

Sydney Opera House

EPBC Approval 2016/7825 Annual Compliance Report Period: 26 June 2017 to 25 June 2018

Report Date: 26 September 2018



1. Declaration of accuracy

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed:



Full name: **Ian Cashen**

Position: **Director, Building, Safety and Security**

Organisation: **Sydney Opera House (ABN: 69 712 101 035)**

Date: **26/09/2018**

2. Document Version Control

Date	Version	Prepared by	Approved by	Filename/path
26 Sept 2018	2018 Final	Peter Doyle	Ian Cashen	L:\SOH\Projects\Capital Works\00 Master Renewal\01 PLANNING\08 Development Applications\EPBC\Issue 1- SAVE,EF,FC,BRR\11 Annual Reports\2018 Annual Report\20180926%20EPBC%20Annual%20Report%20FINAL.pdf

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4. Description of Activities

4.1. EPBC Number:

2016/7825

4.2. Project Name:

Sydney Opera House Building Renewal Program

4.3. Approval Holder:

Sydney Opera House

4.4. Approval Holder ABN:

69 712 101 035

4.5. Approved Action:

To undertake part of the Sydney Opera House Building Renewal Program, Sydney, NSW. The package of works is for operational enhancements, accessibility upgrades and improved work, health and safety standards in the Joan Sutherland Theatre, Entry Foyer and Function Centre.

4.6. Location of the Project:

2 Circular Quay East, Bennelong Point, Sydney.

Lot 4 DP 787933 and Lot 5 DP 775888

4.7. Reporting Period:

26 June 2017 to 25 June 2018

4.8. Report Date:

26 September 2018

4.9. Activities during Current Period:

During the reporting period, Safety, Accessibility and Venue Enhancement works (SAVE) were undertaken in the Joan Sutherland Theatre (JST). At the time of this report, some residual works remain to commission the accessible pathway to the Northern Foyer of the JST, including the new lift servicing all levels of the JST

Northern Foyer.

The new Ballet Rehearsal Room was constructed and opened for use during the reporting period.

Construction of the new Function Centre, within the north eastern part of the Podium commenced during the period, and the marquee (previously used as a function venue) on the Northern Broadwalk has been deconstructed and removed.

The New Office Accommodation project, and the Entry Foyer project were not commenced during the reporting period. Works in the Entry Foyer project have commenced after the reporting period and prior to the date of this report.

5. Compliance Table

Condition Number	Condition	Is the project compliant with this condition? Compliant/ Non-Compliant/ Not applicable	Evidence/Comments
1)	To minimise the impacts of the action on protected matters, the person taking the action must implement conditions of the approval granted for SSD16_7665 under the <i>Environmental Planning & Assessment Act 1979</i> (NSW) as in force or existing from time to time, where those conditions relate to managing, mitigating, avoiding, recording or reporting on impacts to protected matters: <i>A5. This consent in no way implies approval for the provision of two new slot windows along the eastern facade of the Sydney Opera House Building to provide natural light and amenity for the office accommodation.</i>	Compliant	The slot windows have been removed from the project scope.
	<i>A6. The use of the LED screen in the Upton Bar and Lounge for advertising at any time is prohibited.</i>	Compliant	The Content Management System which controls content displayed on screens throughout the SOH allows only two curated pieces to be shown on that screen, and these do not include advertising.
	<i>A7. This consent includes the provision of temporary box office and cloakroom facilities to be located on the vehicle concourse and used for the duration of the construction works.</i>	Not applicable	The temporary facilities were not implemented during the period.
	<i>B3. Prior to the certification of Crown Building Works, a suitably qualified and experienced heritage consultant must be engaged to:</i> a) <i>Inspect the demolition and removal of material to ensure there is no unapproved removal of significant fabric or elements; and</i> b) <i>Provide ongoing advice to tradespeople undertaking the works throughout the construction period.</i>	Compliant	Design 5 Architects (Alan Croker, Sydney Opera House Heritage Architect) were engaged by the SOH on 31 May 2017. (See Appendix 3) Design 5 has undertaken regular inspections throughout the construction activities and provided ongoing advice to tradespeople.
	<i>B10. Prior to the certification of Crown Building Works, a photographic archival record of all areas undergoing works must be prepared in accordance with the document <i>How to Prepare Archival Records</i> by the Heritage Council of NSW, and submitted to the Heritage Council and the Department.</i>	Compliant	Completed by Evolving Picture. Copies were issued to the NSW Heritage Council and NSW Department of Planning & Environment on 24 April 2017.
	<i>C6. Vibration caused by construction at any residence or structure outside the subject site must be limited to:</i> a) <i>for structural damage vibration to buildings (excluding heritage buildings), British Standard BS 7385 Part 2-1993 Evaluation and Measurement for Vibration in Buildings;</i> b) <i>for structural damage vibration to heritage buildings, German Standard DIN 4150 Part 3 Structural Vibration in Buildings Effects on Structure; and</i> c) <i>for human exposure to vibration, the evaluation criteria presented in British Standard BS 6472- Guide to Evaluate Human Exposure to Vibration in Buildings (1Hz to 80Hz) for low probability of adverse comment.</i>	Compliant	This was covered in Laing O'Rourke Australia Construction (LORAC) Construction Noise & Vibration Management Plan 9 May 2017.
	<i>C7. All significant building fabric and building elements are to be protected during the works from potential damage. Protection systems must ensure historic fabric is not damaged or removed.</i>	Compliant	Protection systems periodically checked with site walks and Design 5 inspections. The need to protect significant building fabric is also covered in contractor site inductions.
	<i>C8. The installation of new services shall be carried out in such a manner as to minimise damage to, or removal of, significant fabric.</i>	Compliant	LORAC confirmed compliance in their Crown Certificate (CC) documentation. See Appendix 4.
	<i>C9. The steps and associated handrails required to be removed for the escalator installation are to be carefully removed, catalogued, safely stored and able to be readily reinstated.</i>	Not applicable	The escalators component of the project was not commenced during the reporting period.
	<i>C10. Any significant internal building fabric and elements approved to be removed are to be carefully removed, catalogued, safely stored and able to be readily reinstated, including the white birch 'wobbly' panels and door hardware.</i>	Compliant	Schedule of existing affected fabric prepared by Design 5 Architects. Significant items stored at Leichhardt.
	<i>C18. The following hoarding requirements shall be complied with:</i> a) <i>no third party advertising is permitted to be displayed on the subject hoarding/fencing; and</i> b) <i>the construction site manager shall be responsible for the removal of all graffiti from any construction hoarding/fencing or the like within the construction area within 48 hours of its application.</i>	Compliant	LORAC confirmed compliance in their CC cover letter.

2)	To minimise the impacts of the action on protected matters, the person taking the action must notify the Department in writing of any proposed change to the conditions of the State Government approval for which Condition 1 applies, if those changes relate to managing, mitigating, avoiding, recording or reporting on impacts to protected matters. This notification must be provided no later than 2 weeks after: formally proposing such a variation in writing; or becoming aware of the State Government proposing a change.	Not applicable	There has been no modification of the SSD consents for these works during the reporting period. An application has been made to modify SSD16_7665 to provide for the construction of a thrust block for the Utzon Escalators. This modification application is being processed at the time of writing and no changes to the approval conditions have been proposed at this time.
3)	<p>To minimise the impacts of the action on protected matters, the person taking the action must resolve the following:</p> <ol style="list-style-type: none"> i. Final expression of cuts through cranked beams and stairs for the new accessible passageway on Level 3 of the Joan Sutherland Theatre. ii. Signage, LED screens, handrails and escalator finishes. iii. Final design of lifts at each level of the building in relation to heritage fabric. iv. Dimensions and finishes of the Function Centre internal wall openings. v. Final designs of any other currently unresolved detailing. vi. Advise how the design finishes are consistent with Utzon's colour palette and Peter Hall's original interior fitout. <p>Prior to commencement of each element, the person taking the action must notify the Department in writing of the final designs and that the design finishes have been supported in writing by: the Eminent Architects Panel, Sydney Opera House Heritage Architect and Conservation Council.</p>	Compliant	<p>JST SAVE Project: Notice was sent to the DEE 26 June 2017. The notice included the following attachments:</p> <ul style="list-style-type: none"> • Attachment 1- Signage documentation • Attachment 2- Handrail documentation • Attachment 3- Final Lift Design for lift 31 & 36 • Attachment 4- Design 5 design finishes statement & advise on the Utzon colour palette and Peter Hall's original interior fit out • Attachment 5- Eminent Architects Panel design finishes statement • Attachment 6- Conservation Council design finishes statement <p>Ballet Rehearsal Room Project: Notice was sent to the DEE 24 August 2017. The notice included the following attachments:</p> <ul style="list-style-type: none"> • Attachment 1- Signage documentation • Attachment 2- Ballet Rehearsal Room Documentation • Attachment 3- Design 5 design finishes statement & advise on the Utzon colour palette and Peter Hall's original interior fit out • Attachment 4- Eminent Architects Panel design finishes statement • Attachment 5- Conservation Council design finishes statement <p>Function Centre Project: Notice was sent to the DEE 13 February 2018. The notice included the following attachments:</p> <ul style="list-style-type: none"> • Attachment 1- Signage documentation • Attachment 2- Function Centre Documentation • Attachment 3- Design 5 design finishes statement & advise on the Dimensions and finishes of the Function Centre wall openings & Utzon colour palette and Peter Hall's original interior fit out • Attachment 4- Eminent Architects Panel design finishes statement • Attachment 5- Conservation Council design finishes statement • Attachment 6 – Approved Renewal Interpretation Strategy <p>(Copies of notification letters included in Appendix 5)</p>
4)	<p>To minimise the impacts of the action on protected matters, the person taking the action must, within 6 months of commencement of the action, submit for the Minister's approval, a five (5) year Heritage Interpretation Strategy for the interpretation of the architectural history of the Sydney Opera House and its World and National Heritage values. The Heritage Interpretation Strategy must include:</p> <ol style="list-style-type: none"> i. A commitment to display information about the evolution of the design and fabric of the building, including through the building renewal program, in publicly accessible areas. ii. Information to be displayed, including photographs of the relevant elements of the action in their original context alongside the proposed modifications, in particular any works affecting the original Peter Hall fitout that will be removed. The photographic recording must be undertaken in accordance with the Photographic Recording of Heritage Items Using Film or Digital Capture (2006) guidelines issued by the New South Wales Heritage Office. iii. Presentation of biographical details of Jorn Utzon and Peter Hall and a description of their roles and vision for the design and construction of the Sydney Opera House. iv. Provision for permanent information accessible through the Sydney Opera House website as an online archival record of the building and the renewal program. v. A timeline for the implementation of the interpretation works. <p>The Heritage Interpretation Strategy must be implemented once it has been approved by the Minister. Commencement of the Function Centre cannot begin until the Minister has approved the Heritage Interpretation Strategy.</p>	Compliant	<p>The Renewal Interpretation Strategy was approved by Minister's delegate 21 December 2017. (refer Appendix 6)</p> <p>The Function Centre works commenced on 5 February 2018 (refer Appendix 5).</p>
5)	To minimise the impacts of the action on protected matters, the person taking the action must, prior to commencement of the action, and until completion of construction, publicly display content about the building renewal program on construction fencing / hoarding.	Compliant	Hoardings are being used onsite to communicate conservation and building Renewal info and key messages and to facilitate visitor navigation during construction. Refer Appendix 7.

