

NOTICE OF INTENT TO CONDUCT AIRSIDE WORKS
WORKS PLAN: 03
Southern Apron Areas – Airfield Ground Lighting Installs

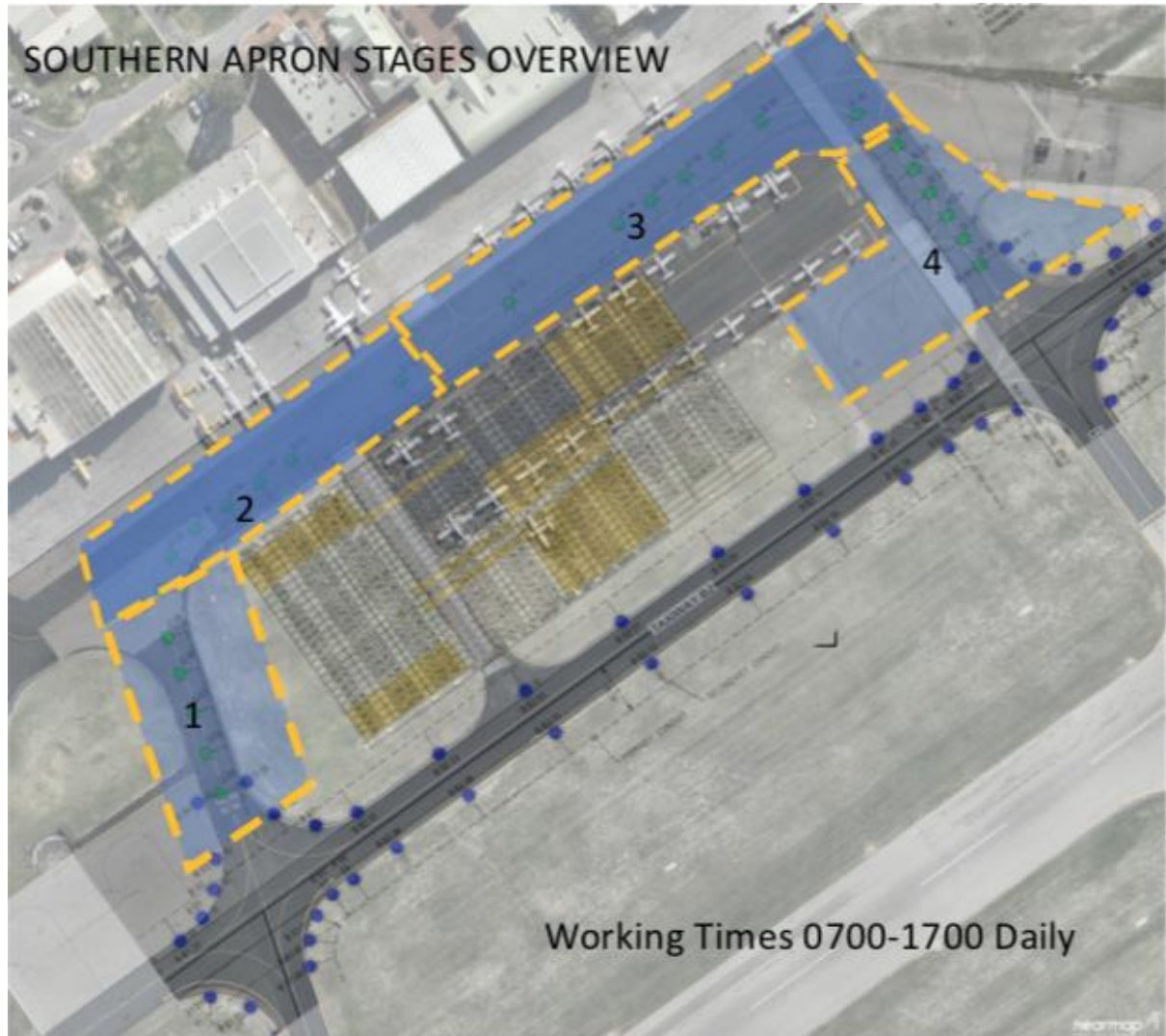


Job Summary	
This works plan is for the works associated with the installation of new Airfield Ground Lighting and Secondary Conduits in the Southern Apron areas. Works are a part of the larger Mast Plan Upgrades project.	
Works are being completed by West Coast Civil and will begin on the 15th July 2019 at 07:00 Local Time. Working hours will be between 0700 and 1700 Daily	
Regulatory	
This works plan is to be used for works that do not impact the manoeuvring area and can be run with approval from ATC. This Works Plan will be issued to ATC a week prior to works commencing after the Weekly Operation Meeting. Any changes will be made at the Weekly Operations Meeting	
Scope of Works	
Commencement Date:	15 th July 2019
Working Hours	0700-1700 Monday to Saturday
Expected Completion Date:	30 th July 2019
Works Activities	<ul style="list-style-type: none"> - Saw Cut Existing Pavement for Cable Installs - Core and Install New Centre Line Lights - Cable and Seal Saw Cuts
Recall Time:	30min Prior Notice
Supervision:	JAH or WCC WSO

Stage		Start Date	End Date	Closure Times	Airfield Restriction
1	Southern Apron Sierra Taxilane	15 th July	15 th July	0700-1700	Stand Off Closure
2	Apron – Airflite & RAC	16 th July	16 th July	0700-1700	Access to Apron Parking
3	Apron - CSFS	17 th July	18 th July	0700-1700	Access to Apron Parking
4	Southern Apron Golf Taxilane	19 th July	19 th July	0700-1700	Access to Apron Parking
5	Additional Day If Required	22 nd July	22 nd July	0700-1700	Access to Apron Parking

Works Team Restrictions	
Stage 2-4 Pull Back for Code B Aircraft Accessing Apron Parking	
Procedures & Contact Details	
SASO	<ul style="list-style-type: none"> • Ensure WSO is Supervising Works • Inspect Works area prior to returning to service
WSO	<ul style="list-style-type: none"> • Set out U/S Cones, Works Limit Lines and Pull Back Lines for each stage • Maintain Listening Watch on Tower Radio • Pull Back Works Team and Equipment when required • Ongoing Inspection of Works Area
ATC	<ul style="list-style-type: none"> • Prepare and Display Works Plan for Sighting Folder

