

# Glossary and terms of abbreviations

Term	Meaning
<b>A</b>	
Acid sulfate soils	Naturally occurring soils, sediments or organic substrates (eg peat) that are formed under waterlogged conditions. These soils contain iron sulfide minerals (predominantly as the mineral pyrite) or their oxidation products. In an undisturbed state below the water table, acid sulfate soils are benign. However if the soils are drained, excavated or exposed to air by a lowering of the water table, the sulfides react with oxygen to form sulfuric acid
AECOM	AECOM Australia Pty Ltd
AHD	Australian Height Datum The standard reference level used to express the relative height of various features. A height given in metres AHD is the height above mean sea level
AM peak hour	Unless otherwise stated, this refers to vehicle trips arriving at their destination during the average one hour peak in the AM peak period between 7.00 am and 9.00 am on a normal working weekday
ARI	Average recurrence interval An indicator used to describe the frequency of floods. The average period in years between the occurrence of a flood of a particular magnitude or greater. In a long period of say 1,000 years, a flood equivalent to or greater than a 100 year ARI event would occur 10 times. The 100 year ARI flood has a one per cent chance (ie a one-in-100 chance) of occurrence in any one year. Floods generated by runoff from the study catchments is referred to in terms of their ARI, for example the 100 year ARI flood
At-grade	A road at ground level, not on an embankment or in a cutting
<b>B</b>	
Bicentennial Park	Park adjacent to Chapman Road as outlined in the Conditions of Approval
<b>C</b>	
C6	The Crescent civil site
Proposed construction ancillary facility (C6a)	An additional construction ancillary facility proposed on the southern side of The Crescent adjacent to Rozelle Bay and to the east of the City West Link / The Crescent intersection
CEMP	Construction Environmental Management Plan A plan developed for the construction phase of the project to ensure that all contractors and sub-contractors comply with the environmental conditions of approval for the project and that the environmental risks are properly managed
CNVG	<i>Construction Noise and Vibration Guideline</i> (Roads and Maritime, 2016)
CO	Carbon monoxide
Construction	Includes all physical work required to construct the project
CoRTN	<i>Calculation of Road Traffic Noise</i> algorithms (UK Department of Transport 1988)
CRG	Community Reference Group
CoA	Conditions of Approval
Coastal SEPP	<i>State Environmental Planning Policy (Coastal Management) 2018</i>
CSSI	Critical State Significant Infrastructure
<b>D</b>	
dB	Decibel - sound level measurement
dBA	A-weighted decibels A-weighting is applied to instrument-measured sound levels in effort to account for the relative loudness perceived by the human ear, as the ear is less sensitive to low audio frequencies
DECC	NSW Department of Environment and Climate Change (now OEH)
DPE	NSW Department of Planning and Environment
DPIE	Department of Planning, Industry and Environment, formerly DPE

<b>Term</b>	<b>Meaning</b>
<b>E</b>	
EIS	Environmental Impact Statement
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning &amp; Assessment Act 1979</i> (NSW)
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i> (Commonwealth)
EPI	Environmental planning instruments
EPL	Environment Protection Licence under the <i>Protection of the Environment Operations Act 1997</i> (NSW)
ESL	Ecological screening level
<b>F</b>	
<b>G</b>	
GMA	Greater Metropolitan Area
GRAL	Graz Lagrangian Model air quality dispersion modelling package used in the EIS and for this assessment
<b>H</b>	
hr	Hour
<b>I</b>	
ICNG	<i>Interim Construction Noise Guideline</i> (NSW DECC 2009)
Impact	Influence or effect exerted by a project or other activity on the natural, built and community environment
Interchange	A grade separation of two or more roads with one or more interconnecting carriageways
Iron Cove Link	Tunnel connection between Anzac Bridge and Victoria Road, east of Iron Cove Bridge
<b>J</b>	
<b>K</b>	
km	Kilometres
km/h	Kilometres per hour
<b>L</b>	
L <sub>Aeq</sub>	The 'energy average noise level'
L <sub>A90</sub>	The "background noise level" in the absence of construction activities. This parameter represents the average minimum noise level during the daytime, evening and night-time periods respectively. The L <sub>Aeq</sub> (15minute) construction Noise Management Levels (NMLs) are based on the L <sub>A90</sub> background noise levels
Landscape character	The aggregate of built, natural and cultural aspects that make up an area and provide a sense of place. Includes all aspects of a tract of land – built, planted and natural topographical and ecological features
LCZ	Landscape character zone
LEP	Local environmental plan
LGA	Local Government Area
LoS	Level of Service. A qualitative measure describing operational conditions within a traffic stream or intersection and the perception by motorists and/or passengers
<b>M</b>	
m	metres
m <sup>2</sup>	Square metres
M4-M5 Link Mainline tunnels	M4-M5 Link Stage 1 (the mainline tunnel) is also commonly referred to as Stage 3A of the WestConnex program of works including tunnels connecting with the M4 East Motorway at Haberfield and the New M5 Motorway at St Peters
mins	Minutes
MOC	Motorway operations complex

