiffness

*Modulus of deformation*

USE: Modulus

*Modulus of elasticity*

USE: Modulus



**Moisture content**

UF: Dampness  
Humidity  
Water content  
BT: Material properties  
RT: Degree of saturation  
Moisture control  
Moisture sensitivity

**Moisture control**

RT: Moisture content  
Waterproofing

**Moisture sensitivity**

UF: Moisture susceptibility  
BT: Material properties  
RT: Damage  
Moisture content

*Moisture susceptibility*

USE: Moisture sensitivity

**Monitoring**

NT: Traffic monitoring  
Vehicle monitoring

**Monorail**

BT: Rail transport  
RT: Railway track

**Montmorillonite**

BT: Bentonite  
RT: Clay

**Moped**

BT: Private transport  
Vehicle type  
RT: Motorcycle

*Moped rider*

USE: Motorcyclist

*Mortality*

USE: Fatality

**Mortar**

SN: Use also specific binder eg Cement  
BT: Cement

**Motel**

BT: Land use

*Mother*

USE: Parent

**Motivation**

BT: Psychology  
RT: Incentive

*Motor*

USE: Engine

*Motor car*

USE: Car

*Motor vehicle*

USE: Vehicle

*Motor vehicle aerodynamics*

USE: Aerodynamics

*Motor vehicle crash*

USE: Crash

**Motorcycle**

UF: Scooter  
Side car  
BT: Private transport  
Vehicle type  
RT: Daytime running lights  
Moped  
Motorcyclist

**Motorcyclist**

UF: Moped rider  
BT: Road user  
Traveller  
NT: Unlicensed motorcyclist  
RT: Driver  
Driver behaviour  
Driver characteristics  
Driver education  
Driver improvement  
Driver performance  
Driving  
Driving experience  
Helmet usage  
Motorcycle  
Motorcyclist testing and licensing  
Motorcyclist training

**Motorcyclist testing and licensing**

RT: Driver testing and licensing  
Motorcyclist

**Motorcyclist training**

RT: Driver training  
Motorcyclist

*Motorway*

USE: Freeway

**Mountain road**

BT: Road type

*Movable bridge*

USE: Lifting bridge

*Movable formwork*

USE: Formwork

**Movement**

UF: Displacement  
NT: Rolling resistance  
RT: Settlement

**Mudstone**

BT: Rock

**Multi storey car park**

UF: Parking garage  
Parking station  
BT: Car park  
RT: Pay parking  
Underground car park

**Multilane**

UF: Number of lanes  
RT: Bicycle lane  
Bus lane  
Climbing lane  
HOV lane  
Reversible lane  
Traffic lane  
Two lane road

*Multimodal transport*

USE: Intermodal transport

*Multitrailer*

USE: Articulated vehicle

*Municipal council*

USE: Local government

*Muskeg*

USE: Peat

**NAASRA roughness**

BT: Roughness

*Nanofibre*

USE: Nanotechnology

*Nanoparticle*

USE: Nanotechnology

**Nanotechnology**

SN: Manipulation of matter on an  
atomic and molecular scale  
UF: Nanofibre  
Nanoparticle  
BT: Technology

*Naturalistic driving*

USE: Driver performance

*Narcotic*

USE: Drug

**National government**

UF: Australian government  
Federal government  
Government  
RT: Local government  
Public sector  
State government

**Natural resources**

RT: Local materials

**Navigation**

RT: Global positioning system (GPS)  
Intelligent transport systems (ITS)  
Route guidance

*Navy*

USE: Military

**Near miss**

RT: Crash type

**Neck**

BT: Human body  
RT: Spinal column  
Whiplash

*Need*

USE: Demand

**Negligence**

RT: Responsibility

**Neighbourhood**

RT: Residential area  
Subdivision  
Town planning

*Neoprene*

USE: Rubber

**Neural network**

UF: ANN  
Artificial neural network  
Neural networks  
RT: Modelling

*Neural networks*

USE: Neural network

*New driver*

USE: Novice driver

**New Zealand standard**

RT: Standardization

**Night**

UF: Darkness  
RT: Day  
Time  
Time of day



**Nitrogen oxides**

RT: Vehicle emissions

**No parking**

UF: Parking prohibited  
BT: Parking  
RT: Clearway

**No stopping**

UF: Stopping prohibited  
RT: Clearway

**Noise**

UF: Loudness  
NT: Traffic noise  
RT: Acoustic emission  
Acoustics  
Environment  
Environmental effects  
Insulation  
Noise barrier  
Noise control  
Sound level

**Noise barrier**

RT: Landscaping  
Noise  
Road design

**Noise control**

RT: Noise  
Vehicle regulations

*Noise level*

USE: Sound level

**Non cohesive soil**

BT: Soil

**Non destructive test**

BT: Test method  
NT: Ground penetrating radar (GPR)  
RT: Pavement evaluation

**Non driving related activity**

UF: Non driving task  
RT: Autonomous vehicle  
Distraction  
Human machine interface  
Reaction time  
Take over request (TOR)

*Non driving task*

USE: Non driving related activity

**Non motorized transport**

BT: Transport mode  
RT: Active travel  
Animal  
Bicycle  
Pedestrian  
Wheelchair

**Non response rate**

UF: Response rate  
RT: Online survey  
Questionnaire  
Telephone survey

**Non skid treatment**

UF: Anti skid treatment  
BT: Skidding resistance  
RT: Cloutage  
Skidding

**Novice driver**

UF: Inexperienced driver  
New driver  
P-plate  
Provisional licence  
Recently qualified driver  
BT: Driver  
RT: Driver characteristics  
Drivers licence  
Driving experience  
Graduated licence  
Learner driver  
Young driver

*Nuclear densitometer*

USE: Nuclear gauge

**Nuclear gauge**

UF: Back scattering apparatus  
Nuclear densitometer  
BT: Measuring equipment

*Number of lanes*

USE: Multilane

*Number of occupants*

USE: Vehicle occupancy

**Number plate**

UF: Licence plate  
Registration plate  
BT: Vehicle component  
RT: Vehicle identification  
Vehicle registration

*O-Bahn*

USE: Guided bus

**Obesity**

**Obituary**

RT: Biography

*Observational study*

USE: Field study  
Laboratory study

*Observational survey*

USE: Field study  
Laboratory study

**Obstacle**

*Occupancy*

USE: Vehicle occupancy

**Occupation**

UF: Professional category  
RT: Demography  
Low income  
Personnel  
Sociology

**Occupational health**

UF: Workplace safety  
BT: Health  
RT: Hours of work  
Personnel  
Safety

**Octane number**

BT: Fuel  
RT: Combustion

*OD*

USE: Origin destination traffic  
Overdimensional vehicle

**Odometer**

BT: Instrument panel  
RT: Speedometer  
Vehicle Kilometer

**Off peak hour**

RT: Flexible hours  
Peak hour  
Time of day

**Off road vehicle**

UF: All terrain vehicle  
BT: Vehicle type  
RT: Four wheel drive

**Off street parking**

BT: Parking  
RT: On street parking

**Offence**

UF: Crime  
Driving offence  
Graffiti  
Parking infringement  
Traffic offence  
Vandalism  
Violation  
BT: Legislation  
NT: Drink driving  
Drug driving  
Speeding  
Theft  
RT: Law enforcement  
Licence suspension  
Penalty  
Unlicensed driver  
Unlicensed motorcyclist  
Vehicle impounding

**Offender**

UF: Violator  
RT: Deterrence  
Law enforcement  
Recidivist

*Office ergonomics*

USE: Ergonomics

**Offset crash**

SN: A crash in which the vehicles  
collide head on but their front ends  
do not completely overlap.  
BT: Crash type  
RT: Head on crash

**Oil**

RT: Fuel  
Lubrication  
Petroleum

*Old driver*

USE: Aged driver

*Old person*

USE: Aged person

**On street parking**

BT: Parking  
RT: Off street parking

**Oncoming traffic**

UF: Meeting traffic  
BT: Traffic direction

**One way street**

BT: Road type  
RT: Street  
Traffic direction



### Online survey

UF: Survey  
BT: Data collection  
RT: Non response rate  
Research method

### Operating costs

BT: Cost  
Transport costs  
Vehicle costs  
NT: Vehicle operating costs  
RT: Energy conservation  
Fuel consumption  
Fuel costs  
Level of service  
Road user costs  
Vehicle maintenance

### Operating speed

BT: Speed  
RT: Design speed  
Speed limit

### Ophite

USE: Basalt

### Opinion

USE: Attitude

### Optics

NT: Colour  
Fluorescence  
Laser  
Photography  
Photometry  
RT: Light intensity  
Lighting  
Physics  
Vision  
Visual science

### Organizational change

USE: Change

### Origin destination traffic

UF: OD  
Traffic destination  
BT: Travel behaviour  
RT: Through traffic  
Traffic distribution

### Orthotropic plate

BT: Plate  
RT: Bridge deck  
Slab

### Oscillation

USE: Vibration

### Outbound traffic

USE: Traffic direction

### Outer suburbs

UF: Outskirts  
Urban fringe  
BT: Suburbs  
RT: Urban development

### Output

USE: Efficiency

### Outskirts

USE: Outer suburbs  
Suburbs

### Over the counter medication

USE: Medication

### Overcrowding

USE: Crowding

### Overdimensional vehicle

UF: OD  
Wide load  
BT: Heavy vehicle  
Vehicle dimension  
RT: Permit  
Vehicle regulations

### Overhead

USE: Cost

### Overhead contact

SN: Interaction between Pantograph and  
Catenary  
RT: Electric vehicle  
Electricity  
Pantograph  
Rolling contact

### Overhead traffic sign

UF: Overhead traffic signal  
BT: Traffic sign

### Overhead traffic signal

USE: Overhead traffic sign

### Overlay

BT: Pavement maintenance  
RT: Asphalt  
Concrete  
Pavement strengthening  
Surfacing

### Overloaded vehicle

UF: Excess load  
BT: Vehicle weighing  
RT: Vehicle regulations  
Vehicle weight

### Overpass

USE: Bridge

### Overtaking

BT: Driver behaviour  
RT: Climbing lane  
Gap acceptance  
Level of service  
Vehicle spacing  
Vehicle turn indicator  
Visibility distance

### Overturning

UF: Rollover  
Tilt deck  
Vehicle overturning  
BT: Vehicle dynamics  
Vehicle handling  
RT: Crash  
Electronic stability control (ESC)  
Vehicle stability

### Oxidation

BT: Chemical reaction

### Ozone

RT: Air  
Environment

### P-plate

USE: Graduated licence  
Novice driver

### Paint

UF: Lacquer  
RT: Coating  
Lead  
Pavement marking

### Panel van

USE: Light commercial vehicle

### Pantograph

SN: Metal frame on top of electric vehicle that picks up electricity from overhead line  
RT: Catenary  
Electric vehicle  
Electricity  
Light rail transport  
Overhead contact  
Rail transport

### Parapet

BT: Bridge deck  
RT: Safety fence

### Paratransit

BT: Public transport  
NT: Bicycle sharing  
Car pooling  
RT: Community transport  
Demand responsive transport  
Shared taxi  
Taxi

### Parent

UF: Father  
Mother  
RT: Adult  
Child  
Pregnancy

### Park and ride

BT: Transport facilities  
RT: Modal interchange  
Public transport  
Railway station  
Terminus

### Parking

NT: No parking  
Off street parking  
On street parking  
Parking place  
Pay parking  
Service area  
RT: Car park  
Clearway  
Parking meter  
Transport planning

### Parking area

USE: Car park

### Parking garage

USE: Multi storey car park

### Parking infringement

USE: Offence

### Parking light

BT: Vehicle lighting

### Parking meter

RT: Parking  
Pay parking  
Road user charges

### Parking place

UF: Car parking space  
BT: Parking

### Parking prohibited

USE: No parking



*Parking station*

USE: Multi storey car park

*Partial cloverleaf*

USE: Diamond interchange

**Particle**

UF: Grain  
RT: Granular  
Sediment

**Particle size distribution**

UF: Fineness modulus  
Grading of grain size  
RT: Aggregate

**Partnership**

UF: Alliance  
NT: Public private partnership  
RT: Private sector  
Public sector

**Passenger**

BT: Transport  
Traveller  
Vehicle occupant  
RT: Passenger transport  
Public transport  
Restraint usage  
Seating position

*Passenger car*

USE: Car

**Passenger car unit**

UF: PCU  
RT: Traffic composition

*Passenger conveyor*

USE: People mover

*Passenger information*

USE: Travel information

**Passenger transport**

SN: Use this term for the public and private transport of passengers  
BT: Transport  
NT: Carriage  
RT: Crowding  
Integrated transport  
Intermodal transport  
Long distance transport  
Passenger

*Passive safety system*

USE: Restraint

**Patching**

BT: Bridge maintenance  
Maintenance method  
Pavement maintenance  
Road maintenance  
RT: Pothole

**Patent**

RT: Innovation  
Intellectual property  
Research and development

*Patronage*

USE: Travel behaviour

**Pavement**

UF: Road structure  
NT: Bituminous pavement  
Block pavement  
Carriageway  
Composite pavement  
Concrete pavement  
Heavy duty pavement  
Kerb  
Pavement layer  
Pavement marking  
Soil cement pavement  
Compaction  
Drainage  
Pavement design  
Pavement evaluation  
Pavement maintenance  
Pavement management  
Pavement materials  
Pavement performance  
Pavement properties  
Pavement strengthening  
Pavement testing  
Shoulder

*Pavement condition*

USE: Pavement evaluation

**Pavement design**

BT: Design  
Structural design  
NT: Empirical design  
Mechanistic design  
Mix design  
RT: AASHO road test  
Axle load  
Design standard  
Pavement  
Systems analysis  
Traffic load  
Vehicle pavement interaction

### **Pavement evaluation**

- SN: Pavement evaluation is the general assessment of a pavement; this evaluation may involve the use of specific pavement tests, in which case also use Pavement testing.
- UF: Condition rating  
Condition survey  
Pavement condition
- BT: Evaluation
- RT: Deflection  
Deflectometer  
Non destructive test  
Pavement  
Pavement performance  
Pavement testing  
Visual assessment

### **Pavement layer**

- BT: Pavement
- NT: Basecourse  
Roadbase  
Sealing coat  
Subbase  
Subgrade  
Surfacing  
Wearing course
- RT: Back analysis  
Back calculation  
Delamination  
Structural interface  
Thickness

### **Pavement maintenance**

- UF: Pavement rehabilitation  
Rehabilitation
- BT: Maintenance  
Road maintenance
- NT: Overlay  
Patching  
Recycling
- RT: Maintenance method  
Pavement  
Pavement management  
Pavement strengthening  
Preventive maintenance  
Routine maintenance  
Waterproofing

### **Pavement management**

- BT: Management
- RT: Maintenance management  
Maintenance planning  
Pavement  
Pavement maintenance  
Pavement management system  
Periodic maintenance

### **Pavement management system**

- UF: PMS
- RT: Computer program  
Pavement management

### **Pavement marking**

- UF: Carriageway marking  
Line marking  
Linemarker  
Road marking
- BT: Delineation  
Pavement  
Traffic control devices
- NT: Broken line  
Centre line  
Edge marking  
Rumble strip  
Solid line
- RT: Channelization  
Glass beads  
Paint  
Reflecting road stud  
Road maintenance

### **Pavement materials**

- UF: Construction materials
- BT: Materials  
Road materials
- NT: Aggregate  
Asphalt  
Binder  
Bitumen  
Cement  
Concrete  
Crumb rubber  
Gravel  
Mastic asphalt  
Tar
- RT: Material properties  
Material testing  
Pavement  
Pavement properties  
Recycled materials  
Specifications

### **Pavement performance**

- BT: Performance
- NT: Bearing capacity  
Deformation  
Rutting
- RT: Cracking  
Durability  
Failure  
Pavement  
Pavement evaluation  
Pavement testing  
Superpave  
Vehicle pavement interaction