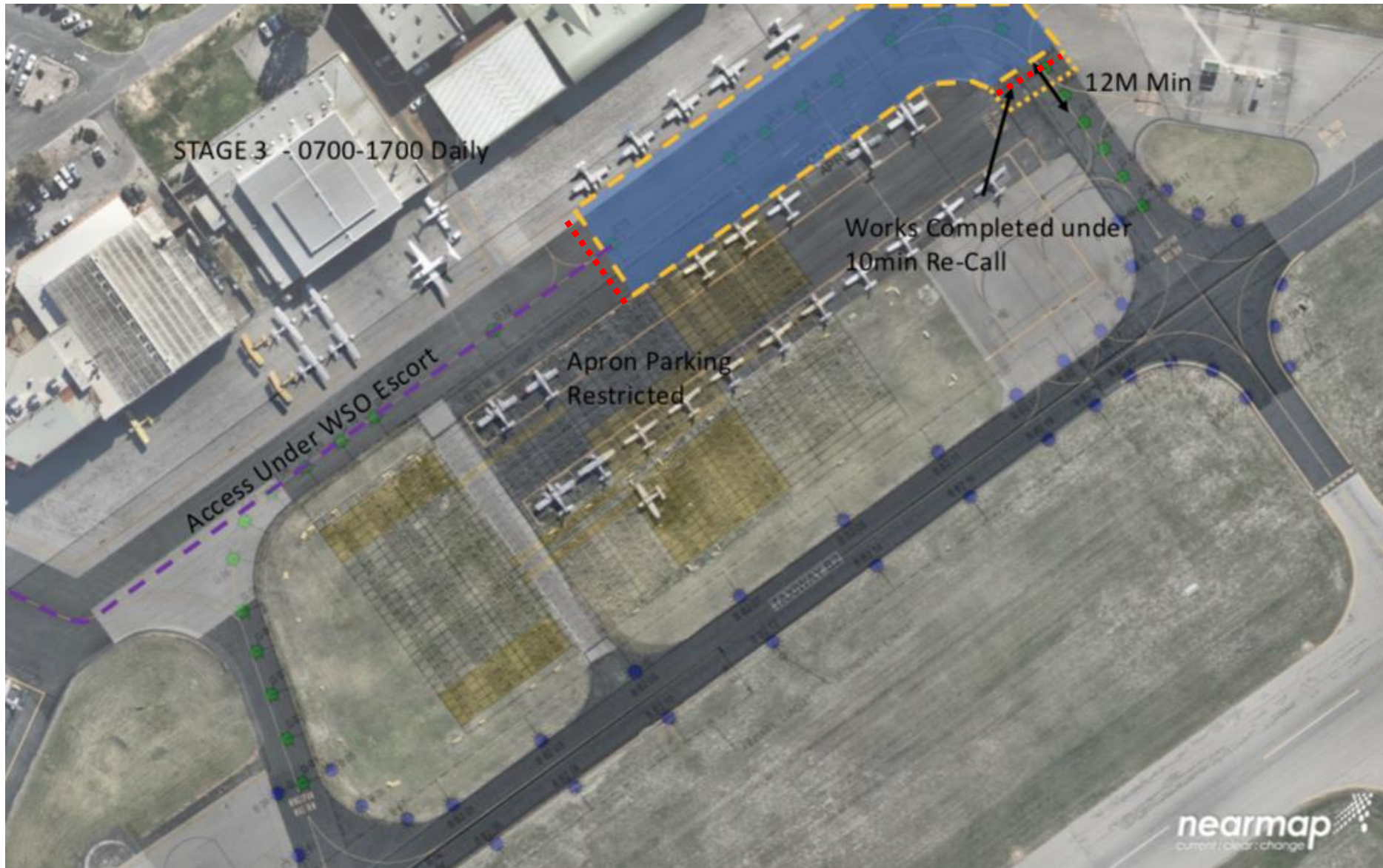
Staging Plans

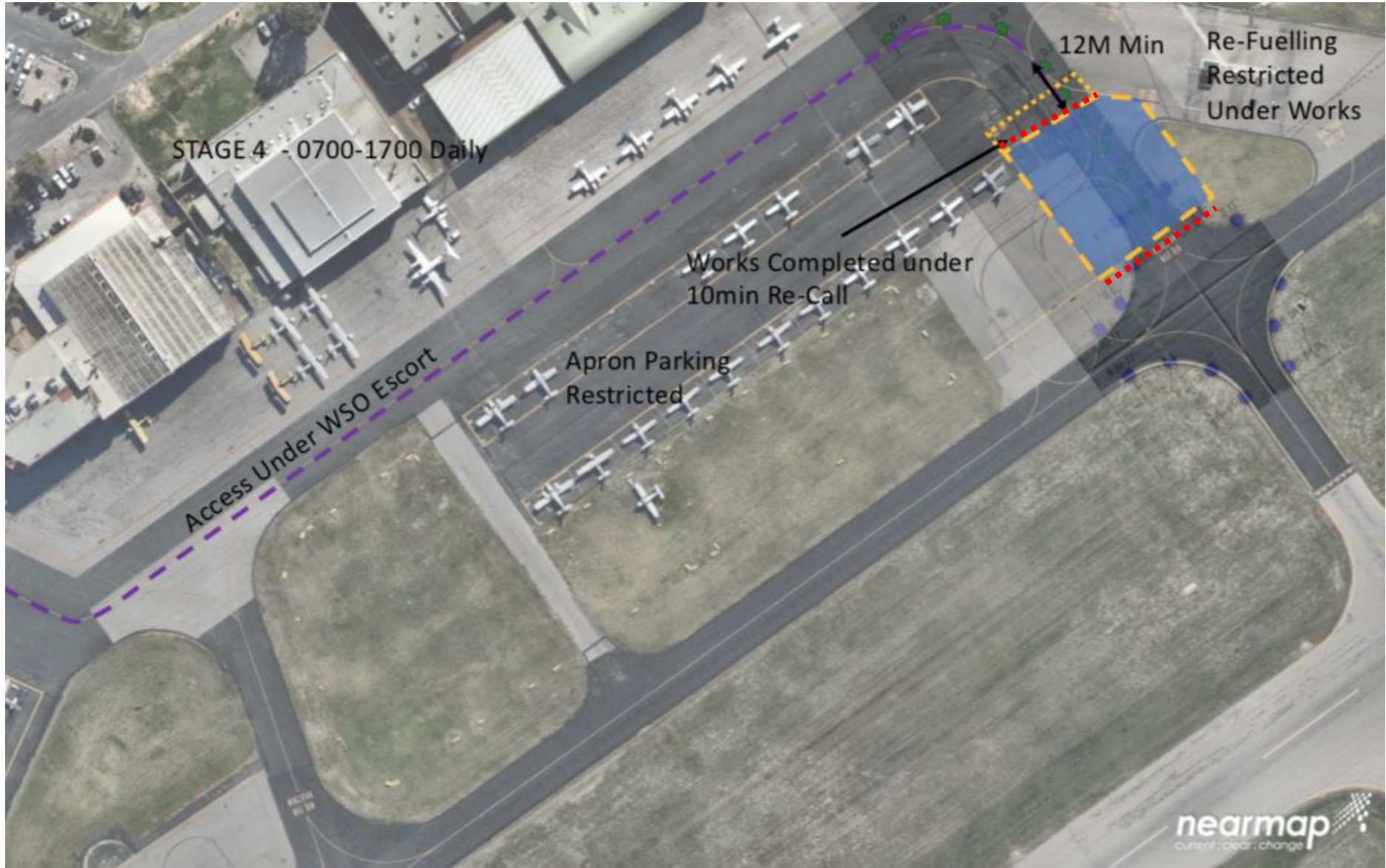


Legend	
●●●●●	Works Limit Line (cones/bollards @ <4m spacing adjacent to movement area)
○●○●○	Unserviceability Markers & Lights @ 3m spacing
■	Movement Area NOT AVBL (lighting extinguished)
■	Works Area

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The following restrictions apply to personnel and equipment undertaking the works. Regarding aircraft safety and airport security, this MOWP will take precedence over other contract documents that may be in place for any person to carry out works at the Airport.

All personnel associated with the work shall be bound by the instructions issued by the Works Safety Officer (WSO). All Contractors or Sub-Contractors must be directly supervised by a Works Safety Officer always. Works will be confined to the areas shown on the drawings.

3.1 Restrictions by Stage

Stage	Works Restriction
All Stages 1, 2 & 3	30Min Re-Call

3.2 Pull Back / Recall

During stages identified in the table above, where works are conducted on a recall or pull back basis, all personnel and equipment will be clear of the relevant taxiway strip within the nominated period after notification from the Senior Airport Services Officer (SASO) to allow for traffic movements. SASO is then required to notify the duty JAH Works Safety Officer (WSO) with a recall for works on all Taxiways with 30 min prior notice or as directed.

3.3 Access

Access routes to each site are via the existing used access tracks adjacent most Taxiways. Access to or across active areas of the manoeuvring area shall be under escort of a Works Safety Officer with the appropriate driving authority.

The Contractor will be under the control of the duty WSO at all times when on site, who will ensure all works remain within the defined area as detailed in the stage drawings. The works area will be delineated with Unserviceability Markers as per Section 4.1

3.4 Foreign Object Debris

Foreign Object Debris (FOD) is any item (from small stones to equipment) on the manoeuvring area that is not intended to be there. FOD is a significant hazard to aircraft operations.

