

Australian Transport Index

Thesaurus



Compiled by
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M G Lay Library



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Foreword

This Thesaurus is designed to assist Australian librarians and researchers to access Australian and overseas literature on transport and roads. Preferred terms have largely been chosen to reflect Australian usage. Terms from the thesaurus are used when indexing the 'Australian Transport Index' (ATRI) database.

This edition of the thesaurus is a revision of the 2004 'Thesaurus for the Australian Transport Index' published by ARRB Group Ltd (ISBN 1-876592-37-0).

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.

In this 2007 edition, terms have been added and revised to address new sector developments and we thank NIS Members and other ATRI users for their feedback, which has been of great assistance to the continued relevance of this Thesaurus. As 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

An 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**

AAR

USE: **Alkali aggregate reaction**

AASHO road test

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

Abandoned vehicle

SN Use for vehicle left on road or roadside
 causing hazard or environmental pollution
 UF: Derelict vehicle
 BT: Vehicle
 RT: Parking
 Towing
 Vehicle breakdown

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)

RT: Concrete

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

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

Accident analysis

RT: Accident
Conflict method
Data analysis
Vehicle type

Accident black spot

UF: *Black spot*
Hazardous location
RT: Accident
Location

Accident cause

UF: *Cause of accident*
RT: Accident
Driver behaviour
Human factors
Psychology
Road environment
Vehicle safety

Accident class

USE: **Accident type**

Accident compensation

UF: *Accident reparation*
Compensation
RT: Accident
Insurance

Accident costs

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

Accident countermeasure

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

Accident economics

BT: Economics
RT: Accident

Accident investigation

RT: Accident
Accident reconstruction

Accident prevention

USE: **Accident countermeasure**

Accident proneness

RT: Accident
Personality
Psychology

Accident rate

UF: *Involvement rate*
RT: Accident
Fatality rate
Injury rate

Accident reconstruction

RT: Accident
Accident investigation

Accident record

RT: Accident
Data collection
Documentation
Hospital
Police

Accident reduction

USE: **Accident countermeasure**

Accident reparation

USE: **Accident compensation**

Accident severity

RT: Accident
Fatality
Injury severity

Accident statistics

BT: Statistics
RT: Accident

Accident type

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

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

Activation

BT: Chemical reaction
NT: Catalysis
Inhibitor

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
RT: Dark adaptation

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 of binder
Surface active agent

Adhesion agent

USE: **Surface active agent**

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)
Collision avoidance system
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)
Human machine interface

Advanced vehicle control systems (AVCS)

BT: Intelligent transport systems (ITS)
NT: Automated highway systems (AHS)
RT: 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

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 cushion vehicle

UF: *Hovercraft*
Uniflo
BT: Vehicle type

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)

Alternator

USE: **Generator**

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

Angle collision

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

Angle of friction

USE: **Coefficient of friction**

Angle of internal friction

USE: **Coefficient of internal friction**

Angularity

BT: Material properties
RT: Aggregate
Angle
Shape

Animal

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

Animal crossing

UF: *Toad tunnel*
RT: Animal

Anisotropic

USE: **Isotropic**

Ankle

BT: Human body
RT: Foot
Leg

ANN

USE: **Neural network**

Annual report

RT: Activity report

Anode

RT: Cathodic protection

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 of binder**

Apnea

USE: **Sleep apnoea**

Apnoea

USE: **Sleep apnoea**

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

Area wide traffic management

USE: **Local area traffic management**

Aridity

USE: **Dryness**

Arm

BT: Human body
 RT: Elbow
 Hand

Army

USE: **Military**

Arrester bed

BT: Safety ramp
 RT: Braking
 Climbing lane
 Gravel

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
 Road train
 RT: Caravan
 Trailer
 Truck

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
Mixer
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: Infrastructure
Maintenance management
Road management
Transport management

Association

RT: Business

Asymmetry
USE: **Symmetry**

Atlas

RT: Map

Atmosphere
USE: **Air**

Atmospheric pollution
USE: **Air pollution**

ATT
USE: **Intelligent transport systems (ITS)**

Attack
USE: **Corrosion**

Attention

UF: *Alertness*
Distraction
Driver alertness
Driver concentration
Driver distraction
Inattention
Vigilance

NT: Perception

RT: Driver performance
Road user performance

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: Advanced vehicle control systems (AVCS)
Intelligent transport systems (ITS)

RT: Adaptive cruise control (ACC)

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: **Vehicle classification** and **Automation**

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)
Vehicle location
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: *Computerization*
Mechanisation
Mechanization
RT: Robot
Technology

Automobile

USE: **Car**

Automobile demand

USE: **Vehicle demand**

Automotive guidance

USE: **Route guidance**

Average speed

BT: Speed

AVI

USE: **Automatic vehicle identification (AVI)**

AVL

USE: **Automatic vehicle location (AVL)**

AVM

USE: **Automatic vehicle monitoring (AVM)**

Axle

BT: 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

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**

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

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: Non motorized transport
Private transport
Vehicle type
RT: Bicycle facilities
Bicycle lane
Bicycle network
Bicycle path
Bicycle planning
Cycling
Cyclist

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

Bicycle planning

BT: Transport planning
RT: Bicycle
Bicycle lane

Bicycling

USE: **Cycling**

Bicyclist

USE: **Cyclist**

Bid

USE: **Tender**

Binder

BT: Pavement materials
NT: Polymer modified binder
Stripping of 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
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
Flux oil
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: **Accident 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

