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

ENVIRONMENTAL REPRESENTATIVE'S MONTHLY REPORT – APRIL 2019

Date of Issue: 09 May 2019 Job Reference: AL17-274-2

Environmental Representative:

Toby Hobbs - Principal

Report No.: AL17-274 ER April 2019 Report

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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
СоА	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
EIR	Environmental Inspection Report
EIS	Environmental Impact Statement
ER	Independent Environmental Representative nominated by Roads and Maritime and approved by DP&E
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
(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

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Term	Definition
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
UDLCS	Urban Design and Landscape Character Strategy

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INTRODUCTION

This document presents the Environmental Representative's (ER) monthly report for 01 – 30 April 2019 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 under Section 115ZB of the Environmental Planning and Assessment Act 1979 on 30 January 2018. A modification (MOD 1) was approved by DP&E 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;
- Thirteen new bridges;

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- · 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 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 (Roads and Maritime) 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 of April 2019 the following program of site-based activities occurred including:

- Bulk earthworks including placement of fill materials and construction of the Green Meadows detention basin;
- Maintenance and installation of environmental controls including sediment basins, clean-water diversion drains and stabilised site access points;
- Management of potentially contaminated materials;
- Fencing;
- Clearing;
- Utility adjustments; and
- Survey and set-out.

Aerial photographs of the project corridor that show active work areas are presented below.

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Figure 1: Aerial view of Cut 5 of the Project during April 2019 (looking towards the southeast). Initial works in this area focussed on the installation of drainage controls.



Figure 2: Aerial view of Fill 8 of the Project during April 2019 (looking towards the northeast). Project sustainability initiatives have been trialled at this location via the use of imported coal wash/rejects as fill material.

3 STATUS OF ENVIRONMENTAL DOCUMENT REVIEW

The date of issue of 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. Approval of the noted plans was provided by DP&E between 07 and 21 December 2018.

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

Plan Name and Details	Date of Issue of ERs Endorsement	Date of DP&E Approval
Waste and Energy Management (Appendix B7), Rev. 4, 12 October 2018	12 October 2018	N/A: Provided to DP&E for information only
Contaminated Land Management Sub-plan (Appendix B9), Rev. 4, 10 December 2018	12 October 2018	N/A: Provided to DP&E for information only
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 9, 28 November 2018	27 November 2018	07 December 2018
Noise and Vibration Sub-plan (Appendix B3), Rev. 6, 12 November 2018 inclusive of Construction Noise and Vibration Monitoring Program	13 November 2018	07 December 2018
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	07 December 2018
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	07 December 2018
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	07 December 2018
Heritage Management Sub-plan (Appendix B5), Rev. 8, 05 December 2018	05 December 2018	29 November 2018*
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 11, 10 December 2018	10 December 2018	29 November 2018*
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 11, 10 December 2018	10 December 2018	21 December 2018 (approved for first 6 months of construction then update required)

^{*}DP&E approval was subject to further updates which were subsequently addressed

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EVALUATION OF CONSTRUCTION ACTIVITIES

4.1 Site Monitoring

The ER completed one (1) site visit to view the Project works on 16 April 2019. The site visit involved an inspection of on-site works as well as an assessment of general compliance with associated Project Approval conditions.

A copy of the Environmental Inspection Report (EIR) that was used to record site observations is presented as Appendix A. The EIR contains an on-site checklist developed by Roads and Maritime 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 visit are listed below.

Date of Site Visit	Personnel Present
16 April 2019	Matthew Leslie, Roads and Maritime Services Peter Chudleigh, Roads and Maritime Services Jennifer Rowe, Department of Planning and Environment Chris Kelly, Environment Protection Authority Shannon Chisholm, Fulton Hogan James Diamond, Fulton Hogan Toby Hobbs, Vantage
	Senior construction representatives present for relevant areas of responsibility during site visit.

It is noted that a brief site visit was also conducted with Project and government agency representatives as part of an Environmental Review Group meeting during April, however an inspection report was not generated following that site visit.

Key items discussed and viewed during the site visits of April 2019 included:

- Stabilisation of disturbed areas and preparation for rainfall events;
- Installation and maintenance of erosion/sedimentation controls;
- Management of site access points and tracks to reduce potential for dust generation and offsite mud-tracking;
- Incident management and vegetation clearing protocols;
- Establishment and maintenance of boundary fencing and exclusion zone fencing;
- Planning for works within/adjacent to waterways and creek realignment;
- Preparation and site management protocols for the Easter shut-down period; and
- Community consultation and complaints handling.

4.2 Site Issues

Overall, the standard of environmental management associated with the construction activities that were in progress during April 2019 was generally satisfactory apart from one (1) incident related to non-approved vegetation clearing as noted below.

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A total of 37.2mm of rainfall was recorded at the Albion Park (Wollongong Airport) Bureau of Meteorology weather station during April 2019, which was lower than the average reported rainfall for April of 72.0mm for the same weather station.

Following the site visit of 16 April 2019, the Environmental Inspection Checklist status of the site was reported as "green" because environmental controls in those areas of the site that were reviewed were deemed to be appropriate and consistent with regulatory and Project Approval requirements.

On 04 April 2019, an incident occurred where approximately 14 trees were cleared from a location outside of the approved project boundary without approval. The area of unauthorised clearing was approximately 0.047 ha and was within an area mapped as the NSW listed endangered ecological community (EEC) "Illawarra Lowlands Grassy Woodland in the Sydney Basin Bioregion" (ILGW) and as the critically endangered ecological community (CEEC) "Illawarra and South Coast Lowland Forest and Woodland" (ISCLFW).

Both the NSW Department of Planning and Environment and federal Department of the Environment and Energy were notified of the incident within required timeframes and in accordance with relevant approval conditions.

