

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

**ENVIRONMENTAL REPRESENTATIVE'S
MONTHLY REPORT – MAY 2021**

Date of Issue: 08 June 2021

Job Reference: AL17-274-2



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Environmental Representative:



Toby Hobbs – Principal

Report No.: AL17-274 ER May 2021 Report

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TABLE OF CONTENTS

1	INTRODUCTION	1
2	SUMMARY OF SIGNIFICANT WORKS	2
3	STATUS OF ENVIRONMENTAL DOCUMENT REVIEW	2
4	EVALUATION OF CONSTRUCTION ACTIVITIES	4
4.1	Site Monitoring	4
4.2	Independent Auditing	5
4.3	Site Issues	5
4.4	Community Consultation and Complaints Register	6
4.5	Implementation, Effectiveness and Level of Compliance with Project CEMP and 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	8
5	SITE INDUCTION PROCESS	8
6	MEETINGS	8
6.1	Environmental Review Group	8
7	DOCUMENTATION ISSUED BY THE ER	8
7.1	Corrective Action Requests	9
7.2	Certifications and Endorsements	9
7.3	Directions/Advice/Requests	9
8	ADDITIONAL SERVICES DIRECTED BY TRANSPORT FOR NSW	9
9	DOCUMENTATION RECEIVED FROM TRANSPORT FOR NSW AND OTHER PARTIES	9
10	CLOSING COMMENTS	9
11	LIMITATIONS	9

APPENDICES

- Appendix A** Environmental Inspection Reports: 04 and 18 May 2021
- 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
CEMP	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DP&E	Department of Planning and Environment (superceded by DPIE in July 2019)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	<i>Environmental Noise Management Manual (RTA 2001)</i>
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPBC Act	<i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i>
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
OEMP	Operational environmental management plan
OOHW	Our of hours works
PESCP	Progressive erosion and sediment control plan
POEO Act	<i>Protection of the Environment Operations Act 1997</i>

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

1 INTRODUCTION

This document presents the Environmental Representative's (ER) monthly report for 01 – 31 May 2021 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;

- 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:

- Temporary switching of traffic onto the northern portion of the bypass on 25 May 2021;
- Re-opening of Croome Road on 28 May 2021;
- Earthworks including excavation, placement of fill materials and drainage works;
- Placement of road base and pavement materials including heavily bound base and asphalt;
- Installation of road furniture, signage and ITS infrastructure;
- Line marking and safety barrier installation;
- Installation and testing/commissioning of traffic signals;
- Bridge and shared path construction;
- Maintenance and installation of environmental controls;
- Installation of at-house noise mitigation measures;
- Landscaping works inclusive of planting, maintenance and weed control; and
- Community liaison and management.

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	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. 12, 01 December 2020	16 December 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	09 June 2020
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. 15, 08 January 2021	05 March 2021	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

Periodic annual review of relevant Sub-plans commenced during March 2021 and was completed during April 2021. Based on the review, Project personnel confirmed no updates to the following Sub-plans were required:

- Heritage Management Sub-plan;
- Flora and Fauna Management Sub-plan;

- Contaminated Land Management Sub-plan; and
- Waste and Energy Management.

Consultation commenced with regulatory agencies representatives including NSW EPA, DPI Fisheries and NRAR regarding proposed amendments for the following Sub-plans:

- Air Quality Management Sub-plan (inclusive of Construction Air Quality Monitoring Program);
- Noise and Vibration Sub-plan (inclusive of Construction Noise and Vibration Monitoring Program); and
- Soil and Water Management Sub-plan (inclusive of Construction Groundwater and Surface Water Monitoring Programs).

Once proposed amendments to the noted Sub-plans and associated monitoring programs have been agreed upon, the Construction Environmental Management Plan (CEMP) and noted Sub-plans will be revised and issued to DPIE for approval. At the time of completion of this report, agency consultation associated with proposed amendments was in progress.

4 EVALUATION OF CONSTRUCTION ACTIVITIES

4.1 Site Monitoring

The ER completed two (2) site visits to view Project works on 04 and 18 May 2021. The site visits involved inspections of on-site works as well as an assessment of general compliance with associated Project approval conditions.

Copies of the Environmental Inspection Reports (EIR) that were used to record site observations are presented as Appendix A. The EIRs contain an on-site checklist developed by TfNSW that allow for the systematic recording of on-site environmental issues, observations of concerns and/or potential non-conformities.

The personnel who attended the site visits are listed below.