### **Pavement properties**

- NT: Bearing capacity
- Deflection
- Roughness
- Stiffness
- RT: Pavement
- Pavement materials

### *Pavement rehabilitation*

- USE: Pavement maintenance

### **Pavement strengthening**

- UF: Strengthening (pavement)
- RT: Bearing capacity
- Maintenance method
- Overlay
- Pavement
- Pavement maintenance
- Reinforcement

### **Pavement testing**

- SN: Pavement testing is the process of conducting a specific test or series of tests on a pavement.
- UF: Experimental road
- Full scale pavement test
- BT: Test
- RT: AASHO road test
- Accelerated loading facility (ALF)
- Heavy vehicle simulator (HVS)
- Pavement
- Pavement evaluation
- Pavement performance
- Repetitive loading
- Test rig
- Test track

### *Pavement vehicle interaction*

- USE: Vehicle pavement interaction

### **Paver**

- UF: Finisher
- BT: Construction equipment
- NT: Slip form paver

### **Pay parking**

- BT: Parking
- Road user charges
- RT: Multi storey car park
- Parking meter
- Payment
- Underground car park

### **Payment**

- RT: Fare
- Fare collection
- Pay parking
- Revenue
- Ticket
- Toll collection

### *PC*

- USE: Personal computer

### *PCU*

- USE: Passenger car unit

### **Peak hour**

- UF: Rush hour
- Traffic peak
- RT: Journey to work
- Off peak hour
- Time of day
- Traffic congestion
- Weekday

### **Peat**

- UF: Muskeg
- RT: Soil

### **Pedal**

- BT: Vehicle component

### *Pedal cycle*

- USE: Bicycle

### **Pedestrian**

- UF: Pedestrian detector
- BT: Road user
- Traveller
- RT: Crossing the road
- Footbridge
- Footpath
- Non motorized transport
- Pedestrian crossing
- Pedestrian facilities
- Pedestrian flow
- Pedestrian precinct
- Pedestrian subway
- Road user behaviour
- Vulnerable road user
- Walkability
- Walking

### *Pedestrian bridge*

- USE: Footbridge

### **Pedestrian crossing**

- UF: Pelican crossing
- Puffin crossing
- Zebra crossing
- BT: Pedestrian facilities
- NT: School crossing
- RT: Audible signal
- Crossing the road
- Footbridge
- Pedestrian
- Pedestrian subway

### *Pedestrian detector*

- USE: Pedestrian
- Sensor

**Pedestrian facilities**

- NT: Footbridge
- Footpath
- Pedestrian crossing
- Pedestrian subway
- RT: Pedestrian
- Pedestrian precinct
- People mover
- Traffic island
- Walkability

**Pedestrian flow**

- RT: Pedestrian
- Traffic flow
- Walkability

**Pedestrian precinct**

- UF: Arcade
- Mall
- BT: Urban area
- RT: Footpath
- Pedestrian
- Pedestrian facilities
- Shopping centre
- Town centre
- Town planning
- Walkability

*Pedestrian refuge*

- USE: Traffic island

**Pedestrian subway**

- BT: Pedestrian facilities
- Tunnel
- RT: Crossing the road
- Pedestrian
- Pedestrian crossing

**Pedestrian vehicle conflict**

*Peeling*

- USE: Delamination

**Peer group**

- UF: Peer influence
- Peer pressure
- Peer relations
- Peers
- RT: Psychology
- Sociology

*Peer influence*

- USE: Peer group

*Peer pressure*

- USE: Peer group

*Peer relations*

- USE: Peer group

*Peers*

- USE: Peer group

*Pelican crossing*

- USE: Pedestrian crossing

*Pelvis*

- USE: Hip

**Penalty**

- UF: Fine
- Imprisonment
- Punishment
- NT: Licence suspension
- Point demerit system
- Vehicle impounding
- RT: Deterrence
- Law enforcement
- Offence
- Police

**Penetration**

- NT: Dynamic penetration test
- Static penetration test
- RT: Binder
- Cone penetrometer

**People mover**

- SN: Use for mechanical movement of pedestrians. For passenger van use
- Car or Four wheel drive.
- UF: Passenger conveyor
- Travellator
- RT: Pedestrian facilities

**Perception**

- BT: Attention
- NT: Hazard perception
- RT: Comprehension
- Driver performance
- Legibility
- Psychology
- Road user performance
- Visual intrusion

*Percolation*

- USE: Seepage

**Performance**

- NT: Driver performance
- Durability
- Pavement performance
- Performance indicators
- Road user performance

**Performance based standard (PBS)**

- RT: Heavy vehicle
- Transport regulation

### Performance indicators

- UF: Performance measures  
Road network performance
- BT: Performance
- RT: Benchmarking  
Evaluation  
Measurement

### Performance measures

- USE: Performance indicators

### Periodic maintenance

- RT: Maintenance management  
Pavement management  
Preventive maintenance  
Routine maintenance

### Peripheral vision

- USE: Visual field

### Permanent deformation

- USE: Rutting

### Permeability

- BT: Material properties
- RT: Drainage  
Membrane  
Water  
Waterproofing

### Permit

- UF: Licensing
- RT: Overdimensional vehicle  
Transport regulation  
Vehicle regulations

### Personal computer

- UF: PC

### Personal mobility

- USE: Mobility

### Personal mobility device

- SN: Includes skateboards, stand on  
scooters, Segways

### Personal rapid transit

- USE: Rapid transit

### Personality

- UF: Driver personality
- BT: Driver characteristics  
Human factors  
Road user characteristics
- RT: Characteristics  
Crash proneness  
Risk taking

### Personnel

- UF: Employee  
Staff
- RT: Budget  
Education  
Employment  
Industrial relations  
Management  
Occupation  
Occupational health

### Pert

- USE: Critical path method

### Pervious macadam

- USE: Porous asphalt

### Petrography

- UF: Petrology
- RT: Mineral

### Petrol

- UF: Gasoline
- BT: Fuel
- NT: Unleaded petrol
- RT: Petroleum  
Service station

### Petrol station

- USE: Service station

### Petrol tax

- USE: Fuel tax

### Petroleum

- UF: Crude oil
- BT: Hydrocarbon
- RT: Oil  
Petrol  
Tanker

### Petroleum bitumen

- USE: Bitumen

### Petrology

- USE: Petrography

### PHEV

- USE: Hybrid vehicle

### Phone

- USE: Telephone

### Photogrammetry

- UF: Aerial surveying
- BT: Surveying  
Terrain
- RT: Aerial photography



## Photography

UF: Camera  
BT: Optics  
NT: Red light camera  
Speed camera  
Video  
RT: Aerial photography

## Photometry

BT: Optics  
RT: Chemical analysis

## Physical exercise

USE: Exercise

## Physics

NT: Gas  
Temperature  
RT: Heat  
Optics

## Physiology

BT: Human body  
NT: Fitness to drive  
RT: Alcohol drug interaction  
Alcohol effects  
Biomechanics  
Drug effects  
Human tolerance

## Pickup truck

USE: Light commercial vehicle

## Picnic area

USE: Service area

## Pictogram

USE: Symbol

## Pier

USE: Bridge pier  
Port

## Piezoelectricity

RT: Transducer  
Vibration

## Piezometer

BT: Measuring equipment

## Piggyback transport

USE: Intermodal transport

## Pile

BT: Bridge foundation  
Foundation  
NT: Bored pile  
RT: Bridge pier  
Caisson  
Pile driving  
Pile group

Soil structure interaction

## Pile driving

UF: Vibratory driving  
NT: Pile driving resistance  
RT: Earthworks  
Pile

## Pile driving resistance

BT: Pile driving

## Pile group

RT: Pile

## Pinking

USE: Ignition

## Pipe

UF: Conduit  
NT: Culvert  
RT: Drainage

## Pitch

SN: Solid or semi-solid residue from the evaporation or partial distillation of the oils from tar. Use Gradient for slope or inclination.  
RT: Tar

## Place of residence

UF: Choice of home location  
Home location  
BT: Location  
RT: Dwelling  
Household

## Place of work

UF: Work location  
BT: Location  
RT: Journey to work

## Placement of material

USE: Laying

## Planning

UF: Programming of work  
Work planning  
NT: Bridge planning  
Corporate planning  
Critical path method  
Maintenance planning  
Public participation  
Regional planning  
Road planning  
Strategic planning  
Town planning  
Transport planning  
RT: Management  
Policy  
Priority  
System architecture



*Plant*

USE: Construction equipment  
Maintenance equipment

*Plantation*

USE: Vegetation

*Planting*

USE: Vegetation

*Plastic flow*

USE: Creep

**Plastic limit**

RT: Soil mechanics

**Plasticity**

RT: Brittleness  
Rheology  
Strength

**Plasticizer**

UF: Superplasticizer  
Water reducing agent  
BT: Admixture

**Plastics**

NT: Elastomer  
Polymer  
Thermoplastic

**Plate**

NT: Orthotropic plate  
RT: Slab

**Plate bearing test**

BT: Test method

*Platooning*

USE: Bunching

*Playground*

USE: Recreation

*Plug in hybrid electric vehicle*

USE: Hybrid vehicle

*PMA*

USE: Polymer modified asphalt

*PMB*

USE: Polymer modified binder

*PMS*

USE: Pavement management system

*Pneumatic tyred roller*

USE: Roller

**Point demerit system**

UF: Demerit point system  
BT: Penalty  
RT: Drivers licence  
Licence suspension

*Point loading*

USE: Concentrated loading

**Poisson's ratio**

BT: Material properties

**Pole**

UF: Post  
Support  
Traffic sign support  
Traffic signal support  
RT: Lighting column  
Roadside hazard  
Traffic sign

**Police**

UF: Traffic police  
BT: Emergency services  
RT: Crash record  
Emergency vehicle  
Law enforcement  
Penalty

*Police car*

USE: Emergency vehicle

**Policy**

UF: Politics  
RT: Decision process  
Management  
Planning  
Public administration  
Public relations

**Polished stone value**

RT: Aggregate  
Surface texture

**Polishing**

RT: Aggregate  
Surface texture

*Politics*

USE: Policy

**Pollution**

UF: Contamination  
Impurity  
BT: Deterioration  
NT: Air pollution  
Water pollution  
RT: Bacteria  
Environment  
Environmental effects  
Toxicity  
Traffic noise

**Polymer**

BT: Plastics  
NT: Fibre reinforced polymer  
Styrene butadiene styrene (SBS)  
RT: Binder  
Polymer modified asphalt  
Polymer modified binder

**Polymer modified asphalt**

UF: PMA  
BT: Asphalt  
RT: Polymer

**Polymer modified binder**

UF: PMB  
BT: Binder  
RT: Polymer

**Population**

BT: Demography  
RT: Census  
Population density  
Resident  
Transport planning  
Urban form

*Population census*

USE: Census

**Population density**

RT: Density  
Dwelling  
Land use  
Population  
Urban consolidation  
Urban form

**Pore water pressure**

BT: Soil mechanics

**Porosity**

UF: Air voids  
Voids  
Voids ratio  
RT: Porous asphalt

**Porous asphalt**

UF: Drainage asphalt  
Pervious macadam  
RT: Porosity

**Port**

UF: Berth  
Harbour  
Pier  
Quay  
Wharf  
RT: Heavy duty pavement  
Sea transport

*Portal frame*

USE: Frame

**Portal frame bridge**

UF: Frame bridge  
BT: Bridge  
RT: Curved bridge  
Frame

*Portland cement*

USE: Cement

*Portland cement concrete*

USE: Concrete

*Post*

USE: Pole

**Post tensioning**

RT: Concrete

**Posture**

BT: Human body

**Pothole**

RT: Patching  
Roughness

*Poverty*

USE: Low income

*Powder*

USE: Filler

**Pozzolan**

UF: Pumice  
Volcanic tuff  
BT: Rock  
RT: Cement  
Fly ash

*PPP*

USE: Public private partnership

**Precast concrete**

BT: Concrete

*Precision*

USE: Accuracy

*Prediction*

USE: Forecast

*Predictive maintenance*

USE: Preventive maintenance

**Prefabrication**

RT: Formwork

**Pregnancy**

RT: Parent



*Prescription drug*

USE: Medication

*Pressiometer*

USE: Pressuremeter

**Pressuremeter**

UF: Pressiometer

BT: Measuring equipment

**Prestressed concrete**

BT: Concrete

**Pretensioning**

RT: Concrete

**Pretreatment**

BT: Construction method

**Prevention**

UF: Countermeasure

Minimization

Protection

NT: Crash countermeasure

Injury prevention

**Preventive maintenance**

UF: Predictive maintenance

RT: Maintenance management

Pavement maintenance

Periodic maintenance

Routine maintenance

*Price*

USE: Cost

**Printed publicity**

UF: Publicity leaflet

BT: Publicity

**Priority**

SN: Use in a general sense only; in a traffic context, use Priority traffic.

UF: Ranking

RT: Decision process

Planning

Priority traffic

*Priority road*

USE: Priority traffic

**Priority traffic**

UF: Priority road

Right of way

BT: Traffic control

RT: Exclusive right of way

Give way sign

Priority

Stop sign

**Privacy**

RT: Data collection

Electronics

Intelligent transport systems

(ITS)

Smart card

**Private funding**

BT: Funding

RT: Road funding

Transport funding

**Private operator**

RT: Bus

Contractor

Public transport

Toll road

Transport management

**Private sector**

RT: Partnership

Public administration

Public private partnership

Public sector

**Private transport**

BT: Transport mode

NT: Bicycle

Car

Moped

Motorcycle

Taxi

RT: Electric bicycle

**Privatization**

RT: Deregulation

**Probability**

UF: Chance

RT: Mathematics

Modelling

Statistical analysis

**Probit model**

RT: Logit model

Modelling

*Productivity*

USE: Efficiency

**Professional driver**

UF: Commercial driver

*Professional category*

USE: Occupation

*Profile*

USE: Road profile

# **Profilometer**

BT: Measuring equipment  
RT: Longitudinal profile  
Road profile  
Roughness  
Transverse profile

# **Profit**

BT: Economics  
RT: Cost  
Cost benefit analysis

# *Programming of work*

USE: Planning

# **Project evaluation**

BT: Evaluation  
RT: Cost benefit analysis  
Project management  
Road planning  
Transport planning

# **Project management**

BT: Management  
RT: Project evaluation  
Public private partnership

# *Property value*

USE: Land value

# *Proportioning*

USE: Mix design

# *Prosecution*

USE: Litigation

# *Protection*

USE: Prevention

# *Protective clothing*

USE: Clothing

# *Protective helmet*

USE: Helmet

# *Protective layer*

USE: Sealing coat

# **Prototype**

RT: Innovation  
Research and development

# *Provisional licence*

USE: Graduated licence  
Novice driver

# **Psychology**

NT: Adaptation  
Decision process  
Driving aptitude  
Human factors  
Human stress  
Motivation

RT: Crash cause  
Crash proneness  
Peer group  
Perception  
Sociology

# *Psychotropic drug*

USE: Drug

# **Public administration**

RT: Budget  
Management  
Policy  
Private sector  
Public sector  
Road authority  
Traffic authority  
Transport authority

# **Public opinion**

UF: Community consultation  
RT: Attitude  
Questionnaire  
Values

# **Public participation**

UF: Community consultation  
BT: Planning  
RT: Road planning  
Town planning  
Transport planning

# **Public private partnership**

UF: PPP  
BT: Partnership  
RT: Infrastructure  
Private sector  
Project management  
Public sector

# **Public relations**

RT: Advertising  
Education  
Policy  
Publicity

# **Public sector**

RT: Local government  
National government  
Partnership  
Private sector  
Public administration  
Public private partnership  
State government



