

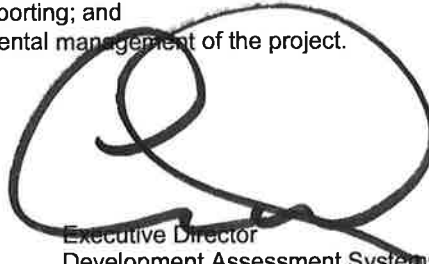
Project Approval

Section 75J of the *Environmental Planning & Assessment Act 1979*

As delegate of the Minister for Planning under delegation executed on 27 February 2013, I approve the project application referred to in schedule 1, subject to the conditions in schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the project.



Executive Director
Development Assessment Systems and Approvals
Department of Planning & Infrastructure

Sydney **19 MARCH** 2013

SCHEDULE 1

Application No.:	MP10_0192
Proponent:	Fairmead Business Pty Ltd
Approval Authority:	Minister for Planning and Infrastructure
Land:	Homebush Bay, between Wentworth Point and Rhodes
Project:	Homebush Bay Bridge, including: <ul style="list-style-type: none">• main bridge over Homebush Bay, from an abutment at Wentworth Point;• approach bridge from an abutment at Rhodes;• approach roads at Wentworth Point and Rhodes; and• associated public domain works at Wentworth Point and Rhodes.

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DEFINITIONS

Act, the	<i>Environmental Planning and Assessment Act 1979.</i>
Ancillary facility	Temporary facility for construction, including for example an office and amenities compound, construction compound, batch plant (concrete or bitumen), materials storage compound, maintenance workshop, testing laboratory.
Certifying Authority	Has the same meaning as Part 4A of the Act.
Conditions of Approval	The Minister's conditions of approval for the project.
Construction	Includes all work in respect of the project other than: a) survey; acquisitions; or building/ road dilapidation surveys. b) fencing; investigative drilling, excavation or salvage; work undertaken in accordance with a strategy or salvage operation required by the conditions of this approval; or minor clearing or translocation of native vegetation. Note - work where heritage, threatened species, populations or endangered ecological communities would be affected is classified as construction, unless otherwise approved by the Director General in consultation with the EPA. c) other activities determined by the Environmental Representative to have minimal environmental impact (e.g. minor access roads and adjustments for services/ utilities, etc).
Department, the	Department of Planning and Infrastructure.
Director General, the	Director General of the Department of Planning and Infrastructure.
Director General's approval, agreement or satisfaction	A written approval from the Director General (or delegate). Where the Director General's approval, agreement or satisfaction is required under a condition of this approval, the Director General will endeavour to provide a response within one month of receiving an approval, agreement or satisfaction request. The Director General may ask for additional information if the approval, agreement or satisfaction request is considered incomplete. When further information is requested, the time taken for the Proponent to respond in writing will be added to the one month period.
DPI	Department of Primary Industries.
EA	Environmental Assessment titled <i>Homebush Bay Bridge – Draft Environmental Assessment for Public Exhibition (Volumes 1, 2, 3 and 4)</i> , prepared by ARUP Pty Ltd for Fairmead Business Pty Ltd and dated February 2012.
EEC	Endangered Ecological Communities.
EPA	Environment Protection Authority.
Feasible and Reasonable	Consideration of best practice taking into account the benefit of proposed measures and their technological and associated operational application in the NSW and Australian context. Feasible relates to engineering considerations and what is practical to build. Reasonable relates to the application of judgement in arriving at a decision, taking into account mitigation benefits and cost of mitigation versus benefits provided, community views and nature and extent of potential improvements. Where requested by the Director General, the Proponent must provide evidence as to how feasible and reasonable measures were considered and taken into account.
Heritage item	An item defined under the <i>Heritage Act 1977</i> , and assessed as being of local/state and/or National heritage significance, and/or an Aboriginal Object or Aboriginal Place as defined under the <i>National Parks and Wildlife Act 1974</i> .
Minister, the	Minister for Planning and Infrastructure.

NOW	NSW Office of Water.
Operation	Means the operation of the project, but does not include commissioning trials of equipment or temporary use of parts of the project during construction.
Project	The project that is the subject of Major Project Application MP10_0192.
Proponent	Fairmead Business Pty Ltd, or any party acting on the approval.
Publicly available	Available for inspection by a member of the general public (for example available on an internet website).
Relevant council	City of Canada Bay Council and/ or Auburn City Council, as applicable.
Rhodes rail precinct	The land bounded by Walker Street, Gauthorpe Street, Marquet Street and Mary Street, Rhodes, and includes any adjoining public domain and railway land.
Sensitive receiver	Residence, education institution (e.g. School, university, TAFE college), health care facility (e.g. nursing home, hospital) and religious facility (e.g. church).

SCHEDULE 2

PART A - ADMINISTRATIVE CONDITIONS

Terms of Approval

- A1. The Proponent shall carry out the project generally in accordance with the:
- Major Project Application MP10_0192;
 - Homebush Bay Bridge – Draft Environmental Assessment for Public Exhibition (Volumes 1, 2, 3 and 4)*, prepared by ARUP Pty Ltd for Fairmead Business Pty Ltd and dated February 2012;
 - Homebush Bay Bridge - Revised Submissions Report*, prepared by ARUP Pty Ltd and dated 1 February 2013, including the revised Statement of Commitments contained therein; and
 - conditions of this approval.
- A2. In the event of an inconsistency between:
- the conditions of this approval and any document listed from condition A1(a) to A1(c) inclusive, the conditions of this approval shall prevail to the extent of the inconsistency; and
 - any document listed from condition A1(a) to A1(c) inclusive, the most recent document shall prevail to the extent of the inconsistency.
- A3. The Proponent shall comply with any reasonable requirement(s) of the Director General arising from the assessment of:
- any reports, plans or correspondence that are submitted in accordance with this approval; and
 - the implementation of any actions or measures contained within these reports, plans or correspondence.
- A4. Subject to confidentiality, the Proponent shall make all documents required under this approval available for public inspection on request.

Limits of Approval

- A5. This approval shall lapse ten (10) years after the date on which it is granted, unless construction works the subject of this project approval are physically commenced on or before that date.

Statutory Requirements

- A6. The Proponent shall ensure that all necessary licences, permits and approvals required for the development of the project are obtained and maintained as required throughout the life of the project. No condition of this approval removes the obligation for the Proponent to obtain, renew or comply with such necessary licences, permits or approvals except as provided under section 75U of the Act.

Staging

- A7. The Proponent may elect to construct and/ or operate the project in stages. Where staging is proposed, the Proponent shall submit a Staging Report to the Director General prior to the commencement of the first proposed stage. The Staging Report shall provide details of:
- how the project would be staged including general details of work activities associated with each stage and the general timing of when each stage would commence; and
 - details of the relevant conditions of approval, which would apply to each stage and how these shall be complied with across and between the stages of the project.

