

Parramatta Light Rail Stage 2

Amendment Report - Main Report



Parramatta Light Rail Stage 2
Amendment Report - Main Body
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Parramatta Light Rail Stage 2

Amendment Report



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Parramatta Light Rail Stage 2

Amendment Report



Declaration

Amendment Report prepared by:		
Name:	Amanda Raleigh	Aryel Pylotis
Qualifications:	BSc (Hons), MURP	BSc (Hons)
Address:	GHD Pty Ltd, 133 Castlereagh Street, Sydney, NSW 2000	
Responsible person:		
Name:	Ken Reynolds Chief Development Officer Infrastructure and Place Transport for NSW	
Address:	231 Elizabeth Street Sydney NSW 2000 ABN 18 804 239 602	
Proposed development:		
Construction and operation of the Parramatta Light Rail Stage 2 project.		
Address of the land on which the infrastructure to which the report relates is to be carried out:		
Land within the City of Parramatta and City of Ryde local government areas as described within this document.		
Description of the proposed amendments to which the report relates:		
Amendments are proposed to the following project features as described in Chapter 4 of this report: <ul style="list-style-type: none"> • Camellia foreshore to Rydalmere alignment and bridge • Bridge between Melrose Park and Wentworth Point • Bridge at Hill Road. 		
Amendment report:		
An amendment report for the project is attached and is prepared in accordance with section 179 of the Environmental Planning and Assessment Regulation 2021.		
Declaration:	I certify that I have prepared this amendment report to comply with section 179 of the Environmental Planning and Assessment Regulation 2021 and with consideration of the State Significant Infrastructure Guidelines (DPE, 2021). To the best of my knowledge this amendment report contains all available information that is relevant to the assessment of the amendment of the State significant infrastructure application and the information contained in this amendment report is neither false nor misleading.	
Signature:		
Name:	Amanda Raleigh	Aryel Pylotis
Date:	29 September 2023	29 September 2023

Glossary of terms and abbreviations

Term	Meaning
Aboriginal object	Defined by the <i>National Parks and Wildlife Act 1974</i> (NSW) as: ‘any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains’.
Aboriginal site	A place where physical remains or modification of the natural environment indicate past and ‘traditional’ activities by Aboriginal people. Includes sites listed on the AHIMS. Also known as ‘Aboriginal objects’.
ACHAR	Aboriginal cultural heritage assessment report
Active transport	Non-motorised forms of transport involving physical activity, such as walking and cycling.
AHIMS	Aboriginal Heritage Information Management System
Alignment	The location of the track, accurately defined both horizontally and vertically, along which the light rail vehicles operate.
Amendment	A change in what the proponent (Transport) is seeking approval for made during the assessment. It requires changes to the project description in the EIS or modification report and amendments to the associated infrastructure application or modification request. Applications can only be amended with the agreement of the Planning Secretary.
Amendment Report	Report prepared to assess the potential impacts of the proposed amendments to the project as exhibited in the EIS (this report).
Annual exceedance probability (AEP)	The chance of a flood of a nominated size occurring in a particular year. The chance of the flood occurring is expressed as a percentage and, for large floods, is the reciprocal of the average recurrence interval. For example, the one per cent AEP flood event is equivalent to the 100-year average recurrence interval flood event.
BC Act	<i>Biodiversity Conservation Act 2016</i> (NSW)
Biodiversity	The variety of plant and animal life in the world or in a particular habitat.
Biodiversity offsets	Measures that benefit biodiversity by compensating for the adverse impacts elsewhere of an action, such as clearing for development. Biodiversity offsets work by protecting and managing biodiversity values in one area in exchange for impacts on biodiversity values in another.
Catchment	The land area draining through the main stream, as well as tributary streams, to a particular site. It always relates to an area above a specific location.
CBD	Central business district
CEEC	Critically endangered ecological community
Central River City Precinct SEPP	State Environmental Planning Policy (Precincts - Central River City) 2021
Climate	The average weather experienced at a site or region over a period of many years, ranging from months to many thousands of years. The relevant measured quantities are most often surface variables such as temperature, rainfall and wind.
Construction	Includes all physical work required to construct the project.
Construction compound	An area used as the base for construction activities, usually for the storage of plant, equipment and materials and/or construction site offices and worker facilities.