**Public speaking**

BT: Communication

**Public transport**

UF: Mass transit  
Transit  
BT: Transport mode  
NT: Advanced public transportation systems (APTS)  
Community transport  
Demand responsive transport  
Paratransit  
Rapid transit  
RT: Bus  
Crowding  
Modal interchange  
Park and ride  
Passenger  
Private operator  
Punctuality  
Reliability  
Subsidy  
Ticket  
Timetable  
Tram  
Transport depot  
Transport line  
Urban transport

**Public utilities**

UF: Utilities  
NT: Electricity  
Telephone  
RT: Infrastructure  
Town planning

**Publicity**

NT: Printed publicity  
RT: Advertising  
Communication  
Marketing  
Public relations  
Road user education

*Publicity leaflet*

USE: Printed publicity

**Publishing**

RT: Copyright

*Puffin crossing*

USE: Pedestrian crossing

**Pull out test**

BT: Test method  
RT: Adhesion

*Pulverized fly ash*

USE: Fly ash

*Pulverized fuel ash*

USE: Fly ash

*Pumice*

USE: Pozzolan

**Pumping**

BT: Force

**Punctuality**

UF: Reliability (transport)  
RT: Public transport  
Reliability  
Timetable  
Transport performance

*Punishment*

USE: Penalty

*Qualitative choice*

USE: Discrete choice

**Quality assurance**

RT: Quality control  
Quality management

**Quality control**

RT: Accreditation  
Compliance  
Construction management  
Quality assurance  
Quality management  
Reliability

**Quality management**

BT: Management  
RT: Benchmarking  
Quality assurance  
Quality control

**Quality of life**

UF: Well being  
RT: Value of life

**Quarry**

BT: Excavation process

*Quarrying*

USE: Excavation process

**Quartz**

UF: Siliceous  
BT: Rock

*Quay*

USE: Port

**Questionnaire**

UF: Survey  
RT: Data collection  
Non response rate  
Public opinion

**Queue**

NT: Queue length  
RT: Bottleneck  
Delay  
Traffic congestion  
Traffic flow

**Queue length**

UF: Length  
BT: Queue  
RT: Delay  
Waiting time

*Quick lime*

USE: Lime

*R&D*

USE: Research and development

*Race*

USE: Ethnicity

*Racial aspects*

USE: Ethnicity

**Racing car**

BT: Car  
RT: Racing track

**Racing track**

RT: Racing car

**Radar**

BT: Measuring equipment  
Speed control  
NT: Ground penetrating radar (GPR)  
RT: Law enforcement  
Lidar

**Radiator**

BT: Vehicle component

**Radio**

UF: Car radio  
CB radio  
Citizen band radio  
BT: Communications  
RT: Electronics

**Rail transport**

BT: Transport mode  
NT: Monorail  
Rolling stock  
Train  
Underground railway  
RT: Derailment  
Heavy haul  
Light rail transport  
Pantograph  
Rapid transit  
Transport network

*Railway crossing*

USE: Level crossing

*Railway line*

USE: Transport line

**Railway platform**

BT: Railway station

**Railway station**

UF: Transit stop  
BT: Transport facilities  
NT: Railway platform  
RT: Park and ride  
Train

**Railway track**

UF: Duorail  
NT: Ballast  
Grinding (railway track)  
Switch  
RT: Bogie  
Derailment  
Electromagnet  
Level crossing  
Light rail transport  
Monorail  
Rolling contact  
Rolling stock  
Train  
Tram

**Rain**

BT: Weather  
RT: Flooding  
Hydrology  
Run off  
Water  
Wet road

*Ramp*

USE: Access road

**Ramp metering**

BT: Traffic management  
RT: Freeway  
Traffic flow  
Traffic signal



*Random breath test*

USE: Breath test

*Random sample*

USE: Statistical sample

**Randomized controlled trial**

RT: Research method

*Ranking*

USE: Priority

*RAP*

USE: Reclaimed asphalt pavement

*Rapid eye movement*

USE: Eye movement

**Rapid transit**

SN: High-capacity public transport  
generally found in urban areas and  
operating on an exclusive right of  
way  
UF: Personal rapid transit  
BT: Public transport  
RT: Bus  
Light rail transport  
Rail transport

*Rate of flow*

USE: Discharge

*Rate of travel*

USE: Speed

*Ravelling*

USE: Stripping

*RBT*

USE: Breath test

**Reaction time**

UF: Driver reaction  
RT: Car following  
Decision process  
Non driving related activity

**Ready mixed concrete**

BT: Concrete

**Rear end crash**

UF: Bumper to bumper crash  
Tail end crash  
BT: Crash type  
RT: Vehicle spacing

**Rear light**

UF: Tail light  
BT: Vehicle lighting  
RT: Brake light  
Vehicle turn indicator

**Rear view mirror**

UF: Car mirror  
BT: Vehicle component

**Recall campaign**

UF: Defect recall campaign  
BT: Vehicle safety

*Recently qualified driver*

USE: Novice driver

**Recidivist**

UF: Repeat offender  
RT: Deterrence  
Offender

**Reclaimed asphalt pavement**

UF: RAP  
Recycled asphalt pavement  
BT: Bituminous pavement

**Recreation**

UF: Leisure  
Playground  
RT: Journey purpose  
Tourism  
Weekend

*Recycled asphalt pavement*

USE: Reclaimed asphalt pavement

**Recycled materials**

RT: Pavement materials  
Recycling

**Recycling**

BT: Pavement maintenance  
RT: Crumb rubber  
Recycled materials

**Red light**

BT: Traffic signal  
RT: Colour  
Fixed time signals  
Green light  
Linked signals  
Vehicle actuated  
Yellow light

**Red light camera**

BT: Photography  
RT: Law enforcement  
Vehicle identification

**Reflecting road stud**

UF: Cat's eye  
Retroreflecting road stud  
BT: Road stud  
RT: Pavement marking

**Reflectivity**

RT: Retroreflectivity

**Reflectorized material**

RT: Glass beads  
Traffic sign  
Visibility

**Region**

UF: District  
Zone  
NT: Interregional  
RT: Regional planning  
Town planning

**Regional planning**

BT: Planning  
RT: Land use  
Region  
Rural area  
Town planning  
Urban area

*Registration of vehicle*

USE: Vehicle registration

*Registration plate*

USE: Number plate

**Regression analysis**

BT: Statistical analysis

*Regrooved tyre*

USE: Retread tyre

*Rehabilitation*

USE: Bridge maintenance  
Pavement maintenance  
Road maintenance  
Road user rehabilitation

**Reinforced concrete**

BT: Concrete  
NT: Continuously reinforced concrete  
RT: Corrosion  
Reinforcement  
Steel

**Reinforced earth**

RT: Reinforcement  
Retaining wall

**Reinforcement**

NT: Bar  
Mesh  
RT: Adhesion  
Geotextile  
Pavement strengthening  
Reinforced concrete  
Reinforced earth  
Relaxation

**Relaxation**

RT: Reinforcement

**Reliability**

SN: Use in a general or engineering sense only  
RT: Engineering  
Public transport  
Punctuality  
Quality control  
Timetable  
Traffic flow  
Transport network  
Travel time

*Reliability (transport)*

USE: Punctuality

*REM*

USE: Eye movement

**Remote sensing**

RT: Satellite  
Surveying  
Terrain

**Removal**

RT: Installation

**Repair**

RT: Maintenance  
Retrofitting

*Repeat offender*

USE: Recidivist

**Repeatability**

RT: Reproducibility  
Test method

**Repetitive loading**

UF: Cyclic loading  
BT: Load  
Test method  
RT: Accelerated loading facility (ALF)  
Concentrated loading  
Pavement testing  
Strength  
Vibration

**Replacement**

RT: Bridge maintenance

**Report of visit**

UF: Trip report

*Report writing*

USE: Technical writing



**Reproducibility**

RT: Repeatability  
Test method

**Research and development**

UF: R&D  
RT: Activity report  
Innovation  
Patent  
Prototype  
Research needs  
Technology transfer

**Research funding**

BT: Funding

**Research method**

BT: Method  
RT: Case control study  
Cohort study  
Control group  
Focus group  
Interview  
Meta analysis  
Online survey  
Randomized controlled trial  
Spatial analysis  
Systematic review  
Time series

**Research needs**

RT: Research and development

**Research organization**

RT: University

*Residence*

USE: Dwelling

**Resident**

RT: Population  
Residential area

**Residential area**

BT: Land use  
Town  
Urban area  
RT: Dwelling  
Layout  
Local area traffic management  
Neighbourhood  
Resident  
Service road  
Street  
Subdivision  
Suburbs

*Resilience*

USE: Elasticity

*Resilient loading*

USE: Dynamic loading

*Resilient modulus*

USE: Modulus

*Resistance*

USE: Strength

*Resource management*

USE: Management

*Response rate*

USE: Non response rate

**Responsibility**

UF: Liability  
NT: Social responsibility  
RT: Litigation  
Negligence

*Rest area*

USE: Service area

**Rest period**

RT: Driving hours  
Hours of work  
Human fatigue  
Sleep patterns

*Restaurant*

USE: Licensed premises

**Restraint**

UF: Passive safety system  
BT: Vehicle component  
Vehicle safety  
NT: Air bag  
Child restraint  
Seat belt  
RT: Injury prevention  
Restraint usage

**Restraint usage**

RT: Driver behaviour  
Passenger  
Restraint

*Resuscitation*

USE: First aid

**Retaining wall**

RT: Dowel  
Embankment  
Reinforced earth  
Slope stability  
Soil nailing

*Retardation*

USE: Braking

**Retarder**

BT: Admixture  
RT: Concrete

**Retread tyre**

UF: Regrooved tyre  
BT: Tyre

**Retrofitting**

RT: Bridge maintenance  
Maintenance method  
Repair

*Retroreflecting road stud*

USE: Reflecting road stud

**Retroreflectivity**

RT: Reflectivity

**Revealed preference**

UF: RP  
RT: Decision process  
Discrete choice  
Modelling  
Stated preference

**Revegetation**

RT: Vegetation

**Revenue**

RT: Cost recovery  
Expenditure  
Income  
Payment

**Reversible lane**

BT: Traffic lane  
RT: Contraflow traffic  
Multilane  
Traffic direction

**Reversing**

BT: Driving  
RT: Traffic direction

**Rheology**

NT: Flow  
Hydraulics  
RT: Plasticity  
Viscoelasticity  
Viscosity

*Rib*

USE: Thorax

*Ride quality*

USE: Riding quality

*Rideability*

USE: Riding quality

*Ridesharing*

USE: Car pooling

**Riding quality**

UF: Ride quality  
Rideability  
RT: Comfort  
Roughness

*Right of way*

USE: Priority traffic

*Right turn*

USE: Turn

*Rigid pavement*

USE: Concrete pavement

*Rigidity*

USE: Stiffness

**Ring road**

BT: Road type

**Rippability**

BT: Geotechnical engineering

**Risk**

UF: Danger  
Hazard  
NT: Risk management  
Risk taking  
RT: Crash  
Risk analysis  
Risk assessment

**Risk analysis**

NT: Risk assessment  
RT: Risk  
Risk management

**Risk assessment**

SN: Risk assessment is a process within risk analysis that involves identifying levels of risk  
BT: Risk analysis  
RT: Risk  
Risk management

**Risk management**

BT: Management  
Risk  
RT: Cost benefit analysis  
Insurance  
Risk analysis  
Risk assessment



### **Risk taking**

- UF: Careless driving  
Dangerous driving
- BT: Human factors  
Risk
- RT: Decision process  
Driver behaviour  
Personality  
Wrong way driving

### **River**

- UF: Creek  
Inland waterway
- BT: Water
- RT: Causeway  
River transport

### **River transport**

- BT: Transport mode
- RT: Ferry  
River  
Sea transport

### *Road accident*

- USE: Crash

### **Road authority**

- RT: Public administration  
Traffic authority  
Transport authority

### *Road capacity*

- USE: Traffic capacity

### *Road classification*

- USE: Road hierarchy  
Road type

### **Road closure**

- UF: Closure
- BT: Traffic control
- RT: Lane closure  
Traffic diversion

### **Road construction**

- BT: Construction
- NT: Compaction  
Roadbase stabilization  
Soil stabilization  
Spreading
- RT: Construction equipment  
Road design  
Road engineering  
Road maintenance  
Road materials  
Widening

### **Road costs**

- BT: Cost
- RT: Cost recovery  
Life cycle costs  
Maintenance economics  
Road economics  
Road funding  
Road pricing

### **Road design**

- UF: Highway design
- BT: Design
- NT: Channelization  
Curve  
Design speed  
Geometric design  
Road profile
- RT: Design standard  
Median  
Noise barrier  
Road construction  
Road engineering  
Road geometry  
Road maintenance  
Road network  
Road planning  
Safety audit  
Traffic engineering

### **Road development**

- UF: Development
- RT: Engineering history

### **Road economics**

- BT: Economics
- RT: Congestion pricing  
Maintenance economics  
Road costs  
Road funding  
Road pricing  
Road user charges

### **Road engineering**

- SN: Used for general items on roads and for items that cover many aspects of roads (e.g. construction, design, maintenance, related structures, etc.)
- BT: Civil engineering
- RT: Road construction  
Road design  
Traffic engineering

### **Road environment**

- SN: This phrase is used for a combination of road factors including road design, traffic engineering, weather, traffic flow, etc.
- UF: Environment (road)
- RT: Crash cause

### Road funding

BT: Funding  
RT: Investment  
Private funding  
Road costs  
Road economics  
Transport funding

### Road geometry

UF: Geometry (road)  
RT: Angle  
Cross section  
Geometric design  
Road design

### Road heating

UF: Bridge heating  
Heating (road)  
RT: Winter maintenance

### Road hierarchy

UF: Road classification  
RT: Road inventory  
Road type

### Road holding

USE: Vehicle handling

### Road hump

UF: Speed bump  
Speed hump  
BT: Speed control  
Traffic control devices  
RT: Local area traffic management

### Road improvement

UF: Upgrading (road)  
BT: Improvement  
RT: Road maintenance

### Road inventory

BT: Inventory  
RT: Road hierarchy  
Road network

### Road layout

USE: Geometric design

### Road length

UF: Length

### Road lighting

USE: Street lighting

### Road location

BT: Location  
RT: Alignment  
Road planning

### Road maintenance

UF: Highway maintenance  
Rehabilitation  
BT: Maintenance  
NT: Patching  
Pavement maintenance  
RT: Drainage  
Pavement marking  
Road construction  
Road design  
Road improvement

### Road management

BT: Management  
RT: Asset management  
Maintenance management  
Transport management

### Road marking

USE: Pavement marking

### Road materials

UF: Construction materials  
BT: Materials  
NT: Pavement materials  
RT: Local materials  
Road construction  
Road surface properties

### Road median

USE: Median

### Road needs

BT: Demand

### Road network

UF: Road network performance  
RT: Link  
Road design  
Road inventory  
Road planning  
Traffic assignment  
Traffic capacity  
Transport network

### Road network performance

USE: Performance indicators  
Road network



### Road planning

- BT: Planning
  - Transport planning
- RT: Aerial photography
  - Bridge planning
  - Environmental impact assessment (EIA)
  - Infrastructure
  - Land acquisition
  - Project evaluation
  - Public participation
  - Road design
  - Road location
  - Road network
  - Surveying
  - Traffic capacity
  - Traffic management
  - Urban development
  - Urban form

### Road pricing

- RT: Congestion pricing
  - Road costs
  - Road economics
  - Road user charges
  - Transport economics
  - Transport pricing
  - Willingness to pay

### Road profile

- UF: Profile
- BT: Road design
- NT: Longitudinal profile
  - Transverse profile
- RT: Profilometer
  - Roughness

### Road rage

- USE: Aggressiveness
  - Driver behaviour

### Road rater

- USE: Deflectometer

### Road rules

- USE: Traffic regulations

### Road safety

- UF: Safe system (road users)
  - Safe system (roads)
  - Traffic safety
- BT: Safety
- RT: Crash
  - Transport safety
  - Truck mounted attenuator
  - Vehicle safety