Where staging of the project is proposed, these conditions of approval are only required to be complied with at the relevant time and to the extent that they are relevant to the specific stage(s).

The Proponent shall ensure that an updated Staging Report (or advice that no changes to staging are proposed) is submitted to the Director General prior to the commencement of each stage, identifying any changes to the proposed staging or applicable conditions.

The Proponent shall ensure that all plans, sub-plans and other management documents required by the conditions of this approval and relevant to each stage (as identified in the Staging Report) are submitted to the Director General no later than one month prior to the commencement of the relevant stages, unless an alternative timeframe is agreed to by the Director General.

PART B – PRIOR TO THE ISSUE OF A CONSTRUCTION CERTIFICATE

Disabled Access

- B1. Access for people with disabilities shall be provided in accordance with the *Disability Discrimination Act 1992* (Commonwealth). Prior to the issue of a Construction Certificate, verification of compliance with this condition from an appropriately qualified person shall be provided to the Certifying Authority.

Lighting Plan

- B2. A detailed plan prepared by a suitably qualified lighting engineer in consultation with City of Canada Bay Council, Auburn City Council and RMS must be submitted to the Certifying Authority for approval prior the issue of a Construction Certificate, and include, but not be limited to:
- (a) Adequate lighting of the pedestrian underpass at Wentworth Point;
 - (b) All lighting in public domain areas is to comply with the relevant Council requirements and Australian Standard AS1158 for Street Lighting Applications;
 - (c) The lighting plan should include lighting designs, supported by luminance calculations and luminance plots, and is to be of a high standard and Energy Australia compatible; and
 - (d) All outdoor lighting (excluding street lighting) shall comply with, where relevant, AS/NZ1158.3: 1999 Pedestrian Area (Category P) Lighting and AS4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting.

Utilities

- B3. The bridge shall be designed to be able to accommodate pipes and conduits for use by public authorities, including City of Canada Bay Council and Auburn City Council. At minimum, the allocation of service conduit space in the utility services void shall accommodate two 200mm internal diameter pressure pipes for recycled water supply and reticulation between Rhodes and Wentworth Point.

Pre-Construction Dilapidation Report

- B4. The Proponent shall engage a suitably qualified person to prepare a pre-construction dilapidation report prior to the issuing of a Construction Certificate. This report to ascertain the structural condition of:
- (a) local roads likely to be used by the project's construction traffic identified in the Traffic, Pedestrian and Cyclist Management Sub-plan required under condition C17(b).
 - (b) seawalls, cycleways, footpaths, buildings and other utilities in the vicinity of the development.

The report shall be submitted to the satisfaction of the Certifying Authority and a copy is to be forwarded to City of Canada Bay Council, Auburn City Council, RMS and the Director General.

- B5. The Proponent shall undertake road pavement deflection testing of the construction truck routes at 20 metre intervals along all wheel paths prior to commencement of construction.

Road Design

- B6. The Proponent shall submit, for approval by the relevant road authority under section 138 of the *Roads Act 1993*, engineering and design plans and specifications prepared by a suitable qualified chartered Engineer registered with the Institute of Engineers, Australia, for kerb and gutter, stormwater drainage, full road width pavement including traffic facilities (such as roundabouts and median islands) and paved footpaths to be constructed along the full length of the bridge and approach roads. The required plans must be designed in accordance with the relevant Australian and Austroads standards, and any requirements of the relevant Council and the RMS.
- B7. The design of the bridge deck configuration shall provide for a minimum of 2 x 3.5 metre wide bus lanes, with separate provision for 0.2 metre wide shoulders, linemarked with a painted edge line.
- B8. The design of the bridge deck configuration shall provide for a minimum of 1 x 3.0 metre wide shared path, with separate provision for a minimum of 0.3 metre clearance from barriers, in accordance with the requirements for a recreational shared use path as specified in *Guide to Road Design Part 6A: Pedestrian and Cyclist Paths*.

- B9. Prior to issue of a Construction Certificate, detailed plans indicating the bridge height are to be provided to the Certifying Authority. The landing height at Rhodes shall be no higher than RL3.0, at the point at which it crosses onto the Council Land from Homebush Bay, measured from the surface of the Council Land to the bridge's bus lane surface.
- B10. Prior to the issue of a Construction Certificate, the Proponent shall ensure that the following RMS requirements have been satisfied:
- (a) RMS fees for administration, plan checking, civil works inspections and project management shall be paid by the developer prior to the commencement of works.
 - (b) Copies of civil design plans shall be submitted to RMS for consideration and approval prior to the issuing of a Construction Certificate;
 - (c) A swept path analysis shall be submitted to RMS for consideration and approval prior to the issuing of a Construction Certificate;
 - (d) The bus only lanes shall be marked "Bus Only Lane", to ensure Taxis and Hire Cars are prevented from using the bridge;
 - (e) The bridge shall be designed in accordance with Austroads, RMS' supplements and relevant Australian Standards and design drawings be endorsed by a suitably qualified chartered Engineer, registered with the Institute of Engineers, Australia.

Light Rail

- B11. The project shall be designed to ensure its use by possible future light rail vehicles is not precluded.

Compliance with the Building Code of Australia (BCA)

- B12. Details shall be provided to the satisfaction of the Certifying Authority, with the application for a Construction Certificate, which demonstrate that the proposal complies with the prescribed conditions of approval under Clause 98 of the Environmental Planning and Assessment Regulation in relation to the requirements of the Building Code of Australia (BCA).

Community Enhancement Works

- B13. The Proponent shall allocate monetary amounts to conduct works for the purposes and to the values detailed in the following table. Details of expenditure shall be provided in the Urban Design and Landscape Plan required by condition C8.

Purpose	Monetary amount
Provision of public art for the Homebush Bay Bridge and the landing areas	\$75,000
Upgrading bus facilities in the Rhodes Rail Precinct	\$20,000
Provision of advice to Council on accessibility and Crime Prevention through Environmental Design, and design of the public domain associated with the Homebush Bay bridge	\$15,000

- B14. Should RMS and the City of Canada Bay Council determine within five years of commencement of operation of the project that a bus stop is required to be located on Council land immediately adjacent to the bridge landing on the Rhodes peninsula, the Proponent shall make adequate monetary contributions to the City of Canada Bay Council, or propose works-in-kind (to the satisfaction of Canada Bay Council), for the purpose of providing a bus shelter adjacent to the location of that bus stop.

PART C – PRIOR TO CONSTRUCTION

Commencement of Works

- C1. Demolition, excavation, clearing, construction, subdivision or associated activities must not commence until a Construction Certificate has been issued for the project pursuant to the *Environmental Planning and Assessment Act 1979*.

