



SPT171819NIRC

Design and Construct – Norfolk Island Airport Pavement Repair and Resurfacing

Progress Report for Quarter 6 ending 30 September 2020

Aileron Edge Pty Ltd ABN 91617180042

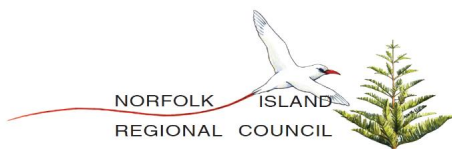
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Contents Amendment Record

This report has been issued and amended as follows:

| Issue | Revision | Description | Date | Signed |
|-------|----------|-----------------------------------|----------|--------|
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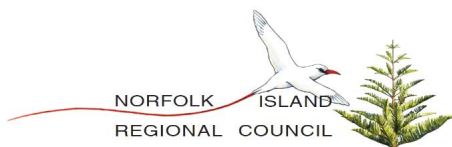
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1 Introduction

1.1 Background

Norfolk Island Airport is managed by Norfolk Island Regional Council (NIRC). In 2017/18, it processed 41 medical evacuation flights, 72 general aviation flights, 233 RPT flights, 22 military flights, and 32,941 passengers of which 86 per cent, were visitors to Norfolk Island. The Airport has an asphalt surface approaching ten years of age and an asphalt overlay of all the aircraft pavements is required to maintain this vital economic link to Australia and New Zealand.

The Civil Aviation Safety Authority (CASA) undertook an assessment of the Airport in 2017 which found that portions of the current runway surface and aprons contain deformities such as cracking and if not rectified, could result in the runway being deemed as unsuitable for commercial aircraft servicing Norfolk Island.

The key project outcomes are;

- to ensure that Norfolk Island Airport runways and apron are resurfaced to address where possible the relevant observations identified in the 2017 CASA assessment, and
- to provide safe access to Norfolk Island by commercial aircraft.

The tender for the Airport Pavement Repair and Resurfacing (D&C) Tender was released in September 2018 to an open market and a site inspection was planned for 7 October 2018, with all submissions to be received before close of business on 11 December 2018 (subsequently extended until 18 December).

The Tender for the Project Management of the D&C Project was released in October 2018 and closed 11 December 2018.

The works are to be delivered as a Design and Construct contract, generally comprising a maintenance asphalt overlay with minor shape correction, patch repairs to Runways 11/29 and 04/22 including surface grooving, Taxiway and Apron including associated flanking works. The asphalt mixture design will be delivered under a performance based AAPA asphalt specification. The airfield ground lighting will be undertaken on Runway 11/29 and Runway 04/22 edge lights, wind indicators, and Precision Approach Pathway Indicator.

1.2 Project Funding

On 3 April 2019 confirmation was received from the Commonwealth that the Norfolk Island Regional Council (NIRC) had been successful in its application for \$43 million to assist in funding the D&C project.





The Grant Agreement (RNIA000001) between the Commonwealth, represented by the Department of Industry, Innovation, and Science and Norfolk Island Regional Council, was executed 4 April 2019.

NIRC were advised 27 June 2019 that the Australian Industry Participation (AIP) plan for the Project had been approved. The AIP plan outlines the actions NIRC and Boral are undertaking to familiarise themselves with the capabilities of Australian industry and provide Australian industry with full, fair and reasonable opportunity to supply goods and services to the project. The plan demonstrates how Boral will not rely on existing supply chains and will communicate the supply opportunities in a transparent manner so that capable Australian industry can bid. An executive summary of the approved AIP plan has been published on the AIP Authority's website. The Contractor will collect evidence during the life of the project so that NIRC can report in detail on how and when the actions in the plan were undertaken. The implementation report is a contractual obligation and is due 14 months from execution of the contract / agreement (4 April 2019) or on completion of the contract (for contracts less than 24 months)

2 Contractual Relationships

2.1 *Contract Administration of the Works*

Aileron Edge Pty Ltd has been appointed as contract administrator for the works comprising the airport project. Kieren Moss will act as the Principals' Representative. The NIRC Principal is Bruce Taylor with Mr Alistair Innes-Walker being appointed as the NIRC Principal's Representative.

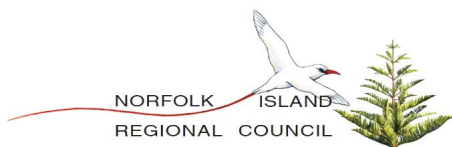
2.2 *Main Contract*

The contract for the design and construction of the civil engineering and airfield lighting works for the airport, known as the Main Contract, was awarded to Boral Resources (QLD) Pty Ltd, at the Ordinary Norfolk Island Regional Council Meeting held 20 February 2019. A letter of Acceptance was issued on 9th April 2019. The contract for the Main Contract was signed by each party (NIRC/Boral) was signed on the 18th October 2019. The original contracted completion date is 10 August 2020.