6)	To minimise the impacts of the action on protected matters, the person taking the action must, during construction, publicly display photographic exhibitions of the building renewal program on at least two occasions on the Western Broadwalk. Details of the exhibitions must be included in the Heritage Interpretation Strategy.	Not applicable	Renewal Interpretation Strategy includes the following action: Install temporary photographic exhibitions on the Western Broadwalk or other temporary exhibition space on a minimum of two occasions, in conjunction with Renewal works milestones and other key events. For example World Monuments and Sites Day in April 2018 and ICOMOS General Assembly in November 2020. This action to take place in the timeframe 2018-2022. (Refer to Renewal Interpretation Strategy Action Plan Update – Appendix 8)
7)	Within 20 business days after the commencement of the action, the person taking the action must advise the Department in writing of the actual date of commencement.	Compliant	See Condition 3 above and Appendix 5. Notification letters have been sent to the DEE at the commencement of each project.
8)	The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the Heritage Interpretation Strategy required by this approval, and make them available to the Department upon request. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	Compliant	SOH maintains compliance registers for SSD and EPBC approvals. Heritage Interpretation Strategy status reports are presented quarterly to the Sydney Opera House Executive Team and the Conservation Council.
9)	Within three months of every 12 month anniversary of the commencement of the action, the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the Department at the same time as the compliance report is published.	Compliant	Report published on SOH website: https://www.sydneyoperahouse.com/our-story/Renewal/approvals/compliance-report-guidelines.html ; 26 September 2018 Report sent to DEE 26 September 2018
10)	The person taking the action may choose to revise the Heritage Interpretation Strategy approved by the Minister under Condition 4 without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised Heritage Interpretation Strategy would not be likely to have a new or increased impact. If the person taking the action makes this choice they must: <ul style="list-style-type: none"> i. Notify the Department in writing that the approved Heritage Interpretation Strategy has been revised and provide the Department with an electronic copy of the revised Heritage Interpretation Strategy; ii. Implement the revised Heritage Interpretation Strategy from the date that the Heritage Interpretation Strategy is submitted to the Department; and iii. For the life of this approval, maintain a record of the reasons the approval holder considers that taking the action in accordance with the Heritage Interpretation Strategy would not be likely to have a new or increased impact. 	Not applicable	
10A)	The person taking the action may revoke their choice under Condition 10 at any time by notice to the Department. If the person taking the action revokes the choice to implement the Heritage Interpretation Strategy, without approval under section 143A of the EPBC Act, the Heritage Interpretation Strategy approved by the Minister must be implemented.	Not applicable	
10B)	If the Minister gives a notice to the person taking the action that the Minister is satisfied that the taking of the action in accordance with the Heritage Interpretation Strategy would be likely to have a new or increased impact, then: <ul style="list-style-type: none"> i. Condition 10 does not apply, or ceases to apply, in relation to the revised Heritage Interpretation Strategy; and ii. The person taking the action must implement the Heritage Interpretation Strategy approved by the Minister. To avoid any doubt, this condition does not affect any operation of Conditions 10 and 10A, in the period before the day the notice is given. At the time of giving the notice the Minister may also notify that for a specified period of time that Condition 10 does not apply for the Heritage Interpretation Strategy required under the approval.	Not applicable	
10C)	Conditions 10, 10A and 10B are not intended to limit the operation of section 143A of the EPBC Act, which allows the person taking the action to submit a Heritage Interpretation Strategy to the Minister for approval.	Not applicable	
11)	If, at any time after 10 years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence the action without the written agreement of the Minister.	Not applicable	Action substantially commenced as per Condition 7 above.

12)	Unless otherwise agreed to in writing by the Minister, the person taking the action must publish the Heritage Interpretation Strategy referred to in these conditions of approval on their website. The Heritage Interpretation Strategy must be published on the website within 1 month of being approved by the Minister or being submitted under Condition 10i.	Compliant	The strategy is available on SOH's website https://www.sydneyoperahouse.com/our-story/Renewal/renewal-interpretation-strategy.html
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6. Non-compliances

Nil to report.

7. New Environmental Risks

No new environmental risks to report.

Appendix 1 - EPBC 2016/7825 Approval



Approval

Sydney Opera House Building Renewal Program - Safety, Accessibility and Venue Enhancements (EPBC 2016/7825)

This decision is made under sections 130(1) and 133 of the *Environment Protection and Biodiversity Conservation Act 1999*.

Proposed action

person to whom the approval is granted Sydney Opera House

proponent's ABN ABN: 69 712 101 035

proposed action To undertake part of the Sydney Opera House Building Renewal Program, Sydney, NSW. The package of works is for operational enhancements, accessibility upgrades and improved work, health and safety standards in the Joan Sutherland Theatre, Entry Foyer and Function Centre.

[See EPBC Act referral 2016/7825, and request for variation received 3 March 2017 and accepted 14 March 2017].

Approval decision

Controlling Provision	Decision
World Heritage properties (sections 12 & 15A)	Approve
National Heritage places (sections 15B & 15C)	Approve

conditions of approval

This approval is subject to the conditions specified below.

expiry date of approval

This approval has effect until 31 May 2027.

Decision-maker

name and position Kim Farrant
Assistant Secretary
Assessments (NSW, ACT) and Fuel Branch

- ii. Information to be displayed, including photographs of the relevant elements of the action in their original context alongside the proposed modifications, in particular any works affecting the original Peter Hall fitout that will be removed. The photographic recording must be undertaken in accordance with the *Photographic Recording of Heritage Items Using Film or Digital Capture (2006)* guidelines issued by the New South Wales Heritage Office.
- iii. Presentation of biographical details of Jorn Utzon and Peter Hall and a description of their roles and vision for the design and construction of the Sydney Opera House.
- iv. Provision for permanent information accessible through the Sydney Opera House website as an online archival record of the building and the renewal program.
- v. A timeline for the implementation of the interpretation works.

The Heritage Interpretation Strategy must be implemented once it has been approved by the **Minister**. **Commencement** of the Function Centre cannot begin until the **Minister** has approved the Heritage Interpretation Strategy.

- 5) To minimise the impacts of the action on **protected matters**, the person taking the action must, prior to **commencement** of the action, and until completion of construction, publicly display content about the building renewal program on construction fencing / hoarding.
- 6) To minimise the impacts of the action on **protected matters**, the person taking the action must, during construction, publicly display photographic exhibitions of the building renewal program on at least two occasions on the Western Broadwalk. Details of the exhibitions must be included in the Heritage Interpretation Strategy.
- 7) Within 20 business days after the **commencement** of the action, the person taking the action must advise the **Department** in writing of the actual date of **commencement**.
- 8) The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the Heritage Interpretation Strategy required by this approval, and make them available to the **Department** upon request. Such records may be subject to audit by the **Department** or an independent auditor in accordance with section 458 of the **EPBC Act**, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the **Department's** website. The results of audits may also be publicised through the general media.
- 9) Within three months of every 12 month anniversary of the **commencement** of the action, the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the **Department** at the same time as the compliance report is published.
- 10) The person taking the action may choose to revise the Heritage Interpretation Strategy approved by the **Minister** under Condition 4 without submitting it for approval under section 143A of the **EPBC Act**, if the taking of the action in accordance with the revised Heritage Interpretation Strategy would not be likely to have a new or increased impact. If the person taking the action makes this choice they must:

- i. Notify the **Department** in writing that the approved Heritage Interpretation Strategy has been revised and provide the **Department** with an electronic copy of the revised Heritage Interpretation Strategy;
- ii. Implement the revised Heritage Interpretation Strategy from the date that the Heritage Interpretation Strategy is submitted to the **Department**; and
- iii. For the life of this approval, maintain a record of the reasons the approval holder considers that taking the action in accordance with the Heritage Interpretation Strategy would not be likely to have a new or increased impact.

10A) The person taking the action may revoke their choice under Condition 10 at any time by notice to the **Department**. If the person taking the action revokes the choice to implement the Heritage Interpretation Strategy, without approval under section 143A of the **EPBC Act**, the Heritage Interpretation Strategy approved by the **Minister** must be implemented.

10B) If the **Minister** gives a notice to the person taking the action that the **Minister** is satisfied that the taking of the action in accordance with the Heritage Interpretation Strategy would be likely to have a new or increased impact, then:

- i. Condition 10 does not apply, or ceases to apply, in relation to the revised Heritage Interpretation Strategy; and
- ii. The person taking the action must implement the Heritage Interpretation Strategy approved by the **Minister**.

To avoid any doubt, this condition does not affect any operation of Conditions 10 and 10A, in the period before the day the notice is given.

At the time of giving the notice the **Minister** may also notify that for a specified period of time that Condition 10 does not apply for the Heritage Interpretation Strategy required under the approval.

10C) Conditions 10, 10A and 10B are not intended to limit the operation of section 143A of the **EPBC Act**, which allows the person taking the action to submit a Heritage Interpretation Strategy to the **Minister** for approval.

11) If, at any time after 10 years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence the action without the written agreement of the **Minister**.

12) Unless otherwise agreed to in writing by the **Minister**, the person taking the action must publish the Heritage Interpretation Strategy referred to in these conditions of approval on their website. The Heritage Interpretation Strategy must be published on the website within 1 month of being approved by the **Minister** or being submitted under Condition 10i.

Definitions:

Commencement: the first instance of an activity. In relation to the action, it includes any demolition, construction or interior refurbishment associated with the action, excluding the erection of exterior hoardings, fences or signs and the conduct of heritage, environmental or other low impact surveys.