Contact Telephone Number

- C2. Prior to the commencement of the works, the Proponent shall forward to both City of Canada Bay Council and Auburn City Council a 24 hour telephone number to be operated for the duration of the construction works.

Bridge Restrictions

- C3. The Proponent shall prepare and implement a strategy for restricting vehicles described in condition F1 from using the bridge. The Strategy shall be developed in consultation with RMS, City of Canada Bay Council and Auburn City Council and shall include but not necessarily be limited to:
- (a) Detailed plans illustrating the proposed methods of restricting unauthorised traffic;
 - (b) Details of consultation undertaken, including responses to any comments made;
 - (c) Provisions for periodic review of the effectiveness of the proposed measures; and
 - (d) Details of how any issues arising out of (c) will be addressed, including a description of potential alternative methods of traffic control.

The Strategy shall be submitted to the Director General for approval three (3) months prior to the commencement of construction of the project, or as otherwise agreed by the Director General.

Water

- C4. Any licence application under Part 5 of the *Water Act 1912* must be accompanied by a groundwater and excavation monitoring program developed to the satisfaction of NOW.

Note: A licence under Part 5 of the *Water Act 1912* must be obtained prior to commencement of any excavation works that require dewatering.

- C5. Accurate information on the quality and quantity of groundwater inflows must be provided to NOW prior to the commencement of construction.

- C6. The Proponent shall provide NOW with a copy of the Construction Environmental Management Plan and Construction Soil and Water Quality Management Sub-plan prior to the commencement of construction.

Registration of Easements

- C7. Prior to the commencement of construction, the Proponent shall provide to the Certifying Authority evidence that all easements required by this approval, and other licences, approvals and consents, have been lodged for registration or registered at the NSW Land and Property Information.

Note: This condition does not preclude further confirmation of easement boundaries (and adjustment where necessary) and registration of easements as required prior to the operation of the bridge.

Urban Design and Landscaping

- C8. The Proponent shall prepare and implement an **Urban Design and Landscape Plan** for the project. The Plan shall be prepared in consultation with the City of Canada Bay Council, Auburn City Council and RMS and shall present an integrated urban design for the project. The Plan shall include, but not necessarily be limited to:
- (a) a principal goal of achieving the urban design principles outlined in Section 4.3.2 and 4.4.2 of Appendix H of the EA;
 - (b) location of existing vegetation and proposed landscaping (including use of indigenous and endemic species where possible) and design features;
 - (c) graphics such as sections, perspective views and sketches for key elements of the project;

- (d) final design details of the proposed external materials and finishes, including schedules and a sample board of materials and colours;
- (e) strategies for progressive landscaping of other environmental controls such as erosion and sedimentation controls, drainage and noise mitigation;
- (f) location and design treatments for any associated footpaths and cyclist elements, and other features such as seating, lighting (in accordance with *AS 4282-1997 Control of the Obtrusive Effect of Outdoor Lighting*), fencing, and signs;
- (g) strategies for implementing Crime Prevention through Environmental Design principles;
- (h) a strategy for public art for the bridge, prepared in accordance with the prepared in accordance with the *Rhodes Peninsula Arts Plan 2012*;
- (i) evidence of consultation with the relevant council, RMS and community on the proposed urban design and landscape measures prior to its finalisation;
- (j) monitoring and maintenance procedures for the built elements, rehabilitated vegetation and landscaping (including weed control) including performance indicators, responsibilities, timing and duration and contingencies where rehabilitation of vegetation and landscaping measures fail; and
- (k) redesign of the future seawall on the Rhodes foreshore.

The Plan shall be submitted for the approval of the Director General prior to the commencement of permanent built works and/ or landscaping, unless otherwise agreed by the Director General. The Plan may be submitted in stages to suit the staged construction program of the project.

Cycling Strategy

- C9. The Proponent shall prepare and implement a strategy to promote the use of the project for cycling. The strategy is to be prepared in consultation with Auburn City Council, City of Canada Bay Council, and SOPA, and provide for integration with the existing and proposed local cycleways. The strategy is to be consistent with the *NSW Bike Plan, Planning Guidelines for Walking and Cycling* (NSW DIPNR 2004) and *National Cycling Strategy 2011-16* (Australian Bicycle Council, 2010). The strategy shall be submitted to the satisfaction of the Director General and a copy provided to Auburn City Council, City of Canada Bay Council, and SOPA.

Compliance Tracking

- C10. The Proponent shall develop and implement a **Compliance Tracking Program** to track compliance with the requirements of this approval. The Program shall be submitted to the Director General for approval prior to the commencement of construction and relate to both the construction and operational phases of the project, and include, but not necessarily be limited to:
- (a) provisions for the notification of the Certifying Authority, and the Director General of the commencement of works prior to the commencement of construction and prior to the commencement of operation of the project (including prior to each stage, where works are being staged);
 - (b) provisions for periodic review of project compliance with the requirements of this approval and the documents listed under condition A1, including the Statement of Commitments;
 - (c) provisions for periodic reporting of compliance status against the requirements of this approval and the documents listed under condition A1, including the Statement of Commitments, to the Certifying Authority and the Director General, including at least one month prior to the commencement of construction and operation of the project and at other intervals during the construction and operation, as identified in the Program;
 - (d) a program for independent environmental auditing in accordance with *ISO 19011:2003 - Guidelines for Quality and/ or Environmental Management Systems Auditing*;
 - (e) mechanisms for reporting and recording incidents and actions taken in response to those incidents;
 - (f) provisions for reporting environmental incidents to the Certifying Authority and the Director General during construction and operation; and
 - (g) procedures for rectifying any non-compliance identified during environmental auditing, review of compliance or incident management.

Community Information and Involvement

Provision of Electronic Information

- C11. Prior to the commencement of construction, the Proponent shall establish and maintain a new website, or dedicated pages within an existing website, for the provision of electronic information associated with the project. The Proponent shall, subject to confidentiality, publish and maintain up-to-date information on the website or dedicated pages including, but not necessarily limited to:
- (a) information on the current implementation status of the project;
 - (b) a copy of the documents referred to under condition A1 of this approval, and any documentation supporting modifications to this approval that may be granted from time to time;
 - (c) a copy of this approval and any future modification to this approval;
 - (d) a copy of each relevant environmental approval, licence or permit required and obtained in relation to the project;
 - (e) a copy of each current strategy, plan, program or other document required under this approval; and
 - (f) the outcomes of compliance tracking in accordance with the requirements of condition C10.

Complaints and Enquiries Procedure

- C12. Prior to the commencement of construction, the Proponent shall ensure that the following are available for community complaints and enquiries during the construction period:
- (a) a telephone number, serviced and maintained by the Proponent, on which complaints and enquiries about construction and operation activities may be registered;
 - (b) a postal address, established and maintained by the Proponent, to which written complaints and enquiries may be sent; and
 - (c) an email address, operated and maintained by the Proponent, to which electronic complaints and enquiries may be transmitted.