3 Programme

3.1 *Main Contract*

A copy of the contractor's programme for the works is contained in Appendix A. As noted in 2.2 above the original contracted completion date was 10 August 2020. An inclement weather extension of time to the contract period has been sought and **61-day** extension of time for **Separable Portion 1 – Logistics and Preliminaries** has been granted. Subsequent and ongoing delays have been experienced with pavement works and further inclement weather extension of time to the contract period have been sought and a **24-day** extension





of time for **Separable Portion 3 – Pavement Works** has been granted at this stage. The new date for Practical Completion of Separable Portion 3 – Pavement Works is 8th September 2020.

All critical activities on the contract programme are completed for Separable Portion 3 – Pavement Works and Separable Portion 4 - Runway 11/29 grooving with Practical Completion being granted on 21st August 2020 ahead of programme. The planning of three return journey including Bio-security for Separable Portion 5 is well under way.

4 Progress

4.1 *Main Contract*

Many project activities have been and continue to be impacted by the State of Emergency on Norfolk, specifically the travel restrictions, and isolation requirements for contractors travelling to the Island. This was in addition to inclement weather conditions experienced by the contractor, Boral Resources.

Despite these issues Boral, with Council support, maintained momentum on the works, and Practical Completion of the airfield scope of works was awarded on 21st August 2020. The p demobilisation is planned to be completed prior to Christmas 2020.

4.2 *Airfield Lighting Installation*

The Sub-contractor (Avionics) has provided necessary training of the new control system, all airfield ground lighting and the Airfield Lighting Equipment Room (ALER) building works are complete and have been handed over too NIRC.

4.3 *Quality Management*

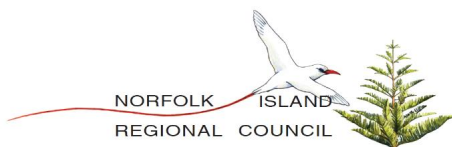
The Project team has closed off all QA lot packs with associated Inspection and Test Plans that have recorded works as installed in accordance with the Quality Management Plan as works are complete. Quality audits were undertaken regularly throughout the project delivery by Aileron Edge.

Thirteen (13) Corrective Action Requests (CARs) have been issued where works have not been completed in accordance with design or the quality required by the contract. Boral have addressed these non-conformances and closed out the Corrective Action Requests.

4.4 *Environmental Management*

The Contractor's Environmental Management Plan (EMP) have been implemented and monitored on an ongoing basis. Environmental audits have been undertaken regularly throughout the project delivery by Aileron Edge.

Three (3) Corrective Action Requests (CARs) relating to hydrocarbon spills have been raised and corrective measures taken.





4.5 **Health & Safety**

The Contractor's Health and Safety Management Plan has been implemented and monitored on an ongoing basis. Health & Safety audits have been undertaken regularly throughout the project delivery by Aileron Edge.

No personal injuries were recorded in this reporting period. No Lost Time Injuries (LTI's) have been recorded for the entire project of over 100,000 man hours.

4.6 **Traffic Management**

The Contractor's Traffic Management Plans have been implemented and monitored on an ongoing basis. No personal injuries were recorded in this reporting period.

4.7 **Bio-security Plan**

The Contractor's Bio-security Plan has been implemented and monitored. The returning barge point of entry requirements have been approved.

4.8 **Emergency Response Plan**

The Contractor met regularly with Norfolk Island Emergency Responders and the plan was implemented and has been monitored. No further meetings are planned at this stage.

4.9 **Method of Works Plan (MOWP)**

Method of Works Plan was developed and circulated for the project and all associated NOTAMs have been cancelled.

4.10 **Approvals**

Council obtained all the necessary approvals for the project. The conditions of approvals have been adopted by the Contractor. The Desalination Plant is being plumbed at Cascade Pier. The Desalination plant will provide water for multiple project activities, reducing demand on local supplies and providing an ongoing resource for the community once the project is completed.

Maintenance activities on the Ball Bay Groyne are being monitored, and reported, as required under the Marine Parks Permit issued to the NIRC.

