





ALBION PARK RAIL BYPASS STAGE 2: PRINCES MOTORWAY BETWEEN YALLAH AND OAK FLATS

ENVIRONMENTAL REPRESENTATIVE'S MONTHLY REPORT – NOVEMBER 2020

Date of Issue: 08 December 2020

Job Reference: AL17-274-2

Environmental Representative:

Toby Hobbs – Principal

Report No.: AL17-274 ER November 2020 Report

Distribution List:

- Transport for NSW Warren Blacka
- Fulton Hogan Matthew Saviana
- NSW Department of Planning, Industry and Environment Jake Shackleton
- NSW Department of Planning, Industry and Environment Lee McCourt
- NSW Department of Planning, Industry and Environment Jennifer Rowe
- NSW Department of Planning, Industry and Environment <u>compliance@planning.nsw.gov.au</u>
- NSW Department of Planning, Industry and Environment infrastructure.notifications@planning.nsw.gov.au
- NSW Environment Protection Authority William Dove
- NSW DPIE Biodiversity and Conservation Division Chris Page
- Civil Aviation Safety Authority Slavica Despotovic

TABLE OF CONTENTS

1	INTRO	DUCTION	1
2	SUMM	ARY OF SIGNIFICANT WORKS	2
3	STATUS	S OF ENVIRONMENTAL DOCUMENT REVIEW	3
4	EVALU	ATION OF CONSTRUCTION ACTIVITIES	4
	4.1	Site Monitoring	4
	4.2	Independent Auditing	4
	4.3	Site Issues	6
	4.4	Community Consultation and Complaints Register	6
	4.5	Implementation, Effectiveness and Level of Compliance with Project CEMP and	t
		Approval Conditions	8
	4.5.1	Aviation Management Plan	8
	4.6	Review of Corrective/Preventative Measures	8
	4.7	Requested Changes to Project CEMP	9
5	SITE IN	DUCTION PROCESS	9
6	MEETIN	NGS	9
	6.1	Environmental Review Group	9
7	DOCUN	MENTATION ISSUED BY THE ER	9
	7.1	Corrective Action Requests	10
	7.2	Certifications and Endorsements	10
	7.3	Directions/Advice/Requests	10
8	ADDITI	ONAL SERVICES DIRECTED BY TRANSPORT FOR NSW	10
9	DOCUN	MENTATION RECEIVED FROM TRANSPORT FOR NSW AND OTHER PARTIES	10
10	CLOSIN	IG COMMENTS	10
11	LIMITA	TIONS	11

APPENDICES

Appendix A Environmental Review Group Meeting Notes (03 November 2020)

Appendix B Summary of ER Certifications, Approvals and Consistency Reviews

GLOSSARY OF TERMS AND ABBREVIATIONS

Term	Definition
APRb	Albion Park Rail bypass
CAR	Corrective Action Request
CCS	Community Communication Strategy
СЕМР	Construction environmental management plan
CoA	The Planning Minister's conditions of approval
CRSC	Croom Regional Sporting Complex
CRM	Community Relations Manager
dB(A)	Decibel: unit of sound pressure level
DP&E	Department of Planning and Environment (superceded by DPIE in July 2019)
DPI	Department of Primary Industries
DPIE	Department of Planning, Industry and Environment (formerly DP&E)
EIR	Environmental Inspection Report
EIS	Environmental Impact Statement
ER	Independent Environmental Representative nominated by Roads and Maritime Services (TfNSW as of December 2019) and approved by DP&E (DPIE as of July 2019)
EMS	Environmental management system
EPA	NSW Environment Protection Authority
EPL	Environment Protection Licence
ENMM	Environmental Noise Management Manual (RTA 2001)
EP&A Act	Environmental Planning and Assessment Act 1979
EPBC Act	Commonwealth Environment Protection and Biodiversity Conservation Act 1999
ESCP	Erosion and Sedimentation Control Plan
ESM	Environment and Sustainability Manager
EWMS	Environmental Work Method Statement
NOW	NSW Office Of Water
OEH	Office of Environment & Heritage
ОЕМР	Operational environmental management plan
оонw	Our of hours works
PESCP	Progressive erosion and sediment control plan
POEO Act	Protection of the Environment Operations Act 1997

Term	Definition
(the) Project	Albion Park Rail bypass Stage 2 (Princes Motorway between Yallah and Oak Flats)
Roads and Maritime	Roads and Maritime Services
Secretary	Secretary of DP&E (DPIE as of July 2019)
Stage 1	Stage 1 of the Albion Park Rail bypass (Croom Regional Sporting Complex Reconfiguration)
Stage 2	Stage 2 of the Albion Park Rail bypass (Princes Motorway between Yallah and Oak Flats)
Stage 3	Stage 3 of the Albion Park Rail bypass (Yallah Interchange)
SPIR	Submissions and preferred infrastructure report
SSI	State Significant Infrastructure
TfNSW	Transport for NSW
UDLCS	Urban Design and Landscape Character Strategy

INTRODUCTION

This document presents the Environmental Representative's (ER) monthly report for 01 – 30 November 2020 for the works associated with Albion Park Rail bypass (APRb) Stage 2 (Princes Motorway between Yallah and Oak Flats), herein referred to as the "Project".