Commencement of each element: the elements of the action are defined as:

- Joan Sutherland Theatre projects, including the Follow Spot Room; safety curtain; accessibility projects (seating, Lift 31, Northern Foyer level 2 access, stage to auditorium access); dressing room upgrades; and sanitary facilities.
- Ballet Rehearsal Room
- Entry Foyer, including Lift 36
- Entry Foyer escalator
- Function Centre
- Joan Sutherland Theatre Northern Foyer level 3 access
- Eastern Accommodation

The **Department:** the Australian Government department responsible for administration of the **EPBC Act**.

The **EPBC Act:** the *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*.

The **Minister:** the Australian Government minister responsible for administering the **EPBC Act** or any nominated delegate.

Interpretation: means an action, activity, tool, technique or technology used to present and enhance understanding of an item or place's heritage and cultural significance. Interpretation may include, but is not limited to, a combination of the treatment and fabric of the item; the use of the item; and the use of interpretive media, such as events, activities, signs and publications.

Protected Matter/s: the World Heritage property and National Heritage place protected under the provisions of the EPBC Act for which this approval has effect.

The **Eminent Architects Panel; Sydney Opera House Heritage Architect;** and the **Conservation Council:** the advisory groups responsible for providing conservation and heritage advice to the person proposing to take the action.

Appendix 2 - SSD16_7665 Consent

Development consent

Section 89E of the *Environmental Planning and Assessment Act 1979*

I grant consent to the development 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 including economic and social impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the development.

Anthony Roberts
Minister for Planning

Sydney

24/5/

2017

SCHEDULE 1

Application No.:	SSD 7665
Applicant:	The Sydney Opera House Trust
Consent Authority:	Minister for Planning
Land:	2 Circular Quay East, Bennelong Point, Sydney. Lot 4 DP 787933 and Lot 5 DP 775888
Development:	Safety, accessibility and venue enhancement works to the Joan Sutherland Theatre, new office accommodation, and entry foyer refurbishment works at the Sydney Opera House.

DEFINITIONS

Advisory Notes	Advisory information relating to the consent but do not form a part of this consent
Applicant	The Sydney Opera House Trust
Application	The development application and the accompanying drawings plans and documentation described in Condition A2
AS	Australian Standard
Construction	Any works, including earth and building works
Council	City of Sydney Council
Certification of Crown Building works	Certification under section 109R of the EP&A Act
Certifying Authority	Means a person who is authorised by or under section 109D of the EP&A Act to issue a construction certificate under Part 4A of the EP&A Act; or in the case of Crown development, a person qualified to conduct a Certification of Crown Building works
Day time	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
Department	Department of Planning and Environment or its successors
Evening	The period from 6pm to 10pm
EIS	Environmental Impact Statement entitled ' <i>Sydney Opera House Building Renewal Safety, Accessibility and Venue Enhancement Works and Entry Foyer Refurbishment</i> ', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated September 2016.
EPA	Environment Protection Authority, or its successor
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation or Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
Heritage Council	Heritage Council of NSW
Minister	Minister for Planning, or nominee
NCC	National Construction Code 2016
Night time	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
OEH	Office of the Environment and Heritage, or its successor
Reasonable and Feasible	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements. Feasible relates to engineering considerations and what is practical to build.
RtS	Response to Submissions entitled ' <i>Sydney Opera House Building Renewal Program Safety, Accessibility, and Venue Enhancement Works and Entry Foyer Refurbishment (SSD 7665)</i> ', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated 3 February 2017.
RMS	Roads and Maritime Services Division, Department of Transport, or its successor
Secretary	Secretary of the Department of Planning and Environment, or nominee/delegate
Sensitive receiver	Residence, education institution (e.g. school, university, TAFE college), health care facility (e.g. nursing home, hospital), religious facility (e.g. church) and children's day care facility.
SOH	Sydney Opera House
Standard Construction Hours	Standard construction hours recommended in Table 1 Chapter 2 of the <i>Interim Construction Noise Guideline, July 2009 (ICNG)</i>
Subject Site	2 Circular Quay East, Bennelong Point, Sydney (Lot 4 DP 787933 and Lot 5 DP 775888)

SCHEDULE 2

PART A ADMINISTRATIVE CONDITIONS

Terms of Consent

A1. The Applicant, in acting on this consent, must carry out the development:

- a) generally in accordance with the Environmental Impact Statement entitled 'Sydney Opera House Building Renewal Safety, Accessibility and Venue Enhancement Works and Entry Foyer Refurbishment', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated September 2016;
- b) generally in accordance with the Response to Submissions entitled 'Sydney Opera House Building Renewal Program Safety, Accessibility, and Venue Enhancement Works and Entry Foyer Refurbishment (SSD 7665)', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated 3 February 2017;
- c) in compliance with the conditions of this consent; and
- d) the following drawings:

Works to the Joan Sutherland Theatre			
Architectural (or Design) Drawings prepared by Scott Carver			
Sheet No.	Revision	Name of Plan	Date
DA000	C	Cover Sheet	4/8/2016
DA001	B	Material Board	2/8/2016
DA011	B	Overall Demolition Plan – L1 + 30	2/8/2016
DA012	B	Overall Demolition Plan – L2 + 42	2/8/2016
DA013	B	Overall Demolition Plan – L3 + 51	2/8/2016
DA014	B	Overall Demolition Plan – L4 + 61	2/8/2016
DA109	B	Overall Proposed Works Plan – GR + 12	2/8/2016
DA110	B	Overall Proposed Works Plan – GM + 21	2/8/2016
DA111	B	Overall Proposed Works Plan – L1 + 30	2/8/2016
DA112	C	Overall Proposed Works Plan – L2 + 42	4/8/2016
DA113	B	Overall Proposed Works Plan – L3 + 51	2/8/2016
DA114	B	Overall Proposed Works Plan – L4 + 61	2/8/2016
DA130	C	JST Northern Foyer Access – L2 Passage	4/8/2016
DA135	B	JST Northern Foyers (W) – L2 Passage Demolition Sections – Sheet 1	2/8/2016
DA136	B	JST Northern Foyers (W) – L2 Passage Demolition Sections – Sheet 2	2/8/2016
DA137	C	JST Northern Foyers (W) – L2 Passage New Works Sections – Sheet 1	4/8/2016
DA138	C	JST Northern Foyers (W) – L2 Passage New Works Sections – Sheet 2	4/8/2016
DA150	B	Dressing Room	2/8/2016
DA151	B	Dressing Room – Demolition & Proposed Plans	2/8/2016
DA160	B	Orchestra Pit Access	2/8/2016
DA166	B	Orchestra Pit Access – Demolition & Proposed Plans (L1)	2/8/2016
DA170	B	Toilets	2/8/2016

DA171	B	Toilets (E/W) – Demolition & Proposed Plans	2/8/2016
DA180	B	Seating Upgrade	2/8/2016
DA181	B	Seating Upgrade – Demolition Plan	2/8/2016
DA182	C	Seating Upgrade – Proposed Works	4/8/2016
DA183	B	Seating Upgrade – Proposed L2 Section	2/8/2016
DA184	B	Seating Upgrade – Modular Wheelchair Platform	2/8/2016
DA185	B	Seating Upgrade – Modular Wheelchair Platform Detail	2/8/2016
DA240	B	JST Northern Foyer Access – L3 Passage	2/8/2016
DA244	B	JST Northern Foyers (W) Passages – Demolition Plans (L2 – L4)	2/8/2016
DA246	C	JST Northern Foyers (W) Passages – Proposed Plans (L2 – L4)	4/8/2016
DA247	B	JST Northern Foyers (W) Passages – Sections	2/8/2016
DA250	B	Lift 31	2/8/2016
DA252	C	Lift 31 – Proposed Plans (L1-L2)	4/8/2016
DA253	B	Lift 31 – Proposed Plans (L3-L4)	2/8/2016
DA254	B	Lift 31 – Proposed Sections	2/8/2016
DA256	B	Lift 31 – Glazing Elevations – Demolition	2/8/2016
DA257	B	Lift 31 – Glazing Elevations – Proposed	2/8/2016
DA449	C	JST Follow Spot Room – Cover Sheet	13/1/2017
DA450	C	Existing Follow Spot Room – Layout	13/1/2017
DA451	C	Follow Spot Room – Layout	13/1/2017
DA452	C	Follow Spot Room – Sections	13/1/2017
DA453	C	Follow Spot Room – Details 1	13/1/2017
DA454	C	Follow Spot Room – Details 2	13/1/2017
931	B	Safety Curtain @ Proscenium	8/7/2016

New Office Accommodation			
Architectural (or Design) Drawings prepared by Tonkin Zulaikha Greer Architects			
Sheet No.	Revision	Name of Plan	Date
A-0000	B	Cover Page	5/11/2016
A-0001	B	Location Plan	5/11/2016
A-0101	B	Demolition Ground Floor Plan (+12)	5/11/2016
A-0102	B	Demolition Mezzanine Plan (+21)	5/11/2016
A-1001	B	Proposed Ground Floor Plan (+12)	5/11/2016
A-1002	B	Proposed Mezzanine Plan (+21)	5/11/2016
A-1201	B	Proposed Ground Floor RCP (+12)	5/11/2016
A-1202	B	Proposed Mezzanine RCP (+21)	5/11/2016
A-2001	B	Sections 01	5/11/2016
A-2002	B	Sections 02	5/11/2016
A-3001	B	East Elevation	5/11/2016
A-6001	B	Lift 03 – Function Centre and Offices	5/11/2016
A-9001	A	Finishes	August 2016

Entry Foyer Refurbishment Works			
Architectural (or Design) Drawings prepared by Tonkin Zulaikha Greer Architects			
Sheet No.	Revision	Name of Plan	Date
A-0000	A	Cover Page	2/8/2016
A-0001	A	Location Plan (+30)	2/8/2016
A-0101	A	Demolition Level 1 Plan (+30)	2/8/2016
A-1001	A	Proposed Ground Floor Plan (+12)	2/8/2016
A-1002	A	Proposed Level 1 Plan (+30)	2/8/2016
A-1003	A	Proposed Level 2 Plan (+42)	2/8/2016
A-1201	A	Proposed Level 1 RCP (+30)	2/8/2016
A-2001	A	Wall Elevations 01	2/8/2016
A-2002	A	Wall Elevations 02	2/8/2016
A-2003	A	Wall Elevations 03	2/8/2016
A-6001	A	Utzon Escalator Detail Plans	2/8/2016
A-6002	A	Utzon Escalator Detail Sections	2/8/2016
A-6003	A	Lift 36 Plans GR +21 and L1 +30	2/8/2016
A-6004	A	Lift 36 Plans L2 (+42) and Roof (+51)	2/8/2016
A-9001	A	Finishes + Product Information	2/8/2016

Temporary Box Office Facilities			
Drawing prepared by Event Tops			
Sheet No.	Revision	Name of Plan	Date
V1	-	Vehicle Concourse	-

- A2. If there is any inconsistency between the documents in Condition A1, the most recent document shall prevail to the extent of the inconsistency. However, conditions of this consent prevail to the extent of any inconsistency.
- A3. The Applicant must comply with any reasonable requirements of the Secretary arising from the Department's assessment of:
- any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent; and
 - the implementation of any actions or measures contained in these documents.