### Road safety campaign

- USE: Safety campaign

### Road shoulder

- USE: Shoulder

### Road statistics

- BT: Statistics

### Road structure

- USE: Pavement

### Road stud

- BT: Delineation
- NT: Reflecting road stud
- RT: Rumble strip

### Road surface

- USE: Surfacing

### Road surface properties

- NT: Dry road
  - Roughness
  - Surface texture
  - Wet road
- RT: Friction
  - Road materials
  - Surfacing

### Road toll

- USE: Fatality

### Road train

- BT: Articulated vehicle
  - Heavy vehicle
  - Vehicle type

### Road transport

- UF: Trucking industry
- BT: Transport mode

### Road transport informatics

- USE: Intelligent transport systems (ITS)

(Next term on next page)

**Road type**

UF: Road classification  
 NT: Access road  
 Arterial road  
 Bypass  
 Causeway  
 Distributor road  
 Divided road  
 Driveway  
 Forestry road  
 Freeway  
 Highway  
 Logging road  
 Low cost road  
 Mining road  
 Mountain road  
 One way street  
 Ring road  
 Rural road  
 Sealed road  
 Secondary road  
 Service road  
 Street  
 Toll road  
 Two lane road  
 Urban road  
 RT: Road hierarchy

**Road user**

BT: Traveller  
 NT: Cyclist  
 Driver  
 Motorcyclist  
 Pedestrian  
 Vehicle occupant  
 Vulnerable road user  
 RT: Road user behaviour  
 Road user characteristics  
 Road user charges  
 Road user costs  
 Road user education  
 Road user performance  
 Road user rehabilitation  
 Vehicle aggressivity

**Road user behaviour**

BT: Behaviour  
 NT: Crossing the road  
 Driver behaviour  
 RT: Decision process  
 Gap acceptance  
 Helmet usage  
 Human factors  
 Pedestrian  
 Road user  
 Road user performance

**Road user characteristics**

BT: Characteristics  
 NT: Age  
 Female  
 Male  
 Personality  
 RT: Road user

**Road user charges**

UF: Heavy vehicle tax  
 NT: Fuel tax  
 Pay parking  
 Toll road  
 Vehicle registration  
 RT: Congestion pricing  
 Cost recovery  
 Parking meter  
 Road economics  
 Road pricing  
 Road user  
 Tax  
 Transport economics

**Road user costs**

RT: Crash costs  
 Operating costs  
 Road user  
 Travel time  
 Vehicle costs  
 Willingness to pay

**Road user education**

BT: Education  
 NT: Driver education  
 RT: Advertising  
 Crash countermeasure  
 Publicity  
 Road user  
 Safety campaign

*Road user movement*

USE: Crash type

**Road user performance**

UF: Skill  
 BT: Performance  
 NT: Driver performance  
 RT: Attention  
 Cognitive load  
 Comprehension  
 Distraction  
 Memory  
 Perception  
 Road user  
 Road user behaviour



**Road user rehabilitation**

SN: Used in the context of changing behaviour, rather than a medical context  
 UF: Rehabilitation  
 RT: Driver  
 Road user

*Road vehicle interaction*

USE: Vehicle pavement interaction

*Road works*

USE: Work zone

**Roadbase**

UF: Base  
 BT: Pavement layer  
 NT: Basecourse  
 Subbase  
 RT: Roadbase stabilization  
 Surfacing  
 Wearing course

**Roadbase stabilization**

UF: Cement treated base  
 Stabilization of roadbase  
 BT: Road construction  
 Stabilization  
 RT: Roadbase  
 Soil stabilization

*Roadbed*

USE: Subsoil

*Roadhouse*

USE: Service station

**Roadside**

NT: Roadside management  
 RT: Advertising  
 Landscaping  
 Roadside hazard  
 Service area  
 Service road  
 Vegetation

*Roadside barrier*

USE: Safety fence

**Roadside hazard**

RT: Clear zone  
 Crash test  
 Frangible joint  
 Pole  
 Roadside  
 Safety fence

**Roadside management**

BT: Management  
 Roadside

*Roadway*

USE: Carriageway

*Roadworks*

USE: Work zone

*Roadworthiness*

USE: Compliance  
 Vehicle regulations

**Robot**

RT: Automation

**Rock**

BT: Geology  
 Geomorphology  
 NT: Basalt  
 Coal  
 Crushed stone  
 Limestone  
 Mudstone  
 Pozzolan  
 Quartz  
 Sandstone  
 RT: Bolt  
 Erosion  
 Rock mechanics  
 Soil

*Rock anchor*

USE: Bolt

*Rock bolt*

USE: Bolt

**Rock mechanics**

BT: Geotechnical engineering  
 NT: Anchorage  
 Decompression  
 RT: Foundation  
 Rock  
 Soil mechanics

*Rockfall*

USE: Landslide

**Rolled asphalt**

RT: Asphalt

## **Roller**

- UF: Grid roller  
Pneumatic tyred roller  
Tandem roller  
Vibrating roller
- BT: Construction equipment
- RT: Compaction  
Roller compacted concrete

## **Roller compacted concrete**

- BT: Concrete pavement
- RT: Compaction  
Roller

## **Rolling contact**

- SN: Interaction between a rail wheel  
and railway track
- RT: Bogie  
Overhead contact  
Railway track

## **Rolling resistance**

- BT: Movement

## **Rolling stock**

- BT: Rail transport
- NT: Carriage  
Train  
Wagon
- RT: Derailment  
Railway track

## *Rollover*

- USE: Overturning

## *Rope*

- USE: Cable

## **Roughness**

- UF: Evenness  
Surface irregularity
- BT: Pavement properties  
Road surface properties
- NT: International roughness index (IRI)  
NAASRA roughness
- RT: Corrugation  
Longitudinal profile  
Pothole  
Profilometer  
Riding quality  
Road profile  
Rutting

## **Roundabout**

- UF: Traffic circle
- BT: Controlled intersection  
Intersection  
Traffic control devices
- RT: Unsignalized intersection

## **Route**

- NT: Vehicle routing
- RT: Route choice  
Route guidance

## **Route choice**

- UF: Choice of route
- BT: Travel behaviour
- RT: Route  
Route guidance

## *Route closure*

- USE: Line closure  
Transport line

## **Route guidance**

- UF: Automotive guidance  
Guidance (route)
- RT: Intelligent transport systems (ITS)  
Navigation  
Route  
Route choice

## **Routine maintenance**

- RT: Maintenance management  
Pavement maintenance  
Periodic maintenance  
Preventive maintenance

## *RP*

- USE: Revealed preference

## *RTI*

- USE: Intelligent transport systems (ITS)

## **Rubber**

- UF: Latex  
Neoprene
- NT: Crumb rubber
- RT: Bitumen  
Elastomer  
Tyre

## *Rubble*

- USE: Coarse aggregate

## *Rule of the road*

- USE: Traffic regulations

## *RUM*

- USE: Crash type

## **Rumble strip**

- UF: Singing strip
- BT: Pavement marking
- RT: Edge marking  
Road stud



**Run off**

UF: Storm water  
BT: Water  
RT: Drainage  
Rain

**Run off the road crash**

BT: Crash type  
RT: Lane departure

**Runway**

UF: Taxiway  
RT: Airport  
Heavy duty pavement

*Rupture*

USE: Failure

**Rural area**

BT: Built environment  
RT: Agriculture  
Land use  
Regional planning  
Town

**Rural road**

BT: Road type  
RT: Forestry road  
Low cost road  
Low traffic road  
Unsealed road

**Rural transport**

BT: Transport

*Rush hour*

USE: Peak hour

*Rust*

USE: Corrosion

**Rutting**

UF: Permanent deformation  
BT: Pavement performance  
RT: Deformation  
Deterioration  
Roughness  
Vehicle pavement interaction

*Safe system (road users)*

USE: Road safety

*Safe system (roads)*

USE: Road safety

*Safe system (vehicles)*

USE: Vehicle safety

**Safety**

NT: Road safety  
Safety audit  
Safety fence  
Structural safety  
Transport safety  
Vehicle safety  
RT: Consumer protection  
Occupational health

**Safety audit**

BT: Audit  
Safety  
RT: Efficiency  
Road design

*Safety belt*

USE: Seat belt

**Safety campaign**

UF: Road safety campaign  
RT: Road user education

**Safety coefficient**

UF: Coefficient  
BT: Strength

**Safety fence**

UF: Barrier  
Crash barrier  
Fence  
Guard rail  
Guide rail  
Roadside barrier  
BT: Safety  
RT: Crash test  
Median  
Mobile barrier  
Parapet  
Roadside hazard  
Structural design

**Safety glass**

UF: Laminated glass  
Toughened glass  
Zone toughened glass  
BT: Glass  
Vehicle component  
RT: Windscreen

*Safety harness*

USE: Seat belt

*Safety measure*

USE: Crash countermeasure

**Saliva test**

RT: Drug  
Drug driving

**Salt**

NT: Deicing salt  
RT: Alkali  
Sulfate

**Sample**

SN: Use this term for samples of material. For samples in statistics use Statistical sample  
UF: Specimen  
Test specimen  
RT: Statistical sample  
Test method

**Sampling**

RT: Data collection

**Sand**

BT: Soil  
RT: Aggregate  
Concrete

**Sandstone**

UF: Flysch  
Grauwacke  
Graywacke  
BT: Rock

**Satellite**

BT: Communications  
RT: Remote sensing

*Saturated material*

USE: Degree of saturation

*SBS*

USE: Styrene butadiene styrene (SBS)

**Scaffolding**

UF: Centring  
Falsework  
RT: Bridge  
Bridge construction  
Launching

*Scaling*

USE: Spalling

*SCATS*

USE: Area traffic control

**Scheduling**

UF: Transport schedule  
Trip scheduling  
RT: Timetable  
Transport management

*Schist*

USE: Shale

**School**

RT: Education  
School bus  
School crossing  
University

**School bus**

BT: Bus  
RT: School

**School crossing**

BT: Pedestrian crossing  
RT: Crossing the road  
School

**Science**

RT: Technology

*Scissors junction*

USE: Cross roads

*SCOOT*

USE: Area traffic control

*Scooter*

USE: Mobility scooter  
Motorcycle

*Scour*

USE: Erosion

*Scraper*

USE: Construction equipment

*Screed*

USE: Construction equipment

*Screening*

USE: Sieving

**Sea**

UF: Marine environment  
BT: Water  
RT: Coastal area  
Sea transport

**Sea transport**

BT: Transport mode  
RT: Ferry  
Port  
River transport  
Sea

*Seal break*

USE: Delamination

*Sealant*

USE: Joint sealing



### Sealed road

BT: Road type  
RT: Unsealed road

### Sealing coat

UF: Protective layer  
BT: Pavement layer  
RT: Coating  
Slurry seal  
Surfacing

### Sealing compound

USE: Joint sealing

### Season

RT: Weather

### Seat

BT: Vehicle component  
NT: Head rest  
RT: Child restraint  
Comfort

### Seat belt

UF: Lap strap  
Safety belt  
Safety harness  
BT: Restraint  
RT: Child restraint

### Seating capacity

USE: Vehicle occupancy

### Seating position

RT: Passenger  
Vehicle occupant

### Second hand car

USE: Second hand vehicle

### Second hand vehicle

UF: Second hand car  
Used car  
Used vehicle  
BT: Vehicle

### Secondary crash

UF: Secondary impact  
BT: Crash type

### Secondary impact

USE: Secondary crash

### Secondary road

BT: Road type  
RT: Low cost road  
Service road

### Security

RT: Anti terrorist measures  
Fire  
Theft  
Transport safety

### Sedan

USE: Car

### Sediment

RT: Particle

### Seeding

USE: Vegetation

### Seepage

UF: Infiltration  
Percolation  
BT: Water

### Segmental pavement

USE: Block pavement

### Segregation

SN: Use for either materials or traffic  
segregation

### Seismic disturbance

UF: Earthquake

### Seismic loading

USE: Dynamic loading

### Selection

UF: Choice  
RT: Decision process

### Self compacting concrete

UF: Self consolidating concrete

### Self consolidating concrete

USE: Self compacting concrete

### Self healing

USE: Self repairing

### Self repairing

UF: Self healing  
RT: Maintenance  
Material properties

### Semi rigid pavement

USE: Soil cement pavement

### Semitrailer

USE: Articulated vehicle

## Sensor

UF: Detector  
Pedestrian detector  
BT: Measuring equipment  
RT: Electronics  
Loop detector  
Strain gauge  
Vehicle detector

## Service area

UF: Picnic area  
Rest area  
BT: Parking  
RT: Freeway  
Roadside  
Service station

## Service levels

USE: Level of service

## Service life

USE: Durability

## Service road

UF: Frontage road  
BT: Road type  
RT: Residential area  
Roadside  
Secondary road

## Service station

UF: Filling station  
Petrol station  
Roadhouse  
RT: Petrol  
Service area

## Sett

USE: Block pavement

## Setting

NT: Curing agent  
Hardening  
RT: Concrete

## Settlement

UF: Ground movement  
BT: Soil mechanics  
RT: Consolidation  
Creep  
Embankment  
Foundation  
Movement  
Slope stability

## Shale

UF: Schist  
BT: Soil  
RT: Clay

## Shape

BT: Material properties  
RT: Angle  
Angularity  
Dimension

## Shared path

RT: Bicycle path  
Footpath

## Shared taxi

UF: Jitney  
BT: Taxi  
RT: Paratransit

## Shear strength

BT: Strength

## Sheet pile wall

RT: Cofferdam

## Shire council

USE: Local government

## Shopping

RT: Journey purpose  
Shopping centre

## Shopping centre

BT: Land use  
RT: Pedestrian precinct  
Shopping  
Town centre  
Town planning

## Shotcrete

UF: Gunite  
Sprayed concrete  
BT: Concrete

## Shoulder

UF: Hard shoulder  
Road shoulder  
RT: Carriageway  
Pavement

## Shrinkage

UF: Contraction  
RT: Concrete  
Expansion

## Shuttering

USE: Formwork

## Side car

USE: Motorcycle

## Sidewalk

USE: Footpath



**Sideways crash**

UF: Lateral crash  
BT: Crash type

**Sieving**

UF: Screening  
Test sieve  
BT: Excavation process  
RT: Aggregate

*Sight*

USE: Vision

*Sight distance*

USE: Visibility distance

**Sign**

NT: Traffic sign  
RT: Communication  
Legibility  
Lettering  
Symbol

**Signal**

RT: Traffic signal

**Signal controller**

BT: Computer hardware  
RT: Traffic signal

**Signal timing**

UF: Cycle (traffic signals)  
BT: Traffic signal  
NT: Fixed time signals  
Linked signals  
RT: Green light  
Signalized intersection

**Signalized intersection**

BT: Controlled intersection  
Intersection  
RT: Dilemma zone  
Fixed time signals  
Linked signals  
Signal timing  
Traffic signal  
Unsignalized intersection  
Vehicle actuated

*Silhouette*

USE: Visual contrast

**Silica fume**

UF: Microsilica  
BT: By product  
RT: Alkali silica reaction  
Concrete  
Stabilization

*Siliceous*

USE: Quartz

**Silt**

BT: Soil

*Simulation*

USE: Modelling

*Singing strip*

USE: Rumble strip

**Single vehicle crash**

BT: Crash type

**Site investigation**

BT: Geotechnical engineering  
NT: Bore hole  
RT: Excavation pit  
Soil mechanics

*Size*

USE: Dimension

**Skew bridge**

BT: Bridge  
RT: Curved bridge

**Skidding**

BT: Vehicle handling  
NT: Aquaplaning  
RT: Braking  
Crash  
Non skid treatment  
Skidding resistance  
Wet road

