

8<sup>th</sup> June 2026

ASPROM\_OAN\_511

Version 1.2

# Operational Advice Notice

## Runway 27R/09L Resurfacing Project 2026

It is the responsibility of all employers to ensure that relevant OSIs are brought to the attention of their staff. However, individuals remain responsible for their own actions and those who are in any doubt should consult their Supervisor or Manager.

### 1. Introduction

- 1.1 The purpose of this Operational Advice Notice (OAN) is to inform the airside users of the **runway resurfacing activities** taking place on **Runway 27R/09L** (the Northern Runway) during 2026.
- 1.2 The project will normally work on a **Sunday to Thursday nights each week**, however some weekend working may be required to keep the project on programme.
- 1.3 **Each night the Northern Runway is planned to close at 23:00 (local)**. In order to maximise the working window each night, at 22:30L the contractor will muster on stand 258 (some overspill permitted to stand 257 from 20:00hrs), before closing the areas shown in blue below to facilitate their entrance to the runway, as soon as operationally possible.
- 1.4 During these works there will be a need to downgrade the runway lighting and redeclare runway distances, further details can be found in section 6.2 of this OAN.





1.5 Following completion of works each night, and a full inspection of the runway by Airside Operations, the runway will be available at 06:00 (local) each morning.

2. Definitions

Abbreviation	Description
AGL	Aeronautical Ground Lighting
AODM	Aircraft Operations Duty Manager
IRVR	Instrument Runway Visual Range
RGB	Runway Guard Bar
VCR	Virtual Control Room
TORA	Take Off Run Available
TODA	Take Off Distance Available
ASDA	Accelerated Stop Distance Available
LDA	Landing Distance Available
TDZ	Touch Down Zone
LED	Light-Emitting Diode



### 3. Project Methodology

- 3.1 The resurfacing works will commence abeam entry/exit A6 and head from east to west. Upon reaching A10W, works will move to the pre-threshold section of 09L. Resurfacing will then resume from A10W to 09L Threshold and overlay the concrete section of the 09L pre-threshold. The final section will commence at A6 and head east to the 27R Threshold, where works will complete.
- 3.2 The project will be resurfacing around **75m x 45m of runway surface each night** with **Marshall Asphalt**. Approximately 72hrs after each surface area has been resurfaced, the project will groove the newly laid asphalt, before replacing AGL in the surface, to be energised at a later date. The painted runway centreline and associated paint markings will be replaced at the end of each shift.
- 3.3 The resurfacing works are due to be **completed in October 2026**.

### 4. 09L Overlay Resurfacing Works

- 4.1 The project plans to overlay the concrete area, within the 09L displaced threshold area, with Marshall Asphalt. Due to the works in the area, it will be necessary to redeclare certain distances for Runway 27R and 09L.
- 4.2 Details of distances available are shown in the table in Section 6.2 of this OAN.

### 5. 09L Approach Lighting

- 5.1 In order to install a 220mm asphalt overlay on top of the existing concrete pavement, when resurfacing the 09L displaced threshold area, the project will also be replacing the 09L Approach Lighting system with new LED fittings.
- 5.2 The 09L Approach lighting system will initially be reduced to a 420m LED Approach Light System for a period of 7 days, before a full 900m LED Approach Light System is then made available.



## 6. Runway Distances and Lighting Configuration

**6.1** Effective from the 11<sup>th</sup> June 2026, the project will be carrying out phased works which will affect the level of runway lighting available.

**6.2** Details of the lighting and runway distances available in each phase are shown in the table below:

Phase of Works	Runway distances available	Runway Lighting in service	Runway Lighting out of service
<p><b>Phase 1</b></p> <p>CATIII Lighting downgrade for resurfacing.</p>	<p><b>27R</b> TORA - 3882 M TODA - 3960 M ASDA - 3882 M LDA - 3882 M</p> <p><b>09L</b> TORA - 3901 M TODA - 3901 M ASDA - 3901 M LDA - 3592 M</p>	<p>09L-27R Runway edge (colour coded)</p> <p><b>27R</b> HIA SALS Threshold/wing bars TDZ Runway end</p> <p><b>09L</b> HIA Threshold/wing bars TDZ Runway end</p>	<p>09L-27R Runway centreline</p> <p><b>09L</b> SALS</p>
<p><b>Phase 2</b></p> <p>Reduced distances to support closure of Holding Point A13/AB13.</p> <p>CATIII Lighting downgrade for 09L.</p> <p>Replacement of 09L Approach Lights.</p>	<p><b>27R</b> TORA - 3362 M TODA - 3960 M ASDA - 3362 M LDA - 3362 M</p> <p><b>09L</b> TORA - 3362 M TODA - 3362 M ASDA - 3362 M LDA - 3592 M</p>	<p>09L-27R Runway edge (colour coded)</p> <p><b>27R</b> HIA SALS Threshold/wing bars TDZ Runway end relocated</p> <p><b>09L</b> HIA (420m LED) TDZ Threshold/wing bars Runway end</p>	<p>09L-27R Runway centreline</p> <p><b>09L</b> HIA (420-900m) SALS</p>