Following the incident an ecologist was retained to undertake a Test of Significance (ToS) and Significant Impact Criteria (SIC) test and concluded that:

- The felling of the trees was unlikely to constitute a significant impact and would not increase the risk of ILGW becoming extinct within a 5 km radius of the subject site; and
- Consequently, no further assessment was required.

In accordance with a request from DP&E, a detailed incident report was prepared by the Project team and issued to the Department on 03 May 2019.

Apart from the above noted incident there were no (0) other non-conformities identified with respect to the Infrastructure Approval and Environment Protection Licence (EPL) requirements.

4.3 Community Consultation and Complaints Register

To assess the outcome of the Project community consultation and complaints registration process, the ER held periodic discussions with Roads and Maritime and Fulton Hogan personnel and completed 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 the 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 seven (7) complaints raised during the current reporting period that related to environmental management matters associated with construction activities:

- Three (3) complaints related to perceived dust impacts associated with works;
- Two (2) complaints related to noise concerns;
- One (1) complaint related to vibration concerns; and
- One (1) complaint related to increased traffic concerns.

The community liaison team and project Environmental Manager consulted with the complainants following receipt of the complaints and, where necessary, additional management measures were

implemented. Based on the information provided by the Project team, it is considered that the complaints were handled appropriately. It is further noted that in some instances the complaints that were received did not related to Project works. In addition, consultation with EPA representatives occurred where necessary as part of the complaint management and resolution process.

Out of Hours Works (OOHW) were conducted in accordance with the Infrastructure Approval and Environmental Protection Licence during the current reporting period to facilitate utility relocations and the placement of safety barriers. There were no (0) reported complaints associated with the OOHW.

On-going consultation with stakeholder groups, agency representatives and residents within the area of the Project corridor regarding upcoming works were also completed by Roads and Maritime and Fulton Hogan during the current reporting period. This correspondence was noted within the Consultation Manager database.

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

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

The most recent Project update for the public was released during November 2018 and can be viewed at:

https://www.rms.nsw.gov.au/documents/projects/illawarra/albion-park-rail-bypass/albion-park-railproject-update-nov-2018.pdf

A Resident Notification was issued discussing out of hours work for utility service relocations on the Illawarra Highway during February 2019 and can be viewed at:

https://www.rms.nsw.gov.au/documents/projects/illawarra/albion-park-rail-bypass/albion-park-railbypass-notification-major-construction-feb-2019.pdf

Routine consultation with stakeholders within the Project works area regarding current and future construction works was completed by the Community Liaison team during April 2019. It is also noted that Fulton Hogan and Roads and Maritime personnel were going to be available to consult with the public at a Project display at the Wings Over Illawarra air show held during May.

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

Based on the ER's review, and consultation that was undertaken in April 2019, it is apparent that site works and management practices were generally consistent with CEMP commitments and Approval Conditions associated with the Project apart from the one (1) incident associated with unapproved vegetation clearing that was a reportable environmental incident in accordance with Infrastructure Approval Condition A38.

4.4.1 **Aviation Management Plan**

During the current reporting period, information was provided by Fulton Hogan personnel regarding monitoring requirements within the Aviation Management Plan (including Method of Working Plan [MoWP]). In particular, a weekly inspection checklist was provided as well as evidence of on-going review and implementation of the MoWP. Fulton Hogan and Roads and Maritime personnel confirmed that regular meetings continue to be scheduled with the operator of the Illawarra Regional Airport and the most recent discussions were held during April 2019 regarding required management procedures for the Wings Over Illawarra air show. It is understood that Illawarra Regional Airport personnel continue to manage the development and issue of NOTAMs as well as complete necessary monitoring.

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4.5 Review of Corrective/Preventative Measures

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

4.6 Requested Changes to Project CEMP

None currently requested.

5 SITE INDUCTION PROCESS

The ER conducted a detailed review of the content of the site induction for the Project works during January 2019. 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 induction review will be undertaken during July 2019.

6 MEETINGS

6.1 Environmental Review Group

The second Environmental Review Group (ERG) meeting for the Project (ERG Meeting No. 2) was held on 09 April 2019. The meeting involved a round table discussion with attending ERG Members as well as representatives of the Roads and Maritime and Fulton Hogan management, construction and environment teams. A site visit was also conducted.

The following personnel were present at the meeting:

- Peter Hawkins, NSW Roads and Maritime Services;
- David Ledlin, NSW Roads and Maritime Services;
- Peter Chudleigh, NSW Roads and Maritime Services;
- Kamlesh Prajapati, NSW Roads and Maritime Services;
- Matthew Saviana, Fulton Hogan;
- Sam Leigh, Fulton Hogan;
- Shannon Chisholm, Fulton Hogan;
- Nathan Russell, Fulton Hogan;
- James Diamond, Fulton Hogan;
- Mitch Tulloch, Fulton Hogan;
- Jacob Cooper, Fulton Hogan;
- Tom Dewhurst, Fulton Hogan;
- Adam De Clouett, Shellharbour City Council;
- Jennifer Rowe, NSW Department of Planning & Environment;
- Chris Kelly, NSW Environment Protection Authority;
- Sally Perry, NSW Environment Protection Authority;
- Kym McNamara, NSW Office of Environment & Heritage (Heritage);

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- Toby Hobbs, Vantage Environmental Management; and
- Cameron Weller (CW), Hutchison Weller.

The ERG meeting was well attended and covered a range of topics associated with the Project and included a site visit to key Project areas. In general, all attendees provided positive feedback regarding the planning of works, proposed environmental management strategies and stakeholder consultation.

Meeting notes are presented within Appendix C of this report. The next ERG meeting is scheduled to be held on 16 July 2019.

6.2 Other Meetings

During the current reporting period the ER attended routine meetings associated with administrative matters such as development of management documents and planning for upcoming construction activities.

