

CrossRiver*Rail*



Appendix L Glossary of Terms

Cross River Rail

APPENDIX L

Glossary of Terms

JULY 2011

Glossary of Terms

The following abbreviations have been used in this document:

°C	degrees Celsius
24/7	24 hours a day, 7 days a week
AADT	Annual Average Daily Traffic
AASS	Actual Acid Sulfate Soils
Aboriginal Cultural Heritage	Aboriginal cultural heritage is anything that is: <ul style="list-style-type: none"> • a significant Aboriginal area in Queensland; or • a significant Aboriginal object; or • evidence of archaeological or historic significance, of Aboriginal occupation of an area of Queensland.
ABS	Australian Bureau of Statistics
AC	alternating current
Acoustic barriers	A barrier designed to reduce the noise impacts of an activity on nearby sensitive areas
AEP	Annual Exceedance Probability
AGIC	Australian Green Infrastructure Council
AHD	Australian Height Datum
AL Act	<i>Acquisition of Land Act 1967</i>
ALFN	Assessment of Low Frequency Noise
am	Before noon
AMA	Area Management Advice
Ambient	The background level at a specified location, being a composite of all sources. Examples include noise and air pollutants.
Amenity	A feature that increases attractiveness or value, especially of a piece of real estate or a geographic location.
ANZECC	Australian and New Zealand Environmental Conservation Council
AS	Australian Standard
ASGC	Australian Standard Geographical Classification
ASS	Acid Sulfate Soils
ASSMP	Acid Sulfate Soil Management Plan
AST	Above ground Storage Tank
ATC	Australia TradeCoast
ATP	Automatic Train Protection
ATSICHET	Aboriginal and Torres Strait Islander College of Health Education and Training

Australia TradeCoast (ATC)	A joint marketing initiative by the Queensland Department of State Development, Brisbane Airport Corporation, Port of Brisbane Corporation and Brisbane City Council. A primary purpose of the Australia TradeCoast is to market the 2,200 ha of vacant land north and south of the Brisbane River for general and transport-related industry purposes
Australia TradeCoast North	The area north of the Brisbane River and bounded by the Gateway Motorway and Nudgee Road to the east. ATC North includes the Brisbane Airport and associated developments, Hamilton Lands, Eagle Farm, Pinkenba, Myrtleown and the proposed TradeCoast Central
AWDT	Average Week Day Traffic
BAC	Brisbane Airport Corporation
BACICS	Bus Access Capacity Inner City Study
BAMM	Biodiversity Assessment and Mapping Methodology
BAZ	Bicycle Awareness Zone
BCA	Benefit-cost analysis
BCC	Brisbane City Council
BCR	Benefit Cost Ratio
BCTA	Brisbane Central Traffic Area
B-Double	A long articulated heavy vehicle
bgl	below ground level
BL	Bus lane
BMT	Brisbane Multi-modal Terminal
BMTMC	Brisbane Metropolitan Transport Management Centre
BOM	Bureau of Meteorology
Bonn Convention	Convention on the Conservation of Migratory Species of Wild Animals
BPA	Biodiversity Planning Assessment
Brisbane City Plan 2000	The Brisbane City Plan 2000 is the Council's planning scheme. It describes the Council's intentions and outcomes for Brisbane city's future development
Brisbane metropolitan area	Brisbane and the surrounding area extending to Caboolture in the north, Beenleigh in the south, Ipswich in the west and Redlands in the east. The area represents that covered by the 2001 Brisbane Statistical Division (BSD)
Brisbane Strategic Transport Model – Multi-modal (BSTM MM)	A computerised, calibrated multi-modal transport planning model that forecasts travel demand, traffic flows and public transport patronage based on demographic and land use parameters and transport network characteristics
BRUV	Boggo Road Urban Village
BSD	Brisbane Statistical Division