Term	Meaning
<b>N</b>	
NCAs	Noise Catchment Areas
NCG	<i>Noise Criteria Guideline</i> (Roads and Maritime, 2015)
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NMLs	Noise Management Levels
NOx	Nitrogen oxides
<b>O</b>	
OEH	NSW Office of Environment and Heritage (Formerly DECCW)
OOHW	Out-of-hours work
<b>P</b>	
Pedestrian and cycling green link	The active transport link connecting the Rozelle Rail Yards to the Rozelle Bay Light Rail Stop on the southern side of City West Link
PM	(Airborne) particulate matter
PM <sub>10</sub>	Airborne particulate matter with an aerodynamic diameter of less than 10 micrometres (µm)
PM <sub>2.5</sub>	Airborne particulate matter with an aerodynamic diameter of less than 2.5 micrometres (µm)
PM peak hour	Unless otherwise stated, this refers to trips travelling on the network during the average one hour peak period between 3pm to 6pm on a weekday
POEO Act	<i>Protection of the Environment Operations Act 1997</i> (NSW)
Project (M4-M5 Link project)	The approved project that is subject to this proposed modification. A component of the WestConnex program of works. Includes a new multi-lane road link between the M4 East Motorway at Haberfield and the New M5 Motorway at St Peters. The project would also include an interchange at Lilyfield and Rozelle (the Rozelle interchange) and a tunnel connection between Anzac Bridge and Victoria Road, east of Iron Cove Bridge (Iron Cove Link). In addition, construction of tunnels, ramps and associated infrastructure to provide connections to the proposed future Western Harbour Tunnel and Beaches Link project would be carried out at the Rozelle interchange
Proponent	The person or organisation that proposes to carry out the project or activity. For the purpose of the project, the proponent is NSW Roads and Maritime Services
<b>Q</b>	
<b>R</b>	
RBL	Rating Background Level
RNP	Road Noise Policy
Roads and Maritime	NSW Roads and Maritime Services
Rozelle interchange	M4-M5 Link Stage 2 (the Rozelle interchange and Iron Cove Link) is also commonly referred to as Stage 3B of the WestConnex program of works
Rozelle Rail Yards	
RSL	Regional screening levels
RWR	Residential, workplace and recreational This term refers to all discrete receptor locations along the project corridor, and mainly covers residential and commercial land uses
<b>S</b>	
s	Second
S170	State Agency Section 170 Heritage and Conservation Register. Section 170 of the <i>Heritage Act 1977</i> (NSW) requires NSW Government agencies to keep a register of heritage items/assets owned, occupied or managed by that government agency

<b>Term</b>	<b>Meaning</b>
SEARs	Secretary's Environmental Assessment Requirements Requirements and specifications for an environmental assessment prepared by the Secretary of the NSW Department of the Planning and Environment under section 115Y of the <i>Environmental Planning and Assessment Act 1979</i> (NSW)
SEPP	State Environmental Planning Policy
SHR	State heritage register
SO <sub>2</sub>	Sulfur dioxide
SoundPLAN	
SPIR	Submissions and Preferred Infrastructure Report
SREP	Sydney Regional Environmental Plan
SSI	State Significant Infrastructure
SSI 7485 MOD1	
SSIAR	State Significant Infrastructure Assessment Report
SUP	Shared user path
SUPB	Shared user path bridge spanning The Crescent to the east of The Crescent / City West Link intersection to provide connectivity between the Rozelle Rail Yards and the at grade surface connection to Bicentennial Park along the east side of The Crescent and adjacent to Rozelle Bay.
<b>T</b>	
T	Tonne
The Crescent overpass	
The green link	Rozelle Rail Yards Pedestrian and Cycling Green Link
TEQ	Toxic equivalence quotient
<b>U</b>	
UDLP	Urban Design and Landscape Plan
<b>V</b>	
Vegetation SEPP	<i>State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017</i>
veh	Total traffic demand per hour
Visual amenity	Pleasantness or attractiveness of a place or area
VISSIM	
VOCs	Volatile organic compounds
<b>W</b>	
WHT project	The Western Harbour Tunnel component would connect to the M4-M5 Link at the Rozelle interchange, cross underneath Sydney Harbour between the Birchgrove and Waverton areas, and connect with the Warringah Freeway at North Sydney. The Beaches Link component would comprise a tunnel that would connect to the Warringah Freeway, cross underneath Middle Harbour and connect with the Burnt Bridge Creek Deviation at Balgowlah and Wakehurst Parkway at Seaforth. It would also involve the duplication of the Wakehurst Parkway between Seaforth and Frenchs Forest
WestConnex program of works	A program of works that includes the M4 Widening, King Georges Road Interchange Upgrade, M4 East, New M5 and M4-M5 Link projects
<b>X</b>	
<b>Y</b>	
<b>Z</b>	
<b>Others</b>	
µg/m <sup>3</sup>	Micrograms per cubic metre

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