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 and endorsements associated with the Project that have been issued since appointment on 08 February 2018 is provided within Appendix B of this report.

7.3 Directions/Advice/Requests

During April 2019, the ER provided written and verbal correspondence to Fulton Hogan and Roads and Maritime personnel regarding environmental management strategies associated with the Project.

8 ADDITIONAL SERVICES DIRECTED BY ROADS AND MARITIME SERVICES

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

9 DOCUMENTATION RECEIVED FROM ROADS AND MARITIME SERVICES AND OTHER PARTIES

During April 2019, the ER received correspondence from Roads and Maritime and Fulton Hogan relating to the following:

- Incident management and reporting;
- Information associated with the close-out of issues identified during routine site visits as documented on the Environmental Inspection Report (EIR);
- Community consultation and complaints handling information;
- Updates to Post-Approvals documentation and monitoring data associated with approval management plans and strategies; and

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• Information related to on-going construction works and upcoming works associated with the broader Project area.

10 CLOSING COMMENTS

Based on the site visit completed during April 2019, review of Project documentation and discussions with Project personnel, the ER considers that relevant environmental management objectives were met and the current Project works were generally consistent with Project Approval conditions apart from the one (1) noted incident related to un-approved vegetation clearing. A detailed report related to the incident was prepared by the Project team and issued to the Department on 03 May 2019.

It is noted that the site was adequately prepared for the Easter shut-down period and there were no site-based issues or community complaints raised during that time.

11 LIMITATIONS

This report has been prepared in accordance with NSW Department of Planning 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 (Vantage) 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 NSW Roads and Maritime Services, 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 NSW Roads and Maritime Services, the NSW Department of Planning and Environment and Vantage Environmental Management Pty Ltd.

Appendix A

Environmental Inspection Report:

16 April 2019

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PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan **DATE OF INSPECTION: 16 April 2019**

ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit.

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
1	Fill 8	Site access has been appropriately maintained with regular sweeping of roadways occurring. Import of fill material continuing. Agreed controls in place. Topsoiling of fill batter has commenced in preparation for hydro-seeding as part of progressive stabilisation program. Some maintenance of stockpile perimeter sediment fencing required. It is noted that a good effort has been made to maintain ground cover as part of erosion/sedimentation management.	ESC- ESNM	Low	Sediment fence replaced with earth bund	18/04/2019



PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan **DATE OF INSPECTION: 16 April 2019**

ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit.

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

	responsibility during site visit.				
LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
				(CONTRACTOR NIVIS)	OUTDATE
	LOCATION	LOCATION ISSUE/COMMENT			LOCATION ISSUE/COMMENT CODE PISK ACTION



PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan **DATE OF INSPECTION: 16 April 2019**

ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit.

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
2	Croome Road EEC incident site	A description of clearing works that occurred was provided by Fulton Hogan personnel. The extent of required exclusion zone fencing was also discussed as it was noted that fencing was not in place for the incident area due to public access concerns.	DOC- WWA	N/A	Noted	



PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan **DATE OF INSPECTION: 16 April 2019**

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WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

STATUS:

Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
3	Fill 13	Clean water diversions in place and EPA-licenced basins are online. 2 water carts are in use to control dust. Basin discharge is scheduled for 18 April 2019.	GEN-POS	N/A	Basin capacity reinstated.	18/04/2019



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WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

STATUS:

Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
4	Cut 5	Mulch-bunds and drainage-checks have been installed at key areas to provide additional erosion/sedimentation controls over the Easter shutdown period. Additional hydro-seeding is scheduled for 17 and 18 April 2019. Re-shaping of some cut areas is in progress to assist in water managmeent, i.e. directing water to basins. Ongoing stabilisation of disturbed areas will be required.	ESC-DAU	Low	Addition hydromulching undertaken and diversion drains into basins installed	18/04/2019



PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)

WORKS UNDERTAKEN BY:Contractor – Fulton Hogan

DATE OF INSPECTION: 16 April 2019

ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

		responsibility during site visit.				
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
5	Fill 3	Enhancements to erosion/sedimentation controls are in progress in preparation for Easter shutdown period. Sweeping of site access and local roads was noted to be progress at time of site visit. Stockpiles have been sprayed with soil binder and site housekeeping is of a high standard. Imported fill with fragments of bonded asbestos sheeting have been identified and this material has been segregated and will be returned to the supplier. As per comments from EPA and DP&E, please ensure appropriate records of material transfer and testing are retained. Retained root balls from tree clearing that will be reused in the future were noted on site. Minor re-shaping of fill required to aid dirty water flow to sediment basin.	GEN-POS DOC-GEN ESC- ESNM	N/A N/A Low- mediun	Drains cut to ensure runoff flows into sediment basin. Gypsum deployed into drains and basin inlet	18/04/2019



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WORKS UNDERTAKEN BY:Contractor – Fulton Hogan

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ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit.

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

		responsibility during site visit.					
NO.	LOCATION	ISSUE/COMMENT	CODE	RIS	SK .	ACTION (Contractor or RMC)	CLOSE
						(Contractor or RMS)	OUT DATE



PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan **DATE OF INSPECTION: 16 April 2019**

ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

STATUS:

Green

		responsibility during site visit.				
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
6	Gate 2 (Cavatale Property)	Secured spill kits on site and signed boundary fencing in place. A range of erosion/sedimentation controls have been installed across works area with protection of water quality within Duck Creek a key objective. It is noted that some additional stabilisation of disturbed areas will be required prior to the Easter shutdown period.	GEN-POS ESC-DAU	N/A Low to mediu		18/04/2019



PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan **DATE OF INSPECTION: 16 April 2019**

ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

		responsibility during site visit.				
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
		NO ENTRY ENVAORMENTAL PROTECTION AREA				



PROJECT: Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

WORKS UNDERTAKEN BY:Contractor – Fulton Hogan

DATE OF INSPECTION: 16 April 2019

ATTENDEES: Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit.