RT: Peat
Soil

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

Bowstring bridge

BT: Bridge
RT: Curved bridge

Box girder

UF: *Hollow girder*
BT: Bridge superstructure
RT: Beam

Bracing

USE: **Timbering**

Brain

BT: Human body
RT: Head

Brake

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

Brake light

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

Brake lining

BT: Brake

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

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*
 - Phystester*
- BT: Measuring equipment
- RT: Breath test

Brick

- RT: Block pavement
 - Masonry

Bridge

- UF: *Overpass*
 - Viaduct*
- NT: Anchorage
 - Arch bridge
 - Bascule bridge
 - Bowstring 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
 - Stiffener
 - 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
 - Falsework
 - Interchange
 - Joint

Bridge construction

- BT: Construction
- NT: Cantilever
- RT: Bridge
 - 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
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

Bridge management

BT: Management
RT: 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**

Bulk density

USE: **Density**

Bull bar

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

Bullbar

USE: **Bull bar**

Bulldozer

BT: Construction equipment

Bumper bar

BT: Vehicle component
 RT: Bull bar
 Chassis

Bumper to bumper collision

USE: **Rear end collision**

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

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**

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 accident

USE: **Traffic accident**

Car club

USE: **Car sharing**

Car crash

USE: **Traffic accident**

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*
 RT: Carbon
 Carbon dioxide
 Greenhouse effect

Carbon emissions

USE: **Carbon dioxide equivalent**

Carbon footprint

USE: **Carbon dioxide equivalent** and **Social responsibility**

Carbon monoxide

RT: Carbon
 Toxicity
 Vehicle emissions

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**

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

BT: Activation

Catchment area

USE: **Hydrology**

Cathodic protection

RT: Anode
 Corrosion

Cause of accident

USE: **Accident 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
Multimedia

Cell phone

USE: **Mobile phone**

Cement

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

Cement and Roadbase stabilization

UF: *Cement treated base*

Cement paste

RT: Cement

Cement treated base

USE: **Cement and 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: **Falsework**

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: Material properties
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
 Activation
 Adsorption
 Ageing
 Alkali aggregate reaction
 Alkali silica reaction
 Evaporation
 Hydration
 Oxidation
 RT: Equilibrium

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
 Oedometer
 Shale

Cleaning

UF: *Washing*
 BT: Maintenance

Clearance of land

USE: **Land clearance**

Clearance of snow

USE: **Snow clearance**

Clearway

RT: No parking
 No stopping
 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 internal 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 internal friction

UF: *Angle of internal friction*
Coefficient
Internal friction angle
 BT: Soil mechanics
 RT: Slope stability

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

Cognition

USE: **Perception**

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

Cold starting

RT: Engine performance
 Ignition

Collision

USE: **Accident**
Traffic accident

Collision avoidance system

BT: Intelligent transport systems (ITS)
 RT: Advanced driver information systems (ADIS)

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: Riding quality
Seat
Transport performance
Vehicle suspension

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: Multimedia
Radio
Satellite
Telecommunications
Telephone
RT: Driver information
Electronics
Intelligent transport systems (ITS)
Television

Community consultation

USE: **Public opinion**
Public participation

Community transport

BT: Public transport
RT: Accessibility
Dial a ride
Door to door transport
Paratransit

Commuter

USE: **Journey to work**

Commuting traffic

USE: **Journey to work**

Compaction

BT: Material properties
Road construction
RT: Compression
Oedometer
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**

Compensation

USE: **Accident compensation**

Competition

RT: Contract
Tender

Compliance

RT: Accreditation
Construction management
Contract
Deterrence
Quality control
Specifications

Compliance and Vehicle regulations

UF: *Roadworthiness*

Components of the car

USE: **Vehicle component**

Composite

SN Index also the specific materials

RT: 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

RT: Oedometer

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*

Digital computer

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: *Computer software*

Software

NT: Computer aided design

Computer graphics

Decision support

Geographic information system (GIS)

Knowledge based system

RT: 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 science

SN Use for theoretical items on computer technology

RT: Information technology

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
 Fresh concrete
 Lean concrete
 Lightweight concrete
 Precast concrete
 Prestressed concrete
 Ready mixed concrete
 Reinforced concrete
 Shotcrete
 RT: Accelerator (concrete)
 Admixture
 Bleeding (concrete)
 Block pavement
 Carbonation
 Chloride
 Concrete bridge
 Concrete pavement
 Creep
 Curing
 Expansion
 Grout
 Masonry
 Mix design
 Mixer
 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: Accident analysis
 Intersection

Congested traffic

USE: **Traffic congestion**

Congestion pricing

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

Connection piece

USE: **Coupling**

Connector

BT: Bridge
 Structural engineering

Consolidation

BT: Soil mechanics
 RT: Bentonite
 Expansion
 Settlement

Consolidation press

USE: **Oedometer**

Consolidometer

USE: **Oedometer**

Conspicuity

RT: Legibility
 Visibility
 Visual contrast

Construction

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

Construction costs

BT: Cost
 RT: Construction

Construction equipment

UF: *Construction machinery*
Plant
 BT: Equipment
 NT: Bulldozer
 Grader
 Mixer
 Paver
 Roller
 Scraper
 Screed
 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

UF: *Road works*
Work zone
 RT: Construction
 Demolition

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: Accident costs
 Construction costs
 Fuel costs
 Life cycle costs
 Maintenance costs
 Operating costs
 Road costs
 Social costs
 Transport costs
 Vehicle costs
 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: **Accident 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: *Crazing*
Fissuring
 BT: Deterioration
 RT: Pavement performance
 Slurry seal