**Skidding resistance**

UF: Slipperiness  
BT: Surface texture  
NT: Non skid treatment  
RT: Braking  
Cloutage  
Skidding

*Skill*

USE: Driver performance  
Road user performance

**Slab**

BT: Bridge deck  
RT: Bar  
Concrete pavement  
Orthotropic plate  
Plate

**Slag**

UF: Blast furnace slag  
Fine slag  
Granulated slag  
Ground slag  
RT: By product

*Slaked lime*

USE: Lime

*Sleep apnea*

USE: Sleep apnoea

**Sleep apnoea**

UF: Apnea  
Apnoea  
Sleep apnea  
BT: Illness  
RT: Human fatigue  
Sleep patterns

*Sleep disorder*

USE: Sleep patterns

*Sleep disturbance*

USE: Sleep patterns

**Sleep patterns**

UF: Sleep disorder  
Sleep disturbance  
RT: Driving hours  
Hours of work  
Human fatigue  
Rest period  
Sleep apnoea

*Sleepiness*

USE: Human fatigue

**Slip form paver**

BT: Paver  
RT: Surface finishing

*Slip road*

USE: Access road

**Slip surface**

BT: Slope stability

*Slipperiness*

USE: Skidding resistance

**Slope**

BT: Transverse profile  
RT: Gradient  
Slope stability

**Slope stability**

UF: Stabilization of slope  
BT: Stability  
NT: Slip surface  
RT: Embankment  
Landslide  
Retaining wall  
Settlement  
Slope  
Soil nailing  
Stabilization  
Vegetation

**Slow driving**

BT: Driver behaviour  
RT: Speed

*Slow vehicle lane*

USE: Climbing lane

**Slump test**

BT: Test  
Test method  
RT: Concrete

*Slurry*

USE: Grout

**Slurry seal**

RT: Chip seal  
Cracking  
Sealing coat  
Sprayed seal  
Surfacing

*SMA*

USE: Stone mastic asphalt (SMA)

**Smart card**

UF: Stored value card  
RT: Automatic fare collection  
Automatic toll collection  
Electronics  
Intelligent transport systems (ITS)  
Privacy  
Transponder

**Smog**

RT: Air pollution  
Fog

**Snow**

BT: Weather  
RT: Snow fence

**Snow clearance**

UF: Clearance of snow  
BT: Winter maintenance

**Snow fence**

RT: Snow



*Social aspects*

USE: Sociology

*Social change*

USE: Change

**Social costs**

BT: Cost

RT: Sociology

*Social equity*

USE: Equity

*Social factors*

USE: Sociology

**Social media**

RT: Communications

Internet

**Social responsibility**

BT: Responsibility

RT: Ethics

*Social values*

USE: Values

**Socioeconomic factors**

RT: Demography

Economics

Sociology

**Sociology**

UF: Social aspects

Social factors

NT: Human factors

RT: Change

Occupation

Peer group

Psychology

Social costs

Socioeconomic factors

Values

**Softening**

RT: Binder

Deterioration

*Software*

USE: Computer program

**Soil**

UF: Humus

BT: Geology

NT: Clay

Cohesive soil

Granular

Laterite

Non cohesive soil

Sand

Shale

Silt

Soil classification

RT: Compaction

Erosion

Fines

Peat

Rock

Soil mechanics

Soil stabilization

Subsoil

**Soil cement pavement**

UF: Betophalt

Semi rigid pavement

Statiflex

BT: Pavement

RT: Bituminous pavement

Concrete pavement

**Soil classification**

BT: Soil

*Soil flow*

USE: Flow

**Soil mechanics**

BT: Geotechnical engineering

NT: Coefficient of subgrade reaction

Consolidation

Earth pressure

Flow

Pore water pressure

Settlement

Suction

RT: Foundation

Liquid limit

Plastic limit

Rock mechanics

Site investigation

Soil

**Soil nailing**

RT: Embankment

Foundation

Retaining wall

Slope stability

**Soil stabilization**

UF: Stabilised soil  
Stabilized soil  
BT: Road construction  
Stabilization  
RT: Bitumen  
Carbonation  
Cement  
Roadbase stabilization  
Soil

**Soil structure interaction**

RT: Pile  
Structural interface

**Solar energy**

BT: Electricity

*Solar vehicle*

USE: Electric vehicle

**Solid line**

BT: Pavement marking  
RT: Broken line

**Solvent**

**Sound level**

UF: Noise level  
RT: Noise

*SP*

USE: Stated preference

*Spacing*

USE: Vehicle spacing

**Spalling**

UF: Scaling  
RT: Concrete  
Deterioration

**Span**

BT: Bridge superstructure  
RT: Cantilever

*Spark plug*

USE: Ignition

**Spatial analysis**

RT: Data analysis  
Research method  
Spatiotemporal analysis  
Statistical analysis

**Spatio temporal analysis**

RT: Spatial analysis

**Special event**

UF: Sporting event  
RT: Traffic management  
Transport planning

*Specific gravity*

USE: Density

**Specifications**

RT: Bridge materials  
Code of practice  
Compliance  
Construction  
Contract  
Pavement materials  
Standardization

*Specimen*

USE: Sample

**Speed**

UF: Rate of travel  
Vehicle speed  
Velocity  
NT: Average speed  
Design speed  
Operating speed  
Speed limit  
RT: Car following  
High speed  
Level of service  
Slow driving  
Speed camera  
Speed control  
Speeding  
Speedometer  
Traffic flow

*Speed bump*

USE: Road hump

**Speed camera**

BT: Photography  
RT: Law enforcement  
Speed  
Vehicle detector

**Speed control**

BT: Traffic control  
NT: Radar  
Road hump  
Variable message sign  
RT: Adaptive cruise control (ACC)  
Intelligent speed adaptation (ISA)  
Local area traffic management  
Speed  
Speed feedback sign  
Variable speed limit

**Speed feedback sign**

RT: Driver behaviour  
Speed control  
Variable message sign

*Speed hump*

USE: Road hump



### Speed limit

BT: Speed  
NT: Variable speed limit  
RT: Design speed  
Legislation  
Operating speed  
Traffic regulations

### Speeding

UF: Excessive speed  
BT: Driver behaviour  
Offence  
RT: Speed

### Speedometer

BT: Vehicle component  
RT: Speed

### Spinal column

BT: Human body  
RT: Neck  
Whiplash

### Splitting tensile test

UF: Brazilian test  
Indirect tensile test  
BT: Test method

### Sporting event

USE: Special event

### Spray

SN: Use also for stones thrown up by vehicles  
RT: Wet road  
Windscreen

### Sprayed concrete

USE: Shotcrete

### Sprayed seal

RT: Bituminous pavement  
Chip seal  
Slurry seal  
Surface dressing  
Surfacing

### Spreading

UF: Windrow  
BT: Road construction  
RT: Laying

### Stabilised soil

USE: Soil stabilization

### Stability

BT: Material properties  
NT: Slope stability  
Vehicle stability  
RT: Equilibrium  
Hveem  
Marshall test

### Stabilization

NT: Roadbase stabilization  
Soil stabilization  
RT: Cement  
Chemical  
Lime  
Silica fume  
Slope stability

### Stabilization of roadbase

USE: Roadbase stabilization

### Stabilization of slope

USE: Slope stability

### Stabilized soil

USE: Soil stabilization

### Staff

USE: Personnel

### Staggered working hours

USE: Flexible hours

### Standard penetration test

USE: Dynamic penetration test

### Standardization

RT: American standard  
Australian standard  
Benchmarking  
British standard  
Code of practice  
Design standard  
European standard  
International standard  
New Zealand standard  
Specifications

### State government

UF: Government  
RT: Local government  
National government  
Public sector

### Stated preference

UF: SP  
RT: Decision process  
Discrete choice  
Modelling  
Revealed preference

*Static creep*

USE: Creep

**Static loading**

BT: Load  
RT: Dynamic loading  
Material testing  
Modulus

**Static penetration test**

BT: Penetration  
Test method  
RT: Dynamic penetration test

*Statiflex*

USE: Soil cement pavement

*Station wagon*

USE: Car

**Statistical analysis**

UF: Covariance analysis  
Dispersion (statistics)  
BT: Mathematics  
NT: Regression analysis  
RT: Bayesian  
Data analysis  
Econometrics  
Probability  
Spatial analysis  
Statistical sample  
Variability

**Statistical sample**

UF: Random sample  
Stratified sample  
RT: Sample  
Statistical analysis

**Statistics**

SN: Used only for data. For methodology see Statistical analysis  
NT: Crash statistics  
Road statistics  
Traffic statistics  
Transport statistics  
Vehicle statistics  
RT: Census

**Steam**

RT: Evaporation

**Steel**

BT: Bridge materials  
Metal  
RT: Alloy  
Cable  
Corrosion  
Reinforced concrete  
Wire

**Steel bridge**

BT: Bridge  
RT: Curved bridge  
Metal bridge

**Steering**

BT: Driving  
Vehicle handling  
RT: Cornering  
Vehicle trajectory

**Steering column**

BT: Vehicle component

**Steering wheel**

BT: Vehicle component

**Stiffness**

UF: Flexibility  
Rigidity  
BT: Material properties  
Pavement properties  
RT: Modulus

*Stimulant*

USE: Drug

*Stone dust*

USE: Filler

**Stone mastic asphalt (SMA)**

UF: SMA  
Stone matrix asphalt  
BT: Mastic asphalt  
RT: Asphalt

*Stone matrix asphalt*

USE: Stone mastic asphalt (SMA)

*Stop*

USE: Bus stop  
Tram stop

**Stop sign**

BT: Traffic sign  
RT: Controlled intersection  
Give way sign  
Priority traffic

*Stop work*

USE: Strike

*Stopping distance*

USE: Braking distance

*Stopping light*

USE: Brake light

*Stopping prohibited*

USE: No stopping



### Stops

RT: Delay  
Traffic flow

### Storage

RT: Transport facilities

### Stored value card

USE: Smart card

### Storm water

USE: Run off

### Strain

USE: Deformation

### Strain gauge

UF: Extensometer  
BT: Measuring equipment  
RT: Sensor  
Stress analysis

### Strand

USE: Cable

### Strategic planning

BT: Planning  
RT: Management  
Systems analysis

### Stratified sample

USE: Statistical sample

### Street

BT: Road type  
Urban road  
NT: Cul de sac  
RT: Local area traffic management  
One way street  
Residential area

### Street car

USE: Tram

### Street directory

BT: Directory

### Street lighting

UF: Road lighting  
BT: Lighting  
NT: Lantern  
Lighting column  
Luminance  
RT: Glare

### Strength

UF: Resistance  
BT: Material properties  
NT: Buckling  
Compression  
Compressive strength  
High strength  
Safety coefficient  
Shear strength  
Tensile strength  
Torsion  
RT: Elasticity  
Failure  
Load  
Plasticity  
Repetitive loading

### Strengthening (pavement)

USE: Pavement strengthening

### Stress

SN: For psychological stress use Human stress  
RT: Deformation  
Load  
Stress analysis  
Triaxial test

### Stress analysis

RT: Strain gauge  
Stress

### Strike

UF: Labour dispute  
Stop work  
Work stoppage  
BT: Industrial relations

### Stripping

SN: Loss of pavement surface material involving the dislodging of aggregate particles and degradation of the bituminous binder by the action of traffic, usually in the presence of water  
UF: Antistripping  
Flushing  
Fretting  
Ravelling  
RT: Adhesion  
Deterioration

### Structural analysis

RT: Back analysis  
Back calculation

**Structural design**

BT: Design  
 NT: Bridge design  
 Pavement design  
 RT: Arch  
 Building  
 Limit states design  
 Safety fence  
 Vehicle design

**Structural engineering**

BT: Civil engineering  
 NT: Connector

**Structural interface**

UF: Interface  
 RT: Bond  
 Delamination  
 Pavement layer  
 Soil structure interaction  
 Vehicle bridge interaction  
 Vehicle pavement interaction

*Structural member*

USE: Beam

**Structural safety**

BT: Safety  
 RT: Bridge failure

**Structural testing**

BT: Test  
 RT: Bridge testing

**Studded tyre**

BT: Tyre  
 RT: Vehicle pavement interaction  
 Wear

*Study*

USE: Before and after study  
 Case control study  
 Case study  
 Cohort study  
 Feasibility study  
 Field study  
 Impact study  
 Laboratory study

*Styrene butadiene copolymer*

USE: Styrene butadiene styrene (SBS)

*Styrene butadiene rubber*

USE: Styrene butadiene styrene (SBS)

**Styrene butadiene styrene (SBS)**

UF: SBS  
 Styrene butadiene copolymer  
 Styrene butadiene rubber  
 BT: Elastomer  
 Polymer  
 RT: Admixture

**Subbase**

BT: Pavement layer  
 Roadbase  
 RT: Basecourse  
 Surfacing  
 Wearing course

*Subcontractor*

USE: Contractor

**Subdivision**

RT: Neighbourhood  
 Residential area  
 Town planning

**Subgrade**

BT: Pavement layer  
 RT: Foundation

**Subsidy**

BT: Transport funding  
 RT: Expenditure  
 Public transport

**Subsoil**

UF: Foundation soil  
 Roadbed  
 RT: Soil

*Subsurface drainage*

USE: Drainage

**Suburbs**

UF: Outskirts  
 BT: Urban area  
 NT: Outer suburbs  
 RT: Residential area

**Suction**

BT: Soil mechanics

**Sulfate**

UF: Sulphate  
 RT: Concrete  
 Salt

*Sulphate*

USE: Sulfate



### **Superelevation**

UF: Banking  
BT: Curve  
Geometric design  
RT: Transverse profile

### *Superior performing asphalt pavements*

USE: Superpave

### **Superpave**

UF: Superior performing asphalt pavements  
RT: Asphalt  
Bituminous pavement  
Mix design  
Pavement performance

### *Superplasticizer*

USE: Plasticizer

### *Superstructure*

USE: Bridge superstructure

### **Supervising driver**

RT: Driver training  
Learner driver

### **Supply**

UF: Delivery  
RT: Demand

### *Support*

USE: Pole

### *Surface active agent*

USE: Surfactant

### *Surface course*

USE: Wearing course

### *Surface drainage*

USE: Drainage

### **Surface dressing**

RT: Bitumen  
Sprayed seal  
Surfacing

### **Surface finishing**

UF: Finishing  
RT: Slip form paver

### *Surface irregularity*

USE: Roughness

### **Surface texture**

UF: Grooving  
BT: Macrotexture  
Road surface properties  
NT: Cloutage  
Corrugation  
Skidding resistance  
RT: Coefficient of friction  
Polished stone value  
Polishing  
Wear

### **Surfacing**

UF: Road surface  
BT: Pavement layer  
NT: Bridge surfacing  
RT: Basecourse  
Carriageway  
Chip seal  
Luminance  
Overlay  
Road surface properties  
Roadbase  
Sealing coat  
Slurry seal  
Sprayed seal  
Subbase  
Surface dressing  
Tack coat  
Wearing course

### **Surfactant**

UF: Adhesion agent  
Surface active agent  
Wetting agent  
RT: Adhesion

### *Survey*

USE: Data collection  
Field study  
Laboratory study  
Online survey  
Questionnaire  
Telephone survey

### **Surveying**

UF: Levelling  
Topography  
NT: Photogrammetry  
RT: Aerial photography  
Geomorphology  
Global positioning system (GPS)  
Remote sensing  
Road planning  
Terrain

### *Suspended driver*

USE: Licence suspension

**Suspension bridge**

BT: Bridge  
RT: Cable  
Cable stayed bridge  
Curved bridge

**Sustainability**

RT: Biodiversity  
Environment  
Sustainable development  
Sustainable transport

**Sustainable development**

RT: Economic development  
Environment  
Sustainability

**Sustainable transport**

RT: Environment  
Sustainability  
Transport planning

**Swept path**

UF: Turning template  
RT: Turn

**Swing bridge**

BT: Bridge  
RT: Curved bridge

**Switch**

SN: For diverting train to different  
railway track  
BT: Railway track  
RT: Vehicle routing

