PR S 40011 FM15





Work In	nstruc	tion		WO No.:	
				Date:	
Scope:					
Team Lea	der:	Туре	e:		
Activity:		Pedestrian Boom Gate Mechanism Like for Like	Renewal		
Referenc	e:	PR S 40002, PR S 40008, PR S 40009, PR S 40	010, PR S 4001	1	
Activity No.	Task No.	Work Description			Completed Name/Sign
		APPARATUS INSPECTION & PREPARATION			
1	1A	Ensure the new Pedestrian Boom Gate mechan Inspect equipment type and configurations are design and compare to the existing Pedestrian	in accordance	with the specific	
	1B	Bell test and wire/null count the internal wiring mechanism and compare to the specific circuit Boom Gate mechanism. Include a correlation of the circuit book. Visually inspect and insulation Pedestrian Boom gate mechanism. Ensure that the correct position as per the specific circuit described.	design and exist f connected link test the internation circuit controll	sting Pedestrian ks and bridges to al wiring of the new	
2	2A	On the existing Pedestrian Boom Gate mechaniterminals, including bridges, links and identify and compare to specific circuit diagram			
	2B	Document the disconnections on attached circu	uit diagram		
	2C	Conduct an apparatus inspection of the conditi fixings	on of the existii	ng drive point	
		SAFEWORKING & DISCONNECTION FROM IN	ITERLOCKING		
3	ЗА	Switch the Cerberus monitor to "maintenance ralarms. Advise ICON Infrastructure of the inten		nt any unnecessary	
	3B	Ensure the level crossing and affected signalling in accordance with PR S 40008. If temporary brauthorisation for temporary bridging in accordance	ridging is requir	red, obtain	
	3C	Disconnect the level crossing and affected sign with PR S 40009 Note: The Pedestrian Boom Gate shall not to be		ent in accordance	
	3D	If applicable, apply temporary bridging in accord	rdance with the	authorisation.	
		Test bridging in accordance with PR S 40002 to and that any contacts remaining in the circuit a		dges are effective	
		DISCONNECTION, REMOVAL AND INSTALLA	TION		
4	4A	Open links in location for the Pedestrian Boom	Gate mechanis	m tail cable/s	
	4B	Disconnect cable/s in the Pedestrian Boom Gat withdraw clear			
	4C	Disconnect the Pedestrian Boom Gate arm and mechanism			
5	5A	Install the new Pedestrian Boom Gate mechani securing nuts, bolts and split pins			
	5B	Ensure the locking dog is removed from the Pe			
6	6A	Connect all cables in accordance with previous	-		
	6B	Inspect the cable/s for any signs of damage. Co cable/s and record on circuit diagrams			
7	7A	Lubricate the Pedestrian Boom Gate spectacle operation	arm oil-wells to	o ensure reliable	

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Activity No.	Task No.	Work Description	Completed Name/Sign
		ADJUSTMENT	
8	88	Conduct a safety, security and reliability inspection of the fixings, locking tabs, boom gate arm, nuts, bolts and split pins	
	8B	Make any adjustments necessary to the Pedestrian Boom Gate mechanism drive and particularly check the boom gate arm rate of descent	
		CERTIFICATION	
9	9A	Close all associated terminal links in the location and if applicable, remove any temporary bridging Note: The testing that ensures temporary bridges are removed are done in steps 10 and 12, as part of the overall wire/null count and correspondence testing	
10	10A	Conduct wire/null count all terminals with incoming tail cable/s installation to circuit diagram (NB: links to be counted as wire). Record on circuit diagram	
11	11A	Conduct a power test of the Pedestrian Boom Gate mechanism operation; check the boom raised and lowered positions are correct. Adjust if required	
	11B	Check for correct operation of the operating-clutch, holding-clutch and ratchet & pawl gap, adjust as necessary	
	11C	Ensure the Pedestrian Boom Gate operates correctly with smooth motion from the motor/gearbox. Ensure the hold-clear armature falls away from ratchet gear without hesitation	
	11D	Ensure the Pedestrian Boom Gate when fully lowered, can be lifted easily	
12	12A	Conduct a correspondence test of the Pedestrian Boom Gate Normal detection (XNR) where applicable. Operate all Pedestrian Boom Gates to the lowered position (0°) and raise each boom gate in turn to ensure the XNR relay deenergises and restores. Observe the relevant contact to ensure it is of the correct type (N/O or N/C) and opens and closes correctly Note: The above test incorporates the out of correspondence test for each	
		corresponding pedestrian boom gate (Sydney-side and Country-side)	
	12B	Conduct a correspondence test of the Pedestrian Boom Gate Reverse detection (XRR) where applicable. Operate all Pedestrian Boom Gates to the raised position (90°) and lower each boom in turn to ensure the XRR relay de-energises and restores. Observe the relevant contact to ensure it is of the correct type (N/O or N/C) and opens and closes correctly Note: The above test incorporates the out of correspondence test for each corresponding pedestrian boom gate (Sydney-side and Country-side)	
13	13A	Ensure the tone generator (where fitted) DIP switch settings are correctly set. Ensure correct operation of the tone generator. Observe the relevant contact to ensure it is of the correct type (N/O or N/C) and opens and closes correctly	
	13B	Ensure correct operation of red-man light indication. Observe the relevant contact to ensure it is of the correct type (N/O or N/C) and opens and closes correctly	
14	14A	Ensure that any alarms raised with Cerberus monitor are cleared. Switch Cerberus monitor out of "maintenance mode"	
15	15A	Arrange with the signaller to conduct an operational test of the affected signalling equipment in association with the level crossing protection equipment. Ensure the Pedestrian Boom Gate mechanism is secure	
	15B	Book the level crossing and affected signalling equipment back into use	

Engineering System Integrity

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I certify that the	Side Pedestrian Boom Gate mechanism at
Level Crossing location h	as been correctly reinstated, inspected, tested and is fit for service.
Print Name	Position