The telephone number, the postal address and the email address shall be published in a newspaper circulating in the local area prior to the commencement of construction and prior to the commencement of project operation. The above details shall also be provided on the website (or dedicated pages) required by this approval.

- C13. The Proponent shall prepare and implement a **Construction Complaints Management System** consistent with *AS 4269 Complaints Handling* prior to the commencement of construction activities and must maintain the System for the duration of construction activities.

Information on all complaints received, including the means by which they were addressed and whether resolution was reached and whether mediation was required or used, shall be maintained by the Proponent and included in a complaints register. The information contained within the System shall be made available to the Certifying Authority and the Director General on request.

Community Involvement

- C14. The Proponent shall prepare and implement a **Community Communication Strategy** for the project. This Strategy shall be designed to provide mechanisms to facilitate communication between the Proponent, the Contractor, the relevant council, the Environmental Representative and the local community (broader and local stakeholders) on the construction and environmental management of the project. The Strategy shall include, but not necessarily be limited to:
- (a) identification of stakeholders to be consulted as part of the Strategy, including affected and adjoining landowners;
 - (b) procedures and mechanisms for the regular distribution of information to stakeholders on the progress of the project and matters associated with environmental management;
 - (c) procedures and mechanisms through which stakeholders can discuss or provide feedback to the Proponent, Certifying Authority and/ or Environmental Representative in relation to the environmental management and delivery of the project;
 - (d) procedures and mechanisms through which the Proponent can respond to enquires or feedback from stakeholders in relation to the environmental management and delivery of the project;
 - (e) procedures and mechanisms that would be implemented to resolve issues/ disputes that may arise between parties on the matters relating to environmental management and the delivery of

- the project. This may include the use of an appropriately qualified and experienced independent mediator; and
- (f) details of any working party to be established including possible key stakeholders (if relevant). The working party would include, but not necessarily be limited to, the Proponent, RMS, SOPA, Auburn City Council and City of Canada Bay Council.
 - (g) consultation to be undertaken for the bridge naming process.

Key issues that should be addressed in the Community Communication Strategy should include (but not necessarily be limited to):

- i. traffic management (including property access, pedestrian and cycleway access);
- ii. landscaping/urban design matters;
- iii. construction activities; and
- iv. noise and vibration mitigation and management.

The Proponent shall maintain and implement the Strategy throughout construction of the project. The Strategy shall be approved by the Director General prior to the commencement of construction, or as otherwise agreed by the Director General.

Environmental Management

Environmental Representative

- C15. Prior to the commencement of construction of the project, or as otherwise agreed by the Director General, the Proponent shall nominate for the approval of the Director General a suitably qualified and experienced Environment Representative(s) that is independent of the design (including preparation of documentation referred to in condition A1), and construction personnel. The Proponent shall employ the Environment Representative(s) for the duration of construction, or as otherwise agreed by the Director General. The Environment Representative(s) shall:
- (a) be the principal point of advice in relation to the environmental performance of the project;
 - (b) be consulted in responding to the community concerning the environmental performance of the project where the resolution of points of conflict between the Proponent and the community is required;
 - (c) monitor the implementation of environmental management plans and monitoring programs required under this approval;
 - (d) monitor the outcome of environmental management plans and advise the Proponent upon the achievement of project environmental outcomes;
 - (e) have responsibility for considering and advising the Proponent on matters specified in the conditions of this approval, and other licences and approvals related to the environmental performance and impacts of the project;
 - (f) ensure that environmental auditing is undertaken in accordance with the requirements of condition C10(d) and the project's Environmental Management System(s);
 - (g) be given the authority to approve/ reject minor amendments to the Construction Environment Management Plan. What constitutes a "minor" amendment shall be clearly explained in the Construction Environment Management Plan required under condition C16; and
 - (h) be given the authority and independence to require reasonable steps be taken to avoid or minimise unintended or adverse environmental impacts, and failing the effectiveness of such steps, to direct that relevant actions be ceased immediately should an adverse impact on the environment be likely to occur.

Construction Environmental Management Plan

- C16. The Proponent shall prepare and (following approval) implement a **Construction Environmental Management Plan** for the project. The Plan shall outline the environmental management practices and procedures that are to be followed during construction, and shall be prepared in consultation with the relevant Councils and agencies and in accordance with the *Guideline for the Preparation of Environmental Management Plans* (Department of Infrastructure, Planning and Natural Resources, 2004). The Plan shall include, but not necessarily be limited to:
- (a) statutory and other obligations that the Proponent is required to fulfil during construction including approvals, consultations and agreements required from agencies and key legislation and policies. Evidence of consultation with relevant agencies shall be included identifying how issues raised by these agencies have been addressed in the Plan;

- (b) a description of the roles and responsibilities for relevant employees involved in the construction of the project including relevant training and induction provisions for ensuring that employees, including contractors and sub-contractors are aware of their environmental and compliance obligations under these conditions of approval;
- (c) identification of ancillary facility site locations, including an assessment against the locational criteria outlined in condition D23;
- (d) an environmental risk analysis to identify the key environmental performance issues associated with the construction phase and details of how environmental performance would be monitored and managed to meet acceptable outcomes including what actions will be taken to address identified potential adverse environmental impacts (including any impacts arising from the staging of the construction of the project and/ or concurrent construction works with adjacent development, as relevant). In particular, the following environmental performance issues shall be addressed in the Plan:
 - (i) measures to monitor and manage **dust emissions** including dust from stockpiles, blasting, traffic on unsealed public roads and materials tracking from construction sites onto public roads;
 - (ii) measures to minimise **hydrology** impacts, including measures to stabilise bed and bank structures as required;
 - (iii) measures to monitor and manage impacts associated with the construction and operation of **ancillary facilities**;
 - (iv) measures for the handling, treatment and management of **contaminated materials**;
 - (v) protocols for construction works in areas of potential or actual **acid sulphate soils**, including procedures for the investigation, handling, treatment and management of such soils and water seepage;
 - (vi) measures to monitor and manage **waste** generated during construction including but not necessarily limited to: general procedures for waste classification, handling, reuse, and disposal; use of secondary waste material in construction wherever feasible and reasonable; procedures for dealing with green waste including timber and mulch from clearing activities; and measures for reducing demand on water resources (including the potential for reuse of treated water from sediment control basins);
 - (vii) measures to monitor and manage spoil, fill and materials **stockpile sites** including details of how spoil, fill or material would be handled, stockpiled, reused and disposed and a stockpile management protocol detailing locational criteria that would guide the placement of stockpiles and management measures that would be implemented to avoid/ minimise amenity impacts to surrounding residents and environmental risks (including to surrounding water courses). Stockpile sites that affect heritage, threatened species, populations or endangered ecological communities require the approval of the Director General, in consultation with the EPA;
 - (viii) measures to monitor and manage **hazard and risks** including emergency management; and
 - (ix) the issues identified in condition C17;
- (e) details of community involvement and complaints handling procedures during construction, consistent with the requirements of conditions C11 to C14;
- (f) details of compliance and incident management consistent with the requirements of condition C10; and
- (g) procedures for the periodic review and update of the Construction Environmental Management Plan and sub-plans, as necessary (including where minor changes can be approved by the Environmental Representative).