BSTM	Brisbane Strategic Transport Model
BSTM MM	Brisbane Strategic Transport Model – Multi Modal version
BTEX	benzene, toluene, ethylbenzene, and xylene
BUG	Brisbane Urban Growth model
Bulk freight or bulk cargo	Bulk freight is material that is transported unpackaged in large quantities. This material is usually dropped or poured into a bulk carrier ship's hold, railroad car, or tanker truck/trailer/semi-trailer body rather than being transported in shipping containers (see Inter Modal Freight). Bulk freight is classified as liquid or dry and can include grain, coal, and petroleum
Busway	A busway provides a high level of service characterised by bus stations and dedicated right of way for buses.
BUZ	BUZ services are high frequency bus services operating at least every 10 minutes in peak periods and at least every 15 minutes in off-peak periods, seven days a week.
CAMBA	agreement between the Government of Australia and the Government of the People's Republic of China for the Protection of Migratory Birds and their Environment
CBA	Cost Benefit Analysis
CBD	Central Business District
CBR	Cost-benefit ratio
CCTV	Closed Circuit Television
CCV	Council Controlled Vegetation
CD	Collector District
CEMP	Construction Environmental Management Plan
Central Business District (CBD)	An area of extensive commercial, retail, finance and government activity located within Brisbane that extends from Eagle Terrace (near William Jolly Bridge) to Kemp Place (near the Story Bridge) including all land to the south and east of Ann and Turbot Streets
CER	Communication Equipment Rooms
CG	Coordinator General of Queensland
CGE	Computable General Equilibrium
CHMP	Cultural Heritage Management Plan
City network	The Queensland Rail passenger network in South East Queensland that spans 740 kilometres of track, stretching from Varsity Lakes on the Gold Coast in the South to Nambour on the Sunshine Coast in the North, and from Moreton Bay in the East inland to Rosewood in the west
Clem7	Clem Jones Tunnel (previously known as the North-South Bypass Tunnel)
ClicSim	A software package developed by SKM used to forecast pedestrian flows and level of service within a railway station.
CLR	Contaminated Land Register

CO	Carbon monoxide
CO₂	Carbon dioxide
Commercial vehicle (CV)	Medium or heavy commercial vehicle commonly referred to as a truck, and specifically equivalent to an AustRoads Class 3 to Class 12 vehicle.
Connecting SEQ 2031 (draft)	The draft Integrated Regional Transport Plan for South East Queensland 2010-2031
Consists	The make- up of a train including the number of locomotives and carriages (cars) or wagons
Containerised freight	(see Inter modal freight)
CoRTN	Calculation of Road Traffic Noise
Cost skims	The process within the Cross River Rail Patronage Model to extract travel costs (in terms of time, distance and fare) from each zone to every other zone
CPI	Consumer Price Index
CPM	Cross River Rail Patronage Forecasting Model
CPRS	Carbon Pollution Reduction Scheme
CPTED	Crime Prevention through Environmental Design
CRR	Cross River Rail
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CSQ	Construction Skills Queensland
CTMP	Construction Traffic Management Plan
Cumulative impacts	The combined impact on the environment from the successive effects of a number of different projects or activities
CV	Commercial Vehicle
CWR	Continuously Welded Rail
Cycle time	The time taken for one complete sequence of signal phases at an intersection
Dangerous goods	Good defined under the Australian Dangerous Goods Code as either dangerous goods or too dangerous to be transported.
dBA	A-weighted decibels
DBH	Diameter at Breast Height
DCDB	Digital Cadastral Data Base
DDA	Disability Discrimination Act 1992
DEEDI	Department of Employment, Economic Development and Innovation
Defence	Department of Defence