The Contractors must leave the works area in an acceptable operational condition to the full satisfaction of the WSO prior to the completion of the work period. An Inspection will be completed twice daily by the duty WSO and recorded on the Daily Works Log. This is an essential safety requirement which must be achieved within the prescribed time periods for each stage to ensure minimal disruption to airfield operations.

The Contractors shall be responsible for the cleanliness of the work areas together with its access routes for the duration of the works. All loose material and equipment must be secured against movement in strong wind or by aircraft jet blast. The occurrence of dust, debris and loose foreign materials is to be minimised to the satisfaction of the WSO. The Contractors shall employ continuous approved methods of dust suppression and debris removal throughout the duration of the works and at other times when directed by the WSO.

Vehicles transporting materials to or from the site shall, prior to movement, be cleaned in all areas where materials may lodge including body rails, wheels, wheel arches, tailgates and rear fittings to the full satisfaction of the WSO.

3.5 Jet Blast

Jet Blast/ Propeller Wash/ Rotor Wash is the resultant (thrust) from aircraft engines which, for a Code B Aircraft can reach a velocity of 400kph.

Works sites have been assessed for potential exposure to jet blast.

- All stages have some potential for jet blast with aircraft turning to or from taxiways

On all works sites, jet blast remains a constant hazard at Jandakot Airport and all works personnel should use caution when working close to operational runways and taxiways or behind aircraft.

Light materials, tools and equipment should be secured always when not in use (or where possible, when in use) if there is a risk of exposure to jet blast.

The duty WSO is to ensure site safety by pulling personnel back from work zones with high potential when required. Assessment of zones is to be made in conjunction with the Contractor and SASO.

3.6 Vehicle/Equipment Condition

All vehicles and plant shall be in full working condition to ensure full mobility around the work areas as required. Unserviceable or mechanically unsound vehicles and plant shall be removed from the work area as directed by the Works Safety Officer or the Project Manager and shall be replaced by fully serviceable plant.

All vehicles and plant must have a flashing amber beacon. All plant will be registered for site use and maintained in Table 3.6 below

TABLE 3.6 – Plant & Equipment Register

PLANT & EQUIPMENT REGISTER

Job No: 1375 Job Name: JAH AERODROME UPGRADES

PLANT TYPE	Ser. No / Reg. No	Make / Model	Registration with Authority Required? Y/N	Authority Registration Expiry Date (If Applicable)	Date Last Service or Maintenance Record Available	Required Maintenance Frequency	Alteration Details Y / N / NA	Date On Site	Log Book Available
Loader	1DEX 053	Volvo L70F	Y	18/01/20	8/01/19	250hrs / 6 Months	N/A	TBA	Y
Loader	1DQV122	Case 821	Y	18/01/20	8/01/19	250hrs / 6 Months	N/A	TBA	Y
Loader		Cat 950M	N	24/08/19	24/01/19	250hrs / 6 Months	N/A	TBA	Y
Grader		John Deere 672GP	N	N/A	12/04/19	250hrs / 6 Months	N/A	TBA	Y
Skidsteer - Wheeled	N7M424852	Case 430 (SLV435B)	N	N/A	8/04/19	250hrs / 6 Months	N/A	TBA	Y
Skidsteer – Tracked		Cat 259D	N	N/A	8/03/19	250hrs / 6 Months	N/A	TBA	Y
Skidsteer – Tracked		Cat 289D	N	N/A	10/12/18	250hrs / 6 Months	N/A	TBA	Y
Water Truck	1CTQ664	MAN 6x6	Y	18/03/20	16/03/19	6 Months/ 10.000Km	Water Tank	TBA	Y
3.5t Excavator		Kobelco	N	N/A	16/04/19	250hrs / 6 Months	N/A	TBA	Y
3.5t Excavator		Cat	N	24/08/19	24/02/19	250hrs / 6 Months	N/A	TBA	Y
Mitsubishi	1BBE 816	FE 647 Canter Tip Truck	Y	31/04/20	20/02/19	6 Months / 10,000km	N/A	TBA	Y
Truck Loader	MH7735	Hino Loader	Y						

The above register contains details of all plant & equipment to be used by West Coast Civil during the course of the work activities. Examples include lifting gear, fire fighting equipment, mobile plant, fall restraint equipment etc.