The Albion Park Rail bypass will provide a 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats and key design features include:

- Two lanes in each direction divided by a median;
- Three interchanges provided at Yallah, Albion Park and Oak Flats connecting the local road network with the motorway;
- Bridges to carry the motorway over Duck Creek, Macquarie Rivulet, Frazers Creek, the Princes Highway, Tongarra Road and the South Coast Rail Line;
- Bridges to carry local roads and ramps over the motorway;
- Bridges to provide improved floodwater conveyance and flood immunity;
- Local road changes or upgrades, including Yallah Road between Larkins Lane and Princes Highway at Yallah, replacing the existing East West Link with the motorway and a new local service road which runs parallel to the motorway on the southern side, connecting the Oaks Flats interchange with Croome;
- Improved pedestrian and cycle connections; and
- Replacement of directly impacted sporting facilities at the Croom Regional Sporting Complex (CRSC), including sporting fields and associated amenities and changes to the southern access of the sporting complex.

Minister's Conditions of Approval (MCoA) were issued by the Minister for Planning, NSW Department of Planning and Environment (DP&E) under Section 115ZB of the Environmental Planning and Assessment Act 1979 on 30 January 2018. A modification (MOD 1) was approved by DP&E (now the NSW Department of Planning, Industry and Environment [DPIE]) on 25 October 2018 which incorporated a definition of "Heavy vehicle" and replacement of Conditions E51 (Building and Condition Structure Surveys) and E75 (Road Dilapidation Reports).

In accordance with the Project Approval, the Albion Park Rail bypass Project will be delivered in the following three stages:

- Stage 1: Croom Regional Sporting Complex (CRSC) reconfiguration;
- Stage 2: Princes Motorway between Yallah and Oak Flats; and
- Stage 3: Yallah Interchange.

The key features of Stage 2 of the Project, and the subject of this report, include:

- A 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats bypassing Albion Park Rail:
- · A central interchange at Albion Park;
- A southern interchange at Oak Flats;
- 13 new bridges;

Date: 08 December 2020

- · Pedestrian and cyclist facilities to improve connectivity; and
- Local road upgrades on Tongarra Road and Yallah Road.

Stage 2 construction works commenced on 07 January 2019 following DP&E's (now DPIE) approval of the Construction Environmental Management Plan (CEMP), inclusive of sub-plans, and the fulfillment of other pre-construction requirements.

Required Environmental Representative (ER) services are listed under the Minister for Planning's Conditions of Approval applicable to the Project. In particular, Condition A22 provides for the appointment of the ER to be approved by the Secretary to provide a range of services related to management issues concerning the environmental performance of the Project.

Mr Toby Hobbs of Vantage Environmental Pty Ltd (Vantage) was appointed by Roads and Maritime Services as the Project ER and endorsed for this role by the Department of Planning and Environment on 08 February 2018. Mr Hobbs is an environmental scientist with approximately 20 years of experience and is accredited as a Principal Environmental Auditor by Global Exemplar.

2 SUMMARY OF SIGNIFICANT WORKS

During the current reporting period, the following site-based activities occurred:

- Earthworks including placement of fill materials, drainage materials and noise mound construction;
- Placement of road base and pavement materials including heavily bound base (HBB) and asphalt;
- Works associated with the early December 2020 East West Link traffic switch;
- Bridge and shared-path construction;
- Drainage works;
- Maintenance and installation of environmental controls including sediment basins, clean-water diversion drains and site access points;
- Installation of at-house noise mitigation measures;
- Landscaping including compensatory plantings associated with the Croome Reserve clearing incident;
- Community liaison; and
- Utility and property adjustments.

On 16 November 2020, a media event was held with Project personnel and NSW Government representatives to announce that the Project would likely be open to traffic in mid-2021 and completed by the end of 2021 which was ahead of the originally intended schedule. The event was attended by Minister for Regional Transport and Roads Paul Toole, Member for Kiama Gareth Ward and TfNSW Southern Region Director Sam Knight, along with key representatives from the TfNSW and Fulton Hogan Project team.

3 STATUS OF ENVIRONMENTAL DOCUMENT REVIEW

The date of issue of the most recent ER endorsement on the Construction Environmental Management Plan (CEMP) and sub-plans associated with Stage 2 of the Project works is shown on Table 3.1, below. Initial approval of the noted plans was provided by DP&E (now DPIE) between 07 and 21 December 2018. Subsequent DPIE approvals, where required, and/or ER endorsement of the plans following periodic review are also noted on Table 3.1, below.

TABLE 3.1: Summary of ER's Endorsement of CEMP and sub-plans

Plan Name and Details (most recent version)	Date of Issue of ERs Endorsement	Date of DP&E (now DPIE) Approval
Waste and Energy Management (Appendix B7), Rev. 5, 17 March 2020	30 March 2020	N/A: Provided to DP&E (now DPIE) for information only
Contaminated Land Management Sub-plan (Appendix B9), Rev. 5, 16 March 2020 [updated]	03 April 2020	N/A: Provided to DP&E (now DPIE) for information only
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 11, 16 March 2020	20 March 2020	07 December 2018*
Noise and Vibration Sub-plan (Appendix B3), Rev. 9, 28 September 2020 inclusive of Construction Noise and Vibration Monitoring Program	30 September 2020	07 December 2018
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 11, 28 September 2020	30 September 2020	07 December 2018
Soil and Water Management Sub-plan (Appendix B4), Rev. 9, 27 April 2020 inclusive of Construction Groundwater Monitoring Program and Construction Surface Water Monitoring Program	11 May 2020	07 December 2018
Air Quality Management Sub-plan (Appendix B6), Rev. 8, 20 February 2020 inclusive of Construction Air Quality Monitoring Program	26 February 2020	25 March 2020
Heritage Management Sub-plan (Appendix B5), Rev. 9, 12 March 2020	16 March 2020	29 November 2018*
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 13, 22 November 2019	23 January 2020	29 November 2018*
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 12, 21 June 2019	21 June 2019	21 December 2018
Ancillary Facilities Management Plan, Rev. 9, 09 September 2020	30 September 2020	02 August 2019