The Plan shall be submitted for the approval of the Director General no later than one month prior to the commencement of construction, or within such period otherwise agreed by the Director General. Construction works shall not commence until written approval has been received from the Director General.

- C17. As part of the Construction Environment Management Plan for the project required under condition C16, the Proponent shall prepare and implement the following sub plan(s):
- (a) a **Contaminated Land Management Sub-plan**, to detail how contaminated (and remediated) land will be managed during the construction period. The sub-plan shall be developed in consultation with the EPA and relevant council and shall include, a description of activities to be

undertaken during construction of the project or stages of construction, including, but not necessarily be limited to:

- (i) process and timing of installation and removal of sediment control devices (silt curtains) which should be installed before any other works, such as pea gravel installation, take place and should remain in place for all works in the water and only removed once works begin above high tide level;
 - (ii) process for placement of pea gravel;
 - (iii) process for installation and removal, if necessary, of concrete mooring blocks;
 - (iv) method of piling from barges and from land (all piles should be installed using the same method);
 - (v) method of piling through the remediation layers on the eastern side of Homebush Bay;
 - (vi) if necessary, consideration and justification of the need for temporary piles for load testing and process for installation and removal of piles;
 - (vii) weather conditions under which work will not commence or will cease;
 - (viii) how the number of vessels in Homebush Bay will be minimised;
 - (ix) definition of clean fill (ie. virgin excavated natural material (VENM) or other); and
 - (x) water treatment processes for water collected on site at eastern and western construction locations;
- (b) a **Construction Traffic, Pedestrian and Cyclist Management Sub-plan**, prepared in accordance with the Roads and Maritime Service's *QA Specification G10 – Control of Traffic and Traffic Control at Work Sites Manual* (2003) to manage disruptions to traffic movements as a result of construction traffic associated with the project. The sub-plan shall be developed in consultation with the relevant council and shall include, but not necessarily be limited to:
- (xi) identification of construction traffic routes and quantification of construction traffic volumes (including heavy vehicle/ spoil haulage) on these routes;
 - (xii) details of vehicle movements for construction sites and site compounds including parking, dedicated vehicle turning areas, and ingress and egress points;
 - (xiii) details of potential impacts to traffic on the existing road network, including intersection level of service and potential disruptions to pedestrians, public transport, parking, cyclists and property access;
 - (xiv) details of temporary and interim traffic arrangements to address potential impacts;
 - (xv) a response procedure for dealing with traffic incidents;
 - (xvi) mechanism for the monitoring, review and amendment of this sub-plan; and
 - (xvii) pedestrian and cyclist management methods.
- (c) a **Construction Flora and Fauna Management Sub-plan** to detail how construction impacts on ecology will be minimised and managed. The sub-plan shall be developed in consultation with OEH and shall include, but not necessarily be limited to:
- (i) details of pre-construction surveys undertaken by a suitably qualified and experienced ecologist;
 - (ii) details of general work practices and mitigation measures to be implemented during construction to minimise impacts on native fauna and native vegetation not proposed to be cleared as part of the project;
 - (iii) a procedure for dealing with unexpected EEC/ threatened species identified during construction including cessation of work and notification of OEH, determination of appropriate mitigation measures in consultation with OEH (including relevant re-location measures); and
 - (iv) mechanism for the monitoring, review and amendment of this sub-plan;
- (d) a **Construction Noise and Vibration Management Sub-plan** to detail how construction noise and vibration impacts will be minimised and managed. The sub-plan shall include, but not necessarily be limited to:
- (i) identification of nearest sensitive receptors and relevant construction noise and vibration goals applicable to the project;
 - (ii) identification of key noise and/or vibration generating construction activities (based on representative construction scenarios, including at ancillary facilities) that have the potential to impact on surrounding sensitive receivers including expected noise/ vibration levels;

- (iii) identification of feasible and reasonable measures proposed to be implemented to minimise construction noise and vibration impacts (including construction traffic noise impacts);
 - (iv) procedures for dealing with out-of-hour works in accordance with condition D6, including procedures for notifying the Director General concerning complaints received in relation to the extended hours approved under condition D6(d);
 - (v) procedures and mitigation measures to ensure relevant vibration and blasting criteria are achieved, including a suitable blast program, applicable buffer distances for vibration intensive works, use of low-vibration generating equipment/ vibration dampeners or alternative construction methodology, and pre- and post- construction dilapidation surveys of sensitive structures where blasting and/ or vibration is likely to result in damage to buildings and structures (including surveys being undertaken immediately following a monitored exceedence of the criteria);
 - (vi) procedures for notifying sensitive receivers of construction activities that are likely to affect their noise and vibration amenity, as well as procedures for dealing with and responding to noise complaints; and
 - (vii) a program for construction noise and vibration monitoring clearly indicating monitoring frequency, location, how the results of this monitoring would be recorded and, procedures to be followed where significant exceedences of relevant noise and vibration goals are detected;
- (e) a **Construction Soil and Water Quality Management Sub-plan** to manage surface and groundwater impacts during construction of the project. The sub-plan shall be developed in consultation with NOW and include, but not necessarily be limited to:
- (i) identification of potential sources of erosion and sedimentation, and water pollution (including those resulting from maintenance activities);
 - (ii) details of how construction activities would be managed and mitigated to minimise erosion and sedimentation consistent with condition D13;
 - (iii) where construction activities have the potential to impact on waterways or wetlands (through direct disturbance such as construction of waterway crossings or works in close proximity to waterways or wetlands), site specific mitigation measures to be implemented to minimise water quality, riparian and stream hydrology impacts as far as practicable, including measures to stabilise bed and/ or bank structures where feasible and reasonable, and to rehabilitate affected riparian vegetation to existing or better condition. The timing of rehabilitation of the waterways shall be identified in the sub-plan;
 - (iv) a contingency plan, consistent with the *Acid Sulfate Soils Manual*, to deal with the unexpected discovery of actual or potential acid sulfate soils, including procedures for the investigation, handling, treatment and management of such soils and water seepage;
 - (v) a tannin leachate management protocol to manage the stockpiling of mulch and use of cleared vegetation and mulch filters for erosion and sediment control;
 - (vi) a groundwater management strategy, including (but not necessarily limited to):
 - i. description and identification of groundwater resources (including depths of the water table and water quality) potentially affected by the project;
 - ii. identification of surrounding water supplies and groundwater dependant ecosystems and potential groundwater risks associated with the construction of the project on these groundwater users and ecosystems;
 - iii. measures to manage identified impacts on water table, flow regimes and quality and to groundwater users and ecosystems;
 - iv. groundwater inflow control, handling, treatment and disposal methods; and
 - v. a detailed monitoring plan to identify monitoring methods, locations, frequency, duration and analysis requirements.
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PART D – DURING CONSTRUCTION

Approved Plans to be On-site

- D1. A copy of the approved and certified plans, specifications and documents incorporating conditions of approval and certification shall be kept on the site at all times and shall be readily available for perusal by any officer of the Department, relevant Council or the Certifying Authority.