WEATHER CONDITIONS: Part Cloud, 25°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

STATUS:

NO. LOCATION ISSUE/COMMENT CODE RISK (Contractor or RMS)

CLOSE OUT DATE

ACTION (Contractor or RMS)

EPA Comments:

• Cut 5 works zone was noted as an area that could be subject to potential erosion/sedimentation risks and will therefore require some additional stabilisation prior to the Easter shutdown period.

DP&E Comments:

• Noted site was generally well managed and there are pro-active measures in place to deal with such issues as potentially contaminated materials.

General Comments:



PROJECT: Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

DATE OF INSPECTION: 16 April 2019

responsibility during site visit.

WEATHER CONDITIONS: Part Cloud, 25°C

STATUS:

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan **ATTENDEES:** Matthew Leslie (RMS), Peter Chudleigh (RMS), Jennifer Rowe (DP&E), Chris Kelly (EPA), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION	CLOSE
NO.	LOCATION	1330E/COMMENT	CODE	KISK	(Contractor or RMS)	OUT DATE

- Please ensure continued liaison with Illawarra Regional Airport and that, as per Infrastructure Approval Condition E5, works do not impede the running of the "Wings Over Illawarra" air show on 04-05 May 2019
- Incident Investigation Reporting for EEC clearing outside of Project boundary on 08 April 2019 in progress. Findings of incident report should address information request of DP&E Compliance Team and be submitted no later than 5pm on 03 May 2019. It is understood that the DP&E Compliance Team will continue to liaise with the Post-Approvals Team regarding the incident
- Easter shutdown preparation progressing well with appropriate planning to install required controls in place. Resources will be on standby to manage any significant issues during the shutdown period.

Issued by:
Toby Hobbs
Environmental Representative

Phone: 0420 922 955

Issued to:Shannon Chisholm
Fulton Hogan

Date: 16 April 2019

Copy to: Peter Hawkins (RMS), Warren Blacka (RMS), Steve Lappin (RMS), Mick LeCerf (RMS), David Ledlin (RMS), Kamlesh Prajapati (RMS) Peter Chudleigh (RMS), Nathan Russell (Fulton Hogan), James Diamond (Fulton Hogan), Jacob Cooper (Fulton Hogan) & Tom Dewhurst (Fulton Hogan).



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 *Roads & Maritime Services Guidance Note: Environmental Inspection Reporting (June 2015)*

ENVIRONMEN	ENVIRONMENTAL STATUS					
Red	 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	 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	 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. 					

Appendix B

Summary of ER Certifications and Approvals



APRB Stage 2 Infrastructure Approval Reporting Requirements

Plan/Report Title	Date of Issue of ER Endorsement	Consistent with Infrastructure Approval Conditions?
Staging Report, Rev. 0, 09 February 2018 (prepared for Stage 1 works)	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
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
Ancillary Facilities Management Plan, Rev. 7, 15 November 2018	15 November 2018	Yes
EWMS 3: Site Compound AS06 Establishment, Rev. 2, 16 November 2018	22 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



Professional solutions for your project

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

Appendix C

Environmental Review Group Meeting Notes

ERG No. 2: 09 April 2019





Meeting Notes

Purpose of Meeting	Environmental Review Group Meeting No.	2	
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	Date	09 April 2019

Present	Peter Hawkins (PH), RMS	Jacob Cooper (JC), Fulton Hogan
	David Ledlin (DL), RMS	Tom Dewhurst (TD), Fulton Hogan
	Peter Chudleigh (PC), RMS	Adam De Clouett (ADC), SCC
	Kamlesh Prajapati (KP), RMS	Jennifer Rowe (JR), DP&E
	Matthew Saviana (MS), Fulton Hogan	Chris Kelly (CK), EPA
	Sam Leigh (SL), Fulton Hogan	Sally Perry (SP), EPA
	Shannon Chisholm (SC), Fulton Hogan	Kym McNamara (KM), OEH: Heritage
	Nathan Russell (NR), Fulton Hogan	Toby Hobbs (TH), VEM
	James Diamond (JD), Fulton Hogan	Cameron Weller (CW), Hutchison Weller
	Mitch Tulloch (MT), Fulton Hogan	
Apologies	Scott Fayers, RMS	Jillian Reynolds, DPI: Fisheries
	Warren Blacka, RMS	Jeremy Morice, DPI/NRAR
	Jacqui McLeod, DP&E	Tuesday Heather, SCC
	Chris Page, OEH	Peter Nunn, WCC
Distribution	All	
Abbreviations	APRb – Albion Park Rail bypass	OEH – NSW Office of Environment &
	DP&E – NSW Department of Planning &	Heritage
	Environment	RMS – NSW Roads & Maritime Services
	DPI – NSW Department of Primary Industries	SCC – Shellharbour City Council
	EPA – NSW Environmental Protection Authority	VEM – Vantage Environmental
	ER – Environmental Representative	Management
	NOW – NSW Office of Water	WCC – Wollongong City Council
	NRAR – Natural Resources Access Regulator	

Item

1 Introductory Comments

- Welcome to all including NSW government agency representatives, RMS management personnel and Fulton Hogan management personnel
- General format of meeting discussed and introductions completed

2 Construction Update – MS (Fulton Hogan)

- Design and construction progress report
- Summary of upcoming works
- Incident of 08 April 2019 related to vegetation clearing was discussed and confirmation provided that investigation and incident reporting has commenced
- See attached excerpts from Fulton Hogan presentation that was provided during the meeting

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

Members of the project environmental and sustainability team provided a presentation to the group (excerpts attached) which covered the following points:

- Environmental monitoring and compliance
- Discussion of effectiveness and status of environmental controls
- Update on waterway and clearing works
- Update on "Beyond Compliance" strategy
- Community consultation
- Update on operational noise and at-house treatments
- Sustainability initiatives and opportunities
- Erosion and sediment control initiatives and total catchment management
- Ecological management
- Floodplain management including coal wash soft soil treatment
- Airspace management
- Out of hours works

4 Site Visit

A site visit was conducted to view the project alignment.