Date of Site Visit	Personnel Present
04 May 2021	Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan), Richard Peterson (SNC-Lavalin – Independent Environmental Auditor) and Toby Hobbs (Vantage)
18 May 2021	Peter Chudleigh (TfNSW), Stuart Smith (TfNSW), Jacob Cooper (Fulton Hogan) and Toby Hobbs (Vantage)

Key items discussed and viewed during the site visits of May 2021 included:

- Preparations for traffic switches and a temporary (weekend) closure of the Oak Flats interchange;
- Planning and monitoring for works during non-standard construction hours;
- Maintenance of environmental controls at sensitive locations such as adjacent waterways;
- General housekeeping and waste management;

- Decommissioning of redundant environmental controls including EPA-licenced construction water quality management basins;
- Placement of retained timber and root balls for habitat enhancement in accordance with Infrastructure approval condition E16;
- Maintenance and rehabilitation of temporary water crossing areas; and
- Community consultation and complaints handling outcomes.

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 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 findings of the audit are discussed in the ER's November 2020 report. The audit report was submitted to DPIE on 27 November 2020 and correspondence was received from DPIE on 11 December 2020 acknowledging receipt of the audit and comment that the Department considered the audit report to generally satisfy the reporting requirements of the Consent.

The next independent environmental audit is due to be completed in October/November 2021 at which time the Project is expected to be in operational configuration.

4.3 Site Issues

No significant environmental issues were observed by the ER during the May 2021 site visits and it was apparent that there continued to be a high level of compliance with Infrastructure approval conditions, management plan commitments and EPL conditions. It was pleasing to note that the generally minor issues identified during previous site visits were being actively addressed and the Project team remained focused on minimising and stabilising the construction footprint to reduce potential environmental risks.

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

Following the site visits of 04 and 18 May 2021, the Environmental Inspection Report status of the site was reported as "green" because environmental controls in those areas of the site that were reviewed were deemed to be generally appropriate and consistent with Project Approval requirements.

A total of 188.4mm of rainfall was recorded at the Albion Park (Shellharbour Airport, Station 068241) Bureau of Meteorology weather station during May 2021, which was significantly higher than the average reported rainfall for May of 59.2mm for the same weather station. A significant weather event occurred from 05-08 May 2021 resulting in a rainfall total of 172.6mm. Given the advanced state of construction and associated stabilisation of work areas, there were generally minimal negative impacts associated with the rainfall event. Some minor scour of fill batters and recently completed drainage channels was noted to have occurred which were subsequently identified by Project personnel and subject to repair as necessary.

There was one (1) internal incident during the reporting period which was associated with the above-noted rain event. Additional review and installation of sediment controls occurred following the incident and the EPA was notified.

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. 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 were no complaints received during the current reporting period that related to environmental management matters during standard construction hours.

There was one (1) complaint received during the current reporting period that related to environmental management matters during non-standard construction hours (i.e. approved Out of Hours Works [OOHW]). The complaint was received by a resident in the south zone and related to noise from hammering at the Oak Flats interchange. The resident was contacted and the team explained the planned works in the area and upcoming works. The Project team reported that they would continue monitoring and explore potential for additional mitigation measures and that the resident was satisfied with the outcome.

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 May 2021 was posted to the Project website and is available at the following web address:

<https://roads-waterways.transport.nsw.gov.au/projects/01documents/albion-park-rail-bypass/aprb-notification-2021-05.pdf>

In addition, a notification regarding the weekend closure of Oak Flats interchange during June 2021 was posted to the Project website and is available at the following web address:

<https://roads-waterways.transport.nsw.gov.au/projects/01documents/albion-park-rail-bypass/aprb-oak-flats-interchange-temporary-closure-2021-05.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.

On 06 May 2021, a community information session was held at the Project office training centre. Representatives from both Transport for NSW and Fulton Hogan were present at the session which was attended by 67 community members. A range of displays, including an interactive traffic light set up that demonstrated the traffic light phasing for the Oak Flats interchange, were in place for the session.

Project personnel reported that key topics of interest raised by attendees during the session included:

- Traffic lights at the Oak Flats interchange;
- Scheduled completion date for opening and finalisation of works;
- Stages of operation;
- Access changes to Albion Park (and closure of Illawarra Highway);
- Yallah (northern) interchange configuration;

- Travel movements once the bypass was operational; and
- Cyclist and shared path access.

Web-based Project information continues to be 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 provided information regarding the following:

- New traffic lights at Oak Flats interchange including an explanatory video;
- The opening of Croome Road (between Grevillea Street and the East West Link);
- Access changes between Yallah and Albion Park; and
- Oak Flats interchange temporary weekend closure.