Crash

USE: **Accident**

Crash barrier

USE: **Safety fence**

Crash compatibility

USE: **Vehicle compatibility**

Crash helmet

USE: **Helmet**

Crash test

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

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
 Symmetry

Crossfall

USE: **Transverse profile**

Crossing the road

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

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

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
Bowstring bridge
Cable stayed bridge
Lifting bridge
Metal bridge
Portal frame bridge
Skew bridge
Steel bridge
Suspension bridge
Swing bridge
Temporary bridge
Timber bridge

Curviometre

- 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 spacer

Cycle track

- USE: **Bicycle path**

Cycleway

- USE: **Bicycle path**

Cyclic loading

- USE: **Repetitive loading**

Cycling

- UF: *Bicycling*
- BT: Transport mode
- RT: Bicycle
Cyclist

Cyclist

- UF: *Bicyclist*
- BT: Road user
Traveller
- RT: Bicycle
Cycling
Cyclist crossing
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: **Accident costs**

Damper

- USE: **Vehicle suspension**

Damping

- RT: Vibration

Dampness

- USE: **Moisture content**

Danger

- USE: **Risk**

Dangerous driving

- USE: **Risk taking**

Dangerous goods

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

Dark adaptation

- RT: Adaptation
Glare
Night
Vision

Darkness

- USE: **Night**

Dashboard

USE: **Instrument panel**

Data acquisition

USE: **Data collection**

Data analysis

RT: Accident analysis
Data collection
Spatial analysis
Statistical analysis

Data bank

USE: **Database**

Data collection

UF: *Data acquisition*
Home interview
Survey
NT: Before and after study
Focus group
Interview
Online survey
Telephone survey
RT: Accident record
Data analysis
Database
Documentation
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
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
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**

Decomposition

RT: Thermal analysis

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: *Curvi metre*
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
Straight road

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

Demand responsive transport

USE: **Dial a ride**

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: Journey purpose
Travel time

Depot

USE: **Transport depot**

Depth

UF: *Deep*
RT: Height

Deregulation

BT: Transport regulation
RT: Privatization

Derelict vehicle

USE: **Abandoned vehicle**

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 of binder
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

UF: *Demand responsive transport*
 BT: Public transport
 RT: Community transport
 Door to door transport
 Minibus
 Paratransit
 Taxi

Diamond interchange

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

Dictionary

RT: Encyclopedia
 Thesaurus

Diesel engine

BT: Engine

Diesel fuel

BT: Fuel
 RT: Alternative fuel

Differential thermal analysis

USE: **Thermal analysis**

Diffraction

USE: **Chemical analysis**

Digital computer

USE: **Computer hardware**

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
 Transport disadvantaged
 Vision impairment
 Vulnerable road user
 Vulnerable transport user
 Wheelchair

Disabled vehicle

USE: **Vehicle breakdown**

Disaster management

BT: Management
 RT: Emergency

Disc brake

BT: Brake

Discharge

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

Dispersion (statistics)

USE: **Statistical analysis**

Displacement

USE: **Movement**

Disqualified driver

USE: **Licence suspension**

Dissymmetry

USE: **Symmetry**

Distance between vehicles

USE: **Vehicle spacing**

Distance travelled

USE: **Vehicle kilometre**

Distillation

USE: **Chemical analysis**

Distraction

USE: **Attention**

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: Accident record
Contract
Data collection

Door

- USE: **Vehicle door**

Door lock

Door to door transport

- RT: Community transport
Dial a ride

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

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
- NT: Aged driver
Bus driver
Designated driver
Driver characteristics
Heavy vehicle driver
Learner driver
Recently qualified 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*
- BT: Behaviour
Road user behaviour
- NT: Drink driving
Drug driving
Lane changing
Overtaking
Slow driving
Speeding
Wrong way driving
- RT: Accident cause
Car following
Decision process
Driver
Driver performance
Driving
Gap acceptance
Helmet usage
Human factors
Incentive
Lateral position
Motorcyclist
Restraint usage
Risk taking
Vehicle impounding

Driver behaviour and Aggressiveness

- UF: Road rage

Driver characteristics

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

Driver concentration

- USE: **Attention**

Driver distraction

- USE: **Attention**

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
Comprehension
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

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
- Point demerit system
- Recently qualified driver

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
- Recently qualified 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

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**

Drum brake

BT: *Brake*

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 fuel

USE: **Dual fuel vehicle**

Dual fuel vehicle

UF: *Dual fuel*
Hybrid vehicle
RT: *Engine design*
Fuel

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*

Dust

BT: *By product*
Filler
RT: *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**

Dynamo

USE: **Generator**

Dynamometer

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

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
 Grader
 Pile driving

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: Accident economics
 Accounting
 Cost
 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: Accident
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

Elbow

- BT: Human body
- RT: Arm

Elderly driver
USE: **Aged driver**

Elderly people
USE: **Aged person**

Elderly person
USE: **Aged person**

Electric vehicle

- UF: *EV*
Fuel cell vehicle
Solar vehicle
- BT: Vehicle type
- RT: Battery

Electricity

- BT: Public utilities
- NT: Generator
- RT: Energy
Lighting

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
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

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

Encyclopedia

- RT: Dictionary
Thesaurus

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

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
Dual fuel vehicle
Engine
Engine capacity
Engine performance
Fuel injection
Turbocharger

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
Climate
Environmental effects
Environmental impact assessment (EIA)
Landscaping
Noise
Ozone
Pollution
Sustainability
Sustainable development
Sustainable transport
Vehicle emissions

Environment (road)

USE: **Road environment**

Environmental effects

RT: Environment
Environmental impact assessment (EIA)
Noise
Pollution

Environmental impact assessment (EIA)

RT: Environment
Environmental effects
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: **Safety ramp**