Degree of saturation (DOS)	This is the calculated ratio between the demand flow rate and the capacity for each movement. When the maximum DOS value for any movement is above 95% then the intersection is regarded as over saturated or operating above its practical capacity. This means that it will take more than one cycle of the signals to progress through the intersection. DOS values above 1.0 typically indicate that several movements will fall within this category
DEH	Department of Environment and Heritage. (now Department of Sustainability, Environment, Water, Population and Communities (DSEWPC))
DEM	Digital Elevation Model
Demographics	Results from the study of the characteristics of human populations, such as size, growth, density, distribution, vital statistics and land use
DEOs	Desired Environmental Outcomes
DERM	Department of Environment and Resource Management
DET	Department of Education and Training
DEWHA	Department of Environment, Water, Heritage and the Arts (now Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC))
DFE	Defined Flood Event
DIP	Queensland Department of Infrastructure and Planning
DLGP	Department of Local Government and Planning
DoE	Department of Environment (now Department of Sustainability, Environment, Water, Population and Communities (DSEWPC))
DOS	Degree of Saturation
DP	Disposal Permit
DPIF	Primary Industries and Fisheries (now part of Department of Employment, Economic Development and Innovation (DEEDI))
DRO	Desired Regional Outcome
DSAPT	Disability Standards for Accessible Public Transport 2002
DSEWPaC	Department of Sustainability, Environment, Water, Population and Communities (previously Department of Environment, Water, Heritage and the Arts (DEWHA))
DTMR	Department of Transport and Main Roads
Dual gauge line	A railway line capable of accommodating trains with two different wheel gauges. In Queensland dual gauge tracks are capable of accommodating standard gauge trains (1435 mm wheel spacing) and narrow gauge trains (1067 mm wheel spacing)
E/B	Eastbound
Ecosystem	A dynamic complex of plant, animal, fungal and micrograms communities and associated non-living environment interacting as an ecological unit to form a recognisable self-contained entity
EDSC	Erosion, Sediment and Drainage Control
EEO Act	Energy Efficiency Opportunities Act 2006

eg	Example
EHMP	Ecosystem Health Monitoring Program
EIS	Environmental Impact Statement
Ekka	The proposed new Cross River Rail Ekka Station in Bowen Hills. Note that Exhibition Station refers to the existing QR station. The Royal Queensland show refers to the annual event.
Elasticity	Elasticity is the ratio of the incremental percentage change in one variable with respect to an incremental percentage change in another variable; for example change in demand with change in fare price.
EMME	A software transport-modelling package that is used widely for travel demand forecasting both in Australia and internationally
EMP	Environmental Management Plan
EMR	Environmental Management Register
EMS	Environmental Management System
EMU	Electric Multiple Unit (Type of rail passenger rolling stock)
EP	Equivalent Persons
EP Act	Environmental Protection Act 1994
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
EPM	Emergency Procedures Manual
EPP(Air)	Environmental Protection (Air) Policy 2008
ERA	Environmentally Relevant Activities
ESA	Equivalent Standard Axles
ESCP	Erosion and Sediment Control Plan
ESD	ecologically sustainable development
ETS	Emissions Trading Scheme
EVR	endangered, vulnerable or rare, regarding protected species
F/C	Flammable and Combustible Liquids
Feeder bus	A term used to describe a bus service which provides passengers access to another public transport service via an interchange or transfer at a station, usually a faster, higher capacity mode such as a train or busway
FIDIC	International Federation of Consulting Engineers
Fisheries Regulation	Fisheries Regulation 2008
Flash butt welding	A technique for joining segments of metal rail or pipe in which segments aligned end to end are electronically charged, producing an electric arc that melts and welds the ends of the segments, yielding an exceptionally strong and smooth joint
Flat junction	an at-grade rail junction that allows trains to switch tracks