The latest Project update was released in April 2021 can be viewed at the following web address:

<https://roads-waterways.transport.nsw.gov.au/projects/01documents/albion-park-rail-bypass/aprb-project-update-2021-04.pdf>

Project team members made presentations to over 50 members of the Jamberoo Probus Club and approximately 20 members of the Albion Park Evening VIEW Club at their monthly meetings in May 2021. It was reported that very positive feedback was received from the clubs.

The Project team undertook extensive consultation regarding the Oak Flats interchange weekend closure (scheduled for early June 2021) with nearby residents, businesses, sporting clubs, quarries, buses, emergency services and other stakeholders to mitigate potential impacts from the works. As part of the consultation, the Project team released two animations which explained the detours in place and how the traffic lights will operate at the roundabout. A summary of key community liaison activities completed during the reporting period are noted below.

Activities undertaken during the week of 17 May 2021 included:

- Email campaign to over 700 registered stakeholders;
- Notification with detour map delivered by letterbox to businesses in Durgadin Drive business park (approximately 60 properties);
- Email, letterbox drop and doorknock to over 250 businesses within the Central Avenue, Oak Flats, Stockland Shellharbour, Stockland Retail Park and Central Hotel Shellharbour area;
- Email, letterbox drop and phone calls to Shellharbour City Council, Shellharbour Stadium and Croom Regional Sporting Complex; and
- Notification and follow up calls to transport companies, quarries, emergency services and recreational road-user groups.

Activities undertaken during the week of 24 May 2021 included:

- Email campaign to over 700 registered stakeholders with links to a video-based representation of the proposed Oak Flats interchange detour, details of proposed night works in June 2021, access changes for Albion Park and Croome Rd re-opening;
- Letterbox drop to approximately 1,250 properties to provide notification of works and detour maps associated with the Oak Flats interchange works; and
- Notification and follow up calls to emergency services and transport companies.

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 and there is a strong focus on proactive community engagement.

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

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

No (0) reportable environmental incidents, as defined in accordance with Infrastructure approval condition A38, occurred during the reporting period.

4.5.1 Aviation Management Plan

The ER endorsed the most recent update (version 7) of the Aviation Management Plan (AMP) for Shellharbour Airport (inclusive of Aviation Method of Working Plan [MoWP]) on 16 October 2020 following the authorisation of the Assistant Airport Manager.

Consultation associated with a proposed minor amendments to the AMP (including MOWP) was in progress during May 2021.

The Wings over Illawarra air show is currently scheduled to be held during November 2021 and liaison with the event organisers, Airport operator and the Project team will continue as necessary to ensure construction works will not adversely impact the proposed show.

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. As discussed within Section 3 of this report, some updates to Sub-plans and environmental monitoring programs are proposed as the Project transitions from construction to operation. Required regulatory agency consultation has commenced as part of the amendment process.

5 SITE INDUCTION PROCESS

The ER's most recent review of the environmental management-related content of the site induction was completed during January 2021. At that time 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 July 2021.

6 MEETINGS

6.1 Environmental Review Group

The eighth Environmental Review Group (ERG) meeting for the Project (ERG Meeting No. 8) was held on 23 March 2021. 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 next ERG meeting is scheduled for mid to late 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;
- Proposed updates and review of post approval documentation;
- Scheduled Out of Hours Work to be completed in accordance with the Project Environmental Protection Licence;
- 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

No significant environmental issues were observed by the ER during the May 2021 site visits and it was apparent that there continued to be a high level of compliance with Infrastructure approval conditions, management plan commitments and EPL conditions. It was pleasing to note that the generally minor issues identified during previous site visits were being actively addressed and the Project team remained focused on minimising and stabilising the construction footprint to reduce potential environmental risks.

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 and there is a strong focus on proactive community engagement. It is noted that as the Project transitions to operation, additional community liaison has occurred through a range of successful mechanisms.

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 Inspection Report:

04 May 2021

18 May 2021


ENVIRONMENTAL INSPECTION REPORT¹

<p>PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p>WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)</p>	<p>DATE OF INSPECTION: 04 May 2021</p> <p>ATTENDEES: Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan), Richard Peterson (SNC-Lavalin – Independent Environmental Auditor) and Toby Hobbs (Vantage)</p>	<p>WEATHER CONDITIONS: Light rain, 20°C</p> <p>PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes</p>	<p>STATUS:</p> <p style="text-align: center;">●</p> <p>Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
1	Bridge 3/4 and Fills	<p>Hydro-seeding and landscape planting works nearing completion along with other finishing and drainage works. Very good results evident. Redundant controls have been removed and housekeeping is of a high standard – well done.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A		