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**

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
Timbering

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

Exhaust fumes

USE: **Vehicle emissions**

Exit

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

Expansion

RT: Concrete
Consolidation
Expansive cement
Expansive clay
Joint
Shrinkage

Expansive cement

BT: Cement
RT: Expansion

Expansive clay

UF: *Keramsite*
Leca
BT: Clay
RT: Aggregate
Expansion
Lightweight concrete

Expenditure

RT: Budget
Cost
Revenue
Subsidy

Experiment

USE: **Test**

Experimental road

USE: **Pavement testing**

Expert system

USE: **Knowledge based system**

Exposure

RT: Accident
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
Failure mechanics
Pavement performance
Strength

Failure mechanics

RT: Failure

Failure to stop after accident

USE: **Hit and run accident**

Falling weight deflectometer

USE: **Deflectometer**

Falsework

UF: *Centring*
Scaffolding
RT: Bridge
Launching

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: Accident
Accident severity
Fatality rate
Injury

Fatality rate

UF: *Death rate*
 RT: Accident 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

UF: *Gender*

Fence

USE: **Safety fence**

Ferry

BT: Vehicle type
 RT: River transport
 Sea transport

Fibre

RT: Fibreglass
 Glass

Fibre optics

RT: Telecommunications

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: *Flour*
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

RT: Aggregate
 Soil

Finisher

USE: **Paver**

Finishing

USE: **Surface finishing**

Finite difference method

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: 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

Flexibility

USE: **Stiffness**

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**

Flour

USE: **Filler**

Flow

UF: *Soil flow*

BT: Rheology

Soil mechanics

RT: Drainage

Hydraulics

Water

Flow rate

USE: **Discharge**

Fluorescence

UF: *Luminescence*

BT: Optics

Flux oil

RT: Bitumen

Fluxed bitumen

USE: **Cut back bitumen**

Fly ash

UF: *Ash*

Pulverised fly ash

Pulverised fuel 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: Foglight

Smog

Foglamp

USE: **Foglight**

Foglight

UF: *Foglamp*
 BT: Vehicle component
 RT: Fog
 Headlight

Following distance

USE: **Vehicle spacing**

Foot

BT: Human body
 RT: Ankle
 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

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)
 RT: Dangerous goods
 Freight
 Freight container
 Haulage
 Heavy vehicle
 Integrated transport
 Intermodal transport
 Logistics
 Long distance transport
 Transport depot

Frequency

RT: Transport performance

Fresh concrete

UF: *Green concrete*
Young concrete
 BT: Concrete

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 collision

USE: **Head on collision**

Frontage road

USE: **Service road**

Frost

RT: Cold
 Freezing thawing cycle
 Ice

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
 Dual fuel vehicle
 Engine
 Fuel consumption
 Fuel economics
 Fuel injection
 Fuel tax
 Hydrogen
 Oil
 Tanker

Fuel cell vehicle

USE: **Electric vehicle**

Fuel consumption

UF: *Fuel economy*
 RT: Driving cycle
 Dynamometer
 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

Gabion

- RT: Retaining wall

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

- USE: **Female** and/or **Male**

Generated traffic

- USE: **Traffic generation**

Generator

- UF: *Alternator*
Dynamo
- BT: Electricity

Geofabric

- USE: **Geotextile**

Geographic information system (GIS)

- UF: *GIS*
- BT: Computer program
- RT: Map

Geogrid

- RT: Geotextile
Grid

Geology

- NT: Mineral
Pedology
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: Dark adaptation

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

BT: Construction equipment

RT: Earthworks

Grading

Gradient

BT: Geometric design

Longitudinal profile

RT: Climbing lane

Slope

Grading

UF: *Grading of roads*

BT: Earthworks

Maintenance method

RT: Grader

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

Recently qualified 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 concrete

USE: **Fresh concrete**

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**

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**

Gunite

USE: **Shotcrete**

Gutter

BT: Drainage

H beam

BT: Beam

Hail damage

USE: **Damage**

Hairpin bend

USE: **Curve**

Half cloverleaf

USE: **Diamond interchange**

Hand

BT: Human body
RT: Arm

Handicapped person

USE: **Disabled person**

Harbour

USE: **Port**

Hard shoulder

USE: **Shoulder**

Hardcore

USE: **Coarse aggregate**

Hardening

BT: Setting

RT: Deterioration

Hardness

BT: Material properties

Hardware

USE: **Computer hardware**

Haulage

RT: Freight transport
Mining road

Hazard

USE: **Risk**

Hazardous goods

RT: Transport safety

Hazardous location

USE: **Accident 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 collision

UF: *Front end collision*

BT: Accident type

RT: Offset collision

Head rest

UF: *Headrest*

BT: Seat

Headlight

BT: Vehicle lighting

NT: Dipped headlight

Headlight setting

RT: Daytime running lights

Foglight

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: 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 vehicle

UF: *Commercial vehicle*
 BT: Vehicle type
 NT: Articulated vehicle
 B double
 Bus
 Logging vehicle
 Overdimensional vehicle
 Road train
 Tanker
 Truck
 RT: Freight transport
 Heavy vehicle driver
 Heavy vehicle simulator (HVS)
 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 accident

UF: *Failure to stop after accident*
 BT: Accident type

Holiday period

RT: Tourism

Hollow girder

USE: **Box girder**

Home interview

USE: **Data collection**

Home location

USE: **Place of residence**

Hospital

RT: Accident record
Health
Illness
Medical treatment

Hot mix

RT: Asphalt
Cold mix

Hotel

USE: **Licensed premises**

Hour

BT: Time

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

Hovercraft

USE: **Air cushion vehicle**

Human body

UF: *Heart*
Human joint
Human organ
NT: Abdomen
Ankle
Arm
Bone
Brain
Cadaver
Elbow
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: Accident cause
Car following
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)
 Computer hardware
 Computer program
 Driving simulator
 Human factors
 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

USE: **Dual fuel vehicle**

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

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 service behaviour

SN Use for both material and vehicular in-field performance.