Appendix No 3 - Safe Work Method Statement Form (completed example).

3.7 Security and Emergency

All personnel entering the work site must display either a WCC Site Specific Visitor Identification Card and or JAH Airside Induction. These cards or passes must be displayed always. The Contractor's Superintendents will be responsible for the employees, subcontractors and personnel under their control.

The Works Safety Officer may refuse access to persons who in their opinion are likely to present a safety risk to airfield operations.

Communicating Incidents to Jandakot Airport

The contractor is responsible for ensuring that Emergency Incidents are reported to **Senior Airport Services Officer on 0488 452 242**. This includes fires or hazards. Upon notification to JAH the WSO supervising the works site must be notified.

All life-threatening incidents must be reported to 000 in the first instance and Jandakot EMERG on 9485 7555 if unavailable

3.8 Works Safety Officers

3.8.1 Senior Airport Services Officer Responsibilities

The Senior Airport Services Officer's responsibilities include, but are not limited to the following;

- Attend the works organizations daily shift briefing;
- Ensure the safety of aircraft operations in accordance with the standards for aerodrome works and this MOWP;
- Ensure that, where applicable, the aerodrome works are notified by issue of a NOTAM and that the text of each NOTAM is exactly as set out in this MOWP;
- Supply the ATC Line Manager, daily, with whatever information is necessary to ensure the safety of aircraft operations;
- Ensure that the movement area is safe for normal aircraft operations following removal of vehicles, plant, equipment, personnel and FOD from the works area;

3.8.2 Works Safety Officer Responsibilities

The Works Safety Officer's responsibilities include, but are not limited to the following;

- Attend both the Airfield Operations shift briefing and the works organizations daily shift briefing.
- Ensure the safety of aircraft operations in accordance with the standards for aerodrome works and this MOWP;
- Check, daily, that the text of any NOTAM associated with the works is exactly as set out in this MOWP or its amendments;
- Complete the WSO Site Inspection Checklist once per stage.
- Supply the ATC Line Manager, as required, with whatever information is necessary to ensure the safety of aircraft operations;

- Discuss with the works organization, daily, any matters necessary to ensure the safety of aircraft operations;
- Ensure that unserviceable portions of the movement area, temporary obstructions, and the limits of the works area are correctly marked and lit in accordance with MOS Part 139 Paragraph 10.10.8, and this MOWP;
- Ensure that the vehicles, plant and equipment carrying out aerodrome works are properly marked and lit or are under works safety officer supervision or within properly marked and lit works area;
- Ensure that all other requirements of the directions and MOWP relating to vehicles, plant, equipment and materials are complied with;
- Ensure that access routes to work areas are in accordance with the applicable MOWP and clearly identified and that access is restricted to these routes;
- Report immediately to the air-traffic controller and the SASO any incident, or damage to facilities, likely to affect air-traffic control services or the safety of aircraft;
- Remain on duty at the works area while workers are onsite and the aerodrome is open to aircraft operations;
- Ensure that ATC is kept informed of the radio call signs of the vehicles used by the works safety officer;
- Require the immediate removal of vehicles, plant and personnel from the movement area where necessary to ensure the safety of aircraft operations;
- Ensure that the movement area is safe for normal aircraft operations following removal of vehicles, plant, equipment, personnel and FOD from the works area;
- In the case of time-limited works, ensure that the works area is restored to normal safety standards within the nominated recall time.