**Symbol**

UF: Ideogram  
Pictogram  
RT: Comprehension  
Lettering  
Sign  
Traffic sign

**System architecture**

RT: Computer network  
Intelligent transport systems (ITS)  
Planning  
Systems analysis

**Systematic review**

RT: Research method

**Systems analysis**

RT: Pavement design  
Strategic planning  
System architecture  
Transport planning

**T beam**

BT: Beam

**T intersection**

BT: Intersection

**Table drain**

USE: Drainage

**Tack coat**

RT: Surfacing

**Tactile**

USE: Haptics

**Tail end crash**

USE: Rear end crash

**Tail light**

USE: Rear light

**Tailgating**

USE: Headway

**Take over request (TOR)**

BT: Advanced vehicle control systems  
(AVCS)  
RT: Non driving related activity

**Tandem roller**

USE: Roller

**Tanker**

BT: Heavy vehicle  
RT: Fuel  
Petroleum

**Tar**

BT: Pavement materials  
RT: Bitumen tar mixture  
Pitch

**Tar concrete**

USE: Dense tar surfacing

**Tariff**

BT: Economics

**Tarmacadam**

USE: Macadam

**Tax**

BT: Economics  
NT: Fuel tax  
RT: Carbon pricing  
Road user charges

**Taxi**

UF: Cab  
BT: Private transport  
Transport mode  
Vehicle type  
NT: Shared taxi  
RT: Demand responsive transport  
Paratransit

*Taxiway*

USE: Runway

*TDM*

USE: Demand management

**Technical writing**

UF: Report writing  
Writing

*Technique*

USE: Method

*Technological change*

USE: Change

**Technology**

NT: Nanotechnology  
RT: Automation  
Change  
Innovation  
Science

**Technology transfer**

RT: Communication  
Research and development

*Teenager*

USE: Adolescent

**Telecommunications**

BT: Communications  
RT: Fibre optics

**Telecommuting**

UF: Teleworking  
RT: Employment  
Journey to work  
Travel behaviour

**Telephone**

UF: Phone  
BT: Communications  
Public utilities  
NT: Mobile phone  
RT: Telephone survey

**Telephone survey**

UF: Survey  
BT: Data collection  
RT: Non response rate  
Telephone

**Television**

UF: TV  
RT: Communications  
Video

*Teleworking*

USE: Telecommuting

**Temperature**

BT: Physics  
Weather  
RT: Cold  
Heat  
Insulation

**Temporary bridge**

UF: Bailey bridge  
BT: Bridge  
RT: Curved bridge

**Tender**

UF: Bid  
RT: Competition  
Construction  
Contract

**Tensile strength**

BT: Strength

**Terminus**

BT: Transport facilities  
RT: Modal interchange  
Park and ride  
Transport depot

**Terrain**

BT: Geomorphology  
NT: Alignment  
Photogrammetry  
RT: Aerial photography  
Remote sensing  
Surveying

*Terrorism*

USE: Anti terrorist measures

**Test**

UF: Experiment  
NT: Bridge testing  
Crash test  
Field test  
Laboratory test  
Material testing  
Pavement testing  
Slump test  
Structural testing  
Vehicle testing  
RT: Acoustic emission

*Test equipment*

USE: Measuring equipment



**Test method**

BT: Method  
 NT: AASHO road test  
 Accelerated testing  
 Dynamic penetration test  
 Hveem  
 Los Angeles test  
 Marshall test  
 Methylene blue test  
 Non destructive test  
 Plate bearing test  
 Pull out test  
 Repetitive loading  
 Slump test  
 Splitting tensile test  
 Static penetration test  
 Triaxial test  
 RT: Acoustic emission  
 Field test  
 Laboratory test  
 Material testing  
 Repeatability  
 Reproducibility  
 Sample

*Test pit*

USE: Excavation pit

**Test rig**

UF: Tilt deck  
 NT: Accelerated loading facility (ALF)  
 Heavy vehicle simulator (HVS)  
 RT: Pavement testing

*Test sieve*

USE: Sieving

*Test specimen*

USE: Sample

**Test track**

UF: Circular test track  
 RT: Pavement testing  
 Vehicle testing

*Text messaging*

USE: Texting

**Texting**

UF: Text messaging  
 RT: Mobile phone

**Theft**

BT: Offence  
 RT: Security

**Thermal analysis**

UF: Differential thermal analysis  
 DTA  
 BT: Chemical analysis

**Thermoplastic**

BT: Plastics

**Thesaurus**

RT: Dictionary  
 Information retrieval

*Thick lift asphalt pavement*

USE: Full depth asphalt pavement

**Thickness**

BT: Material properties  
 RT: Pavement layer

**Thorax**

UF: Chest  
 Rib  
 BT: Human body

**Through traffic**

BT: Traffic  
 RT: Origin destination traffic  
 Traffic direction  
 Turning traffic

**Ticket**

RT: Fare  
 Payment  
 Public transport

*Tidal flow*

USE: Contraflow traffic

*Tie*

USE: Anchorage

*Tilt deck*

USE: Overturning  
 Test rig

**Timber**

UF: Wood  
 BT: Bridge materials  
 RT: Timber bridge

**Timber bridge**

BT: Bridge  
 RT: Curved bridge  
 Timber

**Time**

UF: Duration  
 NT: Departure time  
 Hour

(Continued in next column)



**Time (Continued)**

RT: Day  
Dusk  
Night  
Travel time  
Value of time  
Waiting time  
Weekday  
Weekend

*Time interval*

USE: Headway

*Time lag*

USE: Headway

**Time of day**

RT: Day  
Dusk  
Hour  
Night  
Off peak hour  
Peak hour

*Time of departure*

USE: Departure time

*Time of trip*

USE: Departure time

**Time series**

RT: Research method

**Time to collision (TTC)**

RT: Braking distance  
Crash avoidance system

**Timetable**

NT: Boarding time  
RT: Public transport  
Punctuality  
Reliability  
Scheduling

**Tinted glass**

BT: Glass  
RT: Coating  
Vehicle window

*Tiredness*

USE: Human fatigue

**Toll collection**

NT: Automatic toll collection  
RT: Payment  
Toll road

**Toll road**

UF: Turnpike  
BT: Road type  
Road user charges  
RT: Automatic toll collection  
Private operator  
Toll collection

*Topography*

USE: Surveying

*Torque*

USE: Torsion

*Torres Strait Islanders*

USE: Indigenous Australian

**Torsion**

UF: Torque  
BT: Strength

*Toughened glass*

USE: Safety glass

**Tourism**

RT: Holiday period  
International tourist  
Journey purpose  
Recreation  
Tourist  
Weekend

**Tourist**

BT: Traveller  
NT: International tourist  
RT: Tourism

**Towing**

RT: Caravan  
Trailer

**Town**

UF: Country town  
NT: Residential area  
RT: Bypass  
Land use  
Rural area  
Urban area

**Town centre**

BT: Urban area  
RT: Business district  
Land use  
Pedestrian precinct  
Shopping centre

# **Town planning**

UF: Urban planning  
 BT: Planning  
 RT: Land use  
 Layout  
 Neighbourhood  
 Pedestrian precinct  
 Public participation  
 Public utilities  
 Region  
 Regional planning  
 Shopping centre  
 Subdivision  
 Transport planning  
 Urban area  
 Urban consolidation  
 Urban development  
 Urban form

# **Toxicity**

RT: Carbon monoxide  
 Health  
 Pollution

# **Tractor**

BT: Vehicle type

# *Tractor trailer*

USE: Articulated vehicle

# **Trade**

RT: Business

# **Traffic**

UF: Traffic survey  
 NT: Merging traffic  
 Through traffic  
 Turning traffic  
 RT: Traffic assignment  
 Traffic authority  
 Traffic capacity  
 Traffic composition  
 Traffic concentration  
 Traffic congestion  
 Traffic control  
 Traffic direction  
 Traffic distribution  
 Traffic engineering  
 Traffic flow  
 Traffic fluctuation  
 Traffic generation  
 Traffic lane  
 Traffic management  
 Traffic monitoring  
 Traffic noise  
 Traffic regulations  
 Traffic restraint  
 Traffic statistics

# *Traffic accident*

USE: Crash

# **Traffic assignment**

RT: Modelling  
 Road network  
 Traffic

# **Traffic authority**

RT: Public administration  
 Road authority  
 Traffic  
 Transport authority

# *Traffic calming*

USE: Local area traffic management

# **Traffic capacity**

UF: Road capacity  
 RT: Intersection  
 Level of service  
 Road network  
 Road planning  
 Traffic

# *Traffic census*

USE: Traffic count

# *Traffic channelization*

USE: Channelization

# *Traffic circle*

USE: Roundabout

# **Traffic composition**

UF: Mixed traffic  
 Traffic mixture  
 Vehicle mix  
 RT: Passenger car unit  
 Traffic  
 Vehicle type

# **Traffic concentration**

UF: Traffic density  
 RT: Bunching  
 Density  
 Traffic  
 Traffic congestion  
 Traffic flow  
 Vehicle spacing

# **Traffic congestion**

UF: Congested traffic  
 RT: Bottleneck  
 Bunching  
 Congestion pricing  
 Delay  
 Peak hour  
 Queue  
 Traffic  
 Traffic concentration  
 Traffic flow  
 Urban transport

**Traffic control**

- NT: Area traffic control
- Priority traffic
- Road closure
- Speed control
- Traffic control devices
- RT: Access management
- Lane closure
- Traffic
- Vehicle actuated

**Traffic control devices**

- BT: Traffic control
- NT: Pavement marking
- Road hump
- Roundabout
- Traffic island
- Traffic sign
- Traffic signal
- RT: Delineation
- Local area traffic management
- Median

**Traffic count**

- UF: Traffic census
- BT: Traffic statistics
- RT: Data collection
- Traffic load
- Vehicle detector

*Traffic density*

- USE: Traffic concentration

*Traffic destination*

- USE: Origin destination traffic

**Traffic direction**

- UF: Direction of traffic
- Inbound traffic
- Outbound traffic
- NT: Contraflow traffic
- Oncoming traffic
- RT: One way street
- Reversible lane
- Reversing
- Through traffic
- Traffic
- Wrong way driving

**Traffic distribution**

- RT: Origin destination traffic
- Traffic
- Travel behaviour

**Traffic diversion**

- UF: Detour
- RT: Lane closure
- Road closure

**Traffic engineering**

- BT: Civil engineering
- RT: Road design
- Road engineering
- Traffic

**Traffic flow**

- UF: Traffic volume
- NT: Delay
- RT: Bunching
- Car following
- Channelization
- High traffic road
- Level of service
- Link
- Low traffic road
- Microsimulation
- Pedestrian flow
- Queue
- Ramp metering
- Reliability
- Speed
- Stops
- Traffic
- Traffic concentration
- Traffic congestion
- Traffic generation
- Traffic load

**Traffic fluctuation**

- RT: Traffic

**Traffic generation**

- SN: Used for the generation of travel by road-based mode.
- UF: Generated traffic
- RT: Traffic
- Traffic flow
- Travel behaviour
- Trip generation

*Traffic impact study*

- USE: Impact study

**Traffic island**

- UF: Pedestrian refuge
- BT: Traffic control devices
- RT: Pedestrian facilities



**Traffic lane**

UF: Lane  
 NT: Bicycle lane  
 Climbing lane  
 HOV lane  
 Reversible lane  
 RT: Carriageway  
 Channelization  
 Lane changing  
 Lane closure  
 Lateral position  
 Multilane  
 Traffic  
 Turn

*Traffic law*

USE: Traffic regulations

*Traffic light*

USE: Traffic signal

**Traffic load**

BT: Load  
 RT: Axle load  
 Equivalent standard axle (ESA)  
 Pavement design  
 Traffic count  
 Traffic flow

**Traffic management**

BT: Management  
 NT: Advanced traffic management  
 systems (ATMS)  
 Incident detection  
 Incident management  
 Local area traffic management  
 Ramp metering  
 RT: Access management  
 Demand management  
 Intelligent transport systems (ITS)  
 Road planning  
 Special event  
 Traffic  
 Transport planning  
 Vehicle identification  
 Vehicle monitoring

*Traffic mixture*

USE: Traffic composition

**Traffic monitoring**

UF: Traffic surveillance  
 BT: Monitoring  
 RT: Traffic

**Traffic noise**

BT: Noise  
 RT: Pollution  
 Traffic

*Traffic offence*

USE: Offence

*Traffic peak*

USE: Peak hour

*Traffic police*

USE: Police

**Traffic regulations**

UF: Highway code  
 Road rules  
 Rule of the road  
 Traffic law  
 BT: Legislation  
 RT: Clearway  
 Law enforcement  
 Speed limit  
 Traffic

**Traffic restraint**

RT: Local area traffic management  
 Traffic

*Traffic safety*

USE: Road safety

**Traffic sign**

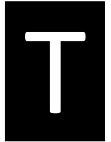
BT: Sign  
 Traffic control devices  
 NT: Give way sign  
 Marker post  
 Overhead traffic sign  
 Stop sign  
 Variable message sign  
 RT: Controlled intersection  
 Driver information  
 Intersection  
 Legibility  
 Lettering  
 Pole  
 Reflectorized material  
 Symbol  
 Traffic sign inventory  
 Warning

**Traffic sign inventory**

BT: Inventory  
 RT: Traffic sign

*Traffic sign support*

USE: Pole



**Traffic signal**

UF: Traffic light  
 BT: Traffic control devices  
 NT: Fixed time signals  
 Flashing light  
 Green light  
 Linked signals  
 Red light  
 Signal timing  
 Vehicle actuated  
 Yellow light  
 RT: Audible signal  
 Ramp metering  
 Signal  
 Signal controller  
 Signalized intersection

*Traffic signal support*

USE: Pole

**Traffic statistics**

BT: Statistics  
 NT: Traffic count  
 RT: Traffic

*Traffic surveillance*

USE: Traffic monitoring

*Traffic survey*

USE: Data collection  
 Traffic

*Traffic volume*

USE: Traffic flow

*Trafficator*

USE: Vehicle turn indicator

**Trailer**

BT: Vehicle type  
 RT: Articulated vehicle  
 Caravan  
 Towing

**Train**

UF: Locomotive  
 BT: Rail transport  
 Rolling stock  
 Vehicle type  
 NT: Bogie  
 Carriage  
 Wagon  
 RT: Heavy haul  
 Railway station  
 Railway track

*Training*

USE: Education

**Tram**

UF: Street car  
 BT: Light rail transport  
 Transport mode  
 Vehicle type  
 NT: Bogie  
 RT: Exclusive right of way  
 Public transport  
 Railway track  
 Tram stop

*Tram line*

USE: Transport line

*Tram route*

USE: Transport line

**Tram stop**

UF: Stop  
 Transit stop  
 BT: Transport facilities  
 RT: Bus stop  
 Tram

**Transducer**

BT: Measuring equipment  
 RT: Piezoelectricity

*Transit*

USE: Public transport

*Transit centre*

USE: Modal interchange

*Transit lane*

USE: Bus lane  
 HOV lane

*Transit stop*

USE: Bus stop  
 Railway station  
 Tram stop

**Transponder**

RT: Automatic toll collection  
 Electronics  
 Smart card

**Transport**

- UF: Transportation
- NT: Freight transport
  - Long distance transport
  - Passenger
  - Passenger transport
  - Rural transport
  - Urban transport
- RT: Transport authority
  - Transport corridor
  - Transport demand
  - Transport depot
  - Transport disadvantaged
  - Transport economics
  - Transport facilities
  - Transport funding
  - Transport line
  - Transport management
  - Transport mode
  - Transport network
  - Transport performance
  - Transport planning
  - Transport regulation
  - Transport safety
  - Transport statistics