In situ test

USE: **Field test**

Inattention

USE: **Attention**

Inbound traffic

USE: **Traffic direction**

Incentive

RT: Contract
Deterrence
Driver behaviour
Motivation

Incident detection

BT: Detection
Traffic management
NT: Automatic incident detection
RT: Accident
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
Indigenous Australians
Torres Strait Islanders
RT: Ethnicity

Indigenous Australians

USE: **Indigenous Australian**

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: **Recently qualified 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
Information service
Knowledge

Information retrieval

RT: Database
Information management
Thesaurus

Information science

RT: Information management

Information service

RT: Information management
Library service

Information technology

RT: Computer science

Infrastructure

RT: Asset management
Public utilities
Road planning
Transport planning

Inhibitor

BT: Activation
RT: Corrosion

Injunction

USE: **Litigation**

Injury

UF: *Casualty*
Head injury
BT: Medical aspects
NT: Whiplash
RT: Accident
Ejection
Fatality
Human body
Injury cause
Injury prevention
Injury rate
Injury severity
Medical treatment

Injury cause

RT: Accident
Human body
Injury
Vehicle safety

Injury prevention

UF: *Countermeasure*
Driver protection
BT: Prevention
Vehicle safety
RT: Accident countermeasure
Helmet
Injury
Restraint

Injury rate

RT: Accident rate
Fatality rate
Injury

Injury severity

RT: Accident severity
Crashworthiness
Injury
Vehicle aggressivity
Vehicle compatibility

Inland waterway

USE: **River**

Innovation

RT: Intellectual property
Patent
Prototype
Research and development
Technology

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: Accident compensation
Accident costs
Cost
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)
Collision avoidance system
Commercial vehicle operations (CVO)
Intelligent speed adaptation (ISA)
RT: Communications
Navigation
Privacy
Route guidance
Smart card
System architecture
Traffic management
Vehicle design
Vehicle detector
Vehicle location
Vehicle monitoring

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

Internal friction angle

USE: **Coefficient of internal friction**

International comparison

International roughness index (IRI)

UF: *IRI*
BT: Roughness

International standard

RT: Standardization

International tourist

BT: Tourist
RT: Tourism

Internet

UF: *World Wide Web*
WWW
RT: Computer network
Multimedia

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
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: **Accident 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: Accident
Anti lock braking
Coefficient of friction
Vehicle safety
Vehicle stability
Yawing

Jitney

USE: **Shared taxi**

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
 Journey purpose
 Peak hour
 Place of work
 Staggered working hours
 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

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 collision

USE: **Sideways collision**

Lateral position

RT: Driver behaviour
Traffic lane

Laterite

BT: Soil

Latex

USE: **Rubber**

LATM

USE: **Local area traffic management**

Launching

BT: Construction method
RT: Falsework

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
Recently qualified 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: Ankle
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

Letter to the editor

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
RT: Information 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**

Life cycle costs
BT: Cost
RT: 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 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: *Rail transport*

Railway track

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

Lightweight concrete

BT: *Concrete*

RT: *Expansive clay*

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: *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: *Accident black spot*

Locked wheel

USE: **Wheel locking**

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**

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

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
 NT: Mixer
 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
 Patching
 RT: Bridge maintenance
 Maintenance
 Pavement maintenance
 Pavement strengthening

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: Atlas
 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

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
Shape
Stability
Stiffness
Strength
Thickness
Weather resistance
RT: Bridge materials
Characteristics
Material testing
Materials
Pavement materials

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
Symmetry
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
Nuclear gauge
Oedometer
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: 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: 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

UF: *Technique*

NT: Conflict method

Construction method

Maintenance method

Research method

Test method

RT: Methodology

Methodology

RT: Method

Methyl alcohol

USE: **Methanol**

Methylene blue test

BT: Test method

Microorganism

USE: **Bacteria**

Microsilica

USE: **Silica fume**

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: Dial a ride

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

BT: Construction equipment
Maintenance equipment
RT: Asphalt
Concrete

Mixing plant

RT: Asphalt
Concrete
Manufacture

Mixture

NT: Bitumen tar mixture
RT: Admixture
Mix design

Mobile barrier

UF: *Barrier*
RT: Median
Safety fence

Mobile phone

UF: *Carphone*
Cell phone
Mobile radio telephone
BT: Telephone

Mobile radio telephone

USE: **Mobile phone**

Mobility

UF: *Personal mobility*
RT: Accessibility
Aged person
Disabled person
Transport disadvantaged
Travel behaviour

Mobility handicapped

USE: **Transport disadvantaged**

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
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

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
 NT: Patching mortar

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 accident

USE: **Traffic accident**

Motor vehicle aerodynamics

USE: **Aerodynamics**

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

Mudguard

BT: Vehicle component

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

Multimedia

BT: Communications

RT: CD-ROM

Internet

Radio

Television

Video

Multimodal transport

USE: **Intermodal transport**

Multitrailer

USE: **Articulated vehicle**

Municipal council

USE: **Local government**

Muskeg

USE: **Peat**

NAASRA roughness

BT: Roughness

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: Accident 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: **Recently qualified driver**

New town

BT: Town

RT: Town planning

New Zealand standard

RT: Standardization

Night

UF: *Darkness*

RT: Dark adaptation

Day

Time

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 motorized transport

BT: Transport mode
 NT: Bicycle
 RT: Animal
 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

USE: **Recently qualified 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**