4.11 **Community Engagement**

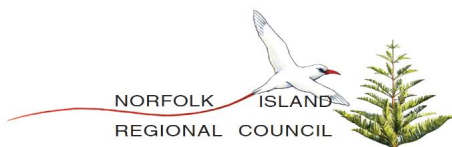
In terms of community engagement, the Contractor has met the community in small groups to provide them with information, Question & Answer factual summary sheets have been posted on the Council Website. The client representative has implemented a social media strategy.

4.12 **Public Relations**

No complaints were received during this reporting period.

4.13 **Site visitors**

Any subcontractors, contractors and visitors to site are undertaking the NIA/Boral induction prior to the site-specific induction. There have been further visitors including the NIRC GM, and councillors, to site during this period. An official opening is being scheduled for next month.





4.14 **Weather conditions**

Rainfall records are now being received from the Bureau of Meteorology weather station at the Norfolk Island Airport. Works were delayed due to inclement weather. 7 inclement weather days were claimed and granted during this reporting period

4.15 **State of Emergency (COVID19) Declaration**

A State of Emergency Declaration by the Administrator on Monday 13th March 2020 has impacted the projects programme, construction methodology, and budget. The contractor has quantified these impacts and NIRC agreed to a variation of \$1,003,558.

Smaller work groups were adopted to try to reduce the risk to the Norfolk Islands small community with an aging demographic, and to mitigate the possible costs of having people in mandated self-isolation. These impacts are being worked through with the Contractor, and Principals' Representative, whilst keeping the COVID19 Incident Controller informed of any decisions being made.

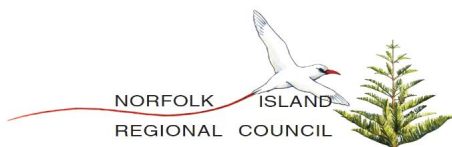
5 **Cash flows**

5.1 **Contract Administration of the Works**

| | |
|--|------------------|
| Contract sum excl GST | \$ 201, 900 |
| Claims issued to date 30 September 2020 excl GST | \$ 315, 100 |
| Anticipated outcome cost excl GST | \$ 393,600 |
| Practical Completion SP 1-4 | 21 August 2020 |
| Demobilisation | 27 November 2020 |
| Variations issued to Date | \$ 191,700 |

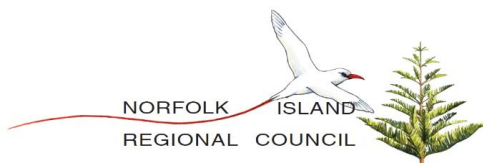
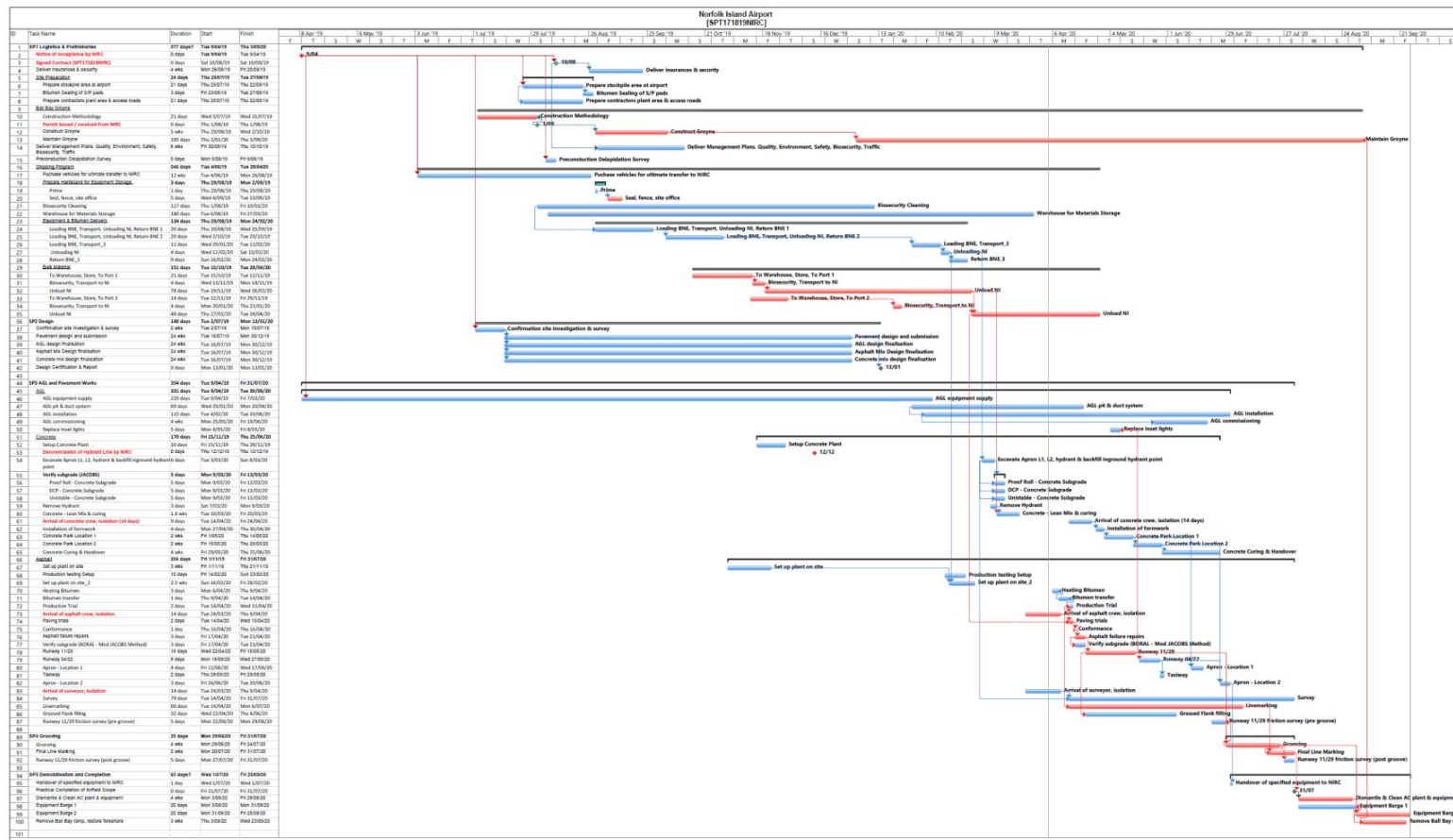
5.2 **Main Contract**