Flighting	Where one train follows closely behind a lead train – usually used to allow two freight trains to efficiently proceed through an urban rail network
FTE	Full Time Equivalent
Gabba	Refers to the proposed new Cross River Rail Gabba Station in Woolloongabba. Gabba Stadium refers to the sports ground venue, Gabba Traffic Area refers to that BCC-designated traffic control area and Woolloongabba Busway Station refers to the existing transport station
GFA	Gross Floor Area
GHG	Greenhouse Gas
GSP	Gross State Product
GST	Goods and services tax
HAT	Highest Astronomical Tide
HCSMUs	High Capacity Suburban Multiple Unit
HerbreCs database	HerbreCs database description: Oracle relational database including taxon names and specimen data run by Queensland Environmental Protection Agency
Heritage	Places, objects and indigenous languages that have aesthetic, architectural, historical, scientific, technological or social significance of other special value for future generations as well as for the community today
HFP	High Frequency Priority
High frequency priority network (HFPN)	The HFP network is intended to form the core of the South East Queensland public transport network. It is also termed UrbanLink in the draft Connecting SEQ 2031 Integrated Transport Plan. HFPN services could be bus or rail operating at a frequency of every 15 minutes or better between the hours of 6am and 9pm seven days a week
High occupancy vehicle (HOV)	Vehicle carrying more than one occupant (generally two or more occupants) and taxis and buses.
HOV	High Occupancy Vehicle
hr	hour
HV	Heavy Vehicles
Hz	Hertz
IAS	Initial Advice Statement
ICB	Inner City Bypass
ICRCS	Inner City Rail Capacity Study
IDAS	Integrated Development Assessment System
ie	That is
IECA	International Erosion Control Association

IEP 20% Policy	Indigenous employment opportunity policy
IGANRIP	Interim Guideline for the Assessment of Noise from Rail Infrastructure Projects
ILTP	Integrated Local Transport Plan
ILUA	Indigenous Land Use Agreement
IM	Inter Modal
IMEX	Import/export
IMP	Incident Management Plan
IMT	Inter Modal Terminal
IMU	Interurban multiple unit (Type of rail passenger rolling stock)
INB	Inner Northern Busway
Inland rail route	A proposed inland freight railway between Melbourne and Brisbane via Parkes and Moree (bypassing Sydney) partly on existing railway and partly on new railway
Integrated Regional Transport Plan (for South East Queensland) or IRTP	A multi-modal strategic transport planning document outlining the preferred means of meeting and managing travel demand across the South East Queensland region. The first IRTP for SEQ was released in 1997. A draft replacement Connecting SEQ 2031 was released in 2010
Integrated ticketing	One ticket than can be used on multiple public transport modes
Intermodal freight transport	The transportation of freight in an intermodal container or vehicle, using multiple modes of transportation (eg rail, ship, and truck), without any handling of the freight itself when changing modes. The method reduces cargo handling, and so improves security, reduces damages and losses, and may allow freight to be transported faster. Also known as containerised freight
IPCC	Intergovernmental Panel on Climate Change
IRTP	Integrated Regional Transport Plan (for South East Queensland). Also known as Connecting SEQ 2031
ITALICS	Integrated Transport and Land use Inner City Study
JAMBA	agreement between the Government of Australia and the Government of Japan for the Protection of Migratory Birds in Danger of Extinction and their Environment
JV	Joint Venture
KGS	King George Square
Kiss ‘n’ ride	A term used to describe a passenger trip to or from a station including the related pick up or drop off activity by private vehicle, including taxis
km	kilometre
km/h	Kilometres per hour