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

BT: Health
 RT: Hours of work
 Personnel
 Safety

Octane number

BT: Fuel
 RT: Combustion

OD

USE: **Origin destination traffic**
Overdimensional vehicle

Oedometer

SN Laboratory apparatus for obtaining the data necessary for plotting the curve of pressure to voids ratio of a clay sample
 UF: *Consolidation press*
Consolidometer
 BT: Measuring equipment
 RT: Clay
 Compaction
 Compressibility
 Settlement
 Soil mechanics

Off peak hour

RT: Peak hour
 Staggered working hours

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 collision

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

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**

Overdimensional vehicle

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

Overhead

USE: **Cost**

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*
Vehicle overturning
 BT: Vehicle dynamics
 Vehicle handling
 RT: Accident
 Electronic stability control (ESC)
 Vehicle stability

Oxidation

BT: Chemical reaction

Ozone

RT: Air
 Environment

P-plate

USE: **Graduated licence**
Recently qualified driver

Paint

UF: *Lacquer*
 RT: Coating
 Lead
 Pavement marking

Panel van

USE: **Light commercial vehicle**

Parapet

BT: Bridge deck
 RT: Safety fence

Paratransit

BT: Public transport
 NT: Car pooling
 RT: Community transport
 Dial a ride
 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: Abandoned vehicle
 Car park
 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*
PPP
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
RT: Integrated transport
Intermodal transport
Long distance transport
Passenger
People mover

Passive safety system

USE: **Restraint**

Patching

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

Patching mortar

BT: Mortar

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
RT: 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
 - 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
- Traffic congestion
- Weekday

Peat

- UF: *Muskeg*
- RT: Bog
- Soil

Pedal

- BT: Vehicle component

Pedal cycle

- USE: **Bicycle**

Pedestrian

- 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
- 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 and Sensor**

Pedestrian facilities

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

Pedestrian flow

- RT: Pedestrian
- Traffic flow

Pedestrian precinct

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

Pedestrian refuge

USE: **Traffic island**

Pedestrian subway

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

Pedology

BT: Geology

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**

Pelletized slag

USE: **Slag**

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

UF: *Passenger conveyor*
Travellator
 RT: Passenger transport

Perception

UF: *Cognition*
 BT: Attention
 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 indicators

UF: *Performance measures*
 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 rapid transit

USE: **Public transport**

Personality

UF: *Driver personality*

BT: Driver characteristics

Human factors

Road user characteristics

RT: Accident proneness

Characteristics

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**

Phone

USE: **Telephone**

Photogrammetry

UF: *Aerial surveying*

Stereoscope

BT: Surveying

Terrain

RT: Aerial photography

Photography

BT: Optics

NT: Red light camera

Speed camera

Video

RT: Aerial photography

Photometry

BT: Optics

RT: Chemical analysis

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

Phystester

USE: **Breathalyzer**

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**

PMA

- USE: **Polymer modified asphalt**

PMB

- USE: **Polymer modified binder**

PMS

USE: **Pavement management system**

Pneumatic tyred roller

USE: **Roller**

Point demerit 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: Accident 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: 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: **Partnership**

Precast concrete

BT: Concrete

Precision

USE: **Accuracy**

Prediction

USE: **Forecast**

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: Accident countermeasure
Injury prevention

Preventive 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 sector

Private transport

BT: Transport mode
 NT: Bicycle
 Car
 Moped
 Motorcycle
 Taxi

Privatization

RT: Deregulation

Probability

UF: *Chance*
 RT: Mathematics
 Modelling
 Statistical analysis

Probit model

RT: Logit model
 Modelling

Productivity

USE: **Efficiency**

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

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**
Recently qualified driver

Psychology

NT: Adaptation
 Decision process
 Driving aptitude
 Human factors
 Human stress
 Motivation
 RT: Accident cause
 Accident 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 relations

RT: Advertising
 Education
 Policy
 Publicity

Public sector

- RT: Local government
- National government
- Partnership
- Private sector
- Public administration
- State government

Public speaking

- BT: Communication

Public transport

- UF: *Mass transit*
- Personal rapid transit*
- Transit*
- BT: Transport mode
- NT: Advanced public transportation systems (APTS)
- Community transport
- Dial a ride
- Paratransit
- RT: Bus
- 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

Public-private partnership

- USE: **Partnership**

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

Pulverised fly ash

- USE: **Fly ash**

Pulverised fuel ash

- USE: **Fly ash**

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**

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

- 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

Radiator

BT: Vehicle component

Radio

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

Rail transport

BT: Transport mode
 NT: Train
 Underground railway
 RT: Light rail transport
 Transport network

Railway crossing

USE: **Level crossing**

Railway line

USE: **Transport line**

Railway station

UF: *Transit stop*
 BT: Transport facilities
 RT: Park and ride
 Train

Railway track

UF: *Duorail*
 RT: Level crossing
 Light rail transport
 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**

Rate of flow

USE: **Discharge**

Rate of travel

USE: **Speed**

RBT

USE: **Breath test**

Reaction time

UF: *Driver reaction*
Tail end collision
 RT: Car following
 Decision process

Ready mixed concrete

BT: Concrete

Rear end collision

UF: *Bumper to bumper collision*
Tail end collision
 BT: Accident 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

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

Recycling

BT: Pavement maintenance
 RT: Crumb rubber

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

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
 Gabion
 Reinforced earth
 Slope stability
 Soil nailing

Retardation

USE: **Braking**

Retarder

BT: Admixture
 RT: Concrete

Retread tyre

UF: *Regrooved tyre*
 BT: Tyre

Retroreflecting road stud

USE: **Reflecting road stud**

Retroreflectivity

RT: Reflectivity

Revealed preference

UF: *RP*
 RT: Decision process
 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: Accident
Risk analysis
Risk assessment