Item

5 Comments from ERG members

The following comments were provided by attendees:

- ADC (SCC) and PH (RMS) commented that the potential for dust generation due to higher winds during the winter months would need to be managed as prevailing wind directions could potentially impact receivers.
- TH (VEM) asked if resources would be available to conduct hydro-seeding at short notice
 as this would be valuable in stabilising key area prone to erosion. SC (Fulton Hogan)
 confirmed a range of resources would be available and it was the team's intent to promote
 progressive stabilisation. In the near term, a contract was in place for hydro-seeding and
 a mobile "turf-maker" would also be procured to allow for hydro-seeding and application
 of soil binder at short notice.
- JR (DP&E) noted that reporting, in accordance with Condition A38 of the Infrastructure Approval, would be required following the vegetation clearing incident of 08 April 2019 and it was important that the nominated timeframes for reporting were adhered to.

7 Next Meeting

It is proposed that the next ERG meeting will be held in 16 July 2019.



Albion Park Rail bypass

Environmental Review Group Meeting 2 Main Site Compound, 9 April 2019





ACKNOWLEDGEMENT OF COUNTRY

Fulton Hogan acknowledge the traditional custodians of the land in which we gather today, the Dharawal, Waddi Waddi and Yuin Nation and pay our respects to all elders: past, present and emerging.

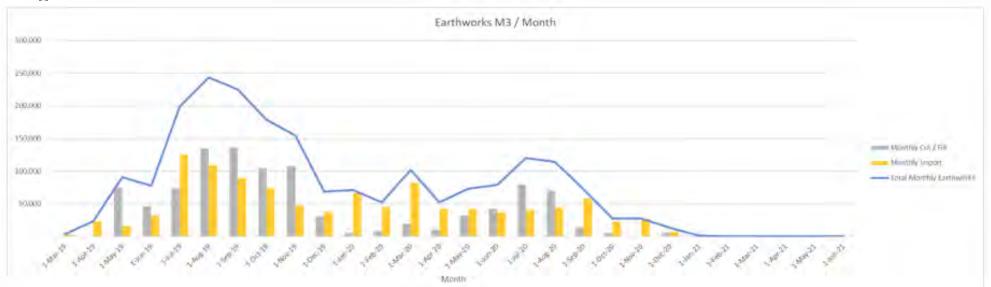






CONSTRUCTION UPDATE – UPCOMING WORKS

- 2.1 Million m³ of fill to complete the project
- 900,000m³ of site Cut to Fill as General Fill
- 1.2M m³ of deficit
 - 600,000m³ import of Coal Wash
 - 600,000m³ import of General Fill
- 820,000 Tonnes of imported material (prioritising reuse of otherwise waste resources)
- 160,000 Tonnes of sustainably sourced Heavily Bound Base
- 13 new bridges





CONSTRUCTION UPDATE – Utilities Scope

Electrical Relocations

- 6 Packages
 - 5km of 33kV and 11kV relocation

Gas Relocations

- 2 Packages
 - 2km of 150mm HP JGN relocation
 - 1,010m2 EGP Protection Structures

Water Relocations

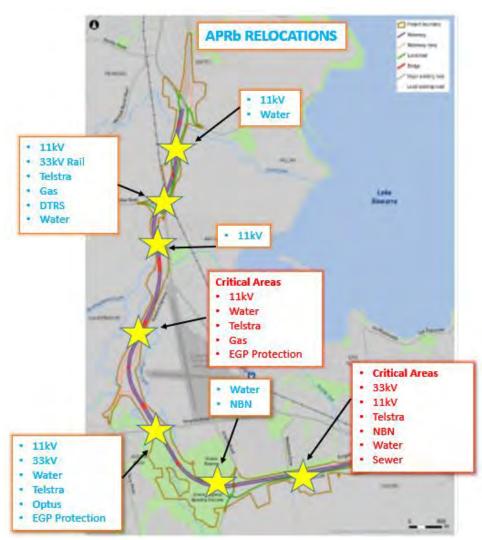
- 4 Packages
 - **3.5km** of water main relocation (500mm/375mm/150mm)

Telco Relocations

- 3 Packages
 - **3.6km** of telecommunication relocation (Telstra/NBN/Optus)

Rail Utility Relocations

- DTRS 25m tower relocation
- 660m of signal and fibre cable relocation
- 600m of 33kV Rail Feeder relocation



