kph	kilometre per hour
KPI	Key performance indicators
KRA	Key Resource Area
kV	Kilovolts
Kwh	Kilowatt hour
L	Litre
LA₁	The A-weighted noise level exceeded for 1% of a given measurement period. This parameter is often used to represent the typical maximum noise level in a given period
LA₁₀	The A-weighted noise level exceeded 10% of a given measurement period and is utilised normally to characterise average maximum noise levels
LA₉₀	The A-weighted noise level exceeded 90% of a given measurement period and is representative of the average minimum background noise level (in the absence of the source under consideration), or simply the “background” level
LA_{eq}	The A-weighted average noise level. It is defined as the steady noise level that contains the same amount of acoustical energy as a given time-varying noise over the same measurement period
LA_{max}	The maximum A-weighted noise level associated with a sampling period
LEED	Leadership in Energy and Environmental Design
Legacy Way	Formerly Northern Link; a major road tunnel project which will connect the Western Freeway at Toowong with the Inner City Bypass (ICB) at Kelvin Grove.
Level of service (LOS) - Road network	Traffic conditions on the road network as perceived by drivers. A key measure of the performance of the road network, it can be measured at a mid-block point or at an intersection. For this study, LOS descriptions are based upon the ratio of average speed to free flow speed
Level of service (LOS)- Pedestrians	Conditions within the pedestrian environment, including walkways, stairs, and queuing areas as perceived by passengers. For this study, LOS measures for pedestrians were based upon densities researched and established by Fruin (1971)
Level of service (LOS)- Public transport network	Travelling conditions on the public transport network as perceived by passengers. For this study, LOS measures used to describe the performance of the public transport network are load factor and on time reliability
LGA	Local Government Area
LGMS	Local Growth Management Strategy
LGS	Lattice arch girders
Line loading	the number of passengers on a public transport route or line. Usually over a specified time period (peak one hour or peak two hour period) rather than on an individual service

LIP	Local Industry Policy
Load factor	the ratio of passengers on a public transport line or route segment relative to the available capacity over a specified time period (usually peak one hour or two hour peak period). Capacity can be expressed as seated capacity and hence the term Seated Load Factor is used, or total assumed capacity including standing space and referred to as Total Load Factor
LOS	Level of Service
LP Act	Land Protection (Pest and Stock Route Management) Act 2002
LSZH	Low Smoke Zero Halogen
L/s	Litres per second
m	metre
m²	square metre
m³	cubic metre
m³/day	cubic metres per day
ML/day	megalitres (million litres) per day
M1	Gateway Motorway
M2	Ipswich Motorway
M3	Pacific Motorway
M5	Centenary Motorway
M6	Logan Motorway
M7	Clem Jones Tunnel
MCA	Multi-criteria analysis
Main lines	The railway tracks generally used for express rail services
Major activity centre	Major activity centres accommodate key district concentrations of employment, services, limited comparison and major convenience retail
mbgs	Metres Below Ground Surface
Metro	A metro is a high-frequency, high-capacity passenger transport system independent of traffic or pedestrians.
MIC	Maximum Instantaneous Charge
mg/L	milligrams per litre
mg/m²/day	milligrams per square metre per day
mm	millimetre
m/s	metre per second
mm/s	millimetres per second
MSDS	Material Safety Data Sheet
MSL	Mean Sea Level

Mt	million tonnes
MTPA	Million Tonnes Per Annum
MVA	MegaVoltAmpere
N/B	Northbound
NALL	Natural Assets Local Law 2003
NAPSP	Natural Assets Planning Scheme Policy
NATA	National Association of Testing Authorities
Nation Building Program	A \$37 billion, six-year Federal Government funding program for land transport, including a range of road and rail programs and projects across the National Land Transport Network. This network is based on national and inter-regional land transport corridors that are of critical importance to national and regional growth
NB	Northern Busway
NC Act	Nature Conservation Act 1992
NC Protected Plants Plan	Nature Conservation (Protected Plants) Conservation Plan 2000
NEPC	National Environment Protection Council
NEPM	National Environmental Protection Measures
NES	National Environmental Significance
Network volume difference plots	Identify the increase or decrease in total vehicles on each link of a road network as the result of a new transport project.
NGER Act	National Greenhouse and Energy Reporting Act 2007
NHMRC	National Health and Medical Research Council
NIEIR	National Institute of Economic and Industry Research
NIAPSP	Noise Impact Assessment Planning Scheme Policy
NNMP	Network Noise Management Plan
NO₂	Nitrogen dioxide
Non-steady state	Noise having fluctuations of sound pressure level within the monitoring period
North Coast line	The North Coast railway line is a narrow gauge railway line in Queensland. It runs from Brisbane, along the Queensland coast to as far north as Cairns. The railway passes through the numerous towns and cities of eastern Queensland including Nambour, Gladstone, Rockhampton, Mackay and Townsville
NOHSC	National Occupational Health and Safety Commission
Northern Link	Now known as Legacy Way
NO_x	Nitrogen oxide
NSBT	North-South Bypass Tunnel (now known as Clem7)
NSESD	National Strategy for Ecologically Sustainable Development 1992
NSW	New South Wales