Limits on Consent

- A4. This consent will lapse five years from the date of consent unless the works associated with the development have physically commenced.
- A5. This consent in no way implies approval for the provision of two new slot windows along the eastern façade of the Sydney Opera House Building to provide natural light and amenity for the office accommodation.
- A6. The use of the LED screen in the Utzon Bar and Lounge for advertising at any time is prohibited.
- A7. This consent includes the provision of temporary box office and cloakroom facilities to be located on the vehicle concourse and used for the duration of the construction works.

Interpretation Strategy

- A8. Within six months from the date of consent, the Applicant shall submit to the Department, an Interpretation Strategy for the interpretation of the original 'Curtain of the Sun' tapestry by John Coburn. The Interpretations Strategy shall be informed by the Conservation Management Plan for the Sydney Opera House, shall be prepared in

consultation with the Nominated Heritage Architect (Condition B3), and shall include, but not be limited to, the following:

- a) the type of interpretation that will occur;
- b) the location of the interpretative piece;
- c) the estimated construction/installation date; and
- d) schedule of works.

National Construction Code Compliance

A9. The proposed works shall comply with the applicable performance requirements of the National Construction Code so as to achieve and maintain acceptable standards of structural sufficiency, safety (including fire safety), health and amenity for the ongoing benefit of the community. Compliance with the performance requirements can only be achieved by:

- a) complying with the deemed to satisfy provisions; or
- b) formulating an alternative solution which:
 - i) complies with the performance requirements; or
 - ii) is shown to be at least equivalent to the deemed to satisfy provision; or
 - iii) a combination of a) and b).

Development Expenses

A10. It is the responsibility of the Applicant to meet all expenses incurred in undertaking the development, including expenses incurred in complying with conditions imposed under this consent.

Developer Contributions

A11. In accordance with Section 61 of the *City of Sydney Act 1988*, the Applicant must pay developer contributions in accordance with *Central Sydney Development Contributions Plan 2013*. The contributions are to be paid by the Applicant prior to the certification of Crown Building Works in Part B of this consent (unless the Applicant is granted with an exemption from the Section 61 contributions levy by Council).

Prescribed Conditions

A12. The Applicant shall comply with all relevant prescribed conditions of development consent under Part 6, Division 8A of the Regulation.

Legal Notices

A13. Any advice or notice to the consent authority shall be served on the Secretary.

END OF PART A

PART B PRIOR TO COMMENCEMENT OF WORKS

Certification of Crown Building Works

- B1. Plans certified in accordance with section 109R of the EP&A Act are to be submitted to the Certifying Authority and the Department prior to commencement of each stage of construction works and shall include details as required by any of the following conditions.

Demolition Works

- B2. All demolition work shall comply with the provisions of *Australian Standard AS2601: 2001 The Demolition of Structures*. The work plans required by AS2601: 2001 shall be accompanied by a written statement from a suitably qualified person that the proposals contained in the work plan comply with the safety requirements of the Standard. The work plans and the statement of compliance shall be submitted to the satisfaction of the Certifying Authority prior to the commencement of works.

Nominated Heritage Consultant

- B3. Prior to the certification of Crown Building Works, a suitably qualified and experienced heritage consultant must be engaged to:
- a) Inspect the demolition and removal of material to ensure there is no unapproved removal of significant fabric or elements; and
 - b) Provide ongoing advice to tradespeople undertaking the works throughout the construction period.
- B4. Evidence and details of the engagement of a nominated heritage consultant in accordance with Condition B3 shall be submitted to the Department and Council, prior to the certification of Crown Building Works.
- B5. The nominated heritage consultant is to provide ongoing advice to trades people undertaking the works, as required, throughout the construction period.

Notice of Commencement of Works

- B6. The Certifying Authority and Council shall be given written notice, at least 48 hours prior to the commencement of building work on the Subject Site.

Contamination

- B7. Prior to the commencement of any works (including demolition), a hazardous material survey shall be undertaken.
- B8. Prior to the commencement of any works (including demolition), the Applicant shall prepare and implement appropriate project specific procedures for identifying and dealing with unexpected finds of site contamination (including asbestos and lead-based paint materials). This shall include any notification requirements to SafeWork NSW concerning the handling and removal of any asbestos.
- B9. Prior to the commencement of any work, the Applicant is required to satisfy the requirements of the *Protection of the Environment Operations (Waste) Regulation 2014* with particular reference to Part 7 'asbestos wastes'.

Archival Recording

- B10. Prior to the certification of Crown Building Works, a photographic archival record of all areas undergoing works must be prepared in accordance with the document *How to Prepare Archival Records* by the Heritage Council of NSW, and submitted to the Heritage Council and the Department.

Ecologically Sustainable Development

B11. Prior to the certification of Crown Building Works, the Applicant shall incorporate all design, operation and construction measures identified in the ESD Statement prepared by Cundall Australia dated 23 June 2016.

Construction Environmental Management Plan

B12. Prior to the certification of Crown Building Works, a **Construction Environmental Management Plan (CEMP)** shall be submitted to the Certifying Authority. The CEMP shall address, but not be limited to, the following matters, where relevant:

- a) hours of work;
- b) 24 hour contact details of site manager;
- c) the preparation of a **Construction Noise and Vibration Management Plan (CNVMP)**, prepared by a suitably qualified person, which addresses the relevant provisions of Australian Standard 2436 – 2010 Guide to Noise Control on Construction, Maintenance and Demolition Sites, and the Interim Construction Noise Guideline (Department of Environment and Climate Change, 2009);
- d) the preparation of a **Construction Air Quality Management Plan (CAQMP)**, prepared by a suitable qualified person, which includes the monitoring and management of air quality and dust (including dust emissions on the site and dust emissions from the site) to protect the amenity of the neighbourhood; and
- e) erosion and sediment control to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the Subject Site.

Note: The CEMP must not include works that have not been explicitly approved in the development consent. In the event of any inconsistency between the consent and the CEMP, the consent shall prevail.

Construction Traffic and Pedestrian Management Plan

B13. Prior to the certification of Crown Building Works, a **Construction Pedestrian and Traffic Management Plan (CPTMP)** prepared by a suitably qualified person shall be submitted to the Certifying Authority. The CPTMP shall address, but not be limited to, the following matters:

- a) Location of the proposed work zone;
- b) Haulage routes;
- c) Construction vehicle access arrangements;
- d) Hours of work;
- e) Estimated number of construction vehicle movements;
- f) Construction program;
- g) Consultation strategy for liaison with surrounding stakeholders;
- h) Any potential impacts to general traffic, cyclists, pedestrians and bus services within the vicinity of the site from construction vehicles during the construction of the proposed works;
- i) Cumulative construction impacts of projects including Sydney Light Rail Project. Existing CPTMPs for developments within or around the development site should be referenced in the CPTMP to ensure that coordination of work activities are managed to minimise impacts on the CBD road network; and
- j) Should any impacts be identified, the duration of the impacts and measures proposed to mitigate any associated general traffic, public transport, public transport, pedestrian and cyclist impacts should be clearly identified and included in the CPTMP.

B14. The CPTMP shall be prepared in consultation with the CBD Coordination Office, and a copy of the final CPTMP plan shall be submitted to Coordinator General, CBD Coordination Office, prior to the commencement of any works.

National Construction Code

B15. Prior to the certification of Crown Building Works, details shall be provided to the satisfaction of the Certifying Authority which demonstrate that the proposal complies with the prescribed conditions of approval under clause 98 of the EP&A Regulation in relation to the requirements of the NCC.

B16. Any non-deemed to satisfy compliance issues are to be included as alternative solutions in the final design to the satisfaction of the Certifying Authority, prior to the certification of Crown Building Works. A copy shall be provided to the Secretary.

Structural Details

B17. Prior to the certification of Crown Building Works, the Applicant shall submit to the satisfaction of the Certifying Authority structural drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with:

- a) the relevant clauses of the NCC; and
- b) the development consent.

Waste Management Plan

B18. Prior to the certification of Crown Building Works, a **Waste Management Plan (WMP)** shall be prepared and submitted to the Certifying Authority. The WMP shall:

- a) demonstrate that an appropriate area will be provided within the premises for the storage of garbage bins and recycling containers and all waste and recyclable material generated by the works;
- b) provide details demonstrating compliance with the relevant legislation, the SOH Asbestos Risk Management Plan and the SOH Hazardous Materials Action Plan, particularly with regard to the removal of asbestos and hazardous waste, the method of containment and control of emission of fibres to the air;
- c) require that all waste generated during the project is assessed, classified and managed in accordance with the EPA's "Waste Classification Guidelines Part 1: Classifying Waste";
- d) require that the body of any vehicle or trailer used to transport waste or excavation spoil from the Subject Site, is covered before leaving the Subject Site to prevent any spill, or escape of any dust, waste, or spoil from the vehicle or trailer; and
- e) require that mud, splatter, dust and other material likely to fall from or be cast off the wheels, underside or body of any vehicle, trailer or motorised plant leaving the Subject Site, is removed before the vehicle, trailer or motorised plant leaves the Subject Site.
- f) require that concrete waste and rinse water are not disposed on the site and are prevented from entering Sydney Harbour.

END OF PART B

PART C DURING CONSTRUCTION

Hours of Work

- C1. The hours of construction, including the delivery of materials to and from the Subject Site, shall be restricted as follows:
- a) between 7:00 am and 6:00 pm, Mondays to Fridays inclusive;
 - b) between 8:00 am and 1:00 pm, Saturdays;
 - c) no work on Sundays and public holidays.
 - d) works may be undertaken outside these hours where:
 - i) the works are internal and undertaken within the wholly enclosed building; or
 - ii) the delivery and removal of vehicles, plant or materials is via the underground loading dock within the Subject Site (in which case it may be undertaken on a 24 hours a day, 7 days a week basis during the construction of the development); or
 - iii) the delivery and removal of vehicles, plant or materials (not via the underground loading dock under Condition C1(d)(ii)) is required outside these hours by the Police or other public authorities, or it is determined that it would be hazardous to the general public (i.e. tourists, patrons or events in the forecourt/boardwalks), provided it is undertaken outside scheduled performance times at the Sydney Opera House (including not within 30 minutes before or after scheduled performances); or
 - iv) it is required in an emergency to avoid the loss of life, damage to property and/or to prevent environmental harm; or
 - v) a variation is approved in advance in writing by the Secretary or her nominee.