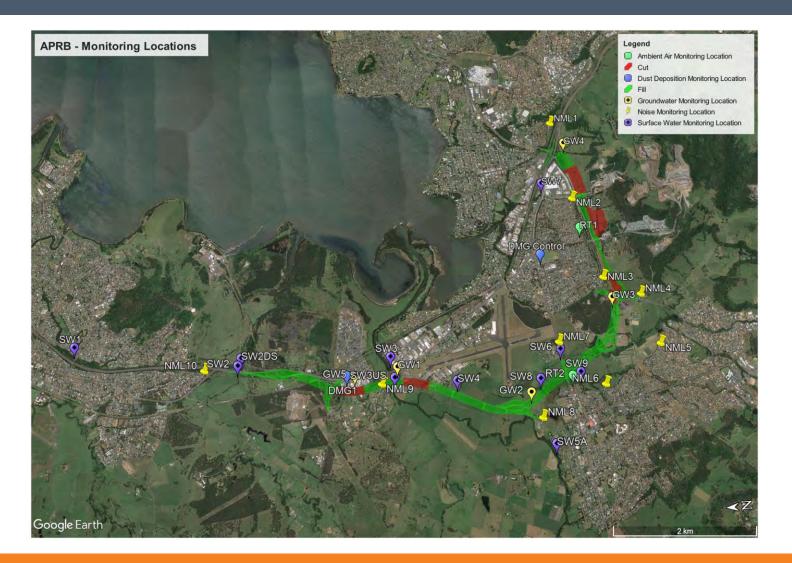


Upcoming Works

- Waterway crossings
- Frazers Creek realignment
- Ongoing catchment management including progressive stabilisation
- Bridge piling and general bridge construction
- Sydney Trains HV upgrade during 2019 schedule of rail possessions
- Utilities adjustments including water, power and communications are ongoing
- Soft soil treatment / Preload coalwash placement and wick drain installation
- Tunnel spoil fill placement and trial night works under agreement from residents
- Drainage works
- General earthworks prioritising Yallah Rd (north) & flood detention at Green Meadows (south)



ENVIRONMENTAL MONITORING & COMPLIANCE



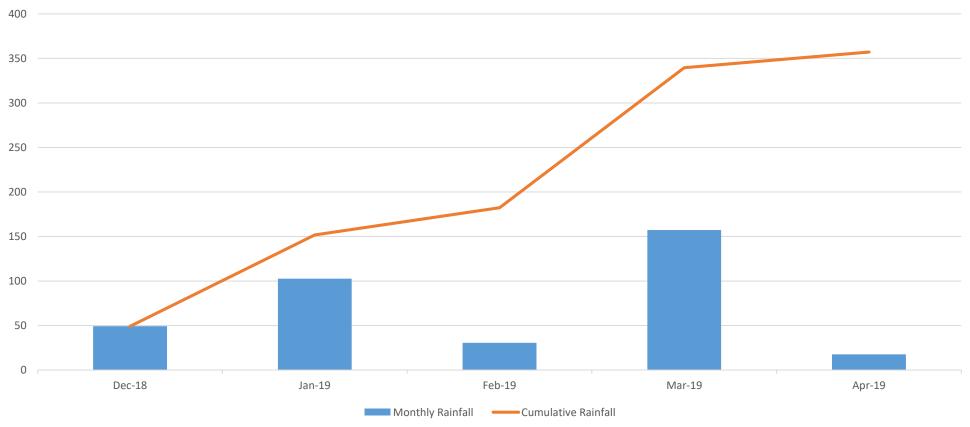




RAINFALL MONITORING

• Graph of BoM rainfall since December





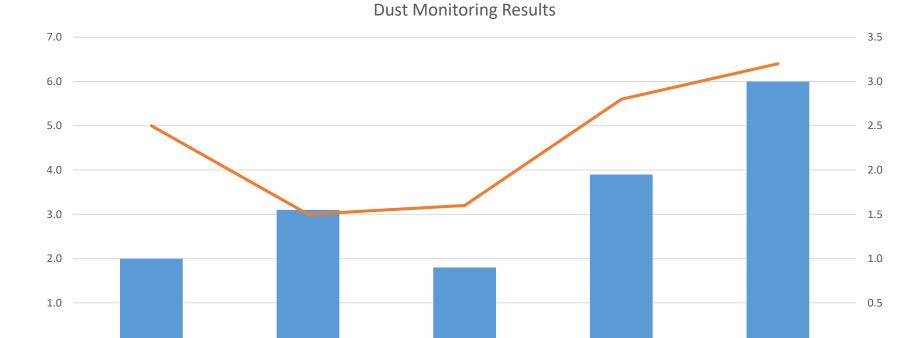


Design and Construction of ALBION PARK RAIL BYPASS

AIR QUALITY MONITORING

Graph of dust deposition since December

Dec-18



Jan-19

DMG1 — DMG Control

Feb-19



0.0

Mar-19

Nov-18

0.0

SUSTAINABILITY

ISCA OPPORTUNITIES REGISTER

- 30 opportunities identified so far
- Addressing impacts such as:
 - waste avoidance & management
 - material reuse
 - energy consumption
 - water quality and reuse
 - Alternative products
 - Ecological enhancement
- More to come!

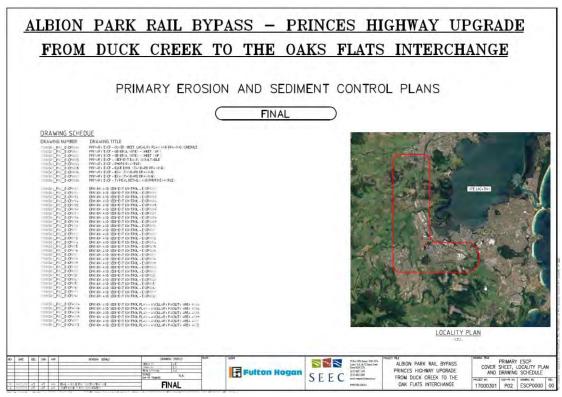




TOTAL CATCHMENT MANAGEMENT

- Enhanced ERSED guided by the ESCP includes engineers, superintendents & RMS during the planning stages.
- Progressive Erosion & Sediment Control Planning to optimise control of the catchments at various stages of work to suit the local conditions
- Early implementation of env control measures iaw FWMS
- Working in or near waterways EWMS
- Early & staged ERSED implementation
- Cut stump clearing
- Waterway protection measures include flagging, signage & bunding
- Temporary diversions
- Early installation of permanent drainage optimising seasonal conditions reduces pollution risk