Risk analysis

- NT: Risk assessment
Risk management
- RT: Risk

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
Risk analysis
- RT: Cost benefit analysis
Insurance
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: **Traffic accident**

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
Stage construction
- 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
Straight road
- 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: Accident 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

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

Road network performance

- USE: **Road network** and **Performance indicators**

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: **Driver behaviour and Aggressiveness**

Road rater

- USE: **Deflectometer**

Road rules

- USE: **Traffic regulations**

Road safety

- UF: *Traffic safety*
- BT: Safety
 - Accident
 - Transport safety
 - Truck mounted attenuator
 - Vehicle safety

Road shoulder

- USE: **Shoulder**

Road statistics

- BT: Statistics

Road structure

- USE: **Pavement**

Road stud

- UF: *Silent cop*
- BT: Delineation
 - 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)**

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: Accident costs
- Operating costs
- Road user
- Travel time
- Vehicle costs
- Willingness to pay

Road user education

- BT: Education
- NT: Driver education
- RT: Accident countermeasure
- Advertising
- Publicity
- Road user

Road user movement

- USE: **Accident type**

Road user performance

- UF: *Skill*
- BT: Performance
- NT: Driver performance
- RT: Attention
- Comprehension
- 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: **Construction site**

Roadbase

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

Roadbase stabilization

- UF: *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: Crash test
- Frangible joint
- Pole
- Roadside
- Safety fence

Roadside management

BT: Management
Roadside

Roadway

USE: **Carriageway**

Roadworthiness

USE: **Compliance and 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 resistance

BT: Movement

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: **Accident 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 accident

BT: Accident type

Runway

UF: *Taxiway*
 RT: Airport
 Heavy duty pavement

Rupture

USE: **Failure**

Rural area

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

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 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: **Accident countermeasure**

Safety ramp

UF: *Escape ramp*
 NT: Arrester bed

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

USE: **Falsework**

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: **Motorcycle**

Scour

USE: **Erosion**

Scraper

BT: Construction equipment

Screed

BT: 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 capacity**

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 collision

UF: *Secondary impact*
 BT: Accident type

Secondary impact

USE: **Secondary collision**

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

Semi rigid pavement

USE: **Soil cement pavement**

Semitrailer

USE: **Articulated vehicle**

Sensor

UF: *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
 Oedometer
 Slope stability

Shale

UF: *Schist*
 BT: Soil
 RT: Clay

Shape

BT: Material properties
 RT: Angle
 Angularity
 Dimension

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 collision

UF: *Lateral collision*
 BT: Accident 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: Fixed time signals
 Linked signals
 Signal timing
 Traffic signal
 Unsignalized intersection
 Vehicle actuated

Silencer

BT: Vehicle component

Silent cop

USE: **Road stud**

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 accident

BT: Accident 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: Accident
 Braking
 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
Pelletized 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**

Slenderness

BT: Strength

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: Coefficient of internal friction
 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 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: Bog
 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 internal friction
Coefficient of subgrade reaction
Consolidation
Earth pressure
Flow
Pore water pressure
Settlement
Suction
- RT: Foundation
Liquid limit
Oedometer
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 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
Statistical 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
 RT: Adaptive cruise control (ACC)
 Intelligent speed adaptation (ISA)
 Local area traffic management
 Speed

Speed hump

USE: **Road hump**

Speed limit

BT: Speed
 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

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**

Stage construction

BT: Road construction

Staggered working hours

RT: Journey to work
 Off peak hour
 Travel behaviour

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
 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: 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: Accident 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

Steering column

BT: Vehicle component

Steering wheel

BT: Vehicle component

Stereoscope

USE: **Photogrammetry**

Stiffener

BT: Bridge
Structural engineering

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**

Straight road

BT: Road design

RT: Degree of curvature

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
Slenderness
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 of binder

UF: *Antistripping*

BT: Binder
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
Stiffener

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 styrene (SBS)

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

Styrene-butadiene copolymer

USE: **Styrene butadiene styrene (SBS)**

Styrene-butadiene rubber

USE: **Styrene butadiene styrene (SBS)**

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**

Supply

UF: *Delivery*
 RT: Demand

Support

USE: **Pole**

Surface active agent

UF: *Adhesion agent*
Surfactant
Wetting agent
 RT: Adhesion

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: 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
USE: **Surface active agent**

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

Symbol
UF: *Ideogram*
Pictogram
RT: Comprehension
Lettering
Sign
Traffic sign

Symmetry
UF: Asymmetry
Dissymmetry
BT: Mathematics
RT: Cross section

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

Tail end collision

USE: **Rear end collision**

Tail light

USE: **Rear light**

Tailgating

USE: **Headway**

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: Road user charges

Taxi

UF: Cab

BT: Private transport

Transport mode

Vehicle type

NT: Shared taxi

RT: Dial a ride
Paratransit

Taxiway

USE: **Runway**

TDM

USE: **Demand management**

Technical writing

UF: *Report writing*

Writing

Technique

USE: **Method**

Technological change

USE: **Change**

Technology

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

Multimedia

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
 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

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

Theft

BT: Offence
 RT: Security

Thermal analysis

UF: *Differential thermal analysis*
DTA
 BT: Chemical analysis
 RT: Decomposition

Thermoplastic

BT: Plastics

Thesaurus

RT: Dictionary
 Encyclopedia
 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 and Test rig**