NT Act	Native Title Act 1993
NTU	Nephelometric Turbidity Units
NVP	Net Present Value
NWQMS	National Water Quality Management Strategy
NWTC	North West Transport Corridor
OEMP	Operations Environmental Management Plan
OESR	Office of Economic and Statistical Research
OH&S	Operational Health and Safety
OHLE	Over Head Line Equipment
On time reliability (Rail)	A key rail performance indicator by measuring whether rail services adhere to published timetables
Orbital or ring road network	Part of the overall road system that allows people to travel around rather than through a city centre
OTR	On Time Reliability
PA	Public address
PAH	Princess Alexandra Hospital
PAHs	Polycyclic Aromatic Hydrocarbons
Park 'n' ride	A term used to describe commuter carparking at stations
PASS	Potential Acid Sulfate Soils
PCU	Passenger Car Unit
pH	a measure of the acidity or basicity of an aqueous solution
PIDS	Passenger Information Display Screen
PIFU	Planning, Information and Forecasting Unit
pm	After noon
PM₁₀	Particulate matter with equivalent aerodynamic diameter less than 10 µm
PM_{2.5}	Particulate matter with equivalent aerodynamic diameter less than 2.5 µm
PPE	Personal Protection Equipment
PPV	Peak Particle Velocity
Principal activity centre	Principal activity centres accommodate key concentrations of employment, business, major comparison and convenience retail, government regional offices, regional health, education, cultural and entertainment facilities
Priority intersection	Un-signalised intersection
PSD	Platform Screen Doors
PT	Public Transport
PUP	Public utility plant

PWD	People With Disabilities
QASSIT Guidelines	Queensland Acid Sulfate Soils Investigation Team Guidelines
Qld	Queensland
QPIF	Queensland Primary Industries and Fisheries (now part of Department of Employment, Economic Development and Innovation (DEEDI))
QR	Queensland Rail
QSBS	Queen Street Bus Station
QWQG	Queensland Water Quality Guidelines
QUT	Queensland University of Technology
QWC	Queensland Water Commission
RAAF	Royal Australian Air Force
RACAS	Rail Assessment of Capacity Alternatives Study
Rail (or railway) track	a combination of rails, fasteners, sleepers and ballast (or slab track), plus the underlying subgrade
Rail corridor	the extent of land or land parcel within which the rail tracks are located
Rail patronage	The number of people using the rail system as part of a trip
Rail user	See rail patronage
RailSys	RailSys is developed by University of Hannover and RMCon and is used worldwide as a simulation tool to assist in rail network planning. RailSys is used for analysis, planning and optimization of operational procedures and facilities in rail transport networks
RAP	Remediation Action Plan
RAPID	Real Time Advanced Priority and Information Delivery
RBL	Rating Background Level
RBWH	Royal Brisbane and Women's Hospital
RCH	Royal Children's Hospital
RE	Regional Ecosystems
REDD	Regional Ecosystem Description Database
REIQ	Real Estate Institute of Queensland
Remnant vegetation	All intact and predominantly intact vegetation communities, excluding young regrowth
RIFA	Red Imported Fire Ants
Riparian vegetation	Riparian vegetation is vegetation on land that adjoins, directly influences or is influenced by, a body of water
Riparian zone	The biologically distinct area adjoining a watercourse
RMS	Root Mean Square
RNA	The Royal National Agricultural and Industrial Association of Queensland