^{*}DP&E (now DPIE) approval was subject to further updates which was subsequently addressed

Document Reference: AL17-274-2 ER November 2020 Report Date: 08 December 2020

EVALUATION OF CONSTRUCTION ACTIVITIES

4.1 Site Monitoring

The ER did not complete any site visits to view the Project works during November 2020 as the Environmental Review Group meeting was held via MS Teams. Regular updates were, however, received from the Project team regarding site conditions.

Key items discussed with Project personnel during November 2020 included:

- Stabilisation of work areas within close proximity of waterways;
- Environmental control measures for bridge deck concrete pours, curing compound application and paving;
- Maintenance of environmental controls associated with erosion/sedimentation risk reduction;
- Preparations for the traffic switch onto the new East West Link in early December 2020;
- Community consultation and complaints handling outcomes; and
- Installation of at-house noise mitigation measures.

4.2 Independent Auditing

In accordance with Infrastructure approval conditions A33 to A37 and the approved CEMP, independent environmental auditing for the Project is being undertaken in accordance with ISO 19011:2014 - Guidelines for Quality and/or Environmental Management Systems Auditing.

The second annual audit was undertaken during October 2020 and a site inspection was undertaken on 13 and 14 October 2020. The audit covered the period from the first audit on 13-14 November 2019 to 13-14 October 2020, which is consistent with the requirement of Infrastructure Approval Condition A36 for an annual audit.

The audit was conducted by an appropriately qualified and experienced Auditor from SNC Lavalin and covered the following scope:

- Assessment of the environmental performance of the SSI, and its effects on the surrounding environment;
- Assessment of whether the Project is complying with the terms of the Infrastructure approval;
- Review of the adequacy of any document required under the Infrastructure approval; and
- Provision of recommended measures or actions to improve the environmental performance of the SSI, and improvements to any document required under the Infrastructure approval.

The report associated with the audit was issued to DPIE on 26 November 2020, following endorsement by the ER, and key findings are summarised below:

- No non-compliances with the Infrastructure Approval were identified during the audit;
- Site environmental controls were noted to be of a high standard and were observed to be being implemented effectively;
- An experienced environmental management team appeared to be effectively managing environmental resources on site;
- Strong evidence on site was observed to indicate that environmental management plans, systems and protocols were being correctly implemented;

Document Reference: AL17-274-2 ER November 2020 Report Date: 08 December 2020

- The "Beyond Compliance" initiatives adopted by the construction team had led to the implementation of several initiatives that were beneficial for both the community and environment. These initiatives included the beneficial re-use of substantial quantities of coal wash material and recycled glass in asphalt mix; and
- The non-conformance identified in the previous audit had been closed out satisfactorily.

Several key strengths were noted by the Auditor, including:

- The "Beyond Compliance" approach adopted by the Albion Park Rail bypass team was a key area of strength which had enabled the Project to implement a high standard of positive community, environment, and sustainability initiatives. During the period covered by the audit, the Project team completed the Frazers Creek diversion including translocation of species from the creek prior to construction. In addition, the retention and protection, rather than filling, of a portion of a waterbody at the southern end of the Project had enhanced biodiversity;
- The OEH had commended Fulton Hogan's commitment to the conservation of threatened plant population of *Chorizema parviflorum* (Illawarra Flame Pea). More than 1000 seeds had been collected to assist in providing long-term security for the conservation of the population. In addition, the Project was noted to have minimised approved clearing limits and maximised protection of CEEC. The reuse of coarse woody debris and mulch from vegetation clearing to create habitat and stabilise exposed ground was observed during the Auditor's site visit;
- Sustainability initiatives being implemented as part of the Sustainability Strategy, which was
 developed in accordance with the ISCA rating tool, were noted to be of a high standard and
 were being implemented effectively. The waste management processes on the Project were
 noted to have achieved significant outcomes with respect to utilising recycled material. At the
 time the audit was undertaken, around 1.4 million tonnes of material, including tunnel spoil
 from major Sydney projects and coal wash, had been utilised on the Project;
- Other sustainability initiatives observed during the Auditor's site visit, interviews with Project staff and document review indicated a high degree of planning had been undertaken for the Project. Of particular note was the use of 10% recycled glass within asphalt, which was an example of industry best practice;
- The ERSED and waterways management on site was highly commendable. Implementation of controls such as consistent temporary groundcover, permanent drainage such as rock-lined drains, permanent landscaping works were programmed for completion as soon as practical;
- It was evident that the Project team had effectively engaged with the community throughout construction and had adopted different forms of communication in response to the restrictions imposed by Covid-19, including an increase in engagement via social media platforms. The review undertaken of the documents and processes relating to Project communications indicated the community had been informed in a time-efficient manner with meaningful Project updates. The various forms of communication utilised had allowed the Project to convey information to the community that was accessible and enabled community feedback and involvement. The positive results of this communication were reflected in the small number of complaints received during the reporting period;
- Controls relating to the adjacent active airport including the management of Obstacle Limitation Surfaces (OLS) appeared to remain effective on site and the translation of management documentation into the field was evident; and
- Through undertaking the audit and observing the environmental performance of the development, the Auditor noted that it was evident that the dedicated environmental

management professionals were experienced and highly competent in environmental management of major road projects in sensitive environments.