Noise and Vibration Management

- C2. The development shall be constructed with the aim of achieving the construction noise management levels detailed in the *Interim Construction Noise Guideline*. All feasible and reasonable noise mitigation measures shall be implemented and any activities that could exceed the construction noise management levels shall be identified and managed in accordance with the CNVMP, approved as part of the CEMP.
- C3. Any noise generated during the construction of the development must not be offensive noise within the meaning of the *Protection of the Environment Operations Act, 1997* or exceed approved noise limits for the Subject Site.
- C4. Heavy vehicles and oversized vehicles must not que or idle on Macquarie Street awaiting access to the Subject Site.
- C5. The Applicant must schedule intra-day 'respite periods' for construction activities predicted to result in noise levels in excess of the "highly noise affected" levels, including the addition of 5dB to the predicted levels for those activities identified in the Interim Construction Noise Guideline as being particularly annoying to noise sensitive receivers.
- C6. Vibration caused by construction at any residence or structure outside the subject site must be limited to:
- a) for structural damage vibration to buildings (excluding heritage buildings), *British Standard BS 7385 Part 2-1993 Evaluation and Measurement for Vibration in Buildings*;
 - b) for structural damage vibration to heritage buildings, *German Standard DIN 4150 Part 3 Structural Vibration in Buildings Effects on Structure*; and

- c) for human exposure to vibration, the evaluation criteria presented in *British Standard BS 6472- Guide to Evaluate Human Exposure to Vibration in Buildings* (1Hz to 80 Hz) for low probability of adverse comment.

Site Protection and Works

- C7. All significant building fabric and building elements are to be protected during the works from potential damage. Protection systems must ensure historic fabric is not damaged or removed.
- C8. The installation of new services shall be carried out in such a manner as to minimise damage to, or removal of, significant fabric.

Salvage of Significant Building Fabric

- C9. The steps and associated handrails required to be removed for the escalator installation are to be carefully removed, catalogued, safely stored and able to be readily reinstated.
- C10. Any significant internal building fabric and elements approved to be removed are to be carefully removed, catalogued, safely stored and able to be readily reinstated, including the white birch 'wobbly' panels and door hardware.

Waste Classification

- C11. The Applicant must ensure that all waste generated by the development is classified in accordance with the EPA's *Waste Classification Guidelines 2009* and disposed of at a facility that may lawfully accept that waste.

Asbestos and Hazardous Waste Removal

- C12. Hazardous and/or industrial waste arising from the demolition activities must be removed and/or transported in accordance with the requirements of the NSW Work Cover Authority.

Acoustic Design

- C13. The proposed alterations must not affect the existing acoustic integrity of the building in relation to the control of noise emissions from the premises.
- C14. No additional equipment may be installed or changes made to the acoustic design unless certified by a suitably qualified acoustic consultant that the equipment will not increase noise emissions from building.

Approved Plans to be On-Site

- C15. A copy of the approved and certified plans, specifications and documents incorporating conditions of approval and certification shall be kept on the Subject Site at all times and shall be readily available for perusal by any officer of the Department, Council or the Certifying Authority.

Site Notice

- C16. A site notice(s) shall be prominently displayed at the boundaries of the Subject Site for the purposes of informing the public of project details including, but not limited to the details of the Builder, 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(s) are to measure 841 mm x 594 mm (A1) with any text on the notice to be a minimum of 30 point type size;
 - b) the notice(s) is to be durable and weatherproof and is to be displayed throughout the construction 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 complaints are to be displayed on the site notice; and
- d) the notice(s) is to be mounted at eye level in the vicinity of the Sydney Opera House building/on any perimeter hoarding/fencing, and is to state that unauthorised entry to the Subject Site is not permitted.

Work Cover Requirements

C17. To protect the safety of work personnel and the public, the work site shall be adequately secured to prevent access by unauthorised personnel, and work shall be conducted at all times in accordance with relevant Work Cover requirements.

Hoarding/Fencing Requirements

C18. The following hoarding requirements shall be complied with:

- a) no third party advertising is permitted to be displayed on the subject hoarding/fencing; and
- b) the construction site manager shall be responsible for the removal of all graffiti from any construction hoarding/fencing or the like within the construction area within 48 hours of its application.

Groundwater

C19. The Applicant is required to ensure untreated groundwater is not discharged to Sydney Harbour as a result of any excavation for the project, including any excavation into the bedrock associated with the new lift cores (Lift 31 or Lift 36).

END OF PART C

PART D PRIOR TO OCCUPATION OR COMMENCEMENT OF USE

Road Damage

- D1. The cost of repairing any damage caused to Council'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 Applicant prior to the occupation of the building.

Fire Safety Certification

- D2. Prior to the use of the Joan Sutherland Theatre, new office accommodation area or entry foyer area, a Fire Safety Certificate shall be obtained for all the Essential Fire or Other Safety Measures forming part of this consent. A copy of the Fire Safety Certificate must be submitted to the relevant authority and be prominently displayed in the building.

Structural Inspection Certificate

- D3. A Structural Inspection Certificate must be submitted to the satisfaction of the Certifying Authority prior to the use of the Joan Sutherland Theatre, new office accommodation area or entry foyer area. A copy of the Certificate with an electronic set of final drawings (contact approval authority for specific electronic format) shall be submitted to the approval authority after:
- a) the site has been periodically inspected and the Certifier is satisfied that the structural works is deemed to comply with the final design drawings; and
 - b) the drawings listed on the Inspection Certificate have been checked with those listed on the final Design Certificate/s.

END OF PART D

PART E POST OCCUPATION

Ecologically Sustainable Development

- E1. The operation of the building shall implement the ESD principles and design measures outlined within the EIS.

Annual Fire Safety Certificate

- E2. An annual Fire Safety Statement must be given to Council and the Fire & Rescue NSW commencing within 12 months after the date on which the initial Interim/Final Fire Safety Certificate is issued. This must ensure that the essential services installed in the building for the purpose of fire safety have been inspected and at the time of inspection are capable of operating to the required minimum standard.

Noise Control – Plant and Machinery

- E3. Noise associated with the operation of any plant, machinery or other equipment on the site, shall not give rise to any one or more of the following:
- a) transmission of “offensive noise” as defined in the *Protection of the Environment Operations Act 1997* to any place of different occupancy;
 - b) a sound pressure level at any affected residential property that exceeds the background (LA90, 15 minute) noise level by more than 5dB(A). The background noise level must be measured in the absence of noise emitted from the premises. The source noise level must be assessed as a LAeq, 15 minute; and
 - c) notwithstanding compliance with (1) and (2) above, the noise from mechanical plant associated with the premises must not exceed 5dB(A) above the background noise level between the hours of 12.00 midnight and 7.00 am.

END OF PART E

ADVISORY NOTES

Appeals

AN1. The Applicant has the right to appeal to the Land and Environment Court in the manner set out in the EP&A Act and the EP&A Regulation (as amended).

Other Approvals and Permits

AN2. The Applicant shall apply to NSW Heritage for any approvals under the *Heritage Act 1977* (if required), and the Council for all necessary permits including crane permits, road opening permits, hoarding or scaffolding permits, footpath occupation permits and/or any other approvals under section 68 (Approvals) of the *Local Government Act 1993* or section 138 of the *Roads Act 1993*.

Requirements for Section 60 Approval under Heritage Act 1977

AN3. Prior to the commencement of any works, an application under section 60 of the *Heritage Act 1977* must be submitted to and approved by the Heritage Council of NSW or its delegate.

AN4. As part of the Section 60 application under the *Heritage Act 1977*, the Applicant is to further resolve the design of the following:

- a) The proposed new accessible passageway on Level 3 of the JST, such as how the edges of the cut stairs will be finished;
- b) Details of interpretive elements, signage, LED screen, handrails, and finishes to the escalators; and
- c) Details of the new lifts at each level of the building relative to heritage fabric.

A copy of the Heritage Council's approval and additional information required above must be submitted to the Secretary and Council for information.

Responsibility for other consents / agreements

AN5. The Applicant is solely responsible for ensuring that all additional consents and agreements are obtained from other authorities, as relevant.

Temporary Structures

AN6.

- a) An approval under *State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007* must be obtained from the Authority for the erection of the temporary structures. The application must be supported by a report detailing compliance with the provisions of the National Construction Code.
- b) Structural certification from an appropriately qualified practicing structural engineer must be submitted to the Authority with the application under *State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007* to certify the structural adequacy of the design of the temporary structures.

Disability Discrimination Act

AN7. This application has been assessed in accordance with the EP&A Act. No guarantee is given that the proposal complies with the *Disability Discrimination Act 1992*. The Applicant/owner is responsible to ensure compliance with this and other anti-discrimination legislation. The *Disability Discrimination Act 1992* covers disabilities not catered for in the minimum standards called up in the BCA which references AS 1428.1 - *Design for Access and Mobility*. AS1428 Parts 2, 3 & 4 provides the most comprehensive technical guidance under the *Disability Discrimination Act 1992* currently available in Australia.

Commonwealth Environment Protection and Biodiversity Conservation Act 1999

AN8. On 7 January 2017, the Commonwealth Department of Environment and Energy determined that the proposed works are a controlled action. Consequently, approval of the works under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* is required.

- a) The *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth Act) provides that a person must not take an action which has, will have, or is likely to have a significant impact on a matter of national environmental significance (NES) matter; or Commonwealth land, without an approval from the Commonwealth Environment Minister.
- b) This application has been assessed in accordance with the New South Wales EP&A Act. The determination of this assessment has not involved any assessment of the application of the Commonwealth legislation. It is the Applicant's responsibility to obtain approval from the Department of Environment and Energy (or its successor) and you should not construe this grant of approval as notification to you that the Commonwealth Act does not have application. The Commonwealth Act has application in this case and you should obtain advice about this matter. There are severe penalties for non-compliance with the Commonwealth legislation.