P.E.S.C.P IMPLEMENTATION IN THE FIELD



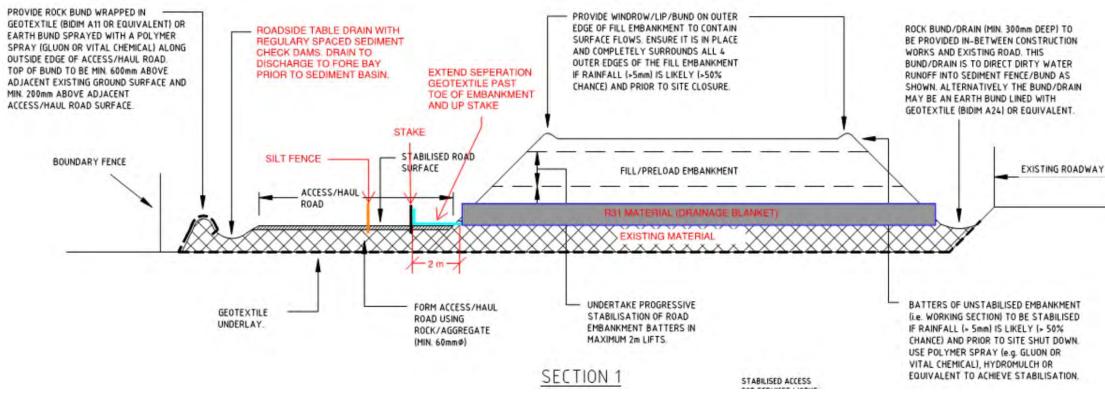


- Upstream diversion channels
- High-vis sediment filter fencing
- Mulch bund checks & filtration
- Rock filter dams
- Velocity dissipation via mitre drains, check dams & slope breaks
- Earth and mulch sumps
- Sediment basins
- Protected clean water flows



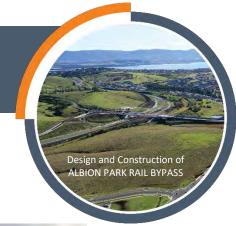
FLOODPLAIN MANAGEMENT





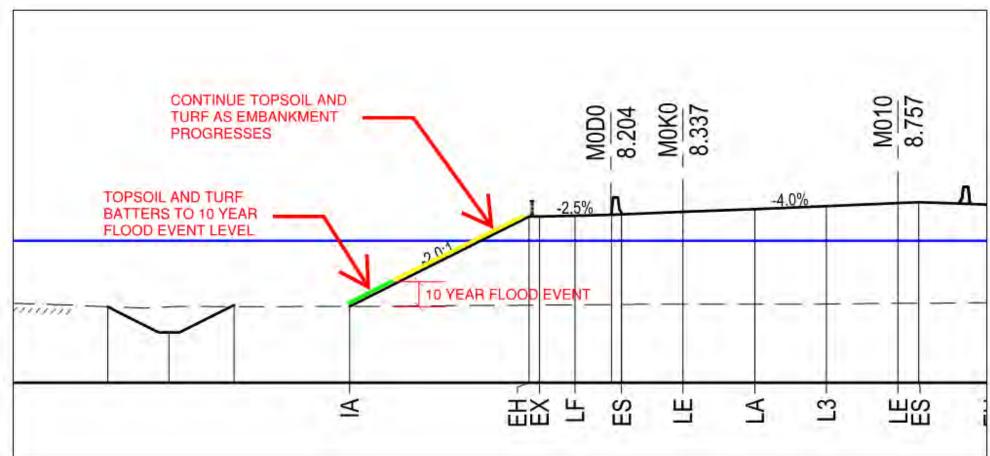
FLOODPLAIN MANAGEMENT







FLOODPLAIN CONTROLS FOR COALWASH FILL

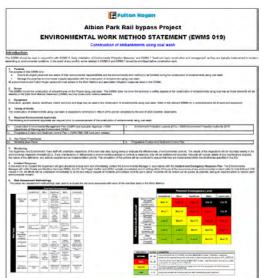




COAL WASH SOFT SOIL TREATMENT









BEYOND COMPLIANCE – YALLAH BUSH REGENERATION

- The Australian PlantBank (Australian Botanical Gardens, Mt Annan) had an existing collection of 183 Eastern Flame Pea seeds (Illawarra population) taken in 2007 near Croome Road conservation area
- 1,242 seeds from the Yallah site have been collected by the project for PlankBank
- "One of the impacts which could not be avoided with this project was the removal of a number of individuals of the threatened plant population of Chorizema parviflorum (or Illawarra Flame Pea). ... the population is of significant conservation value as the last known population in the Illawarra area. Prior to clearing, staff from Fulton Hogan, OEH, Mount Annan Botanic Gardens, RMS and the project's ecological consultants joined forces to collect seed from all individuals to be removed. Seeds were then taken to the Mount Annan Botanic Gardens for storage. More than 1000 seeds were collected and this resource now provides long-term security for conservation of the population. This is a fantastic result given the alternative! OEH recognises the commitment of Fulton Hogan in this process. The Fulton Hogan crew mobilised quickly when the opportunity arose and were genuinely engaged with the seed collection activity." (OEH, 2019)







AIRSPACE MANAGEMENT — ols intrusions

- Use of cranes, boom pumps, piling rigs etc will require an application and approval for their use even if they are **NOT** within the OLS.
- Typical Conditions of Approval to Proceed
- Operation in daylight hours only with agreed working hours and dates
- Fully lower item of plant when not in use or when visibility is compromised
- Daily confirmation with Air Operator by 4:00pm for the next days activities
- Communication with Air Operator on actual raising and lowering of items
- Maintain permanent line of communication with Aerodrome Supervisor
- Any other conditions imposed by Air Operator