**Transport authority**

- RT: Customer service
  - Public administration
  - Road authority
  - Traffic authority
  - Transport

**Transport corridor**

- RT: Transport

**Transport costs**

- BT: Cost
- NT: Fare
  - Operating costs
- RT: Cost recovery
  - Fuel costs
  - Transport economics
  - Transport funding
  - Transport pricing
  - Willingness to pay

**Transport demand**

- BT: Demand
- RT: Demand elasticity
  - Demand management
  - Transport
  - Travel demand

*Transport demand management*

- USE: Demand management

**Transport depot**

- UF: Depot
- RT: Freight transport
  - Public transport
  - Terminus
  - Transport
  - Transport facilities

**Transport disadvantaged**

- UF: Mobility handicapped
- RT: Aged person
  - Child
  - Disabled person
  - Mobility
  - Transport

**Transport economics**

- UF: Economics of transport
- BT: Economics
- RT: Congestion pricing
  - Demand elasticity
  - Logistics
  - Road pricing
  - Road user charges
  - Transport
  - Transport costs
  - Transport funding
  - Transport pricing
  - Value of time
  - Vehicle demand
  - Vehicle kilometre
  - Vehicle ownership

**Transport facilities**

- NT: Bicycle facilities
  - Bus stop
  - Modal interchange
  - Park and ride
  - Railway station
  - Terminus
  - Tram stop
- RT: Accessibility
  - Storage
  - Transport
  - Transport depot

**Transport funding**

- BT: Funding
- NT: Subsidy
- RT: Investment
  - Private funding
  - Road funding
  - Transport
  - Transport costs
  - Transport economics



### Transport line

- UF: Bus route
- Railway line
- Route closure
- Tram line
- Tram route
- RT: Line closure
- Public transport
- Transport

### Transport management

- BT: Management
- RT: Asset management
- Fleet management
- Maintenance management
- Private operator
- Road management
- Scheduling
- Transport
- Vehicle routing

### Transport mode

- BT: Integrated transport
- NT: Air transport
- Bus
- Cycling
- Intermodal transport
- Light rail transport
- Non motorized transport
- Private transport
- Public transport
- Rail transport
- River transport
- Road transport
- Sea transport
- Taxi
- Tram
- Walking
- RT: Modal choice
- Modal shift
- Modal split
- Transport
- Vehicle type

### Transport network

- RT: Rail transport
- Reliability
- Road network
- Transport

### Transport performance

- RT: Comfort
- Frequency
- Punctuality
- Transport
- Transport safety
- Travel time

### Transport planning

- BT: Planning
- NT: Bicycle planning
- Road planning
- RT: Accessibility
- Environmental impact assessment (EIA)
- Infrastructure
- Land acquisition
- Land use
- Parking
- Population
- Project evaluation
- Public participation
- Special event
- Sustainable transport
- Systems analysis
- Town planning
- Traffic management
- Transport
- Travel behaviour
- Urban development
- Urban form

### Transport pricing

- RT: Road pricing
- Transport costs
- Transport economics
- Willingness to pay

### Transport regulation

- NT: Deregulation
- RT: Performance based standard (PBS)
- Permit
- Transport

### Transport safety

- BT: Safety
- RT: Dangerous goods
- Road safety
- Security
- Transport
- Transport performance
- Vulnerable transport user

### Transport schedule

- USE: Scheduling

### Transport statistics

- BT: Statistics
- RT: Modal split
- Transport

### Transportation

- USE: Transport

# **Transverse profile**

UF: Camber  
Crossfall  
BT: Road profile  
NT: Slope  
RT: Longitudinal profile  
Profilometer  
Superelevation

# **Travel behaviour**

UF: Car travel  
Patronage  
Trip  
Vehicle usage  
BT: Behaviour  
NT: Departure time  
Journey length  
Journey purpose  
Journey to work  
Modal choice  
Modal shift  
Modal split  
Origin destination traffic  
Route choice  
Trip chaining  
RT: Demand elasticity  
Exposure  
Flexible hours  
Mobility  
Telecommuting  
Traffic distribution  
Traffic generation  
Transport planning  
Trip generation  
Vehicle ownership

# **Travel demand**

BT: Demand  
RT: Demand elasticity  
Demand management  
Transport demand  
Trip generation

# *Travel demand management*

USE: Demand management

# **Travel information**

UF: Passenger information  
NT: Advanced traveler information systems (ATIS)

# **Travel time**

UF: Journey time  
RT: Arrival time  
Delay  
Departure time  
Journey length  
Level of service  
Reliability  
Road user costs  
Time  
Transport performance

# *Travellator*

USE: People mover

# **Traveller**

NT: Cyclist  
Motorcyclist  
Passenger  
Pedestrian  
Road user  
Tourist  
Vehicle occupant  
RT: Driver

# *Tree*

USE: Vegetation

# *Trench*

USE: Excavation pit

# **Triaxial test**

BT: Test method  
RT: Stress

# **Trinidad lake asphalt**

# *Trip*

USE: Travel behaviour

# **Trip chaining**

BT: Travel behaviour  
RT: Journey purpose

# **Trip generation**

SN: Used for the generation of travel regardless of mode.  
RT: Traffic generation  
Travel behaviour  
Travel demand

# *Trip report*

USE: Report of visit

# *Trip scheduling*

USE: Scheduling

# **Trolleybus**

BT: Bus



**Tropics**

UF: Equator  
BT: Climate  
RT: Desert  
Weather

**Truck**

UF: Commercial vehicle  
BT: Heavy vehicle  
Vehicle type  
RT: Articulated vehicle

*Truck driver*

USE: Heavy vehicle driver

**Truck mounted attenuator**

UF: Attenuator  
RT: Road safety

*Trucking industry*

USE: Road transport

*Trunk road*

USE: Arterial road

**Tunnel**

UF: Underpass  
NT: Pedestrian subway  
Tunnel lighting  
RT: Drilling  
Entrance  
Ventilation  
Waterproofing

**Tunnel lighting**

BT: Lighting  
Tunnel

**Turn**

UF: Left turn  
Right turn  
U turn  
RT: Intersection  
Swept path  
Traffic lane  
Turning traffic  
Vehicle turn indicator

*Turning template*

USE: Swept path

**Turning traffic**

BT: Traffic  
RT: Merging traffic  
Through traffic  
Turn  
Vehicle turn indicator

*Turnpike*

USE: Toll road

*TV*

USE: Television

*Twilight*

USE: Dusk

**Two lane road**

UF: Undivided road  
BT: Road type  
RT: Climbing lane  
Multilane

*Two stroke engine*

USE: Engine

**Tyre**

BT: Vehicle component  
NT: Retread tyre  
Studded tyre  
Tyre pressure  
Tyre tread  
RT: Aquaplaning  
Crumb rubber  
Rubber  
Wheel

*Tyre grip*

USE: Vehicle pavement interaction

**Tyre pressure**

BT: Tyre  
RT: Vehicle pavement interaction

*Tyre road contact*

USE: Vehicle pavement interaction

*Tyre traction*

USE: Vehicle pavement interaction

**Tyre tread**

BT: Tyre

*U turn*

USE: Turn

*UAV*

USE: Drone

*ULP*

USE: Unleaded petrol

**Uncontrolled intersection**

BT: Intersection

**Underground car park**

BT: Car park  
RT: Multi storey car park  
Pay parking

**Underground railway**

BT: Rail transport  
RT: Urban transport

*Underpass*

USE: Tunnel

**Underride prevention**

RT: Crash  
Heavy vehicle

*Understanding*

USE: Comprehension

*Undivided road*

USE: Two lane road

*Unemployment*

USE: Employment

**University**

RT: Education  
Research organization  
School

**Unleaded petrol**

UF: Lead free petrol  
ULP  
BT: Petrol  
RT: Lead  
Vehicle emissions

**Unlicensed driver**

BT: Driver  
RT: Licence suspension  
Offence

**Unlicensed motorcyclist**

BT: Motorcyclist  
RT: Licence suspension  
Offence

*Unmanned aerial vehicle*

USE: Drone

*Unregistered vehicle*

USE: Vehicle registration

*Unreinforced concrete*

USE: Concrete

*Unsaturated material*

USE: Degree of saturation

**Unsealed road**

UF: Earth road  
Gravel road  
RT: Dust  
Forestry road  
Grading  
Gravel  
Low cost road  
Low traffic road  
Rural road  
Sealed road

**Unsignalized intersection**

BT: Intersection  
RT: Roundabout  
Signalized intersection

*Upgrading (road)*

USE: Road improvement

**Urban area**

BT: Built environment  
NT: Business district  
Pedestrian precinct  
Residential area  
Suburbs  
Town centre  
RT: Interurban  
Land use  
Regional planning  
Town  
Town planning

**Urban consolidation**

RT: Land use  
Population density  
Town planning  
Urban form

*Urban cycle*

USE: Driving cycle

**Urban development**

UF: Development  
RT: Outer suburbs  
Road planning  
Town planning  
Transport planning

**Urban form**

RT: Population  
Population density  
Road planning  
Town planning  
Transport planning  
Urban consolidation

*Urban fringe*

USE: Outer suburbs



*Urban planning*

USE: Town planning

**Urban road**

BT: Road type  
NT: Street  
RT: High traffic road  
Urban transport

*Urban traffic control (UTC)*

USE: Area traffic control

*Urban traffic management*

USE: Area traffic control

**Urban transport**

BT: Transport  
RT: Public transport  
Traffic congestion  
Underground railway  
Urban road

**Urine test**

RT: Drug  
Drug driving

*Used car*

USE: Second hand vehicle

*Used vehicle*

USE: Second hand vehicle

*Ute*

USE: Light commercial vehicle

*Utilities*

USE: Public utilities

*Utility vehicle*

USE: Light commercial vehicle

*UTM*

USE: Area traffic control

*UTMC*

USE: Area traffic control

**Value of life**

RT: Crash costs  
Quality of life  
Willingness to pay

**Value of time**

RT: Time  
Transport economics

*Value system*

USE: Values

**Values**

UF: Cultural values  
Social values  
Value system  
RT: Attitude  
Public opinion  
Sociology

*Van*

USE: Light commercial vehicle

*Van pooling*

USE: Car pooling

*Vandalism*

USE: Offence

**Variability**

RT: Adjustment  
Change  
Statistical analysis

**Variable message sign**

UF: Changeable message sign  
VMS  
BT: Speed control  
Traffic sign  
RT: Speed feedback sign

**Variable speed limit**

BT: Speed limit  
RT: Speed control

**Vegetable oil**

BT: Fuel

**Vegetation**

UF: Flora  
Grass  
Plantation  
Planting  
Seeding  
Tree  
RT: Biodiversity  
Landscaping  
Revegetation  
Roadside  
Slope stability  
Weedkilling

## Vehicle

UF: Motor vehicle  
 NT: Instrumented vehicle  
       Second hand vehicle  
       Vehicle component  
 RT: Fleet management  
       Leasing  
       Vehicle actuated  
       Vehicle breakdown  
       Vehicle bridge interaction  
       Vehicle classification  
       Vehicle costs  
       Vehicle demand  
       Vehicle design  
       Vehicle detector  
       Vehicle dimension  
       Vehicle emissions  
       Vehicle handling  
       Vehicle identification  
       Vehicle impounding  
       Vehicle industry  
       Vehicle inspection  
       Vehicle kilometre  
       Vehicle maintenance  
       Vehicle make  
       Vehicle marking  
       Vehicle monitoring  
       Vehicle occupancy  
       Vehicle occupant  
       Vehicle ownership  
       Vehicle pavement interaction  
       Vehicle registration  
       Vehicle regulations  
       Vehicle routing  
       Vehicle safety  
       Vehicle spacing  
       Vehicle stability  
       Vehicle statistics  
       Vehicle testing  
       Vehicle type  
       Vehicle weighing  
       Vehicle weight

## Vehicle actuated

BT: Traffic signal  
 RT: Green light  
       Red light  
       Signalized intersection  
       Traffic control  
       Vehicle  
       Vehicle detector

## Vehicle aerodynamics

USE: Aerodynamics

## Vehicle aggressivity

SN: Aggressivity is a measure of the injury impacts of a vehicle on other road users in the event of a crash.  
 UF: Aggressivity  
 RT: Crashworthiness  
       Injury severity  
       Road user  
       Vehicle compatibility  
       Vehicle occupant

## Vehicle body

BT: Vehicle component

## Vehicle breakdown

UF: Breakdown of vehicle  
       Disabled vehicle  
 RT: Vehicle

## Vehicle bridge interaction

UF: Bridge vehicle interaction  
 RT: Bridge loads  
       Load damage relationship  
       Structural interface  
       Vehicle

## Vehicle capacity

USE: Vehicle occupancy

## Vehicle classification

UF: Automatic vehicle classification  
 RT: Vehicle  
       Vehicle detector  
       Vehicle type  
       Weigh in motion

## Vehicle compatibility

SN: Vehicle compatibility is a measure of the crashworthiness and the aggressivity of a vehicle.  
 UF: Compatibility (vehicle)  
       Crash compatibility  
 RT: Crashworthiness  
       Injury severity  
       Vehicle aggressivity  
       Vehicle occupant  
       Vehicle safety



### Vehicle component

UF: Components of the car  
 BT: Vehicle  
 NT: Accelerator (vehicle)  
 Aerodynamic device  
 Axle  
 Battery  
 Brake  
 Bull bar  
 Bumper bar  
 Carburettor  
 Chassis  
 Clutch  
 Engine  
 Ignition  
 Instrument panel  
 Number plate  
 Pedal  
 Radiator  
 Rear view mirror  
 Restraint  
 Safety glass  
 Seat  
 Speedometer  
 Steering column  
 Steering wheel  
 Tyre  
 Vehicle body  
 Vehicle door  
 Vehicle electronics  
 Vehicle interior  
 Vehicle lighting  
 Vehicle materials  
 Vehicle roof  
 Vehicle suspension  
 Vehicle transmission  
 Vehicle window  
 Wheel  
 Windscreen

### Vehicle confiscation

USE: Vehicle impounding

### Vehicle control

USE: Advanced vehicle control systems (AVCS)

### Vehicle costs

BT: Cost  
 NT: Operating costs  
 Vehicle operating costs  
 RT: Fuel costs  
 Insurance  
 Road user costs  
 Vehicle  
 Vehicle maintenance

### Vehicle crash

USE: Crash

### Vehicle damage repair cost

USE: Crash costs

### Vehicle demand

UF: Automobile demand  
 RT: Transport economics  
 Vehicle

### Vehicle design

BT: Design  
 Mechanical engineering  
 RT: Accessibility  
 Australian design rules  
 Blind spot  
 Intelligent transport systems (ITS)  
 Structural design  
 Vehicle

### Vehicle detector

UF: Detector  
 NT: Loop detector  
 RT: Intelligent transport systems (ITS)  
 Sensor  
 Speed camera  
 Traffic count  
 Vehicle  
 Vehicle actuated  
 Vehicle classification  
 Vehicle identification

### Vehicle dimension

SN: For wide loads use  
 Overdimensional vehicle  
 BT: Dimension  
 NT: Overdimensional vehicle  
 Vehicle length  
 RT: Vehicle

### Vehicle door

UF: Car door  
 Door  
 BT: Vehicle component

### Vehicle dynamics

SN: Vehicle dynamics is concerned with the movements of vehicles on a road surface.  
 NT: Acceleration  
 Braking  
 Cornering  
 Overturning  
 Vehicle handling  
 Vehicle stability

**Vehicle electronics**

- BT: Electronics  
Vehicle component
- RT: Advanced vehicle control systems (AVCS)  
Electronic stability control (ESC)  
Instrument panel