Road hierarchy	The classification of roads into major and minor routes to safely and efficiently manage the movement of people and goods while maintaining the liveability of urban areas
ROKAMBA	agreement between the Government of Australia and the Government of the Republic of Korea on the Protection of Migratory Birds
RSPCA	Royal Society for the Prevention of Cruelty to Animals
RUSLE	Revised Universal Soil Loss Equation
S/B	South Bound
SAP	Sampling and Analysis Plan
SCA	Special Context Areas
SCR	State Controlled Road
Screenline	An imaginary border or line over which the number of vehicles or public transport passengers is counted or modelled. Often rivers or major roads are used as screenlines. Analysing differences in volumes across a screenline allows any minor variations in volumes on individual routes along the screenline to be ignored and only overall strategic changes to be identified and reported
SDPWO Act	State Development and Public Works Organisation Act 1971
Sector (rail)	a group of railway lines and services which generally share a common section of track, but which are separate to other sectors
Sectorisation	The process of dividing a complex rail network into set of different sectors with the aim of reducing crossover and conflict between sectors
SEIFA	Socio-Economic Indices for Areas
Select link plots	Highlight the distribution of origin and destinations of users of a particular road link selected for examination
SEQ	South East Queensland: The geographical region comprising the local government areas of Beaudesert, Boonah, Brisbane, Caboolture, Caloundra, Esk, Gatton, Gold Coast, Ipswich, Kilcoy, Laidley, Logan, Maroochy, Noosa, Pine Rivers, Redcliffe, Redland and Toowoomba
SEQ Regional Plan	South East Queensland Regional Plan 2009–2031
SEQIPP	South East Queensland Infrastructure Plan and Program (2010-2031)
SEQTS	South East Queensland Travel Surveys
SI	Site Investigation
SIA	Social Impact Assessment
SIDRA	Signalised and un-signalised Intersection Design and Research Aid. A computer analysis package that is a widely accepted analytical tool for specifically assessing the operation of intersections

Signal phase	A phase is the part of a signal cycle which commences at the start of the green time for a specific pattern of traffic movement and ends at the start of the green time for another specific pattern of traffic movement, of which some individual movements may be common to both traffic movement patterns. Signal Phasing is the complete sequence of these patterns which apply in a repeating cycle at a specific intersection
SIR	Site Investigation Report
SKM	Sinclair Knight Merz
SLA	Statistical Local Area
SLT	Significant Landscape Trees
SMEs	small to medium enterprises
SMP	Site Management Plan
SMU	Suburban Multiple Unit (type of rail passenger rolling stock)
SNL	Specific (Intrusive) Noise Levels
SNV	Significant Native Vegetation
SO₂	Sulphur dioxide
SPCC	State Pollution Control Commission
SP Act	Sustainable Planning Act 2009
Specialist activity centre	Specialist activity centres have a primary non-retail or commercial function, such as specialised economic activity, employment and/or education
Spoil	material (such as rock and soil) removed during excavation and mining (including tunnelling) and dredging
SPP	State Planning Policy
SP Reg	Sustainable Planning Regulation 2009
SPRP	State Planning Regulatory Provisions
sqm	square metre
SRTM	Shuttle Research Topography Mission
Stakeholders	Groups, companies or individuals who may be potentially affected, or have a particular interest in a proposal. Stakeholders may include local residents, government agencies, Aboriginal groups/Land Councils/Council of Elders, local businesses, relevant business and industry groups, community groups, potential competitors, and politicians/elected representatives
Steady state	Noise having minimal fluctuations of sound pressure level within the monitoring period
Study corridor	the defined corridor of interest which extends from Wooloowin in the north to Salisbury in the south, generally following the existing rail corridors, as well as covering a large part of the Brisbane CBD as well as the suburb of Woolloongabba.
Suburban lines	The railway tracks generally used by all stops suburban rail services

