

CP24163 — Airfield High-Mast Floodlight Replacement, Melbourne Airport. Every audited pole switchboard, with a single suitability call: reuse the existing board for the LED works, or replace it before the works proceed at that pole.



SUITABLE FOR REUSE	REPLACE BEFORE WORKS	BOARDS AUDITED	RED / AMBER / GREEN
63	4	67	33 / 32 / 2

The 4 boards to be replaced. DB-D19E, DB-D17W, DB-D13W, DB-D15W are built on an obsolete Terasaki Safe-T chassis, and the circuit protection it accepts (Safe-T SRCB2030 MCB/RCD and TH-5-SE control CBs) can no longer be purchased. The board therefore cannot be re-protected or maintained for the works, and a chassis-and-protection-only refurbishment is not possible. These boards are to be replaced by APAM to facilitate the electrical installation, before the LED works proceed at those poles. Replacement of these boards is not part of the electrical installation package.

#	BOARD	POLE	POINT OF SUPPLY	CONDITION	RATING	SUITABILITY
BRAVO CONOURSE						
58	DB-B22S	B22S	Switchboard Room 27	Poor	AMBER	Suitable for reuse
59	DB-B24S	B24S	Switchboard Room 27	Poor	AMBER	Suitable for reuse
60	DB-B21N	B21N	Switchboard Room 27	Poor	AMBER	Suitable for reuse
Total — 67 boards audited					63 reuse · 4 replace	

#	BOARD	POLE	POINT OF SUPPLY	CONDITION	RATING	SUITABILITY	
61	DB-B21S	B21S	Switchboard Room 27	Poor	AMBER	Suitable for reuse	
62	DB-B23N	B23N	Switchboard Room 27	Fair	AMBER	Suitable for reuse	
63	DB-B25N	B25N	Switchboard Room 27	Fair	AMBER	Suitable for reuse	
64	DB-B26S	B26S	Switchboard Room 27	Poor	AMBER	Suitable for reuse	
65	DB-B27N	B27N	Switchboard Room 27	Fair	AMBER	Suitable for reuse	
66	DB-B28E	B28E	Switchboard Room 27	Poor	AMBER	Suitable for reuse	
67	DB-B30N	B30N	Switchboard Room 27	Poor	AMBER	Suitable for reuse	
CHARLIE CONCOURSE							
47	DB-C4S	C4S	DB-CCC	Fair	RED	Suitable for reuse	
48	DB-C6S	C6S	DB-CCC	Poor	RED	Suitable for reuse	
49	DB-C8S	C8S	DB-CCC	Poor	RED	Suitable for reuse	
50	DB-C10S	C10S	DB-CCC	Poor	RED	Suitable for reuse	
51	DB-C10N	C10N	DB-CCC	Poor	RED	Suitable for reuse	
52	DB-C12E	C12E	DB-CCC	Poor	AMBER	Suitable for reuse	
53	DB-C11S	C11S	DB-CCC	Poor	RED	Suitable for reuse	
54	DB-C9S	C9S	DB-CCC	Poor	RED	Suitable for reuse	
55	DB-C7S	C7S	DB-CCC	Poor	RED	Suitable for reuse	
56	DB-C3S	C3S	DB-CCC	Poor	RED	Suitable for reuse	
57	DB-C1S	C1S	DB-CCC	Poor	RED	Suitable for reuse	
DELTA CONCOURSE							
7	DB-D2E	D2E	Sub 18	Fair	AMBER	Suitable for reuse	
8	DB-D2W	D2W	Sub 18A	Fair	RED	Suitable for reuse	
9	DB-D4W	D4W	Sub 42	Fair	RED	Suitable for reuse	
10	DB-D6W	D6W	Sub 42	Fair	AMBER	Suitable for reuse	
11	DB-D8N	D8N	Sub 42	Fair	AMBER	Suitable for reuse	
12	DB-D12E	D12E	Western Apron MSB	Fair	AMBER	Suitable for reuse	
15	DB-D12S	D12S	Western Apron MSB	Fair	AMBER	Suitable for reuse	
18	DB-D20N	D20N	Western Apron MSB	Fair	RED	Suitable for reuse	
Total — 67 boards audited						63 reuse · 4 replace	