ENVIRONMENTAL INSPECTION REPORT¹

<p>PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p>WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)</p>	<p>DATE OF INSPECTION: 04 May 2021</p> <p>ATTENDEES: Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan), Richard Peterson (SNC-Lavalin – Independent Environmental Auditor) and Toby Hobbs (Vantage)</p>	<p>WEATHER CONDITIONS: Light rain, 20°C</p> <p>PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes</p>	<p>STATUS:</p> <p style="text-align: center;">●</p> <p>Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
2	Bridge 8-10 and Fills	<p>Landscape plantings are nearing completion. House-keeping standard is excellent. Recycling of materials for aggregate in shared path on-going which is a great sustainability initiative.</p> <div style="display: flex; flex-direction: column; align-items: center;">    </div>	GEN-POS	N/A		

ENVIRONMENTAL INSPECTION REPORT¹

PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)		DATE OF INSPECTION: 04 May 2021			WEATHER CONDITIONS: Light rain, 20°C		STATUS:  Green
WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)		ATTENDEES: Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan), Richard Peterson (SNC-Lavalin – Independent Environmental Auditor) and Toby Hobbs (Vantage)			PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes		
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE	
3	East West Link noise mound	Some variability in vegetation strike noted, however native plants appear to be propagating. Please monitor cover to ensure appropriate stabilisation.  	ESC-DAU	Low	FH will continue monitor native vegetation strike. Root strength remains intact with no signs of slope stability issues	17/5/21	




ENVIRONMENTAL INSPECTION REPORT¹

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
4	Southern tie-in	<p>Enhanced erosion controls in place as per ESCP. Topsoil of batter on lower cut benches in progress. Clean out of invert of drainage channels at base of eastern batter required to assist in managing off-site discharge water quality.</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	ESC-ESNM	Low	<p>Drain cleaned out</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	17/5/21

ENVIRONMENTAL INSPECTION REPORT¹

<p>PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p>WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)</p>	<p>DATE OF INSPECTION: 04 May 2021</p> <p>ATTENDEES: Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan), Richard Peterson (SNC-Lavalin – Independent Environmental Auditor) and Toby Hobbs (Vantage)</p>	<p>WEATHER CONDITIONS: Light rain, 20°C</p> <p>PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes</p>	<p>STATUS:</p> <p style="text-align: center;">●</p> <p>Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
5	Bridge 6	<p>Retained root balls from clearing have been deployed for habitat enhancement with good results evident – well done. Hydroseeding of new channels is in progress. Temporary controls in place as per ESCP. Some minor construction waste present within fill being placed at time of site visit; please remove unsuitable material as necessary in accordance with WMP.</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	<p>GEN-POS</p> <p>WAS-IWS</p>	<p>N/A</p> <p>Low</p>	<p>Waste separation continues during the batter widening works.</p> 	17/5/21

ENVIRONMENTAL INSPECTION REPORT¹

<p>PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p>WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)</p>	<p>DATE OF INSPECTION: 04 May 2021</p> <p>ATTENDEES: Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan), Richard Peterson (SNC-Lavalin – Independent Environmental Auditor) and Toby Hobbs (Vantage)</p>	<p>WEATHER CONDITIONS: Light rain, 20°C</p> <p>PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes</p>	<p>STATUS:</p> <p style="text-align: center;">●</p> <p>Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
						

ENVIRONMENTAL INSPECTION REPORT¹




Issued by: Toby Hobbs Environmental Representative	Issued to: Jacob Cooper Fulton Hogan Date: 04 May 2021	Copy to: Graham Roche (TfNSW), Peter Chudleigh (TfNSW), Warren Blacka (TfNSW), Peter Hawkins (TfNSW), Steve Lappin (TfNSW), Mick LeCerf (TfNSW), Shannon Chisholm (Fulton Hogan) and Tom Dewhurst (Fulton Hogan).
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LEGEND

RECOMMENDED TIMEFRAMES FOR RISK RATING FOR COMPLETION OF ACTIONS	
URGENT	To be addressed straight away and closed out on the day of inspection
HIGH	Within 24hrs*
MEDIUM	Within 3 Working Days*
LOW	Within 5 Working Days*





* To be completed sooner if adverse weather conditions predicted

¹ The format of this Environmental Inspection Report is based on the TfNSW (former) *RMS Guidance Note: Environmental Inspection Reporting (June 2015)*





ENVIRONMENTAL STATUS	
 Red	<ul style="list-style-type: none">actions required to address urgent risk issues.satisfactory actions not taken for high risk issues identified on the previous inspection.a Category 1 incident has been identified during the inspection.
 Amber	<ul style="list-style-type: none">actions required to address high and/or medium risk issues.satisfactory actions not taken for previous medium or low risk issues on the previous inspection.
 Green	<ul style="list-style-type: none">actions required to address low risk issues that will not directly cause environmental harm.site demonstrates good environmental management with no action required to avoid environmental harm.