**Vehicle emissions**

- UF: Exhaust fumes
- RT: Air pollution  
Carbon monoxide  
Driving cycle  
Dynamometer  
Emissions control  
Environment  
Greenhouse effect  
Hydrocarbon  
Idling  
Lead  
Nitrogen oxides  
Unleaded petrol  
Vehicle

**Vehicle handling**

- UF: Road holding
- BT: Vehicle dynamics
- NT: Braking  
Overturning  
Skidding  
Steering
- RT: Cornering  
Driving  
Electronic stability control (ESC)  
Vehicle  
Vehicle stability  
Vehicle trajectory  
Wheel locking  
Yawing

**Vehicle identification**

- NT: Automatic vehicle identification (AVI)
- RT: Number plate  
Red light camera  
Traffic management  
Vehicle  
Vehicle detector

**Vehicle impounding**

- UF: Confiscation of vehicle  
Impounding  
Vehicle confiscation  
Vehicle impoundment
- BT: Penalty
- RT: Driver behaviour  
Offence  
Vehicle  
Vehicle regulations

*Vehicle impoundment*

- USE: Vehicle impounding

**Vehicle industry**

- UF: Car industry  
Vehicle manufacture
- BT: Industry
- RT: Vehicle

**Vehicle inspection**

- BT: Inspection
- RT: Crash countermeasure  
Vehicle  
Vehicle testing

*Vehicle insurance*

- USE: Insurance

**Vehicle interior**

- BT: Vehicle component

**Vehicle kilometre**

- UF: Distance travelled  
Vehicle mile
- RT: Exposure  
Transport economics  
Vehicle

**Vehicle length**

- UF: Length
- BT: Vehicle dimension
- RT: Dimension

**Vehicle lighting**

- BT: Lighting  
Vehicle component
- NT: Brake light  
Daytime running lights  
Headlight  
Parking light  
Rear light  
Vehicle turn indicator

*Vehicle limits*

- USE: Vehicle regulations

**Vehicle maintenance**

- BT: Maintenance
- RT: Lubrication  
Operating costs  
Vehicle  
Vehicle costs

**Vehicle make**

- UF: Vehicle model
- RT: Vehicle

*Vehicle manufacture*

- USE: Vehicle industry



### Vehicle marking

RT: Dangerous goods  
Vehicle

### Vehicle mass

USE: Vehicle weight

### Vehicle materials

BT: Materials  
Vehicle component  
RT: Ceramic

### Vehicle mile

USE: Vehicle kilometre

### Vehicle mix

USE: Traffic composition

### Vehicle model

USE: Vehicle make

### Vehicle monitoring

UF: Vehicle tracking  
BT: Monitoring  
NT: Automatic vehicle monitoring (AVM)  
RT: Intelligent transport systems (ITS)  
Traffic management  
Vehicle

### Vehicle occupancy

UF: Number of occupants  
Occupancy  
Seating capacity  
Vehicle capacity  
RT: Vehicle

### Vehicle occupant

BT: Road user  
Traveller  
NT: Driver  
Passenger  
RT: Crashworthiness  
Seating position  
Vehicle  
Vehicle aggressivity  
Vehicle compatibility

### Vehicle operating costs

UF: VOC  
BT: Operating costs  
Vehicle costs

### Vehicle overturning

USE: Overturning

### Vehicle ownership

UF: Car ownership  
RT: Modal choice  
Transport economics  
Travel behaviour  
Vehicle

### Vehicle pavement interaction

UF: Pavement vehicle interaction  
Road vehicle interaction  
Tyre grip  
Tyre road contact  
Tyre traction  
RT: AASHO road test  
Aircraft  
Aquaplaning  
Axle load  
Bearing capacity  
Damage  
Friction  
Load damage relationship  
Pavement design  
Pavement performance  
Rutting  
Structural interface  
Studded tyre  
Tyre pressure  
Vehicle  
Wear

### Vehicle range

SN: Distance electric or hybrid vehicle can travel without recharging.  
RT: Electric vehicle  
Hybrid vehicle

### Vehicle recharging

RT: Battery  
Electric vehicle

### Vehicle registration

UF: Registration of vehicle  
Unregistered vehicle  
BT: Road user charges  
RT: Number plate  
Vehicle

### Vehicle relocation

RT: Demand management  
Fleet management

**Vehicle regulations**

UF: Roadworthiness  
Vehicle limits  
NT: Australian design rules  
RT: Emissions control  
Heavy vehicle  
Legislation  
Noise control  
Overdimensional vehicle  
Overloaded vehicle  
Permit  
Vehicle  
Vehicle impounding

**Vehicle roof**

BT: Vehicle component

**Vehicle routing**

BT: Route  
RT: Switch  
Transport management  
Vehicle

**Vehicle safety**

UF: Safe system (vehicles)  
BT: Safety  
NT: Anti lock braking  
Braking distance  
Crashworthiness  
Helmet  
Injury prevention  
Recall campaign  
Restraint  
RT: Crash cause  
Crash test  
Ejection  
Electronic stability control (ESC)  
Injury cause  
Jack knifing  
Road safety  
Vehicle  
Vehicle compatibility  
Vehicle stability  
Ventilation

**Vehicle spacing**

UF: Distance between vehicles  
Following distance  
Spacing  
RT: Car following  
Gap acceptance  
Headway  
Overtaking  
Rear end crash  
Traffic concentration  
Vehicle

*Vehicle speed*

USE: Speed

**Vehicle stability**

BT: Stability  
Vehicle dynamics  
NT: Electronic stability control (ESC)  
RT: Jack knifing  
Overturning  
Vehicle  
Vehicle handling  
Vehicle safety

**Vehicle statistics**

BT: Statistics  
RT: Vehicle

**Vehicle suspension**

UF: Damper  
BT: Vehicle component  
RT: Comfort

**Vehicle testing**

BT: Test  
RT: Driving cycle  
Test track  
Vehicle  
Vehicle inspection

**Vehicle to roadside communications**

UF: Connected vehicle  
BT: Communications  
RT: Intelligent transport systems (ITS)

**Vehicle to vehicle communications**

UF: Connected vehicle  
BT: Communications  
RT: Intelligent transport systems (ITS)

*Vehicle tracking*

USE: Vehicle monitoring

**Vehicle trajectory**

RT: Angle  
Lane departure  
Lateral position  
Steering  
Vehicle handling

**Vehicle transmission**

UF: Gear box  
BT: Vehicle component  
RT: Axle  
Clutch



**Vehicle turn indicator**

UF: Direction indicator  
Trafficator  
BT: Vehicle lighting  
RT: Flashing light  
Headlight  
Lane changing  
Merging traffic  
Overtaking  
Rear light  
Turn  
Turning traffic

**Vehicle type**

NT: Aircraft  
Articulated vehicle  
Autonomous vehicle  
Bicycle  
Bus  
Car  
Caravan  
Electric vehicle  
Emergency vehicle  
Ferry  
Four wheel drive  
Heavy vehicle  
Hybrid vehicle  
Light commercial vehicle  
Moped  
Motorcycle  
Off road vehicle  
Road train  
Taxi  
Tractor  
Trailer  
Train  
Tram  
Truck  
RT: Crash analysis  
Traffic composition  
Transport mode  
Vehicle  
Vehicle classification

**Vehicle usage**

USE: Travel behaviour

**Vehicle weighing**

NT: Overloaded vehicle  
RT: Vehicle  
Weigh in motion  
Weighing equipment

**Vehicle weight**

UF: Gross vehicle mass (GVM)  
Mass  
Vehicle mass  
RT: Axle load  
Heavy vehicle  
Overloaded vehicle  
Vehicle

**Vehicle window**

BT: Vehicle component  
RT: Tinted glass  
Windscreen

**Velocity**

USE: Speed

**Ventilation**

RT: Air pollution  
Tunnel  
Vehicle safety

**Viaduct**

USE: Bridge

**Vibrating roller**

USE: Roller

**Vibration**

UF: Impulsion  
Oscillation  
RT: Damping  
Load  
Piezoelectricity  
Repetitive loading

**Vibratory driving**

USE: Pile driving

**Vibrotactile**

USE: Haptics

**Video**

BT: Photography  
RT: Data collection  
Human machine interface  
Image processing  
Television

**Vigilance**

USE: Attention

**Violation**

USE: Offence

**Violator**

USE: Offender

**Viscoelasticity**

RT: Binder  
Rheology

**Viscosity**

RT: Binder  
Rheology

**Visibility**

RT: Blind spot  
Colour  
Conspicuity  
Reflectorized material  
Visibility distance

**Visibility distance**

UF: Sight distance  
RT: Curve  
Geometric design  
Overtaking  
Visibility

**Vision**

UF: Eye  
Sight  
BT: Human body  
NT: Colour blindness  
Vision impairment  
RT: Eye movement  
Medical examination  
Optics  
Visual acuity  
Visual field  
Visual performance

**Vision impairment**

BT: Vision  
RT: Disabled person

**Visual acuity**

RT: Vision

**Visual assessment**

SN: To be used only in the context of the assessment of transport infrastructure.  
RT: Bridge inspection  
Inspection  
Pavement evaluation

**Visual contrast**

UF: Contrast  
Silhouette  
RT: Colour  
Conspicuity

**Visual field**

UF: Field of vision  
Peripheral vision  
RT: Blind spot  
Vision

**Visual intrusion**

UF: Aesthetic nuisance  
RT: Aesthetics  
Perception

**Visual performance**

RT: Cognitive load  
Driver performance  
Vision

**Visual science**

RT: Optics

*Visual search*

USE: Eye movement

*VMS*

USE: Variable message sign

*VOC*

USE: Vehicle operating costs

*Voids*

USE: Porosity

*Voids ratio*

USE: Porosity

*Volcanic tuff*

USE: Pozzolan

*VRU*

USE: Vulnerable road user

*VTOL*

USE: Aircraft

**Vulnerable road user**

UF: VRU  
BT: Road user  
RT: Aged person  
Child  
Cyclist  
Disabled person  
Pedestrian  
Vulnerable transport user

**Vulnerable transport user**

RT: Aged person  
Child  
Disabled person  
Transport safety  
Vulnerable road user

**W beam**

BT: Beam

**Wagon**

BT: Freight transport  
Rolling stock  
Train  
NT: Bogie



**Waiting time**

RT: Delay  
Queue length  
Time

**Walkability**

UF: Walking distance  
RT: Pedestrian  
Pedestrian facilities  
Pedestrian flow  
Pedestrian precinct  
Walking

**Walking**

BT: Active travel  
Transport mode  
RT: Pedestrian  
Walkability

*Walking distance*

USE: Walkability

**Warm mix**

RT: Cold mix  
Hot mix

**Warning**

RT: Flashing light  
Traffic sign

*Warping*

USE: Buckling

*Washing*

USE: Cleaning

*Waste product*

USE: By product

**Water**

NT: Ground water  
River  
Run off  
Sea  
Seepage  
RT: Evaporation  
Flow  
Hydrology  
Permeability  
Rain  
Water pollution  
Wetlands

*Water cement ratio*

USE: Mix design

*Water content*

USE: Moisture content

**Water pollution**

BT: Pollution  
RT: Water

*Water reducing agent*

USE: Plasticizer

**Waterproofing**

RT: Bridge deck  
Moisture control  
Pavement maintenance  
Permeability  
Tunnel

**Wear**

UF: Abrasion  
Attrition  
RT: Deterioration  
Los Angeles test  
Studded tyre  
Surface texture  
Vehicle pavement interaction  
Wearing course

**Wearing course**

UF: Friction course  
Surface course  
BT: Pavement layer  
RT: Basecourse  
Delamination  
Roadbase  
Subbase  
Surfacing  
Wear

**Weather**

UF: Cyclone  
BT: Climate  
NT: Dryness  
Fog  
Ice  
Rain  
Snow  
Temperature  
Wind  
RT: Dry road  
Season  
Tropics  
Wet road

**Weather resistance**

BT: Material properties

**Weathering**

UF: Kaolinisation  
RT: Deterioration

*Weaving traffic*

USE: Merging traffic

*Web*

USE: Beam

**Weedkilling**

UF: Herbicide  
RT: Chemical  
Vegetation

**Weekday**

RT: Day  
Peak hour  
Time  
Weekend

**Weekend**

RT: Day  
Recreation  
Time  
Tourism  
Weekday

**Weigh in motion**

UF: WIM  
BT: Measuring equipment  
RT: Vehicle classification  
Vehicle weighing

*Weighing apparatus*

USE: Weighing equipment

**Weighing equipment**

UF: Weighing apparatus  
BT: Measuring equipment  
RT: Vehicle weighing

**Welding**

RT: Bridge construction  
Metal

*Well being*

USE: Quality of life

*Westergaard coefficient*

USE: Coefficient of subgrade reaction

*Wet lands*

USE: Wetlands

**Wet road**

BT: Road surface properties  
RT: Aquaplaning  
Dry road  
Flooding  
Rain  
Skidding  
Spray  
Weather

**Wetlands**

UF: Bog  
Wet lands  
RT: Land use  
Water

*Wetting agent*

USE: Surfactant

*Wharf*

USE: Port

**Wheel**

BT: Bogie  
Vehicle component  
RT: Axle  
Brake  
Tyre  
Wheel alignment

**Wheel alignment**

UF: Alignment (wheel)  
RT: Wheel

*Wheel load*

USE: Axle load

**Wheel locking**

UF: Locked wheel  
RT: Coefficient of friction  
Crash  
Vehicle handling

**Wheelchair**

RT: Disabled person  
Non motorized transport

**Whiplash**

BT: Injury  
RT: Neck  
Spinal column

*Wide load*

USE: Overdimensional vehicle

**Widening**

RT: Bridge construction  
Road construction

**Width**

BT: Dimension

*Wildlife*

USE: Animal



### **Willingness to pay**

RT: Crash costs  
Road pricing  
Road user costs  
Transport costs  
Transport pricing  
Value of life

### **WIM**

USE: Weigh in motion

### **Wind**

BT: Weather  
RT: Aerodynamics  
Air  
Erosion

### **Windrow**

USE: Spreading

### **Windscreen**

BT: Vehicle component  
RT: Safety glass  
Spray  
Vehicle window

### **Winter maintenance**

BT: Maintenance  
NT: Deicing salt  
Snow clearance  
RT: Road heating

### **Wire**

RT: Cable  
Cable stayed bridge  
Steel

### **Woman**

USE: Female

### **Wood**

USE: Timber

### **Work**

USE: Employment

### **Work location**

USE: Place of work

### **Work planning**

USE: Planning

### **Work stoppage**

USE: Strike

### **Work zone**

SN: Road construction or temporary maintenance.  
UF: Road works  
Roadworks  
RT: Construction  
Construction site

### **Workability**

RT: Compaction  
Mix design

### **Working hours**

USE: Hours of work

### **Workplace safety**

USE: Occupational health

### **World Wide Web**

USE: Internet

### **Writ**

USE: Litigation

### **Writing**

USE: Technical writing

### **Wrong way driving**

UF: Ghost driving  
BT: Driver behaviour  
RT: Risk taking  
Traffic direction

### **WWW**

USE: Internet

### **Y junction**

USE: Fork intersection

### **Yawing**

RT: Crash  
Jack knifing  
Lateral acceleration  
Vehicle handling

### **Yellow light**

UF: Amber light  
BT: Traffic signal  
RT: Colour  
Green light  
Red light

### **Yield**

USE: Creep

### **Yield sign**

USE: Give way sign

### **Young's modulus**

USE: Modulus

**Young driver**

UF: Adolescent driver  
BT: Driver  
Young person  
RT: Adolescent  
Age  
Driver characteristics  
Driving experience  
Learner driver  
Novice driver

*Young people*

USE: Young person

**Young person**

UF: Young people  
NT: Young driver  
RT: Adolescent  
Age

*Zebra crossing*

USE: Pedestrian crossing

*Zone*

USE: Region

*Zone toughened glass*

USE: Safety glass



SHAPING OUR  
TRANSPORT  
FUTURE

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