<p><b>Phase 3</b></p> <p>Reduced distances to support closure of Holding Point A13/AB13.</p> <p>CATIII Lighting downgrade for 09L &amp; resurfacing.</p> <p>Replacement of 09L Approach Lights.</p>	<p><b>27R</b></p> <p>TORA - 3362 M</p> <p>TODA - 3960 M</p> <p>ASDA - 3362 M</p> <p>LDA - 3362 M</p>	<p>09L-27R Runway edge (colour coded)</p> <p><b>27R</b></p> <p>HIA</p> <p>SALS</p> <p>Threshold/wing bars</p> <p>TDZ</p> <p>Runway end relocated</p>	<p>09L-27R Runway centreline</p>
	<p><b>09L</b></p> <p>TORA - 3362 M</p> <p>TODA - 3362 M</p> <p>ASDA - 3362 M</p> <p>LDA - 3592 M</p>	<p><b>09L</b></p> <p>HIA (900m LED)</p> <p>Threshold/wing bars</p> <p>Runway end</p>	<p><b>09L</b></p> <p>SALS</p> <p>TDZ</p>
<p><b>Phase 4</b></p> <p>Reduced distances to support closure of Holding Point A13/AB13.</p> <p>CATIII Lighting downgrade for 09L &amp; resurfacing.</p>	<p><b>27R</b></p> <p>TORA - 3362 M</p> <p>TODA - 3960 M</p> <p>ASDA - 3362 M</p> <p>LDA - 3362 M</p>	<p>09L-27R Runway edge (colour coded)</p> <p><b>27R</b></p> <p>HIA</p> <p>SALS</p> <p>Threshold/wing bars</p> <p>Runway end relocated</p>	<p>09L-27R Runway centreline</p> <p><b>27R</b></p> <p>TDZ</p>
	<p><b>09L</b></p> <p>TORA - 3362 M</p> <p>TODA - 3362 M</p> <p>ASDA - 3362 M</p> <p>LDA - 3592 M</p>	<p><b>09L</b></p> <p>HIA (900m LED)</p> <p>Threshold/wing bars</p> <p>Runway end</p>	<p><b>09L</b></p> <p>SALS</p> <p>TDZ</p>
<p><b>Phase 5</b></p> <p>Full return of all lighting</p>	<p><b>27R</b></p> <p>TORA - 3882 M</p> <p>TODA - 3960 M</p> <p>ASDA - 3882 M</p> <p>LDA - 3882 M</p> <p><b>09L</b></p> <p>TORA - 3901 M</p> <p>TODA - 3901 M</p> <p>ASDA - 3901 M</p> <p>LDA - 3592 M</p>	<p>09L-27R Runway centreline</p> <p><b>27R</b></p> <p>HIA</p> <p>SALS</p> <p>Threshold/wing bars</p> <p>TDZ</p> <p>Runway end</p> <p><b>09L</b></p> <p>HIA</p> <p>SALS</p> <p>Threshold/wing bars</p> <p>TDZ</p> <p>Runway end</p>	



## 7. Impact to Operations

### 7.1 Approach and Runway Centreline Lighting:

- 7.1.1 For the duration of the runway resurfacing, the runway centreline AGL will not be available
- 7.1.2 When the associated section of runway is being resurfaced, the TDZ and/or inset approach lights will be unavailable in that area
- 7.1.3 The 09L Approach Lighting System will be replaced during this project. To achieve this, the project will install a temporary elevated 420m LED approach lighting system, followed by the full 900m LED approach lighting system 7 days later. Communications outlining the phasing will be shared and all outages, and their replacement, will be covered by NOTAM

- 7.2 Temporary painted runway centreline and taxiway centreline markings will be applied each night. A full runway re-paint will be carried out at the end of the project.

### 7.3 Runway Lead on/Lead off:

- 7.3.1 When the resurfacing works impact a particular runway entry/exit, the AGL lead on/off will be removed between the runway centreline and the painted runway edge marking. Associated blue edge lighting will be provided at the bell mouth to the appropriate runway entrance/exit, where appropriate.
- 7.3.2 The full lead on/off AGL (runway centreline to RGB) will be reinstated once the works have been completed for a particular entry/exit.

### 7.4 Low Visibility Operations:

#### 7.4.1 Arrivals:

- 7.4.1.1 Except for those approved airlines, the removal of aspects of the runway and approach lighting will impact Runway 09L/27R operating minima. The ILS will continue to radiate at CAT 3 for the duration of the project, unless communicated otherwise
- 7.4.1.2 When Runway 27R is the landing runway, it has been agreed that a de-alternation to landing on Runway 27L will take place whenever safeguarding is requested and LVP are forecast or expected
- 7.4.1.3 Once the IRVR is expected to drop below 600m, Runway 09L/27R will not be used for landing, except for those approved airlines



**7.4.1.4** During periods of low visibility operations, a flow rate to air traffic movements will be applied by ATC to ensure the safe operation of aircraft on arrival, departure and whilst manoeuvring on the ground

**7.4.2** Departures:

**7.4.2.1** When the IRVR is below 400m, Runway 09L/27R will not be used for departures and the Southern Runway (09R/27L) will be utilised

**7.4.2.2** Aircraft that are committed to depart from Runway 09L/27R may be able to accept take off down to a minimum of 300m or less

**7.4.3** Entry/Exits:

**7.4.3.1** When the IRVR falls below 400m, downgraded entry/exits will be inspected by Airside Operations and may continue to be used in LVP unless notified

**7.5** **Friction:**

**7.5.1** Throughout the resurfacing works there will be areas of newly laid asphalt that will be un-grooved. The length of un-grooved area will not exceed 320m

**7.5.2** Each morning Airside Operations will perform a friction test run of the runway surface and will promulgate any deficiencies, if required and if weather conditions allow

**8.** **Safety**

**8.1** Only vehicles, equipment and personnel associated with the runway resurfacing works will be permitted within the works area. Access to site is controlled by the Principal Contractor, Volker Fitzpatrick, and a full site induction may be required.

**8.2** All areas on the runway and associated with these works must be kept clean and thoroughly inspected prior to re-opening each morning.

**9.** **Enquiries**

**9.1** Any questions regarding this instruction should be addressed HAL Airfield Operations on 0208 745 6024 or [AerodromeCompliance@Heathrow.com](mailto:AerodromeCompliance@Heathrow.com).