Term	Meaning
Critical State significant infrastructure	State significant infrastructure can be declared to be critical State significant infrastructure by the Minister for Planning in accordance with section 5.13 of the EP&A Act if the Minister is of the opinion that infrastructure is essential for the State for economic, environmental or social reasons.
Cumulative impacts	Impacts that, when considered together, have different and/or more substantial impacts than a single impact assessed on its own.
dB	Decibels
dBA	Used as a measure of A-frequency weighed sound levels
DPE	Department of Planning and Environment
DPIE	Department of Planning, Industry and Environment (former)
EEC	Endangered ecological community
EIS	Environmental Impact Statement
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i> (NSW)
EP&A Regulation	Environmental Planning and Assessment Regulation 2021
EPBC Act	<i>Environment Protection and Biodiversity Act 1999</i> (Cth)
FM Act	<i>Fisheries Management Act 1994</i> (NSW)
GPOP	Greater Parramatta and the Olympic Peninsula
Greenhouse gas	Greenhouse gases are those gaseous constituents of the atmosphere, both natural and anthropogenic, that absorb and emit radiation at specific wavelengths within the spectrum of terrestrial radiation emitted by the Earth's surface, the atmosphere itself, and by clouds. Water vapour (H ₂ O), carbon dioxide (CO ₂), nitrous oxide (N ₂ O), methane (CH ₄) and ozone (O ₃) are the primary greenhouse gases in the Earth's atmosphere (CSIRO and BoM, 2015).
HAMU	Historical archaeological management unit
Heritage listed	An item, building or place included on statutory heritage lists maintained by local, State and/or the Australian Government.
Hydrology	The study of rainfall and surface water runoff processes.
Interchange	A location where it is possible to change within or between transport modes.
L _{Aeq}	Equivalent continuous sound level
L _{Amax}	A-weighted maximum sound level
Landscape	The overall character and function of a place and includes all elements within the public realm, and the interrelationship between these elements and the people who use it.
LCZ	Landscape character zone
LEP	Local environmental plan
LGA	Local government area
Magnitude	The physical size and scale of an impact at a location.
MAMU	Maritime archaeological management unit
NCA	Noise catchment area
NSW	New South Wales
NSW EPA	NSW Environment Protection Authority
OOHW	Out-of-hours work
PAD	Potential archaeological deposit
Parramatta LEP	Parramatta Local Environmental Plan 2012
PCT	Plant community type

Term	Meaning
Placemaking	A multi-faceted approach to the planning, design, and management of public spaces, which aims to create public spaces that promote people's health, happiness, and well-being.
Planning Systems SEPP	State Environmental Planning Policy (Planning Systems) 2021
PMF	Probable maximum flood
Project	The construction and operation of Stage 2 of Parramatta Light Rail.
Project site	The area that would be directly affected by construction works (also known as the construction footprint). It includes the location of project infrastructure, the area that would be directly disturbed by the movement of construction plant and machinery, and the location of the storage areas, compounds sites, etc., that would be used to construct that infrastructure.
Refinement	A change that fits within the limits set by the project description and does not change what the proponent is seeking approval for or require an amendment to the infrastructure application for the project.
Residual land	Land acquired to construct the project that is surplus to the operational requirements of the project.
Response to Submissions	Report prepared by Transport to respond to submissions received during exhibition of the EIS.
Road reserve	A legally defined area of land within which facilities such as roads, footpaths and associated features may be constructed for public travel.
SEARs	Secretary's environmental assessment requirements
Sensitivity	How sensitive the existing character of a setting is to a proposed change.
SEPP	State Environmental Planning Policy
Social locality	The social locality refers to the project site and surrounding communities that may be affected by the project.
SOPA	Sydney Olympic Park Authority
Stabling	The act of taking a light rail vehicle out of service and parking it in a siding or stabling facility, usually overnight or longer.
State significant infrastructure	Major transport and services infrastructure considered to have State significance as a result of size, economic value or potential impacts.
Study area	The study area is defined as the wider area including and surrounding the project site, with the potential to be directly or indirectly affected by the project (e.g. by noise and vibration, visual or traffic impacts). The actual size and extent of the study area varies according to the nature and requirements of each impact assessment technical report.
Transport	Transport for NSW
Transport and Infrastructure SEPP	State Environment Planning Policy (Transport and Infrastructure) 2021
Turnback	A junction point where a light rail vehicle can change between two routes/travel directions.
VEC	Vulnerable ecological community
Visual amenity	The value of a particular area or view in terms of what is seen.
Visual envelope	The area from where the project could be visible.
Waste	Includes any matter (whether liquid, solid, gaseous or radioactive) that is discharged, emitted or deposited in the environment in such volume, constituency, or manner as to cause an alteration to the environment.
Work area	Individual areas within the project site that are subject to construction at any one time.