Asbestos Removal

AN9. All excavation works involving the removal and disposal of asbestos must only be undertaken by contractors who hold a current WorkCover Asbestos or "Demolition Licence" and a current WorkCover "Class 2 (Restricted) Asbestos Licence and removal must be carried out in accordance with NOHSC: "Code of Practice for the Safe Removal of Asbestos".

Site contamination issues during construction

AN10. Should any new information come to light during demolition or construction works which has the potential to alter previous conclusions about site contamination then the Applicant must be immediately notified and works must cease. Works must not recommence on site until the consultation is made with the Department.

END OF ADVISORY NOTES

Appendix 3 - Confirmation of Engagement of Design 5 Architects as Heritage Architect



31 May 2017

Re: Appointment of Nominated Heritage Architect (Design 5 Architecture) for safety, accessibility and venue enhancement works to the Joan Sutherland Theatre and entry foyer refurbishment works

To Whom it May Concern,

In accordance with Condition B3, B4 and B5 of the SSD7665 Development Consent 24 May 2017 for the safety, accessibility and venue enhancement works to the Joan Sutherland Theatre and entry foyer refurbishment works the Sydney Opera House Trust (SOHT) has appointed Design 5 Architects as the Heritage Architect for the duration of the project.

Design 5, amongst other responsibilities, shall;

- Oversee the survey of spaces undergoing works and develop a photographic archival record ; and (condition B10)
- Inspect the demolition and removal of materials to ensure there is no unapproved removal of significant fabric or elements (condition B3 a)
- Provide ongoing advice to tradespeople undertaking the works throughout the construction period (condition B3 b)
- Provide ongoing advices to trades people undertaking the works, as required, throughout the construction period (condition B5)

On completion of the archival recording the document shall be submitted to the Heritage Council and the Department of Planning.

Sincerely,

Ian Cashen
Director, Building Sydney Opera House

Appendix 4- Laing O'Rourke Australia Construction Confirmation of Management Plans

8 June, 2017

Sydney Opera House Trust
Bennelong Point
Sydney, NSW. 2000.

Attention: Paul Shumack

Cc: Tom Sloane

Cc: Mark Ayto

Dear Sirs,

Re: Submission of Laing O'Rourke Management Plans in Support of JST SAVE (DA 7665) CBWC

Further to our Gate 2 submission dated 6 March 2017 for the Sydney Opera House Renewals Project Work Packages 1A and 1B, our subsequent discussions with SOH and Group DLA and in addition to the Laing O'Rourke Management Plans previously submitted on 12 April, 2017 for the JST TMP CBWC, please find attached the following documents in support of achieving the issue of a Crown Building Works Certificate for the JST SAVE Project:

- Construction Management Plan
- Waste Management Plan.
- Traffic Management Plan

We confirm that submission of these plans comply with the requirements of SSD conditions B1, B2, B13, B14 and B18. We refer you to the relevant sections of the attached Construction Management Plan in satisfaction of SSD Condition B2 and confirm this Plan complies with the safety requirements of AS 2601 - 2001. We also refer you to the report prepared by an external traffic consultant on behalf of SOH in order to satisfy SSD conditions B13 i) and j); and that SOH will liaise with the CBD Coordination Office in order to satisfy SSD Condition B14.

In addition to the above, we confirm that Laing O'Rourke, together with SOH, intends to comply with SSD Conditions C1 - C3, C7 - C10 and C14, noting that for the purposes of SSD Condition C1 d) iii) that SOH is the determining authority and that this Condition relates to activities undertaken outside "evening" scheduled performance times .

Trusting this is satisfactory, should you have any queries regarding this correspondence and attachments, please do not hesitate to contact the undersigned.

Yours sincerely,



Ben Nicol
Project Director
Laing O'Rourke Australia Construction Pty Limited

Laing O'Rourke Australia Construction Pty Limited

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Appendix 5 - Letters of Notification to DEE



26 June 2017

Kim Farrant
Assistant Secretary
Assessments (NSW, ACT) and Fuel Branch

Dear Ms Farrant,

Further to EPBC Consent for the Sydney Opera House Building Renewal Program - Safety, Accessibility and Venue Enhancements (EPBC 2016/7825) the Sydney Opera House provides the following notification under sections three (3), five (5) and seven (7).

Pursuant to section 7 the Sydney Opera House intends to commence the following elements on 26 June 2017:

- Joan Sutherland Theatre projects, including the Follow Spot Room; safety curtain; accessibility projects (seating, Lift 31, Northern Foyer level 2 access, stage to auditorium access); dressing room upgrades; and sanitary facilities;
- Ballet Rehearsal Room; and
- Lift 36

Pursuant to section 3 and the elements being commenced, please find the following attached:

- 3 ii. Signage (Attachment 1) & handrail (Attachment 2) documentation,
- 3 iii. Final Lift Designs for lift 31 & 36 (Attachment 3); and
- 3 v. The documentation in attachment 1-3 provides the final detailing of the relevant elements.

Also pursuant to section 3, please find attached; written support from the Heritage Architect (Design 5) detailing the design finishes & advice on the Utzon colour palette and Peter Hall's original interior fit out (Attachment 4), written support from the Eminent Architects Panel (Attachment 5) and written support from the Conservation Council (Attachment 6).

Finally, pursuant to section 5 Sydney Opera House will be displaying content about the Building Renewal Program on the construction hoarding/ fencing from 30 June 2017.

Please let me know if you have any questions, or would like any further information.

Kind regards,

Ian Cashen
Director, Building
Sydney Opera House

Attachment 1- Signage documentation
Attachment 2- Handrail documentation
Attachment 3- Final Lift Design for lift 31 & 36
Attachment 4- Design 5 design finishes statement & advice on the Utzon colour palette and Peter Hall's original interior fit out
Attachment 5- Eminent Architects Panel design finishes statement
Attachment 6- Conservation Council design finishes statement



24 August 2017

Hagen Ganahl
Assistant Director
Post Approval Section
Compliance & Enforcement Branch Environment Standards Division

Dear Mr Ganahl,

Further to EPBC Consent for the Sydney Opera House Building Renewal Program - Safety, Accessibility and Venue Enhancements (EPBC 2016/7825) the Sydney Opera House provides the following notification under conditions three (3) and seven (7).

Pursuant to condition 7 the Sydney Opera House intends to commence the following elements on 11 September 2017:

- Ballet Rehearsal Room

Pursuant to condition 3 and the elements being commenced, please find the following attached:

- Signage documentation at Attachment 1 (condition 3(ii)); and
- Architectural documentation detailing the final design elements at Attachment 2 (condition 3(v)).

Also pursuant to condition 3, and as provided on the 26 June 2017, please find attached:

- Written support from the Heritage Architect (Design 5) detailing the design finishes & advice on the Utzon colour palette and Peter Hall's original interior fit out (Attachment 3);
- Written support from the Eminent Architects Panel (Attachment 4); and
- Written support from the Conservation Council (Attachment 5).

No external hoardings will be required given the internal location of these works.

Please let me know if you have any questions, or would like any further information.

Kind regards,

Ian Cashen
Director, Building
Sydney Opera House

Attachment 1- Signage documentation
Attachment 2- Ballet Rehearsal Room Documentation
Attachment 3- Design 5 design finishes statement & advise on the Utzon colour palette and Peter Hall's original interior fit out
Attachment 4- Eminent Architects Panel design finishes statement
Attachment 5- Conservation Council design finishes statement



31 January 2018

Hagen Ganahl
Assistant Director
Post Approval Section
Compliance & Enforcement Branch Environment Standards Division
Department of the Environment and Energy
GPO Box 787
Canberra ACT 2601

Dear Mr Ganahl,

Further to EPBC Consent for the Sydney Opera House Building Renewal Program - Safety, Accessibility and Venue Enhancements (EPBC 2016/7825) the Sydney Opera House provides the following notification under conditions three (3) and seven (7).

Pursuant to condition 7 the Sydney Opera House intends to commence the following elements on 5 February 2018:

- Function Centre

Pursuant to condition 3 and the elements being commenced, please find the following attached:

- Signage documentation at Attachment 1 (condition 3(ii)); and
- Dimensions and finishes of the Function Centre internal wall openings (condition 3(iv))
- Architectural documentation detailing the final design elements at Attachment 2 (condition 3(v)).

Also pursuant to condition 3, please find attached:

- Written support from the Heritage Architect (Design 5) detailing the design finishes & advice on the Utzon colour palette and Peter Hall's original interior fit out (Attachment 3);
- Written support from the Eminent Architects Panel (Attachment 4); and
- Written support from the Conservation Council (Attachment 5).

Finally pursuant to section 5 Sydney Opera House will be displaying content about the Building Renewal Program on the construction hoarding/fencing from 5 February 2018.

Please let me know if you have any questions, or would like any further information.

Kind regards,

Jan Cashen
Director, Building
Sydney Opera House



Attachment 1- Signage documentation

Attachment 2- Function Centre Documentation

Attachment 3- Design 5 design finishes statement & advise on the Dimensions and finishes of the Function Centre wall openings & Utzon colour palette and Peter Hall's original interior fit out

Attachment 4- Eminent Architects Panel design finishes statement

Attachment 5- Conservation Council design finishes statement

Appendix 6 - Approval of Heritage Interpretation Strategy



Australian Government

Department of the Environment and Energy

Ms Kya Blondin
Head of Government, Policy and Planning
Sydney Opera House
GPO Box 4274
SYDNEY NSW 2000

**Sydney Opera House Renewal Program - Heritage Interpretation Strategy
(EPBC 2016/7825)**

Dear Ms Blondin

Thank you for your email dated 14 December 2017 to the Department, seeking approval of the *Renewal Interpretation Strategy, December 2017*, in accordance with condition 4 of the approval decision dated 20 June 2017.

Officers of this Department have reviewed the Heritage Interpretation Strategy. On the Department's advice, and as a delegate of the Minister for the Environment and Energy, I have decided to approve the *Renewal Interpretation Strategy, December 2017* as meeting the requirements of Condition 4 of the approval decision. The plan must now be implemented.

EPBC 2016/7825 condition 10 allows you (under certain circumstances) to implement revised plans without seeking the Minister's approval. If you require any advice on whether or not to submit a revised plan for approval, please contact the officer below. When submitting any revised plan to the Minister under condition 10, please provide a 'tracked changes' version of the plan. I also attach a fact sheet providing guidance on 'new or increased impact' relating to changes to approved management plans under EPBC Act environmental approvals.

Should you require any further information please contact Alex Hayes-Graham on (02) 6274 1385 or by email: post.approvals@environment.gov.au.