| | |
|--|------------------------------|
| Contract sum | \$ 43,799,793 (excl. GST) |
| Payments certified to date 30 September 2020 | \$ 43,756,851.24 (excl. GST) |
| Anticipated outcome cost | \$ 47,568,193.23 (excl. GST) |
| Practical Completion SP 1-4 | 21 August 2020 |
| Demobilisation | 27 November 2020 |
| Variations issued to Date | \$3,768,400.23 (excl. GST) |





Appendix A – Contractor's Program



APES



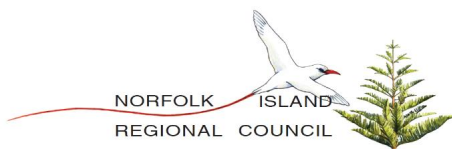


Appendix B – Minutes of meetings

Minutes of meetings;

- a. Progress Meeting held 13 July 2020,
- b. Progress Meeting held 29 July 2020,
- c. Progress Meeting held 12 August 2020,
- d. Progress Meeting held 26 August 2020.

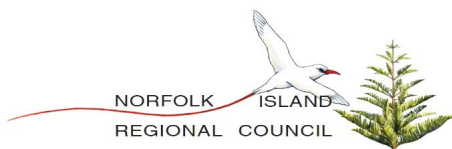
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Appendix C – Boral Monthly Report

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Appendix D – Photographic Record