ENVIRONMENTAL INSPECTION REPORT¹




<p>PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p>WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)</p>	<p>DATE OF INSPECTION: 18 May 2021</p> <p>ATTENDEES: Peter Chudleigh (TfNSW), Stuart Smith (TfNSW), Jacob Cooper (Fulton Hogan) and Toby Hobbs (Vantage)</p>	<p>WEATHER CONDITIONS: Clear, 16°C</p> <p>PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes</p>	<p>STATUS:</p> <p style="text-align: center;">●</p> <p>Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
1	Yallah Road	<p>Site generally well stabilised. Some minor scour repair and clean-out of longitudinal drain required as per SWMP and defect rectification program.</p> <div style="display: flex; flex-direction: column; gap: 10px;">    </div>	ESC-DAU	Low	<p>Drain clean-out will commence 2/6/21 due to booking unavailability's with the drain cleaning subcontractor</p>  <p>Scour repair work will be completed once drain is cleaned out. Further scouring has been prevented by diverting any upslope water flow away from scours with sandbags.</p>	

ENVIRONMENTAL INSPECTION REPORT¹


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WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)		ATTENDEES: Peter Chudleigh (TfNSW), Stuart Smith (TfNSW), Jacob Cooper (Fulton Hogan) and Toby Hobbs (Vantage)			PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes		
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE	
2	Bridge 7/ Frazers Creek	Basin decommissioning and proactive finalisation of works in progress – well done. Please ensure appropriate controls in place as per ESCP until appropriate cover established.  	ESC-DAU	Low	 Area topsoiled and hydromulched	27/5/21	

ENVIRONMENTAL INSPECTION REPORT¹

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WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)		ATTENDEES: Peter Chudleigh (TfNSW), Stuart Smith (TfNSW), Jacob Cooper (Fulton Hogan) and Toby Hobbs (Vantage)			PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes		
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE	
3	Tongarra Road drainage works	Key drainage works are near completion and earthworks team will return to complete fill placement prior to paving. Key controls in accordance with ESCP. Spill kits and concrete wash-out present.	GEN-POS	N/A			
		 					


ENVIRONMENTAL INSPECTION REPORT¹

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
4	Gate 19/ Croome Road	<p>Repairs to Croome Rd nearing completion. Topsoiling in progress to west. Controls in place as per ESCP. Good use of concrete washouts. Water carts in use for dust suppression.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A		





ENVIRONMENTAL INSPECTION REPORT¹

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ENVIRONMENTAL INSPECTION REPORT¹

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
5	Fill 14/Cut 5	<p>Specialist erosion/sedimentation consultant has reviewed controls and made recommendations to improve performance which will be incorporated in to upcoming ESCP amendments as necessary. Drainage invert adjacent commercial building requires additional maintenance to reduce the risk of potential off-site discharge of construction waters. This issue has been previously raised and should be addressed as soon as possible.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	ESC-ESNM ESC-CIS	Low to medium	<p>Project’s soil conservationist provided endorsement of the installed controls and management. PESCP has been updated</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	27/5/21

ENVIRONMENTAL INSPECTION REPORT¹

PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)		DATE OF INSPECTION: 18 May 2021			WEATHER CONDITIONS: Clear, 16°C		STATUS:
WORKS UNDERTAKEN BY: Contractor – Fulton Hogan (FH)		ATTENDEES: Peter Chudleigh (TfNSW), Stuart Smith (TfNSW), Jacob Cooper (Fulton Hogan) and Toby Hobbs (Vantage)			PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes		 Green
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE	
					Additional maintenance including de-silting has occurred. Hydromulch booked in for 2/6/21		

ENVIRONMENTAL INSPECTION REPORT¹




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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
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 12, 01 December 2020	16 December 2020	Yes
Construction Compliance and Monitoring Report, Report 3 (08 July 2020 – 07 January 2021), Rev. 1, 24 February 2021	25 February 2021	Yes
<i>Site Audit Statement No. 1508-1904 (25 February 2021)</i>	02 March 2021	Yes
<i>Site Audit Report 1508-1904 Albion Park Bypass Princes Highway, Yallah NSW 2530 (26 February 2021, Ref. 19040)</i>	02 March 2021	Yes
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 15, 08 January 2021	05 March 2021	Yes

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?



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