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Terms and acronyms used in this REF

Term / Acronym	Description
AEP	Annual exceedance probability. The probability that a given rainfall total accumulated over a given duration will be exceeded in any one year.
AHIMS	Aboriginal Heritage Information Management System
AOBV	Areas of outstanding biodiversity value
BC Act	<i>Biodiversity Conservation Act 2016</i> (NSW).
Blue Mountains LEP	<i>Blue Mountains Local Environmental Plan 2015</i>
CEMP	Construction environmental management plan
CLM Act	<i>Contaminated Land Management Act 1997</i> (NSW)
Concept design	The preliminary design presented in this REF, which would be refined by the contractor (should the proposal proceed) to a design suitable for construction (subject to TfNSW acceptance).
Contractor	The entity to be appointed by TfNSW to undertake the detailed design and construction of the proposal.
DDA	<i>Disability Discrimination Act 1992</i> (Commonwealth)
Determining authority	A Minister or public authority on whose behalf an activity is to be carried out or public authority whose approval is required to carry out an activity (under Division 5.1 of the EP&A Act).
DOS	Degree of Saturation. Refers to ratio of traffic using an intersection to its capacity. A DOS value greater than 1.0 indicates that the intersection is over capacity.
DSAPT	Disability Standards for Accessible Public Transport
EEC	Endangered ecological community
EIA	Environmental impact assessment
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i> (NSW). Provides the legislative framework for land use planning and development assessment in NSW.
EPA	Environment Protection Authority (NSW)
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i> (Commonwealth). Provides for the protection of the environment, especially matters of national environmental significance, and provides a national assessment and approvals process.
EPL	Environment protection licence, issued under the POEO Act.
ESD	Ecologically sustainable development. Development which uses, conserves and enhances the resources of the community so that ecological processes on which life depends, are maintained and the total quality of life, now and in the future, can be increased
FM Act	<i>Fisheries Management Act 1994</i> (NSW)
Heritage Act	<i>Heritage Act 1977</i> (NSW)
ICNG	<i>Interim Construction Noise Guideline</i> (Department of Environment and Climate Change, 2009)
ISEPP	<i>State Environmental Planning Policy (Infrastructure) 2007</i>
KTP	Key threatening process
LALC	Local Aboriginal Land Council
LCZ	Landscape character zone. Defined as the collective qualities including the built form, natural elements, and the cultural and social facets that combine to provide a locale with a unique sense of place
LEP	Local Environmental Plan. A type of planning instrument made under Part 3 of the EP&A Act.

Term / Acronym	Description
LGA	Local government area
LOS	Level of Service. A qualitative measure describing operational conditions within a traffic stream and their perception by motorists and/or passengers.
MNES	Matters of national environmental significance under the Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> .
MRB	Mott MacDonald, RPS and BG&E. A joint venture engaged by TfNSW to prepare the concept design and REF.
NCA	Noise catchment area. Refers to a group of receivers within a similar noise environment for the purposes of a noise assessment.
NML	Noise management level. Calculated as per the methodology in the <i>Interim Construction Noise Guideline</i> (Department of Environment and Climate Change, 2009) and represent an increase in the noise level that is likely to be acceptable during construction.
NorBE	Neutral or Beneficial Effect. An assessment tool published by WaterNSW to understand potential impacts within the Sydney Drinking Water Catchment.
NPW Act	<i>National Parks and Wildlife Act 1974</i> (NSW)
Out of hours works	Defined as works undertaken <i>outside</i> standard construction hours (ie outside of 7am to 6pm Monday to Friday, 8am to 1pm Saturday and no work on Sundays/public holidays).
PACHCI	Procedure for Aboriginal Cultural Heritage Consultation and Investigation
PCT	Plant community type
POEO Act	<i>Protection of the Environment Operations Act 1997</i> (NSW)
PPV	Peak particle velocity
Proposal	The construction and operation of a 1.2 kilometre section of the Great Western Highway at Medlow Bath, between Railway Parade and around 330 metres south of Bellevue Crescent
Proposal area	The area where the construction and operation of the proposal would be undertaken and which has been assessed in this REF (ie Figure 1-2 and areas nominated in this REF for ancillary facilities).
RBL	Rating background level. A measure of the existing noise level calculated in accordance with the <i>Noise Policy for Industry</i> (EPA, 2017).
RCP	Representative Concentration Pathway. Refers to climate change scenarios that include time series of emissions and concentrations of the full suite of greenhouse gases and aerosols and chemically active gases, as well as land use / land cover. An RCP of 8.5 represents a scenario at the higher end of likely temperature increases.
REF	Review of Environmental Factors (this document).
RNP	<i>Road Noise Policy</i> (EPA, 2011)
Roads Act	<i>Roads Act 1993</i> (NSW)
Roads and Maritime	NSW Roads and Maritime Services, now known as Transport for NSW.
SEIA	Socio-economic impact assessment
Sensitive receivers	Land uses which are sensitive to potential noise, air and visual impacts, such as residential dwellings, schools and hospitals.
SEPP	State Environmental Planning Policy. A type of planning instrument made under Part 3 of the EP&A Act.
SHI	State Heritage Inventory
SHR	State Heritage Register
SIDRA	Signalised Intersection Design Research Aid. A type of traffic modelling software.

Term / Acronym	Description
SMM	Spackman Mossop Michaels
SoHI	Statement of Heritage Impact
Strategic design	An earlier design stage for the Medlow Bath section of the Great Western Highway Upgrade which was displayed for community feedback in July 2020.
TEC	Threatened ecological community
TfNSW	Transport for NSW
THPSS	Temperate Highland Peat Swamp on Sandstone. A type of threatened ecological community.
QA Specifications	Specifications developed by TfNSW for use with road work and bridge work contracts let by TfNSW.