The findings from the audit also included the comment that the Project Team were adopting a proactive approach to planning and managing the operational aspects of the development and ensuring all planning activities were undertaken in a timely manner to ensure compliance with operational requirements.

Overall, the Auditor found that the site was being managed in an environmentally responsible manner, and in compliance with the Infrastructure Approval conditions, and that the standard of environmental controls had been maintained to a high standard since the previous audit, demonstrating a systematic and proactive approach to environmental management.

4.3 Site Issues

Based on the ER's November 2020 reviews of Project works, it was considered that there continued to be a high level of compliance with Infrastructure approval conditions, management plan commitments and EPL conditions.

There were no (0) non-conformities or reportable incidents identified with respect to the Infrastructure approval.

A total of 59.0mm of rainfall was recorded at the Albion Park (Shellharbour Airport, Station 068241) Bureau of Meteorology weather station during November 2020, which is less than the average reported rainfall for November of 80.2mm for the same weather station.

There was one (1) internal incident during the reporting period at Bridge 7 (SB07) on 11 November 2020. A small amount of cementitious slurry (approx. 20L) was found to have leaked between bridge planks during high pressure cleaning. The slurry leaked onto the stabilised pad adjacent to Frazer Creek, however it was reported that no slurry leaked into the waterway. Upon realisation of the incident, additional sealant was applied to the underside of the bridge deck and plastic was draped across the waterway. Upstream and downstream water monitoring was undertaken and no changes to pH levels or aquatic fauna were noted.

4.4 Community Consultation and Complaints Register

To assess the outcome of the Project community consultation and complaints registration process, the ER held periodic discussions with TfNSW and Fulton Hogan personnel and completed a review of the content of the Project complaints register system, known as "Consultation Manager", which is in use during construction of the Project. The system is used to record and manage issues related to community consultation and feedback, inclusive of complaints related to environmental performance during construction works. The system has been designed to log standardised details of any complaints associated with the Project with a rapid response mechanism to provide further information to potential complainants.

There was one (1) complaint received by the Project community liaison team during the current reporting period that related to environmental management matters during standard construction hours:

The complaint was received from a resident located near Illawarra Highway regarding a
perceived nuisance dust issue. It is understood that the area had been receiving high wind and
hot dry conditions at the time the complaint was received. The Project team reported that,
upon receipt of the complaint, the complainant was contacted by phone and a water cart was

sent to the residence to wet down the driveway and storage yard area. It is understood that all reasonable dust mitigation measures were in place at the time of the complaint.

There was one (1) complaint received by the Project community liaison team during the current reporting period that related to environmental management matters during non-standard (i.e. approved Out of Hours Works [OOHW]) construction hours:

 The complaint was received from a resident located near Princes Highway at Yallah regarding light spill from a temporary light on a bridge over the Princes Highway. The Project team reported that, upon receipt of the complaint, the complainant was contacted by phone and the light was isolated and shut off the following day. Additional light-spill monitoring was scheduled for further night-works across the Project corridor to assist in preventing future occurrences of such issues.

During the current reporting period, OOHW continued to be conducted in accordance with Section L4.4 of the Project EPL and it is understood that Fulton Hogan personnel advised EPA, the Transport Management Centre (TMC) and potentially impacted receivers of all OOHW prior to commencement of works. A general notification to residents of scheduled OOHW for November 2020 was posted to the Project website and is available at the following web address:

https://www.rms.nsw.gov.au/projects/01documents/albion-park-rail-bypass/albion-park-rail-bypass-october-work-notication-2020-11.pdf

On-going consultation with stakeholder groups, agency representatives and residents within the area of the Project corridor regarding upcoming works were also completed by TfNSW and Fulton Hogan during the current reporting period.

The most recent community information session was held on 15 January 2020 at the Project's site office in Albion Park Rail to provide residents and stakeholders with an update on Project progress, an opportunity to meet the Project team and ask any relevant questions. Community information sessions have been temporarily ceased due to the COVID-19 pandemic.

Web-based Project information is available at the following web address:

https://www.rms.nsw.gov.au/projects/albion-park-rail-bypass/index.html

The "Latest News" section of the website for November 2020 discussed the opening of another section the East West Link on 03 December 2020, the release of a Project update and an update on the timing of the opening of the bypass to traffic (mid-2021), a year ahead of schedule. In addition, a link to video that provided an animation of the traffic changes associated with the switch to the new East West Link was posted on the project website:

https://www.youtube.com/watch?v=RBXsDu9jDZ4&feature=emb_logo

The COVID-19 community consultation management measures implemented during March 2020 have also been published on the Project website. The Project team will continue to monitor the COVID-19 situation and provide further information on the website where required.

The latest Project update was released in November 2020 and discussed the following:

- Construction tracking ahead of schedule;
- Croome Road opening;
- Sustainability initiatives;
- Upcoming works, including East West Link traffic changes;
- Community feedback;

Document Reference: AL17-274-2 ER November 2020 Report Date: 08 December 2020

- Industry Collaboration Award; and
- Contact details for the Project.