Yours sincerely

Greg Manning
Assistant Secretary
Assessments (WA, SA and NT) and Post Approvals Branch
Environment Standards Division

21 December 2017



Guidance on 'New or Increased Impact' relating to changes to approved management plans under EPBC Act environmental approvals

Introduction

This guidance is for those environmental approvals under Part 9 of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) containing an approval condition which uses the reference 'new or increased impact' in relation to revisions to approved management plans. This condition, referred to in this document as the Revised Management Plan (RMP) condition, allows revised plans to be implemented without approval by the Minister, provided that the proposed changes do not have a new or increased impact on matters protected under the approval.

The aim of this guidance is to assist approval holders and officers of the Department in determining whether or not a change is likely to have a 'new or increased impact' on a protected matter.

Background

Many EPBC Act Part 9 approvals include conditions for management plans, strategies or programs to be implemented, and usually these documents must be submitted for approval by the Minister prior to implementation. For the purposes of this guidance, such documents are referred to collectively as 'plans'.

Section 143A of the EPBC Act allows an approval holder to submit revisions to approved plans for re-approval by the Minister in certain circumstances. In some cases, revisions to approved plans under section 143A will incur a fee under cost recovery provisions of the EPBC Act and regulations.

From late 2015, the RMP condition was included in new approvals where appropriate, and in some cases the RMP condition has been retrospectively added to projects with an existing EPBC Act approval through formal variations to conditions.

In approvals that have the revised management plan condition, a 'new or increased impact' is typically defined as: *a new or increased impact on any matter protected by the controlling provisions for the action, when compared to the plan, program or strategy that has been approved by the Minister.*

In broad terms, section 527E of the EPBC Act defines the term 'impact' as an 'event or circumstance' that is a direct or indirect result of the action taken by the approval holder or someone acting on behalf of the approval holder. A 'new or increased impact' in the context of the RMP condition is therefore very broad, and includes any direct or indirect increase in the impacts of an action, an increase to the risk of an impact occurring, or a change that reduces the acceptability of an impact such as a change to an environmental offset.

Scope of changes to a plan

Approvals are given for the purposes of one or more controlling provisions described in Part 3 of the EPBC Act, and plans may be required to avoid, mitigate or offset impacts to matters protected under those provisions (protected matters).

In some cases a plan may be required under both Commonwealth and state or territory approvals. It is possible that such a plan may require a revision in relation to state or territory matters only, and the changes may not relate to EPBC Act protected matters.

When considering whether a revised plan would have a new or increased impact, approval holders should have regard to all changes to the approved plan (ie. the latest version of that

plan that was formally approved by the Minister or delegate), not an unapproved revised plan (previously deemed by the approval holder to not have a new or increased impact under the RMP condition) or a plan only approved by the state or territory. In other words, if a revised unapproved plan is being implemented, and further revisions are being considered, all deviations (including incremental or cumulative changes) from the approved plan must be considered when making a decision on whether there is a new or increased impact.

The above emphasises the need to approval holders to use proper version control for plans. Further information about document version control can be found in the Department's Environmental Management Plan Guidelines available on the department's website:

<http://www.environment.gov.au/epbc/publications/environmental-management-plan-guidelines>

The following paragraphs are intended to provide general guidance about the types of changes to plans that are likely to result in a new or increased impact. They are not intended to be exhaustive or definitive. The particular facts and circumstances of a proposed revision to a plan will need to be taken into account in determining whether there is likely to be a new or increased impact.

What is a new impact?

A 'new impact' may be caused by a change to an activity or a change to circumstances surrounding the activity, and can include:

- new activities that may impact on protected matters;
- any change to an activity that creates a new potential impact to a protected matter; or
- an impact to a protected matter that was not previously foreseen.

It should also be noted that in some cases, a new activity may also require a formal variation to approval conditions (under section 143 of the EPBC Act); or may be beyond the scope of an approved action and could require separate EPBC Act approval.

What is an increased impact?

A change to a plan may increase a known impact. An 'increased impact' can include:

- a new activity;
- an increase in the scale, intensity or duration of impacts;
- an increase in the likelihood or consequences of an impact occurring;
- a change to a measure designed to avoid, mitigate or offset an impact;
- a reduced capacity to identify or measure an impact; or
- any other change that increases the risks or uncertainty associated with an impact.

Some changes above may not be considered an 'increase' if the change is a clear improvement.

Examples of a new or increased impact

Although determined on a case-by-case basis, the following changes to a plan are **likely** to result in a new or increased impact:

- The transition from construction phase to operations phase, where the approved plan only covers the construction period.
- Increasing the amount of habitat for a listed threatened species that will be cleared.
- A change in a measure designed to mitigate the impacts of an action on a RAMSAR wetland.
- A delay to the commencement of an environmental offset.
- A change to the timing of a temporary impact, to a time when a listed migratory species is more prevalent.
- A reduction in the frequency of monitoring.

What is unlikely to be a new or increased impact?

Changes unlikely to be a new or increased impact include:

- changes to the structure or layout of a plan or other administrative changes that are unrelated to environmental impacts or risks;
- a change to a plan which does not affect EPBC Act protected matters; or
- a clear improvement to a measure that avoids, mitigates or offsets the impacts of a proposal.

Examples unlikely to be a new or increased impact

Although determined on a case-by-case basis, the following changes to a plan are **unlikely** to result in a new or increased impact:

- Changes to a person's contact details.
- Changes to the name of a plan, or title page of a plan including version number or date.
- Changes to pagination or chapter format where content is not altered.
- Rectification of a clear typographical, grammatical error or mapping error, where the change does not relate to an impact or an avoidance, mitigation or offsetting measure.
- Changes to a plan that covers both state and EPBC Act requirements, and the change only relates to matters protected under state laws.
- The introduction of an additional mitigation measure.
- An increase in the frequency of monitoring.
- A change to the timing of a temporary impact, to a time when a listed migratory species is less prevalent.

Who decides whether a revised plan is likely to have a 'new or increased impact'?

The onus is on the approval holder to decide if a revision to a plan is likely to result in a new or increased impact.

If, after considering this guidance, approval holders are still unsure whether a proposed revision to a plan is likely to result in a new or increased impact, they may request advice or further information from the Department.

When submitting a revised plan under the RMP condition, the approval holder should include a document clearly explaining the revisions (such as a 'tracked changes' version of the plan) and reasoning why they believe that the revisions will not have a new or increased impact.

Approvals that include the RMP condition also include a condition which gives the Minister the power to require implementation of the previously approved plan if the Minister believes that a revision is likely to result in a new or increased impact. In order to reduce the likelihood of the Minister making this decision, the approval holder should contact the Department for advice if they have any doubt about whether a change is likely to result in a new or increased impact.

Option to submit revised plan to Minister for approval

Nothing in the RMP condition prevents an approval holder from choosing to submit a revised management plan to the Minister for formal approval under section 143A of the EPBC Act at any time.

Advice and further information

Approval holders may request advice relating to the matters described in this document by emailing: post.approvals@environment.gov.au

Appendix 7 - Examples of hoardings used during construction

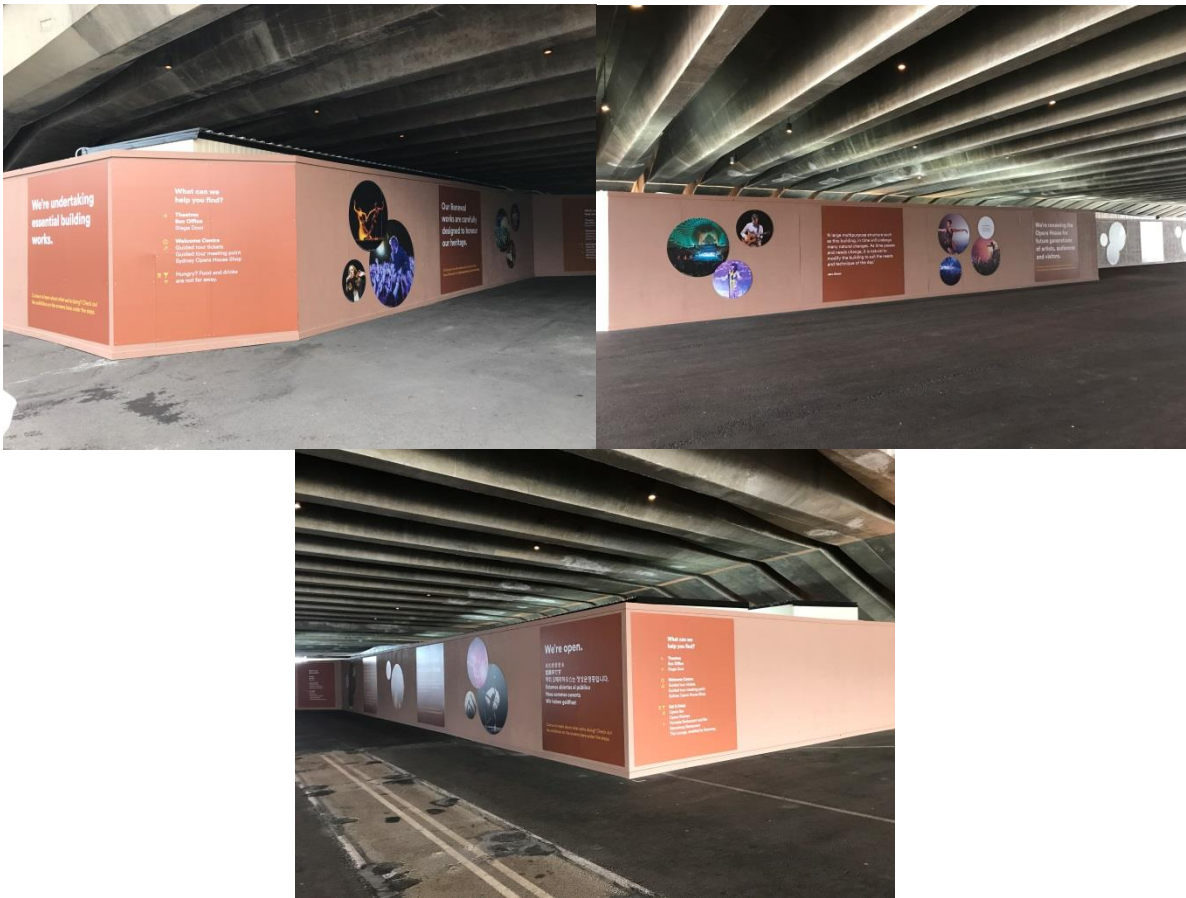
SAVE project – JST Entry:



