

Ride-On Roller Asphalt Compaction - JSA - C

en-US · Supervision, records, handover · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time		Location / area		Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Review layer and support							
HP-2 Inspect roller							
HP-3 Enter and trial roll							
HP-4 Inspect and release traffic							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Support review	1. Edge rollover 2. Subsurface collapse 3. Unreviewed grade	1. Ground appearance trusted 2. Structures omitted 3. Machine limits unknown	1. Accept actual travel support 2. Map covers and buried features 3. Match equipment to terrain	1. Base and edge evidence 2. Structure capacity review 3. Machine and grade limits				
2. People and plant	1. Pedestrian runover 2. Reversal collision 3. Communication failure	1. Routes overlap 2. Blind spots unreviewed 3. Signals differ by crew	1. Separate walking and rolling 2. Coordinate plant movements 3. Brief common stop signal	1. Exclusion and route plan 2. Visibility and spotter position 3. Signal owner and briefing				
3. Equipment acceptance	1. Uncontrolled movement 2. Unrestrained rollover 3. Unsafe adjustment	1. Brake defect deferred 2. ROPS or belt removed 3. Scraper reached while moving	1. Hold control defects 2. Require intended protective setup 3. Use safe service procedure	1. Brake steering and warnings 2. ROPS and belt condition 3. Adjustment isolation method				
4. Compaction control	1. Weak edge worsens 2. Wrong vibration effects 3. Unaccepted pavement quality	1. Extra passes used as repair 2. Settings copied from other site 3. Pass count is sole record	1. Stop for support changes 2. Approve actual trial method 3. Link rolling and quality results	1. Trial and operating limits 2. Edge and structure response 3. Pass temperature and test records				
5. Abnormal response	1. Repeated settlement 2. Worker enters danger zone 3. Uncontrolled recovery	1. Cracks dismissed 2. Inspection beside moving roller 3. Recovery improvised	1. Exclude affected area 2. Stop before ground inspection 3. Obtain support and repair review	1. Crack and settlement location 2. Machine safe state 3. Revised equipment and method				
6. Opening decision	1. Early traffic damage 2. Unprotected workers 3. Lost equipment defect	1. Cooling not checked 2. Traffic control ends casually 3. Handover verbal only	1. Confirm acceptance and cooling 2. Authorize staged traffic release 3. Transfer unresolved defects	1. Quality and surface acceptance 2. Traffic-release owner 3. Machine and work-area restrictions				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Base and edge evidence	☐ Exclusion and route plan	☐ Brake steering and warnings
☐ Trial and operating limits	☐ Crack and settlement location	☐ Quality and surface acceptance
☐ Machine and grade limits	☐ Pass temperature and test records	☐ Machine and work-area restrictions