Work Instruction - Operations

HANDLING DEFECTIVE OR BROKEN RAIL WORK INSTRUCTION

HITACHI

Hitachi Rail Honolulu JV

Work description: This work instruction desc	ribes the steps to handle defective/broken rails.	
Scope: This work instruction is written specifi	cally for the OCC operating staff of Honolulu Rail	Transit
• •	rvice/Restrictive Service Work Instruction, HNL-09 ce Plan) Work Instruction, HNL-09408 Imposing o	,
PPE and precautions	Competencies or qualifications	Licenses or permits required
Nil	Train Controller/Yard Controller, Engineering & Fault Controller, OCC Supervisor, Information Controller, Maintenance Team	Nil
Tools and equipment required		
Nil		

Handle a defective or	r broken rail
Train Controller / Yard Controller	 You must: Stop any train / OTE movement toward / over the affected area Tell the OCC Supervisor of the failure Tell the Engineering & Fault Controller to arrange a trackwork maintenance team to the site to inspect the rail Protect the maintenance team fouling the track and/or establishing a work block limit following the HNL-09100 Roadway Worker Protection Manual On instructions from the OCC Supervisor, impose the Temporary Speed Restriction following HNL-09408 Imposing or Withdrawing TSR On instructions from the OCC Supervisor, implement the selected HNL-09421 Contingency Plan (Alternate Service Plan) On instructions from the OCC Supervisor, resume normal train service Log the event in the Train Controller Log
Engineering & Fault Controller	You must: Arrange a trackwork maintenance team to the site to inspect/repair the broken rail Keep track of the inspection/repair progress Inform the OCC Supervisor and the Train Controller about the latest inspection/repair progress
OCC Supervisor	 Follow the inspection/fault rectifying progress closely Assess the restriction recommended by the trackwork maintenance team If train service over the affected area is allowed only at reduced speed, then instruct the Train Controller to impose the Temporary Speed Restriction following HNL-09408 Imposing or Withdrawing Temporary Speed Restriction Work Instruction If train service over the affected area is not allowed until the broken rail is replaced, then: Instruct the Train Controller to establish an emergency track possession (work block limit) to protect the maintenance team following the HNL-09100 Roadway Worker Protection Manual Decide whether a contingency plan is needed to run train service in the unaffected area If required, instruct the Train Controller to implement the selected HNL-09421 Contingency Plan (Alternate Service Plan) Work Instruction Instruct the Information Controller to make regular public announcements on service delays to trains and stations affected Follow the fault rectifying progress closely Based on the confirmation/recommendation from the Engineering & Fault Controller and the maintenance team, instruct the Train Controller to resume normal train service and instruct the Information Controller to make public announcements on service resumptions to trains and stations Log the event in the OCC Supervisor Daily Report

Approved By:	☐ Director, Operations and Maintenance	☐ Department Manager	☐ Manager, HSE (Operations and Maintenance)
Signature:			
Date:			

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Information	On instructions from the OCC Supervisor, you must:
Controller	Make public broadcast announcements on service delays to trains and stations affected
	Make regular announcements to update trains and stations affected
	Monitor crowd conditions on affected platforms
	Make public announcements on resumption of normal train service to trains and stations
	Log the event in the Information Controller Log
Maintenance Team	You must:
	Coordinate with the Train Controller to establish the required protection measures for on-track protection
	following the HNL-09100 Roadway Worker Protection Manual – before and during the fouling of the track and/
	or the need to establish a work block limit if the emergency track possession is required for emergency track
	repair
	Assess the failure
	Repair the failure where possible
	• If the failure cannot be remedied in the short term, determine the proper restriction to be put in place over the affected area until the completion of final repair:
	Temporary train service suspension (no train / OTE movement) over the affected area
	• Speed restriction – in the event a speed restriction is needed, install the relevant or equivalent speed boards (samples as suggested below)
	• If a restriction has been applied, handle the restriction in accordance with the procedure HNL-09404 Equipment Out of Service/Restrictive Service.
	Tell the Engineering & Fault Controller the recommended restriction (for example, TSR over which section of the track and the reduced speed value)
	Once the problem is solved, update and close the associated work order with all relevant details. Work order updates will be supporting documents for the removal of the restriction

Signal	Meaning	Notes
TEMPORARY SPEED RESTRICTION IN 1 MILE (1)	Warning – temporary speed restriction in 1 mile	To be installed 1 mile before the start of the restriction
TSL (2)	Start of section with Temporary speed limit	This coincides with the end of section with temporary speed limit on the same track, opposite direction of travel.
10	Speed limit 10 mph (illustrative)	This coincides with the end of speed limit on the same track, opposite direction of travel.

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Meaning	Notes
End of section with Temporary speed limit	This coincides with the start of section with temporary speed limit on the same track, opposite direction of travel.
End of speed limit 10 mph (illustrative)	This coincides with the start of speed limit on the same track, opposite direction of travel.
	End of section with Temporary speed limit End of speed limit 10 mph