#	BOARD	POLE	POINT OF SUPPLY	CONDITION	RATING	SUITABILITY
19	DB-D19E	D19E	Northern Apron DB	Poor	RED	Replace before works
22	DB-D17W	D17W	Northern Apron DB	Poor	RED	Replace before works
23	DB-D13W	D13W	Northern Apron DB	Poor	RED	Replace before works
24	DB-D15W	D15W	Northern Apron DB	Poor	RED	Replace before works
25	DB-D10W	D10W	Sub 43 (MSB-43)	Fair	AMBER	Suitable for reuse
26	DB-D10E	D10E	Sub 42	Poor	AMBER	Suitable for reuse
27	DB-D11E	D11E	Sub 42	Poor	AMBER	Suitable for reuse
28	DB-D9E	D9E	Sub 42	Poor	AMBER	Suitable for reuse
29	DB-D7W	D7W	Sub 42	—	RED	Suitable for reuse
44	DB-D7E	D7E	Sub 42	Poor	RED	Suitable for reuse
45	DB-D3N	D3N	Sub 18A	Fair	AMBER	Suitable for reuse
46	DB-D3S	D3S	—	Poor	AMBER	Suitable for reuse
ECHO CONCOURSE						
1	DB-Mast-11-E1E	Mast-11-E1E	DB-CCE	Fair	AMBER	Suitable for reuse
2	DB-Mast-10-E3E	Mast-10-E3E	DB-CCE	Fair	AMBER	Suitable for reuse
3	DB-Mast-9-E5E	Mast-9-E5E	DB-CCE	Fair	AMBER	Suitable for reuse
4	DB-Mast-8-E7E	Mast-8-E7E	DB-CCE	Fair	AMBER	Suitable for reuse
5	DB-Mast-7-E9E	Mast-7-E9E	DB-CCE	Fair	AMBER	Suitable for reuse
6	DB-Mast-6-E9W	Mast-6-E9W	DB-CCE	Poor	RED	Suitable for reuse
FOXTROT CONCOURSE						
36	DB-F14E	F14E	Sub 40	Poor	RED	Suitable for reuse
37	DB-F14W	F14W	Sub 40	Poor	RED	Suitable for reuse
38	DB-F18W	F18W	Sub 40	Poor	AMBER	Suitable for reuse
39	DB-F19E	F19E	Sub 40	Poor	AMBER	Suitable for reuse
40	DB-F17E	F17E	Sub 40	Poor	RED	Suitable for reuse
41	DB-F15E	F15E	Sub 40	Poor	RED	Suitable for reuse
42	DB-F13E	F13E	Sub 40	Poor	RED	Suitable for reuse
43	DB-F11E	F11E	Sub 40	Poor	RED	Suitable for reuse
Total — 67 boards audited					63 reuse · 4 replace	

#	BOARD	POLE	POINT OF SUPPLY	CONDITION	RATING	SUITABILITY
NORTHERN APRON						
14	DB-D14N	D14N	Western Apron MSB	Good	GREEN	Suitable for reuse
16	DB-D16N	D16N	Western Apron MSB	—	AMBER	Suitable for reuse
17	DB-D18N	D18N	Western Apron MSB	Fair	AMBER	Suitable for reuse
20	DB-NthApron-NEss	NthApron-NEss	Sub 42 LV MSB (Non-Essential)	Poor	AMBER	Suitable for reuse
21	DB-NthApron-Ess	NthApron-Ess	Sub 42 LV MSB (Essential)	Poor	RED	Suitable for reuse
WESTERN APRON						
13	Western Apron MSB	Western Apron MSB	Sub 43 LV MSB (Tier B3)	Fair	GREEN	Suitable for reuse
GSE APRONS						
30	DB-JGSESW	JGSESW	DB Gate 28	Poor	RED	Suitable for reuse
31	DB-JGSESE	JGSESE	DB Gate 28	Poor	RED	Suitable for reuse
32	DB-JGSENE	JGSENE	DB Gate 28	Poor	RED	Suitable for reuse
33	DB-JGSENW	JGSENW	DB Gate 28	Fair	RED	Suitable for reuse
34	DB-SGSEE	SGSEE	GSE LCC1 DB.01	Fair	RED	Suitable for reuse
35	DB-SGSEW	SGSEW	CHMCP2 Panel	Fair	RED	Suitable for reuse
Total — 67 boards audited						63 reuse · 4 replace

Basis and limitations. Suitability is assessed against the LED retrofit scope defined in E3D-APAM-DES-001 Rev B — new luminaire supply, circuit protection and cabling within the existing pole switchboard. It is a design-stage assessment made from the site audit of 21–22 June 2026 and the photographic evidence held in the project dashboard; it is not a statement that an existing installation complies with AS/NZS 3000. Pre-existing non-compliances recorded in E3D-APAM-RPT-002 Rev B remain open items for APAM as asset owner and are expressly excluded from Empower3D’s design certification. Boards D4W, D7W, D9E, D10E and D11E carry an as-found “tagged for replacement” marking and are being replaced under separate project Resolve CP23151; that is noted here for sequencing only and is not a CP24163 prerequisite.