Swingnose Crossing	A device used at a rail turnout to eliminate the gap at a common crossing.
t	tonne
t CO₂-e	Tonnes of CO ₂ equivalent
T2 or T3	Transit lane
TBM	Tunnel Boring Machine
TEM	Transmission Electron Microscope
TEU	Twenty-foot Equivalent Unit
the Project	Cross River Rail
TI Act	Transport Infrastructure Act 1994 (Queensland)
TLP	Train Load Predictor
TMP	Traffic Management Plan
TMR	Department of Transport and Main Roads
TOD	Transit Oriented Development
ToR	Terms of Reference
TPC Act	Transport Planning and Coordination Act 1994
tph	Trains per hour
TPR	Third Party Reviewer
Traffic area	A regulated parking area
Traffic zone	A traffic analysis zone is the unit of geography used in conventional transportation planning models. The size of a zone and the spatial extent of zones can vary ranging from very large areas such as suburbs to small city blocks or buildings. Traffic zones in the Cross River Rail Patronage Model are based on Census Collection Districts, the smallest level at which census demographic data is available, further sub-divided in some locations where more detailed investigation was relevant and data was available
Train Load Predictor (or TLP)	A computer software programme developed by Systemwide to provide accurate prediction of passenger loadings for a given timetable to optimise service plan development and strategic investment decisions.
TransApex	Brisbane City Council's proposed tri-axis based framework of strategic road connections that would allow Brisbane's cross-city travel movements to bypass the CBD and inner suburbs
Transit lane	Otherwise known as a High Occupancy Vehicle (HOV) lane, these lanes are available for travel by buses and other vehicles with a specified minimum occupancy eg T2 lane (two or more persons) or T3 lane (three or more persons)
TransLink (TransLink Transit Authority)	A statutory authority created in July 2009 and responsible for the planning, marketing and integration of public transport services, fares and ticketing throughout South East Queensland (from Noosa in the north to Coolangatta in the south and Helidon in the west)

Transyt	A software package developed by the Transport Research Laboratory (UK) which is used to assess and optimise the performance of road networks including signalised road junctions
Trip	A one-way journey by an individual using one or many transport modes
TSC	Track Section Cabins
TSP	Total Suspended Solids
Twenty foot equivalent unit or TEU	is an inexact unit of cargo capacity often used to describe the capacity of container ships and container terminals. It is based on the volume of a 20-foot-long (6.1 m) intermodal container, a standard-sized metal box which can be easily transferred between different modes of transportation, such as ships, trains and trucks
UDA	Urban Development Area
ULDA	Urban Land Development Authority
ULDA Act	Urban Land Development Authority Act 2007
UNFCCC	United Nations Framework Convention on Climate Change
UPS	Uninterruptible Power Supply
UQ	University of Queensland
UST	Underground Storage Tank
UXO	Unexploded Ordnance
V/C	Volume over capacity
VHT	Vehicle Hours Travelled
VKT	Vehicle Kilometres Travelled
VM Act	Vegetation Management Act 1999
VMS	Variable Message System
VOC	Volatile Organic Compounds
Voc	Vehicle operating costs
VPH	Vehicles per hour
VPO	Vegetation Protection Order
VUV	Valued Urban Vegetation
W/B	West bound
Water Act	Water Act 2000
WAV	Waterway Vegetation
WELS Act	Water Efficiency Labelling and Standards Act 2005
Western corridor or line	The railway line linking Brisbane and Ipswich with Toowoomba
WEV	Wetland Vegetation
WRP	Water Resource Plan
WQO	Water Quality Objective
WSUD	Water Sensitive Urban Design

XPT	Express Passenger Train
µg/L	micrograms per litre
µg/m³	microgram per cubic metre
µS/cm	microsiemens per centimetre
µm	Micrometre