Site Notice

- D2. A site notice(s) shall be prominently displayed at the boundaries of the site for the purposes of informing the public of project details including, but not limited to the details of the Contractor, Certifying Authority and Structural Engineer. The notice(s) is to satisfy all but not be limited to, the following requirements:
- (a) Minimum dimensions of the notice are to measure 841mm x 594mm (A1) with any text on the notice to be a minimum of 30 point type size;
 - (b) The notice is to be durable and weatherproof and is to be displayed throughout the works period;
 - (c) The approved hours of work, the name of the site/project manager, the responsible managing company (if any), its address and 24 hour contact phone number for any inquiries, including construction/noise complaint are to be displayed on the site notice; and
 - (d) The notice(s) is to be mounted at eye level on the perimeter hoardings/fencing and is to state that unauthorised entry to the site is not permitted.

Contact Telephone Number

- D3. The Proponent shall ensure that the 24 hour contact telephone number is continually attended by a person with authority over the works for the duration of the development.

Air Quality Impacts

- D4. The Proponent shall employ feasible and reasonable measures (including cessation of relevant works, as appropriate) to ensure that the project is constructed in a manner that minimises dust generation, including wind-blown dust, traffic-generated dust, dust from stockpiles and material tracking from construction and ancillary facility sites onto public roads.

Noise and Vibration Impacts

Construction Hours

- D5. The Proponent shall only undertake construction activities associated with the project during the following standard construction hours:
- (a) 7:00am to 6:00pm Mondays to Fridays, inclusive; and
 - (b) 8:00am to 1:00pm Saturdays; and
 - (c) at no time on Sundays or public holidays.

Percussive, or impact pile driving, including but not limited to percussive sheet piling shall:

- (a) only be undertaken during the following construction hours:
 - (i) 8:00am to 5:00pm Mondays to Fridays, inclusive; and
 - (ii) 8:00am to 12:00pm Saturdays; and
 - (iii) at no time on Sundays or public holidays
 - (b) not be undertaken over a continuous period of more than three hours. "Continuous" includes any period during which there is less than a 60 minute respite between ceasing and recommencement.
- D6. Works outside of the standard construction hours identified in condition D5 may be undertaken in the following circumstances:
- (a) works that generate noise that is:
 - (i) no more than 5 dB(A) above rating background level at any residence; or
 - (ii) no more than the noise management levels specified in Table 3 of the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009) at other sensitive land uses; or

- (b) for delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or
- (c) where it is required in an emergency to avoid the loss of lives, property and/or to prevent environmental harm; or
- (d) construction works undertaken through sparsely populated areas (being those areas in which sensitive receptors are located greater than 200 metres away from the project boundary). In this case construction is permissible during the following hours: 6.00am to 6.00pm Monday to Friday and 7.00am to 4.00pm Saturdays and at no time on Sundays or public holidays. These works hours may be reviewed and/ or revoked by the Director General in consultation with the EPA in the case of excessive or unresolved noise complaints; or
- (e) with the approval of the Director General in accordance with condition D7.

D7. Construction activities (Out of Hours work) may be allowed to occur outside the construction hours specified in condition D5 with the prior written approval of the Director General. Requests for Out of Hours approval will be considered for construction activities which cannot be undertaken during the construction hours specified in condition D5 for technical or other justifiable reasons and will be considered on a case by case or activity-specific basis. Request for Out of Hours work must be accompanied by:

- (a) details of the nature and need for activities to be conducted during the varied construction hours;
- (b) written evidence to the EPA and the Director General that activities undertaken during the varied construction hours are justified, appropriate consultation with potentially affected receivers and notification of the relevant Council has been undertaken, issues raised have been addressed, and all feasible and reasonable mitigation measures have been put in place; and
- (c) evidence of consultation with the EPA on the proposed variation in standard construction hours.

Despite the above, Out of Hours work may also occur in accordance with an approved Construction Environment Management Plan or Construction Noise and Vibration Management Sub-plan for this project, where that plan provides a process for considering the above on a case by case or activity specific basis by the Proponent, including factors (a) to (c) above.

Construction Noise and Vibration Goals

- D8. The Proponent shall implement feasible and reasonable noise mitigation measures with the aim of achieving the construction noise management levels detailed in the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009) during construction activities. Any activities that could exceed the construction noise management levels shall be identified and managed in accordance with the Construction Noise and Vibration Management Sub-plan required under condition C17(d).
- D9. The Proponent shall implement all feasible and reasonable mitigation measures with the aim of achieving the following construction vibration goals:
 - (a) for structural damage, the vibration limits set out in the German Standard *DIN 4150-3: Structural Vibration - effects of vibration on structures*; and
 - (b) for human exposure, the acceptable vibration values set out in the *Environmental Noise Management Assessing Vibration: A Technical Guideline* (Department of Environment and Conservation, 2006).

Operational Noise Mitigation Review

- D10. Unless otherwise agreed by the Director General, within six months of commencing construction, the Proponent shall, prepare and submit for the approval of the Director General, a review of the operational noise mitigation measures proposed to be implemented for the project. The review shall:
 - (a) confirm the operational noise predictions of the project based on detailed design. This operational noise assessment shall be based on an appropriately calibrated noise model (which has incorporated additional noise monitoring, where necessary for calibration purposes).
 - (b) review the suitability of the operational noise mitigation measures identified in the documents listed under condition A1 to achieve the criteria outlined in the *Environmental Criteria for Road Traffic*

- Noise (Environment Protection Authority, 1999), based on the operational noise performance of the project predicted under (a) above; and
- (c) where necessary, investigate additional feasible and reasonable noise mitigation measures to achieve the criteria outlined in the *Environmental Criteria for Road Traffic Noise* (Environment Protection Authority, 1999).

Traffic Impacts

- D11. Any damage resulting from the use of the local roads identified in the Traffic and Pedestrian Management Sub-plan, by the project's heavy construction vehicles, aside from that resulting from normal wear and tear, shall be repaired at the cost of the Proponent, unless otherwise agreed by the relevant council.