The Project update can be viewed at the following web address:

https://www.rms.nsw.gov.au/projects/01documents/albion-park-rail-bypass/albion-park-rail-bypass-project-update-2020-11.pdf

In addition to the web-based Project updates, a range of other stakeholder notifications occurred during the reporting period as noted below:

- Letterbox and email-based notifications providing a general Project update, site shutdown details associated with the 2020/2021 holiday season, details of proposed Out of Hours Works, information regarding the East West Link traffic switch and Project contact details;
- Formal liaison with the major businesses in the vicinity of the East West Link (i.e. quarries), NSW Police and emergency services regarding the proposed traffic switch of early December 2020; and
- Visitation of local businesses on Durgadin Drive by representatives of the Project's Community
 Relations Team to discuss potential impacts associated with upcoming construction works.
 Items discussed included proposed vibration trials to ensure potential impacts were minimised.
 Relevant contact details for the Project team were also relayed to stakeholders to assist in the
 timely and proactive management of any potential issues.

Based on the ER's review of community consultation and complaints handling, it is considered that the DPIE-approved Community Communication Strategy continues to be effectively implemented with formal monitoring and evaluation conducted and, where necessary, corrective actions implemented. In particular, proactive and timely consultation is occurring with a focus on providing meaningful and relevant information that has been designed to be accessible, encourage participation and allow for stakeholders to provide feedback to the Project's Community Relations Team.

4.5 Implementation, Effectiveness and Level of Compliance with Project CEMP and Approval Conditions

There were no (0) non-compliance issues identified with respect to the Infrastructure approval and implementation of associated construction-related management strategies.

There were no (0) reportable environmental incidents, as defined in accordance with Infrastructure approval condition A38.

The most recent Construction Compliance and Construction Monitoring Programs Report, covering the period of 08 January to 07 July 2020, was endorsed by the ER on 27 August 2020 prior to submission to DPIE.

4.5.1 Aviation Management Plan

The Aviation Management Plan for Shellharbour Airport was recently amended to include a new version of the Aviation Method of Working Plan (MoWP). The ER endorsed the most recent update (version 7) on 16 October 2020 following the authorisation of the Assistant Airport Manager.

The Wings over Illawarra air show that was scheduled to held during May 2020, and was subsequently postponed until 07-08 November 2020 due to the COVID-19 pandemic, has now been cancelled and rescheduled for November 2021.

4.6 Review of Corrective/Preventative Measures

There are currently no (0) ER-issued Corrective Action Requests (CARs) outstanding on the Project.

4.7 Requested Changes to Project CEMP

There were no (0) requested changes to the Project CEMP during the current reporting period.

5 SITE INDUCTION PROCESS

The ER conducted a detailed review of the content of the site induction for Project works during July 2020. Based on the review it was deemed that the induction content placed an adequate emphasis on environmental management priorities and requirements for the Project.

The next site induction review will be undertaken during January 2021.

6 MEETINGS

6.1 Environmental Review Group

The seventh Environmental Review Group (ERG) meeting for the Project (ERG Meeting No. 7) was held on 03 November 2020. Due to the COVID-19 pandemic social distancing measures, the meeting was held virtually via MS Teams. The meeting involved an open discussion with attending ERG Members as well as representatives of Transport for NSW and Fulton Hogan management, construction and environment teams.

The following personnel were present at the meeting:

- Graham Roche, Transport for NSW;
- Peter Hawkins, Transport for NSW;
- Peter Chudleigh, Transport for NSW;
- Shannon Chisholm, Fulton Hogan;
- James Diamond, Fulton Hogan;
- Jacob Cooper, Fulton Hogan;
- Jayme Breitkopf, Fulton Hogan;
- Karen Williams, Fulton Hogan;
- Sam Leigh, Fulton Hogan;
- Matthew Fuller, Environment Protection Authority;
- Jennifer Rowe, Department of Planning, Industry & Environment: Compliance;
- Kym McNamara, Office of Environment & Heritage: Heritage;
- Jillian Reynolds, Department of Primary Industries: Fisheries;
- Rosemary Crowhurst, Shellharbour City Council; and
- Toby Hobbs, Vantage Environmental Management.

The ERG meeting was well attended and covered a range of topics associated with the Project and included a virtual site visit to key Project areas. No significant environmental management related concerns or issues were raised by the agency representatives that attended the meeting.

Meeting notes are presented within Appendix A of this report. The next ERG meeting is scheduled to be held on 23 March 2021.

7 DOCUMENTATION ISSUED BY THE ER

7.1 Corrective Action Requests

No ER-issued Corrective Action Requests (CARs) were raised during the current reporting period.

7.2 Certifications and Endorsements

A summary of ER Certifications, Approvals and Consistency Reviews associated with the Project that have been issued is provided within Appendix B of this report.

7.3 Directions/Advice/Requests

During the current reporting period, the ER provided written and verbal correspondence to Fulton Hogan and TfNSW personnel regarding environmental management strategies associated with the Project.

8 ADDITIONAL SERVICES DIRECTED BY TRANSPORT FOR NSW SERVICES

There were no additional services directed during the current reporting period.