4.1 Markers

4.1.1 Works Limit Markers

The close portion of any Movement Area will be marked using unserviceability markers. Works limit lines and or pullback points will be delineated with 700mm high orange reflective cones. During Night Operations Red Temporary Light will be placed adjacent Unserviceability cones, please see sample of light in Section 4.1.3



4.1.2 Markings

A temporary yellow Taxi Tow Route will be painted adjacent the works for safe passage of aircraft passed the works areas for all stages

4.1.3 Lights

Airfield Ground Lighting (AGL) will be removed during the works for the purposes of upgrading. On the completion of the works the AGL will remain un-operational until the larger upgrade project is complete and commissioned. During this time Green Reflective Cat's-eye Markers will be used to delineate the centre line of the Taxiway.



SECTION 5 – PROTECTION OF ELECTRICAL SERVICES

5.1 Excavation Procedure

The biggest and most likely risk to aerodrome electrical and communication services is excavation. Excavation will be controlled with West Coast Civil procedure SP-08 – Excavation Procedure. This requires complete service locations of all excavation locations prior to works commencing, as well as daily comprehension tests for operators involved in works.

As a part of the procedure there will be no mechanical excavation within 1m of known live services.

5.2 Electrical Installations

When completing Airfield Ground Lighting installations under the contract a set of Blue E-Flare Edge Lights will be held on site at all times to ensure any unforeseen unserviceability's are accommodated. See Photo Example in Section 4.3

Contractor must also note that no live cabling or transformers are to be left above ground level

6.1 Works Organisation

Jandakot Airport has contracted West Coast Civil to undertake the works.

6.2 Contractor's Site Representative

The Contractor's Site Representative shall remain responsible on behalf of the works organisation for complying with the requirements of this MOWP. Contact details of the Contractor's Site Representative are:

Contractor Works Manager Ryan Oliver 0423 725 199 ryan.oliver@westcoastcivil.com.au
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6.3 Jandakot Airport Superintendent

The Jandakot Airport Superintendent for this Project is:

Projects Manager Andrew McColgan 0400 299 787 andrew.mccolgan@app.com.au
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6.4 MOWP Development and Execution

The Airfield Operations Team are responsible for the development and execution of the MOWP. Questions related to the MOWP or execution of works may be directed to;

Airside Operations Manager: <i>(Responsible for day to day operations.)</i> Kevin Smith 0438 921 918 ksmith@jandakotairport.com.au	
After Hours: Senior Airport Services Officer 0488 452 242	
Listed Project Works Safety Officers:	
Colin Browne (JAH)	Chris Aspera (WCC)
Brad Craine (JAH)	Graeme Bell (WCC)
Bryce Ivey (JAH)	Chris Brondsema (WCC)
Michael Jeanes (JAH)	Arthur Hunt (WCC)
James Killen (JAH)	Paul Langfield (WCC)
Clint Shire (JAH)	

SECTION 7 – DISTRIBUTION

This MOWP will be distributed to those organisations and agencies listed below.

Company	Title	Name	Contact Details	Date
Jandakot Airport Holdings	Managing Director	John Fraser	jfraser@jandakotairport.com.au	
Jandakot Airport Holdings	Operations Manager	Kevin Smith	ksmith@jandakotairport.com.au	
Jandakot Airport Holdings	Senior Airport Services Officer	Bryce Ivey	bivey@jandakotairport.com.au	
Jandakot Airport Holdings	Environmental Manager	Joanne Wann	environmental@jandakotairport.com.au	
Jandakot Airport Holdings	Operations Coordinator	Jacqui Gill	jgill@jandakotairport.com.au	
Jandakot Airport Holdings	OHS & HR Advisor	Julie Hughes	jhughes@jandakotairport.com.au	
APP Corporation	Project Manager	Andrew McColgan	Andrew.mccolgan@app.com.au	
APP Corporation	Project Manager	Matt Davies	Matt.davies@app.com.au	
West Coast Civil	Managing Director	Marcel Gomez	Marcel.gomez@westcoastcivil.com.au	
West Coast Civil	Project Manager	Ryan Oliver	Ryan.oliver@westcoastcivil.com.au	

Revision History

Version	Date	Chapter/ Section/Paragraph	Details	Authorisation
Rev 0	13/05	All	DRAFT	RO