Heritage Impacts

- D12. This approval does not allow the Proponent to destroy, modify or otherwise physically affect any heritage items or human remains as part of the project.

Sedimentation, Erosion and Water Impacts

- D13. Soil and water management measures consistent with *Managing Urban Stormwater - Soils and Construction Vols 1 and 2, 4th Edition* (Landcom, 2004) and *Managing Urban Stormwater Soils And Construction Vols 2A and 2D Main Road Construction* (Department of Environment and Climate Change, 2008) shall be employed during the construction of the project for erosion and sediment control.
- D14. Where available, and of appropriate chemical and biological quality, the Proponent shall use stormwater, recycled water or other water sources in preference to potable water for construction activities, including concrete mixing and dust control.
- D15. The Proponent shall ensure that any works in identified areas of acid sulphate soil risk are undertaken in accordance with the *Acid Sulfate Soil Manual* (Acid Sulfate Soil Management Advisory Committee, 1998).
- D16. All surface water and groundwater must be adequately treated prior to entering the stormwater system to protect the receiving water source quality.

Property Impacts

- D17. The Proponent shall construct the project in a manner that minimises impacts to private properties and other public or private structures (such as fences, utilities, services etc) along the project corridor. In the event that construction of the project results in direct or indirect damage to such property or structure, the Proponent shall arrange and fund repair of the damage to a standard comparable to that in existence prior to the damage occurring, unless otherwise agreed by the relevant property or utility owner.

Waste Management

- D18. The Proponent shall not cause, permit or allow waste generated outside the site to be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence under the *Protection of the Environment Operations Act 1997*, if such a licence is required in relation to that waste.
- D19. The Proponent shall maximise the reuse and/or recycling of waste materials generated on site as far as practicable, to minimise the need for treatment or disposal of those materials off site.
- D20. The Proponent shall ensure that liquid and/or non-liquid waste generated on the site is assessed and classified in accordance with *Waste Classification Guidelines* (Department of Environment and Climate Change, 2008) and where removed from the site is directed to a waste management facility lawfully permitted to accept the materials.

Hazards and Risks

- D21. The Proponent shall store and handle dangerous goods, as defined by the Australian Dangerous Goods Code, strictly in accordance with:
- (a) relevant Australian Standards;
 - (b) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and
 - (c) the *Environment Protection Manual for Authorised Officers: Bunding and Spill Management, Technical Bulletin* (Environment Protection Authority, 1997).

In the event of an inconsistency between the requirements listed from (a) to (c) above, the most stringent requirement shall prevail to the extent of the inconsistency.

Ancillary Facilities

- D22. Ancillary facilities should be located to avoid or minimise impacts on threatened species and endangered ecological communities and their habitats, and riparian zones.

- D23. The sites for ancillary facilities associated with the construction of the project shall:
- (a) be located more than 50 metres from a waterway;
 - (b) have ready access to the road network or direct access to the construction corridor;
 - (c) be located in areas of low ecological significance and require minimal clearing of native vegetation (not beyond that already required by the project);
 - (d) be located on relatively level land;
 - (e) be separated from the nearest residences by at least 200 metres (or at least 300 metres for a temporary batching plant);
 - (f) be above the 20 ARI flood level unless a contingency plan to manage flooding is prepared and implemented;
 - (g) not unreasonably affect the land use of adjacent properties;
 - (h) operate in accordance with the construction hours set out in condition D5 of this approval;
 - (i) provide sufficient area for the storage of raw materials to minimise, to the greatest extent practical, the number of deliveries required outside standard construction hours; and
 - (j) be located in areas of low heritage conservation significance (including identified Aboriginal cultural value) and not impact on heritage sites beyond those already impacted by the project.

- D24. Ancillary sites that do not meet the criteria set out under condition D23 of this approval shall be approved by the Director General prior to establishment. In obtaining this approval, the Proponent shall assess the ancillary facility against the criteria set out under condition D23 of this approval to demonstrate how the potential environmental impacts can be mitigated and managed to acceptable standards (including demonstrating consistency with project impacts identified in the documents listed under condition A1). Such assessment(s) can be submitted separately or as part of the Construction Environmental Management Plan required under condition C16 of this approval. The assessment shall include, but not necessarily be limited to:

- (a) a description of the ancillary facility, its components and the surrounding environment;
- (b) details on the activities to be carried out at the facility, including the hours of use and the storage of dangerous and hazardous goods;
- (c) an assessment of the environmental impacts on the site and the surrounding environment, including, but not limited to noise, vibration, air quality, traffic and access, flora and fauna, heritage and light spill;
- (d) details on the mitigation, monitoring and management procedures specific to the ancillary facility that would be implemented to minimise environmental impacts or, where this is not possible, feasible and reasonable measures to offset these impacts and an assessment of the adequacy of the mitigation or offsetting measures. This shall include consideration of restrictions on the hours of use or exclusion of certain activities;
- (e) details on the timing for the completion of activities at the ancillary facility and how the site will be decommissioned (including any necessary rehabilitation); and

(f) demonstrated overall consistency with the approved project.

D25. The Director General's approval is not required for minor ancillary facilities (e.g. lunch sheds, office sheds, and portable toilet facilities) that do not comply with the criteria set out in condition D23 of this approval and:

- (a) are located within an active construction zone within the approved project footprint; and
- (b) have been assessed by the Environmental Representative to be -
 - (i) of low amenity risk to surrounding residences, with consideration to matters such as noise and vibration impacts, traffic and access impacts, dust and odour impacts, and visual (including light spill) impacts, and
 - (ii) of low environmental risk in respect to waste management and impacts on flora and fauna, soil and water, and heritage; and

have environmental and amenity impacts that can be managed through the implementation of environmental measures detailed in the Construction Environmental Management Plan for the project.