9 DOCUMENTATION RECEIVED FROM TRANSPORT FOR NSW AND OTHER PARTIES

During the current reporting period, the ER received correspondence from TfNSW and Fulton Hogan relating to the following:

- Results of on-going environmental and compliance monitoring;
- Independent Environmental Audit reporting;
- Scheduled Out of Hours Work to be completed in accordance with the Project Environmental Protection Licence;
- Proposed post-approval management plan amendments and review outcomes;
- Information associated with the close-out of issues identified during routine site visits as documented on the Environmental Inspection Reports (EIR); and
- Community consultation and complaints handling information.

10 CLOSING COMMENTS

Based on the ER's November 2020 observations and reviews, construction works were deemed to remain generally consistent with management plan commitments as well as EPL and Infrastructure approval conditions.

There were no (0) non-compliance issues identified with respect to the Infrastructure approval and implementation of associated construction-related management strategies.

There were no (0) reportable environmental incidents, as defined in accordance with Infrastructure approval condition A38.

The outcomes of the second annual Independent Environmental Audit (IEA) that was conducted in accordance with Infrastructure approval condition A36 were reported during November 2020. Overall, the outcomes of the IEA were excellent. There were no non-conformities identified and the Auditor cited various examples of best-practice environmental management and commended the Project Team on their overall diligence, expertise and experience.

It is noted that proactive and timely community consultation continues to occur with a focus on providing meaningful and relevant information that has been designed to be accessible, encourage participation and allow for stakeholder feedback. Based on the ER's on-going review of community consultation and complaints handling, it is considered that the DPIE-approved Community Communication Strategy continues to be effectively implemented with formal monitoring and evaluation conducted and, where necessary, corrective actions implemented.

11 LIMITATIONS

This report has been prepared in accordance with NSW Department of Planning, Industry and Environment requirements and guidelines. While all reasonable attempts have been made to ensure the accuracy of the content of this report, Vantage Environmental Management Pty Ltd excludes implied warranties and conditions to the extent legally permissible.

The information and assumptions presented within this report, inclusive of evaluation of construction activities and compliance, are based on viewed site conditions and information provided by TfNSW, their contractors and consultants as well as other stakeholders. Liability arising from any of the assumptions being incorrect is disclaimed and no responsibility will be taken for any damage or loss that may occur through either the use or reliance of the content of this document for purposes other than for which it was prepared.

This report should be considered in its entirety and not relied on, released to, or duplicated by third parties in whole or in part without the permission of Transport for NSW, the NSW Department of Planning, Industry and Environment and Vantage Environmental Management Pty Ltd.

Appendix A

Environmental Review Group Meeting Notes:

03 November 2020

Document Reference: AL17-274-2 ER November 2020 Report Date: 08 December 2020





Meeting Notes

Purpose of Me	eting	Environmental Review Group (ERG) Meeting	ı No.7	
Project		Albion Park Rail bypass	,	· -	
Prepared By		Toby Hobbs		Phone No	(02) 6021 8655
Place of Meeting		Project Office: Princes Highway Service Road/ Terry Street, Albion Park Rail NSW and via MS Teams		Date	03 November 2020
Present	Peter Peter Shanr James Jacob Jayme	m Roche (GR), TfNSW Hawkins (PH), TfNSW Chudleigh (PC), TfNSW Ion Chisholm (SC), Fulton Hogan S Diamond (JD), Fulton Hogan Cooper (JC), Fulton Hogan E Breitkopf (JB), Fulton Hogan Williams (KW), Fulton Hogan	Matthew Jennifer I Kym McN Jillian Rey Roseman	lamara (KM)	EPA e), DPIE: Compliance n, OEH: Heritage nolds), DPI: Fisheries (RC), SCC
Apologies	Matth Erica Asses Jake S	en Blacka, TfNSW new Saviana, Fulton Hogan van den Honert, DPIE: Planning & sment hackleton, DPIE: Planning & Assessment nel Young, DPIE: Planning & Assessment	Chris Kell William D Jeremy M Peter Nu	ove, EPA lorice, DPIE:	
Distribution	All				
Abbreviations	DPIE - & Env EES - EPA - ER - E	 – Albion Park Rail bypass – NSW Department of Planning, Industry ironment NSW DPIE Energy, Environment & Science NSW Environmental Protection Authority Environmental Representative – NSW Office of Water – Natural Resources Access Regulator 	Heritage SCC – She TfNSW – VEM – Va Managen	ellharbour C Transport fo antage Envir	or NSW

Item

1 Introductory Comments – TH (VEM)

- Introductions and meeting format;
- Compliance update; and
- Preliminary outcomes of 2nd Independent Environmental Audit.

2 Construction Update – JD (Fulton Hogan)

A summary of key construction outcomes and milestones for the year to date was provided.

See attached excerpts from the Fulton Hogan presentation that was provided during the meeting. The full presentation can be downloaded via the following link:

https://fultonhogan.sharefile.com/d-sf5aae23457f4b049

3 Project Environmental Management & Sustainability Update – SC, JD and JC (Fulton Hogan)

Members of the Project Environment and Sustainability team provided a presentation to the group (content can be viewed via the following link: https://fultonhogan.sharefile.com/d-sf5aae23457f4b049) which covered the following topics:

- Air quality monitoring results;
- Surface water results;
- Groundwater results;
- Noise and vibration results;
- Catchment management to assist in proactive erosion/sedimentation control;
- Aeronautical safety management including Obstacle Limitation Surface (OLS) intrusions;
- Works within waterways;
- Construction challenges and issues;
- Key sustainability initiatives and ISCA rating progress;
- Engagement, employment and learning opportunities;
- Progress with respect to heritage management inclusive of interpretive signage that is in development; and
- Consultation and progress associated with "at-house" acoustic treatment was presented.