Key messaging:

We're renewing the Opera House for future generations of artists, audiences and visitors

Undercover concourse/site shed:



Key messaging:

- We're undertake essential building works
- Honouring our Heritage
- Future of the Opera House
- We're Open
- Directional signage

JST Northern Foyer:



Key messaging:

- We're renewing the Joan Sutherland Theatre for future generations.
- We appreciate your support while we complete these essential upgrades
- We're creating a more welcoming, inspiring and accessible Opera house
- Directional signage

Appendix 8 – Renewal Interpretation Strategy Action Plan Update July 2018

Renewal Interpretation Strategy - Action Plan as at July 2018				
Ref	Project	Description	Timing	Status at July 2018
1.0 Precinct Information and Display				
1.1	Welcome Centre Refresh Short-term	Enable presentation of content on Welcome Centre North Wall that encompasses renewal interpretation themes and uses existing screen. Will provide additional content options beyond current single video to engage visitors with the breadth of the Opera House story with an emphasis on the 'Cultural Evolution' interpretation theme.	June-Dec 2018	> Grant funding secured for this project. > Brief content creator by September 2018.
1.2	Welcome Centre Refresh Long-term	Review and refresh redesign of Welcome Centre North and South Walls to reflect entire evolution of the Opera House from construction to end of Stage 1 Renewal (CH Renewal). Provide refreshed visual content in line with future use of the space.	2021-2022	Nil to report.
1.3	Box Office Lounge Content	Showcase digital content and interpretation relating to the design, history and evolution of the Opera House in the Box Office Lounge	March - May 2018	The Joan Sutherland Theatre renewal project was exhibited in the Box Office lounge from March to May 2018. It include over 8 digital screens that had rotating photographs of the Renewal project and outcomes and one large screen had video content. Smart tablets were made available for patrons to browse the Renewal content on our website.
1.4	Renewal story-telling on digital screens (e.g. UTS)	Showcase conservation and Renewal specific content and story-telling at key visitor transition and gathering points on existing digital promotional screens	Completed for 2017. For other construction periods as identified	Renewal story telling was undertaken externally using the existing digital marketing screens located in the Covered Concourse. Five screens were used to display content in late 2017 on Renewal and at the re-opening of the Joan Sutherland Theatre. As of September 2018, plans are under way for Renewal content to be displayed on the digital screens in the Covered Concourse and Welcome Centre.
1.5	Renewal Hoardings	Use hoardings onsite to communicate conservation and building renewal information and key messages and facilitate visitor navigation onsite during construction	In line with construction periods	Hoardings are being used onsite to communicate conservation and building Renewal info and key messages and to facilitate visitor navigation during construction. > A Renewal timeline and information explaining the Function Center works have been installed on the Northern Broadwalk hoardings; and > Content is being developed for the Box Office hoardings, to be installed in Sept 2018
1.6	Physical acknowledgement of Peter Hall onsite	Provide physical acknowledgement of Peter Hall onsite recognising his role and contribution in shaping the design and heritage of the Opera House.	2018-2019	In June 2018, the Opera House was awarded a <i>Protecting National Historic Sites</i> grant by the Commonwealth government to develop a policy and prototype for a physical acknowledgement of Peter Hall onsite. In October/November 2018, a policy will be developed in relation to commemoration and recognition on-site that will inform the design and development of options for the recognition of Hall.
1.7	Western Broadwalk Photographic Exhibitions	Install temporary photographic exhibitions on the Western Broadwalk or other temporary exhibition space on a minimum of two occasions, in conjunction with Renewal works milestones and other key events. For example World Monuments and Sites Day April 2018 and ICOMOS General Assembly November 2020.	2018-2019	Horisont exhibition exploring Utzon's influences will take place in October 2018 on the Western Broadwalk.
1.8	Coburn Tapestries Exhibition and Interpretation Plan	Develop and implement Exhibition and Interpretation Plan for the Coburn Tapestries (Curtain of the Sun and Curtain of the Moon), including physical and digital exhibition and conservation.	2018-2019	Progress has been made on the implementation of the Coburn Interpretation Strategy including: 1. Completion of a 'test hang' in the Concert Hall in March 2018, to determine if and how the Curtain is able to be hung again for a short or long term period; 2. Development of a study of options for a replica curtain for SOH; 3. Consultation with John Coburn's family, who know form the Coburn Estate; 4. An oral history with Stephen Coburn, John's eldest child about his memories of his father, the artwork and the Sydney Opera House; and 4. In June 2018, the Opera House was awarded a <i>Protecting National Historic Sites</i> grant by the Commonwealth government to progress the actions of the Strategy, including exhibiting the Curtains publicly, developing Google Cultural Institute exhibitions on the Curtains through the SOH website, and developing other materials and activities for tours on the exhibition day.
1.9	Visual Art Program Integration	Consider and integrate conservation and Renewal themes into Digital Visual Art Program development planning 2017-2018, identifying long-term opportunities for creative interpretation and display onsite.	2018-2019	Sarah Rees, the Opera House's Curator, Contemporary Art is currently working on a Visual Arts Strategy that will incorporate Renewal themes and other opportunities. This is expected to be completed in 2019.
2.0 Visitor Experiences				
2.1	Guided Tour content - existing tour script/messaging	Guided Tour content encompasses conservation and Renewal stories and information in line with evolving	Ongoing	New content on the CMP4 and heritage conservation at the Opera House has been provided by SOH heritage architect Alan Croker. SOH Tours department is using this document to draft a revised tour and Welcome Team scripts;
2.2	Guided Tour content - new content	Guided Tour content encompasses conservation and Renewal stories and information in line with evolving program of works: Incorporate conservation and Renewal interpretation themes and messages into Tours video content refreshes	2019 (TBC)	Nil to report.
2.3	Welcome Team messaging	Develop a suite of engaging stories and information, aligned to conservation and Renewal Interpretation Themes for the onsite Welcome Team to use in day-to-day visitor interactions.	2018 +	New content on the CMP4 and heritage conservation at the Opera House has been provided by SOH heritage architect Alan Croker. SOH Tours department is using this document to draft a revised tour and Welcome Team scripts;

2.4	Architectural 'Evolutions of the Opera House' Experience	Develop and trial Architectural 'Evolutions of the Opera House' Experience, focusing on in-depth information on the history, heritage, conservation and influences on the Opera House	2018-19	Nil to report.
2.5	Opera House Renewal retail product	Create, produce and distribute a range of Opera House Renewal retail product to raise awareness and engagement of visitors during and post-visit. Scope and nature of product TBC. Integrate into pipeline for product development / broader retail strategy	2019-2021	> Sydney Ceramicist, Samantha Robinson was commissioned by the Opera House to create a range of handmade ceramics representing the Utzon tapestry <i>Homage to Carl Philip Emmanuel Bach</i> to mark the centenary of Utzon's birth; and >A Coburn Tapestries item is currently being scoped by the Retail Team to be released in conjunction with their public exhibition in 2019.
2.6	Concert Hall Closure Immersive Digital Experience	Scope and develop a minimum of one immersive virtual Opera House experience onsite during the Concert Hall Renewal (e.g. 360° projection experience). Project aims to use existing unused 'White Box' space off central passage (internal space).	2019-2022	Project scoping under way.
2.7	Self-guided interpretation experience	Scope and develop proposal for self-guided discovery / interpretation experience for visitors that will complement existing tours and provide meaningful interpretation of the evolution of the building, precinct and surrounding area/. Focus may be on the exterior of the site and using story-telling to allow visitors to find, understand and connect with significant locations on site and their meaning.	2018-2019 (scoping) 2020 + (implement)	Nil to report.
3.0 Digital Channels				
3.1	Renewal story-telling on SOH website /digital channels	Maintain up-to-date, compelling and informative Renewal content on Sydney Opera digital channels, including: > Dedicated Renewal webpage encompassing information and interpretation of key projects – past, present and future. > House History webpage, including biographical information on architects Jørn Utzon and Peter Hall and their conservation processes and practices > Renewal timeline providing overview and information on projects. > Sharing of editorial content encompassing Renewal-related themes, stories and conservation works > Integration of Renewal interpretation stories and messages into onsite digital communications and information.	Ongoing	The return of The Australian Ballet to the renewed JST and new ballet rehearsal room media and digital content highlights include: > Two pieces of coverages in Channel Nine News and the Daily Telegraph > A Backstage article on the SOH website and the fine-tuning of the acoustics in the JST (564+ views) > Social media posts on the return of TAB on SOH, TAB and Tourism Australia's social media channels > Internal communications, including the 'Renew' newsletter and an Intouch article announcing the return of TAB and the completion of the Rehearsal Room (3040+ unique views against a benchmark of 200) > Video content of 'a day in the life of SOH on NYE' featuring JST related content were viewed over 80,000+ times – approach was to tap into general interest around NYE to inform about JST re-opening. > Other video content including 'The Magic of the Theatre', 'How we're renewing the JST' and 'JST reopening video' available through SOH website and Youtube channel.
3.2	Digital Classroom Experiences	Assess and identify opportunities to integrate Renewal Interpretation stories and content into Opera House Digital Classroom Experiences, including digital tours and workshops.	2018 and ongoing	The Children, Families and Creative Learning team is developing a free children's activity workshop and video series based around 'Utzon's Universe' – a new, interactive book celebrating Utzon's architecture to take place in October, to coincide with the 45 th anniversary of the opening of the Opera House.
3.3	Stage 1 Renewal Photographic Records	Capture photographic and film records of the Stage 1 Renewal works in line with the New South Wales Heritage Office Guidelines <i>Photographic Recording of Heritage Items Using Film or Digital Capture (2006)</i> , for archival purposes and use in interpretation projects	May 2017 - 2022	Archival photographic and video records continue to be captured as part of the Stage 1 Renewal works. Management is considering the best way to make this content publicly available. A recent highlight has been the time-lapse capture of the removal of the tall granite panels for the Function Centre.
3.4	Google Cultural Institute content	Maintain and evolve the Sydney Opera House collection on the Google Cultural Institute, including interactive exhibits reflecting the Renewal and broader Sydney Opera House interpretation themes.	2018 and ongoing	Ongoing.
3.5	Building heritage and conservation projects	Continue to showcase information and content from key building heritage and conservation projects, including the Getty Concrete Conservation Project.	Ongoing	A public-facing report about the Getty Concrete Conservation Project is being prepared for publication by the Getty Foundation on an information-sharing platform for Keeping It Modern grant recipients in August/September 2018.