Timber

UF: *Wood*
 BT: Bridge materials
 RT: Timber bridge
 Timbering

Timber bridge

BT: Bridge
RT: Curved bridge
Timber

Timbering

UF: *Bracing*
BT: Construction
RT: Excavation pit
Timber

Time

UF: *Duration*
NT: Departure time
Hour
RT: Day
Dusk
Night
Travel time
Value of time
Waiting time
Weekday
Weekend

Time interval

USE: **Headway**

Time lag

USE: **Headway**

Time of departure

USE: **Departure time**

Time of trip

USE: **Departure time**

Time series

RT: Research method

Timetable

NT: Boarding time
RT: Public transport
Punctuality
Reliability
Scheduling

Tinted glass

BT: Glass
RT: Coating
Vehicle window

Tiredness

USE: **Human fatigue**

Toad tunnel

USE: **Animal crossing**

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: Abandoned vehicle
Caravan
Trailer

Town

UF: *Country town*
NT: New town
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
 New town
 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

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

UF: *Car accident*
Car crash
Collision
Motor vehicle accident
Road accident
Vehicle accident
 BT: Accident

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
- 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 location
 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** and **Traffic**

Traffic volume

USE: **Traffic flow**

Trafficator

USE: **Vehicle turn indicator**

Trailer

BT: Vehicle type
 RT: Articulated vehicle
 Caravan
 Towing

Train

BT: Rail transport
 Vehicle type
 RT: Railway station
 Railway track

Training

USE: **Education**

Tram

UF: *Street car*
 BT: Light rail transport
 Transport mode
 Vehicle type
 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: Permit
 Transport

Transport safety

BT: Safety
 RT: Dangerous goods
 Hazardous 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
 Mobility
 Staggered working hours
 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: 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

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

Turbocharger

BT: Vehicle component
RT: Engine design

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**

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: Accident
Heavy vehicle

Understanding

USE: **Comprehension**

Undivided road

USE: **Two lane road**

Unemployment

USE: **Employment**

Uniflo

USE: **Air cushion vehicle**

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

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

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: Accident 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: Traffic sign

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: Abandoned vehicle
 Instrumented vehicle
 Second hand vehicle
 Vehicle component
 RT: Fleet management
 Leasing
 Vehicle actuated
 Vehicle breakdown
 Vehicle bridge interaction
 Vehicle capacity
 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 location
 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 accident

USE: **Traffic accident**

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: Abandoned vehicle
 Vehicle

Vehicle bridge interaction

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

Vehicle capacity

UF: *Seating capacity*
 RT: Vehicle

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
 Foglight
 Ignition
 Instrument panel
 Mudguard
 Number plate
 Pedal
 Radiator
 Rear view mirror
 Restraint
 Safety glass
 Seat
 Silencer
 Speedometer
 Steering column
 Steering wheel
 Turbocharger
 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 costs

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

Vehicle damage repair cost

USE: **Accident 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

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
 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

RT: Accident 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 reflector
 Vehicle turn indicator

Vehicle limits

USE: **Vehicle regulations**

Vehicle location

NT: Automatic vehicle location (AVL)
 RT: Intelligent transport systems (ITS)
 Traffic management
 Vehicle
 Vehicle monitoring

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 location

Vehicle occupancy

UF: *Number of occupants*
Occupancy
 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 reflector

BT: Vehicle lighting

Vehicle registration

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

Vehicle regulations

UF: *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: Transport management
 Vehicle

Vehicle safety

BT: Safety
 NT: Anti lock braking
 Braking distance
 Crashworthiness
 Helmet
 Injury prevention
 Recall campaign
 Restraint
 RT: Accident 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 collision
 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 tracking

USE: **Vehicle monitoring**

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: Air cushion vehicle
Aircraft
Articulated vehicle
Bicycle
Bus
Car
Caravan
Electric vehicle
Emergency vehicle
Ferry
Four wheel drive
Heavy vehicle
Light commercial vehicle
Moped
Motorcycle
Off road vehicle
Road train
Taxi
Tractor
Trailer
Train
Tram
Truck
RT: Accident 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

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**

Video

BT: Photography
RT: Data collection
Human machine interface
Image processing
Multimedia
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: Dark adaptation
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
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: 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

Waiting time

RT: Delay
Queue length
Time

Walking

BT: Transport mode
RT: Pedestrian

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

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: *Wet lands*
 RT: Land use
 Water

Wetting agent

USE: **Surface active agent**

Wharf

USE: **Port**

Wheel

BT: 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: Accident
 Coefficient of friction
 Vehicle handling

Wheelchair

RT: Disabled person
 Non motorized transport

Whip lash

USE: **Whiplash**

Whiplash

UF: *Whip lash*
 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: Accident 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

Winter maintenance

BT: Maintenance
 NT: Deicing salt
 Snow clearance
 RT: Road heating

Wire

RT: Cable
 Cable stayed bridge
 Steel

Withdrawal of drivers licence

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

USE: **Construction site**

Workability

RT: Compaction
 Mix design

Working hours
USE: **Hours of work**

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: Accident
Jack knifing
Lateral acceleration
Vehicle handling

Yearbook

Yellow light

UF: *Amber light*
BT: Traffic signal
RT: Colour
Green light
Red light

Yield
USE: **Creep**

Yield sign
USE: **Give way sign**

Young concrete
USE: **Fresh concrete**

Young driver

UF: *Adolescent driver*
BT: Driver
Young person
RT: Adolescent
Age
Driver characteristics
Driving experience
Learner driver
Recently qualified driver

Young people
USE: **Young person**

Young person

UF: *Young people*
NT: Young driver
RT: Adolescent
Age

Young's modulus
USE: **Modulus**

Zebra crossing
USE: **Pedestrian crossing**

Zone
USE: **Region**

Zone toughened glass
USE: **Safety glass**