4 Community Liaison Update – KW (Fulton Hogan)

- Outcomes of recent community survey regarding effectiveness of strategy for the Project (content can be viewed via the following link: https://fultonhogan.sharefile.com/d-sf5aae23457f4b049);
- Changes to community consultation strategies due to the COVID-19 pandemic; and
- Summary of community issues/complaints since the previous ERG meeting.

5 Discussion of Progress Towards Completion of The Project – SC (Fulton Hogan)

- Artists impressions of the Project corridor verses the current situation;
- Key focus areas such as paving, landscaping, road furniture and signage;
- Restoration of the Croom Reserve Area; and
- Waterway completion works.

6 Comments from ERG members

- TH (VEM) provided an overview of some key outcomes since the previous ERG meeting and noted that proactive management of environmental risks continued to occur. In particular, positive outcomes had been achieved with respect to works within and around waterways, community and stakeholder management, successful implementation of sustainability initiatives leading a significant reduction in resource depletion, reduction in clearing of EEC/CEEC listed vegetation. It was also apparent that good progress was being made to ensure relevant pre-operational Infrastructure approval conditions were complied with and the site was suitably managed for the upcoming holiday season shut-down period;
- JRowe (DPIE) commented that it was pleasing to see proactive planning and preparation for landscape works was occurring. It was also a very good outcomes to see that the Project team had worked hard to engage with community and stakeholder representatives. In addition, the Department was pleased to observe the low number of complaints overall and that the number of complaints hadn't increased during the COVID-19 pandemic when more people were working from home, etc and therefore potentially subjected to more impacts associated with construction;
- PH (TfNSW) noted to the group that targeted consultation had been an important part of the Project communications strategy which was yielding positive results;
- KM (OEH:Heritage) sought more information from the Project team regarding if additional face to face consultation would be conducted as part of the preparation of the development of heritage interpretation signage and documentation (booklet). SC (Fulton Hogan) commented that, while this was a possibility, it was probably unlikely as extensive consultation attempts had been made to date and key team members remained available to facilitate communication with Aboriginal knowledge holders, as necessary. SC further commented that the focus moving forward would be on disseminating previously obtained information that was deemed relevant to the broader public;
- MF (EPA) noted that construction works were being managed appropriately and were progressing to a point where the risk of potential environmental impacts was reducing which was pleasing to see;
- SC (Fulton Hogan) commented that the site-based Project team will remain focussed on assessing and managing relevant risks associated with the various phases of construction that are in progress such as the transition from bulk earthworks to paving and finishing of structures such as bridges;
- GR (TfNSW) thanked the team for their presentations and efforts to date on site management.
 He reminded all parties that they were more than welcome to discuss any concerns regarding delivery of the Project, inclusive of compliance and related completion matters and it was

Item

TfNSW's goal to ensure any such matters were adequately addressed and closed-out prior to the completion of construction; and

• TH (VEM) thanked all ERG members for their attendance and the Project team for putting together a comprehensive presentation that provided an excellent update on the status of the Project with respect to construction, environmental monitoring and compliance.

7 Next Meeting

It is proposed that the next ERG meeting will be held on 23 March 2021.

Appendix B

Summary of ER Certifications and Approvals



APRB Stage 2 Infrastructure Approval Reporting Requirements

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Staging Report, Rev. 0, 09 February 2018	15 February 2018	Yes
Compliance Tracking Program, Rev. 0, 09 February 2018	16 February 2018	Yes
Unexpected Heritage Items – Heritage Procedure 02, November 2015	29 June 2018	Yes
Complaints Management System, Rev. 3, 10 September 2018	17 September 2018	Yes
Environmental Audit Program, Rev. 4, 18 September 2018	20 September 2018	Yes
Pre-Construction Compliance Report, Rev. 5, 02 October 2018	02 October 2018	Yes
Sustainability Strategy, Rev. 1, 02 October 2018	08 October 2018	Yes
Waste and Energy Management (Appendix B7), Rev. 4, 12 October 2018	12 October 2018	Yes
Contaminated Land Management Sub-plan (Appendix B9), Rev. 4, 10 December 2018	12 October 2018	Yes
EWMS 1: Geotechnical Investigation and Services Potholing, Rev. 10a, 29 October 2018	29 October 2018	Yes
Incident and Emergency Response Plan, Rev. 3, 07 November 2018	08 November 2018	Yes
Community Communication Strategy, Rev. 6, 13 November 2018	13 November 2018	Yes
Noise and Vibration Sub-plan (Appendix B3), Rev. 6, 12 November 2018 inclusive of Construction Noise and Vibration Monitoring Program	13 November 2018	Yes
EWMS 3: Site Compound AS06 Establishment, Rev. 2, 16 November 2018	22 November 2018	Yes



Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 9, 28 November 2018	27 November 2018	Yes
EWMS 5: Aboriginal Artefact Salvage Works, Rev. 1, 03 December 2018	04 December 2018	Yes
EWMS 4: Structural Demolition and Asbestos Removal Work, Rev. 1, 05 December 2018	05 December 2018	Yes
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 9, 04 December 2018	05 December 2018	Yes
Soil and Water Management Sub-plan (Appendix B4), Rev. 8, 03 December 2018 inclusive of Construction Groundwater Monitoring Program and Construction Surface Water Monitoring Program	05 December 2018	Yes
Air Quality Management Sub-plan (Appendix B6), Rev. 7, 05 December 2018 inclusive of Construction Air Quality Monitoring Program (Approval of the monitoring program requirements only)	05 December 2018	Yes
Heritage Management Sub-plan (Appendix B5), Rev. 8, 05 December 2018	05 December 2018	Yes
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 11, 10 December 2018	10 December 2018	Yes
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 11, 10 December 2018	10 December 2018	Yes
Aviation Management Plan (incl. Method of Working Plan), Rev. 5, 17 December 2018	17 December 2018	Yes
Operational Noise Mitigation Report, Rev. 2, 11 December 2018	23 January 2019	Yes
Urban Design and Landscape Character Strategy, Rev. D, 20 December 2018	04 February 2019	Yes
Flood Mitigation Measures Review (Flooding and Scour Assessment, Rev. 3, 18 December 2018)	04 February 2019	Yes
Division 5.2 and EPBC Act Approval Consistency Assessment Report – Yallah Road Underpass (Rev. 3 May 2019)	03 May 2019	Yes



Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Main Site Compound Pedestrian and Cycle Access Provisions (May 2019)	16 May 2019	Yes
Division 5.2 and EPBC Act Approval: Consistency Assessment Report – Proposed Property Access Roads (June 2019)	07 June 2019	Yes
Division 5.2 and EPBC Act Approval: Consistency Assessment Report – Proposed Extension to Illawara Hwy Shared Path (May 2019)	24 May 2019	Yes
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 12, 21 June 2019	21 June 2019	Yes
Ancillary Facilities Management Plan, Rev. 8, 26 July 2019	29 July 2019	Yes
Noise and Vibration Sub-plan (Appendix B3), Rev. 8, 23 August 2019 inclusive of Construction Noise and Vibration Monitoring Program	23 August 2019	Yes
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 10, 19 August 2019	23 August 2019	Yes
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Tongarra Road Drainage Channel Extension (September 2019)	11 September 2019	Yes
Construction Compliance and Monitoring Report, Report 1 (7 January 2019 – 7 July 2019), Rev. 2, 27 September 2019	27 September 2019	Yes
Construction Compliance and Monitoring Report, Report 1 (7 January 2019 – 7 July 2019), Rev. 3, 27 September 2019	22 October 2019	Yes
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Splash Crossing Access Road, Oak Flats Interchange (October 2019)	28 October 2019	Yes
Division 5.2 and EPBC Act Approval: Consistency Assessment Report – Croome Road Shared User Path Extension (November 2019)	09 December 2019	Yes



Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Yallah Road Pathway Extension (November 2019)	12 December 2019	Yes
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 13, 22 November 2019	23 January 2020	Yes
Division 5.2 Approval: Consistency Assessment Report – Signage (February 2020)	24 February 2020	Yes
Air Quality Management Sub-plan (Appendix B6), Rev. 8, 20 February 2020 inclusive of Construction Air Quality Monitoring Program (Approval of the monitoring program requirements only)	26 February 2020	Yes
Construction Compliance and Monitoring Report, Report 2 (08 July 2019 – 07 January 2020), Rev. 2, 05 March 2020	05 March 2020	Yes
Heritage Management Sub-plan (Appendix B5), Rev. 9, 12 March 2020	16 March 2020	Yes
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 11, 16 March 2020	20 March 2020	Yes
Soil and Water Management Sub-plan (Appendix B4), Rev. 9 27 April 2020	11 May 2020	Yes
Aviation Management Plan (incl. Method of Working Plan), Rev. 6 02 April 2020	13 May 2020	Yes
Division 5.2 Approval: Consistency Assessment Report – Additional Line and Pavement Marking (April 2020)	17 May 2020	Yes
Community Communication Strategy, Rev. 7, 15 June 2020	17 June 2020	Yes
Biodiversity Offset Package, Rev. C, June 2020	22 June 2020	Yes
Division 5.2 Approval and EPBC Act Approval: Consistency Assessment Report – Princes Highway Lane Reconfiguration and Durgadin Drive Intersection Upgrade, Oak Flats (June 2020)	23 June 2020	Yes
Sustainability Strategy, Rev. 2, July 2020	29 July 2020	Yes



Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Division 5.2 Approval: Minor Consistency Assessment – Croome Road Shared User Pathway Extension Additional Works (July 2020)	28 July 2020	Yes
Division 5.2 Approval: Minor Consistency Assessment – Property Access off Tongarra Road (August 2020)	07 August 2020	Yes
Construction Compliance and Monitoring Report, Report 3 (08 January 2020 – 07 July 2020), Rev. 1, 27 August 2020	27 August 2020	Yes
Ancillary Facilities Management Plan, Rev. 9, 09 September 2020	30 September 2020	Yes
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 11, 28 September 2020	30 September 2020	Yes
Noise and Vibration Sub-plan (Appendix B3), Rev. 9, 28 September 2020 inclusive of Construction Noise and Vibration Monitoring Program	30 September 2020	Yes
Aviation Management Plan (incl. Method of Working Plan), Rev. 7, 21 August 2020	16 October 2020	Yes
Division 5.2 Approval: Minor Consistency Assessment – Property Fencing Work (October 2020)	22 October 2020	Yes





venv.com.auProfessional Environmental Management