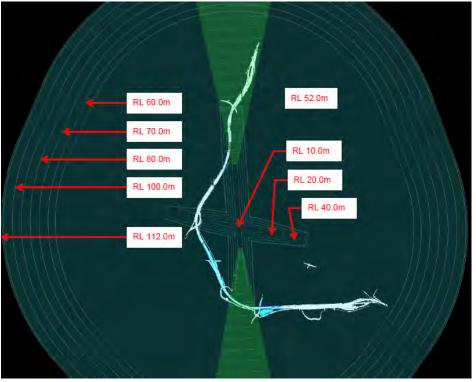


Design and Construction of ALBION PARK RAIL BYPASS

AIRSPACE (OLS) MANAGEMENT







AIRSPACE (OLS) MANAGEMENT KNOWLEDGE SHARING







COMMUNITY CONSULTATION — OUT OF HOURS WORKS



January 2019

Albion Park Rail bypass - major construction work starting shortly

Roads and Maritime Services is building a 9.8 kilometre extension of the M1 Princes Motorway between Yallah and Oak Flats to bypass Albion Park Rail. The NSW Government is delivering the \$630 million project.

Early work has started in preparation for major construction which will start shortly and is expected to be completed by 2022, weather permitting.

Construction activities planned in coming weeks include:

- · utility service investigation and relocation work
- · establishing safe access and egress points for workers and vehicles
- implementing safety and traffic controls and temporarily modifying pedestrian and cyclist access.

Work will generally be carried out during standard hours between 7am and 7pm on weekdays and 8am to 5pm on Saturday, weather permitting

Out of hours work on Illawarra Highway for utility service relocations

Utility service relocation work will be carried out on the Illawarra Highway and East West Link from Monday 4

This work will include trenching, underboring, saw cutting, excavation, installing new conduits, fitting valves and pipes, backfilling and reinstating ground surfaces.

Where possible, these activities will be carried out during standard working hours, however to avoid extended traffic delays and for the safety of road users and bypass workers, some of these activities will take place at night between 7pm and 6am from Monday 4 February for about eight weeks, weather permitting.

We will make every effort to minimise noise during night work by arranging the work in stages at different locations, completing noisier activities earlier in the night and turning off machinery and vehicles when not in use. Environmental controls will also be in place to monitor dust and vibration during work.

How will the work affect you?

rms.nsw.gov.au

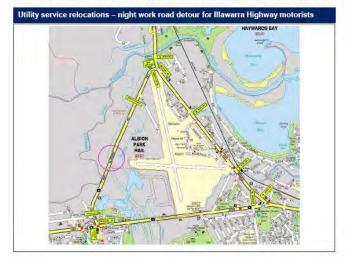
The work will involve the use of machinery such as trucks, excavators, concrete saws, generators and hand tools, which generate some noise, dust and vibration

Some utility service relocation work may result in utility service outages for residents and businesses. The relevant utility service providers will notify any impacted properties separately ahead of any planned outages

A temporary traffic detour during night work will be in place for Illawarra Highway motorists via the Princes Highway and Tongarra Road during utility service relocation work from Monday 4 February. This will add an

General construction activities may require temporary traffic changes to ensure work zones are safe. Lane closures, reduced speed limits and stop / slow traffic conditions may be in place during construction and may affect travel times. Please keep to posted speed limits and follow the direction of traffic controllers and signs.

For the latest traffic updates, you can call 132 701, visit livetraffic.com or download the Live Traffic NSW App.



If you have any questions, would like to register for project updates or have any feedback, please contact the Community Relations Team on 1800 708 727 or by email to APRbypass@fultonhogan.com.au.

Thank you for your patience during this important work

If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 708 727.



rms.nsw.gov.au



April 2019

Additional night work for the import of fill material for the Albion Park Rail bypass

Approximately two million tonnes of imported fill material is required for construction of the bypass at a number of key locations throughout the project.

The current working hours for the import and placement of fill material are:

- . Monday to Friday 7am to 7pm
- Saturdays 8am to 5pm

The project fearn would like to undertake additional shifts outside of standard construction hours for the import and placement of fill material

. Sunday to Thursday 7pm to 6am

These additional shifts would increase the safety of motorists and our workers by limiting the number of truck movements during the day when the roads are busiest. It would also allow the project team to complete the Albion Park Rail bypass earlier than planned.

These extended working hours would be in place until early 2020, when the import and placement of fill

How will the work impact me?

Work will involve import of fill material using trucks and placement of fill material which may involve compactors, lighting towers and generators. The work has been planned to reduce the impact to the community as much as possible and we will limit noisier activities such as compacting to take place earlier in the night and only when necessary.

There will be some impacts associated with the additional night work. We will reduce these impacts by:

- fitting machines with reversing 'squawkers' rather than 'beepers
- . turning machines off when not in use
- planning activities to minimise noise from reversing vehicles
- monitoring noise and adjusting work where required to minimise impact

Albion Park Rail bypass feedback form

Design and Construction of

ALBION PARK RAIL BYPASS

We are seeking your feedback on the proposed extension to work outside of normal construction hours between 7pm and 6am Sunday to Thursday from Sunday 5 May until early 2020.

There will be some noise generated during the extended work hours. We will reduce this noise as much as

- · fitting machines with reversing 'squawkers' rather than 'beepers'
- · turning machines off when not in use
- nlanning activities to minimise noise from reversing vehicles
- · monitoring noise and adjusting work where required to minimise impact

We will continue to be in contact with the community to minimise disruption caused by this work and invite you to contact us on 1800 708 727 if you wish to discuss the proposal in more detail.

1	Yes (If yes, please outline your concerns below)	□ No
Ī		

Do you have any objections or comments on the proposed out of hours activity?

Name:			
Address:			
Signature:	 		

Thank you for your patience during this important work









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