Paver placement of Asphalt wearing course on Airport Car Park





Airport Car Park



Grooving runway 11/29



Airfield lighting commissioning





Airfield lighting commissioning





Airfield lighting commissioning





Airfield lighting commissioning





Airfield lighting commissioning





Corrective actions





Illuminated Wind Direction Indicator commissioning





Asphalt wearing course placement





Airfield lighting commissioning





Asphalt wearing course placement



Asphalt wearing course placement



Asphalt wearing course placement

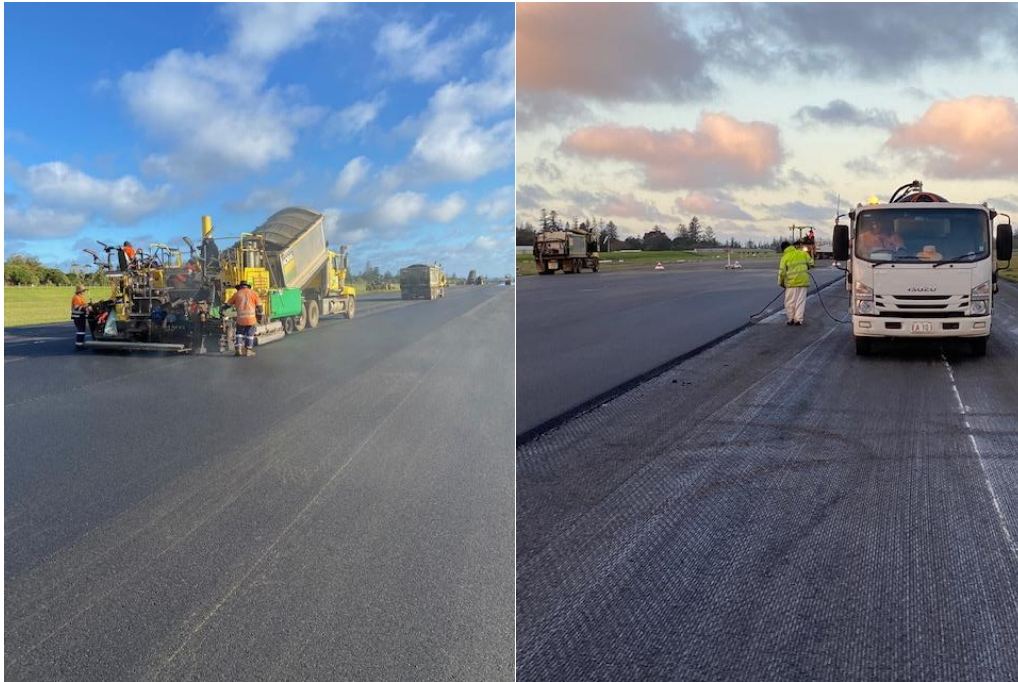


Asphalt wearing course placement



Asphalt wearing course placement





Asphalt wearing course placement





Profiling



Flanking





Asphalt wearing course placement



Asphalt production



Asphalt wearing course placement





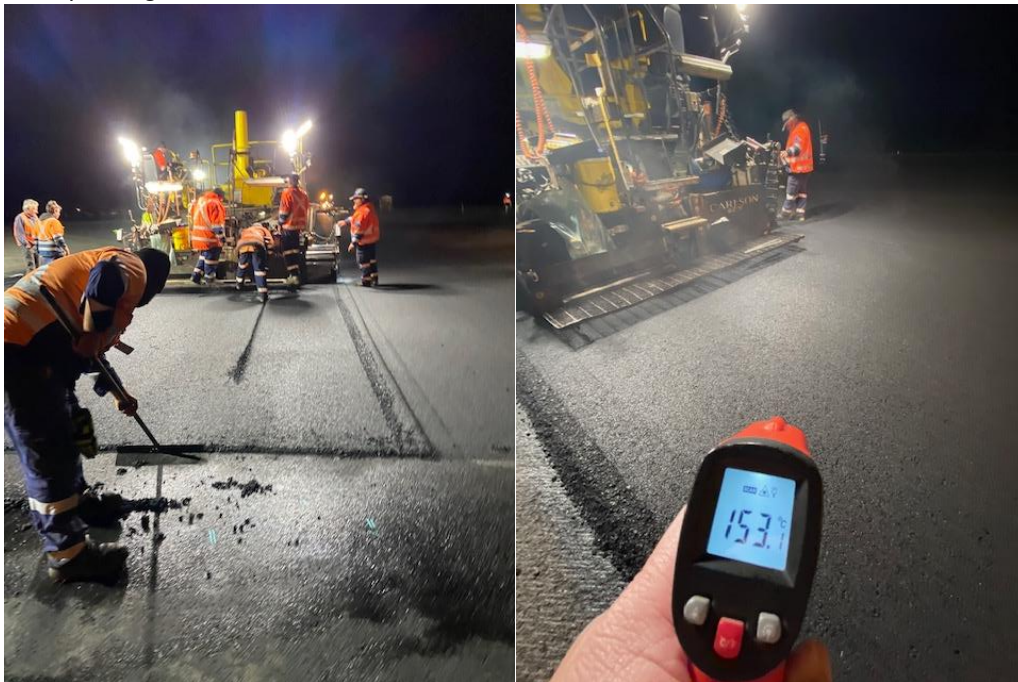
Asphalt wearing course placement



Quality testing



Quality testing





Profiling



Linemarking



Linemarking





Asphalt wearing course placement





Airfield lighting installation





Asphalt wearing course placement



Flanking



Flanking





Airfield Lighting Equipment Room fit out



Airfield Lighting Equipment Room fit out

Desalination plant commissioning



Airfield Lighting Equipment Room fit out





Airfield lighting control system commissioning



Grooving runway 11/29



Grooving runway 11/29





Grooving runway 11/29



Roadworks package