PART E – PRIOR TO OPERATIONS

Operational Environmental Management Plan

- E1. The Proponent shall prepare and implement an Operational Environmental Management Plan for the project that details the environmental management framework, practices and procedures to be followed during its operation. The Plan shall be consistent with the Guideline for the Preparation of Environmental Management Plans (Department of Infrastructure, Planning and Natural Resources, 2004) and shall provide a clear environmental management framework for the operation of the project. The Plan shall be prepared in consultation with the relevant government agencies and include, but not necessarily be limited to:
- (a) a description of all relevant activities to be undertaken during operation of the project including an indication, where relevant, of stages of operation;
 - (b) statutory and other obligations that the Proponent is required to fulfil during operation including all approvals, consultations and agreements required from authorities and other stakeholders, and key legislation and policies;
 - (c) details of how the project's environmental performance will be monitored and reported and what actions will be taken to address identified adverse environmental impacts. In particular, the following environmental performance issues shall be addressed in the Plan -
 - (i) measures to monitor and maintain rehabilitated areas during the establishment phase and long term, and control the spread of weeds;
 - (ii) measures to monitor and maintain landscaping undertaken during establishment and over the long term;
 - (iii) measures to monitor and maintain the effectiveness of fauna management measures (if any);
 - (iv) measures to monitor and manage noise impacts;
 - (v) measures to monitor and manage traffic impacts in Wentworth Point and Rhodes;
 - (vi) measures to ensure that non-authorized vehicles do not utilise the bridge;
 - (vii) measures to monitor and minimise soil erosion and the discharge of sediment and other pollutants from drainage systems on receiving environments;
 - (viii) operational incident response during accidents and major spills;
 - (ix) procedures relating to the operation and management of gross pollutant traps and drainage systems; and
 - (x) procedures for dealing with ruptures in any recycled water pipeline.
 - (d) a description of the roles and responsibilities for all relevant employees involved in the operation of the project; and
 - (e) complaints handling procedures during operation.

The Plan shall be submitted for the Director General's approval no later than four weeks prior to the commencement of operation, or within such period as otherwise agreed by the Director General. Operation of the project shall not commence until written approval has been received from the Director General.

Nothing in this condition precludes the Proponent from updating an existing Operational Environment Management Plan to meet this requirement, providing the Operational Environment Management Plan demonstrates, to the satisfaction of the Director General, where the relevant conditions of this approval have been addressed.

Damage to Infrastructure

- E2. The cost of repairing any damage caused to Council or other Public Authority's assets in the vicinity of the subject site as a result of construction works associated with the approved development, is to be met in full by the Proponent prior to the commencement of operation.

Bus Operation Strategy

- E3. Prior to the commencement of bus operations on the Homebush Bay Bridge, the Proponent shall prepare a Bus Operation Strategy to the satisfaction of the Director General and in consultation with Auburn City Council, City of Canada Bay Council, SOPA, RMS and TNSW which shall:
- (a) maximise the opportunities to co-ordinate local bus routes with the project, through:
 - (i) a long term strategy to provide opportunities to extend existing bus services across the bridge, including the identification of potential bus routes that would utilise the bridge;
 - (ii) providing opportunities for new local bus routes to service the communities of Wentworth Point and Rhodes across the bridge; and
 - (iii) restricting use of the bridge for local bus services, and minimising use of the bridge for regional through traffic, including events services to Sydney Olympic Park;
 - (b) provide a high priority to the complementary timing of services to minimise transfer time between bus services using the bridge, bus services at the Rhodes transport interchange, and rail services at Rhodes station;
 - (c) include details of consultation with local bus operators.

Traffic Management

- E4. Prior to the commencement of operation, traffic management measures identified in accordance with condition C3 shall be implemented.

Post-Construction Dilapidation Report

- E5. The Proponent shall engage a suitably qualified person to prepare a post-construction dilapidation report at the completion of the construction works:
- (a) This report to ascertain whether the construction works created any structural damage to seawalls, cycleways, footpaths, roads, buildings and other utilities in the vicinity of the development.
 - (b) The report is to be submitted to the Certifying Authority. In ascertaining whether adverse structural damage has occurred to adjoining buildings, infrastructure and roads, the Certifying Authority must:
 - i. compare the post-construction dilapidation report with the pre-construction dilapidation report; and
 - ii. have written confirmation from the relevant authority that there is no adverse structural damage to their infrastructure and roads.
 - (c) The report shall be submitted to the satisfaction of the Certifying Authority and a copy is to be forwarded to City of Canada Bay Council, Auburn City Council, RMS and the Director General.
- E6. At completion of construction, the Proponent shall undertake road pavement deflection testing of the truck routes. If the deflection tests show an increase in deflection, the Proponent shall undertake pavement rehabilitation of the affected road pavements to achieve the pavement deflection that existing prior to the commencement of works.

External Lighting

- E7. External Lighting shall comply with AS4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting. Upon installation of lighting, but before it is finally commissioned, the Proponent shall submit to the Certifying Authority, in consultation with the relevant Council and RMS, evidence from an independent qualified practitioner demonstrating compliance in accordance with this condition.

Contaminated Land Management

- E8. The Proponent shall amend any Site Management Plan(s) issued under the *Contaminated Land Management Act 1997*. These must be approved by an NSW-accredited Contaminated Sites Auditor and submitted to the EPA for all land at Rhodes disturbed as part of the bridge construction.

PART F – DURING OPERATIONS

Bridge Restrictions

- F1. The bridge shall be limited to use by buses, emergency and maintenance vehicles (in the 'bus only' lanes), and cyclists and pedestrians (on the shared path). Private motor vehicles, including Hire Cars and Taxis are prohibited from using the 'bus only' lanes.

Advertising Signage

- F2. Advertising signage is not permitted to be displayed on any aspect of the bridge. This is to preserve the visual amenity of Rhodes and Wentworth foreshores.

Water Quality

- F3. All surface water and groundwater must be adequately treated prior to entering the stormwater system to protect the receiving water source quality.

Operational Noise

- F4. The Proponent shall undertake operational noise monitoring to compare actual noise performance of the project against noise performance predicted in the review of noise mitigation measures required by condition D10, and prepare an **Operational Noise Report** to document this monitoring. Monitoring is to be conducted at a time between one and three years following commencement of operation of the project. The Report shall include, but not necessarily be limited to:
- (a) noise monitoring to assess compliance with the operational noise levels predicted in the review of operational noise mitigation measures required under condition D10 and documents specified under condition A1 of this approval;
 - (b) a review of the operational noise levels in terms of criteria and noise goals established in the *Environmental Criteria for Road Traffic Noise* (Environment Protection Authority, 1999);
 - (c) methodology, location and frequency of noise monitoring undertaken, including monitoring sites at which project noise levels are ascertained, with specific reference to locations indicative of impacts on sensitive receivers;
 - (d) details of any complaints and enquiries received in relation to operational noise generated by the project between the date of commencement of operation and the date the report was prepared;
 - (e) any required recalibrations of the noise model taking into consideration factors such as actual traffic numbers and proportions;
 - (f) an assessment of the performance and effectiveness of applied noise mitigation measures together with a review and if necessary, reassessment of all feasible and reasonable mitigation measures; and
 - (g) identification of additional feasible and reasonable measures to those identified in the review of noise mitigation measures required by condition D10, that would be implemented with the objective of meeting the criteria outlined in the *Environmental Criteria for Road Traffic Noise* (Environment Protection Authority, 1999), when these measures would be implemented and how their effectiveness would be measured and reported to the Director General and the EPA.

The Proponent shall provide the Director General with a copy of the Operational Noise Report within 60 days of completing the operational noise monitoring referred to in (a) above or as otherwise agreed by the Director General.
