

Asphalt Paving Machine & Road Crew Safety Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Inspection checklist

Mobile Equipment (Paver & Rollers)

☐ Paver and tandem roller backup alarms are functioning and audible above ambient noise levels (min. 85 dBA).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Paver horn is operational and distinct.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Roller operator has clear, unobstructed visibility, or a spotter is used in blind spots.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Screed is free from defects (cracks, excessive wear) that could cause uneven asphalt distribution.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Hopper safety devices (e.g., locking pins, support arms) are in place and functioning correctly when the hopper is raised for maintenance.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Emergency stop buttons on the paver are clearly marked, accessible, and tested before each shift.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Roller seatbelts are present, undamaged, and used by the operator.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ No visible hydraulic fluid, fuel, or oil leaks are present on the paver or rollers.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Paver tires are properly inflated and free from cuts, bulges, or excessive wear.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Roller drums are clean and free of excessive asphalt buildup that could affect compaction.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Paver headlights and taillights are functioning properly, especially for nighttime operations.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Roller parking brake effectively holds the machine on an incline.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Site Conditions & Traffic Control

☐	A site-specific traffic control plan is in place, communicated to all workers, and effectively separates workers from public traffic (MUTCD compliant).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Warning signs (e.g., 'Hot Asphalt', 'Construction Ahead') are clearly visible and properly placed.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Pedestrian barriers are in place to prevent unauthorized access to the work zone.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Adequate lighting is provided for nighttime or low-light conditions (minimum 5 foot-candles).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Clear escape routes are identified and maintained in case of emergencies.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Work area is free from tripping hazards (e.g., tools, debris, materials).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Slopes adjacent to the paving area are stable and properly graded to prevent collapses.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Underground utilities have been located and marked before excavation or paving.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers maintain a safe distance from operating rollers and pavers (minimum 10 feet unless directly involved in the operation).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Clear communication methods (e.g., hand signals, radios) are established and understood by all workers.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Asphalt and other materials are stored in designated areas, away from traffic and pedestrian routes.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Personal Protective Equipment (PPE)

☐	All workers wear high-visibility safety apparel (ANSI/ISEA 107 Class 2 or 3) appropriate for the work environment.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Workers wear safety glasses with side shields to protect against asphalt splash and debris.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers handling hot asphalt wear heat-resistant gloves.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers wear steel-toe boots that meet ASTM F2413 standards.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers wear long-sleeved shirts and pants to protect against asphalt burns and UV exposure.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers wear hard hats that meet ANSI Z89.1 standards.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Respiratory protection (e.g., N95 mask) is available and used when asphalt fume exposure exceeds permissible exposure limits (PELs).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers are encouraged to apply sunscreen with an SPF of 30 or higher.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	PPE is clean, in good condition, and properly fitted.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	An eyewash station is readily available in case of asphalt splash in the eyes.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Heat Illness Prevention

☐	An adequate supply of cool, potable water (at least 1 quart per worker per hour) is readily available.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Shade is available for workers to take breaks during hot weather.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	A heat acclimatization program is in place for new workers or those returning after an absence.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Work-rest cycles are implemented to reduce heat exposure during peak heat hours.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	A buddy system is in place to monitor workers for signs of heat illness.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers are trained on the signs and symptoms of heat illness and how to respond.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers are encouraged to drink water frequently, even if they don't feel thirsty.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Workers with pre-existing medical conditions are closely monitored for heat stress.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐ Electrolyte replacement drinks are available to workers. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Ambient temperature and humidity are monitored to assess heat stress risk. ☐ Pass ☐ Fail ☐ N/A Notes: _____

Documentation & Training

☐ Material Safety Data Sheets (MSDS) for asphalt and other chemicals are readily available. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Daily equipment inspection logs are completed and maintained. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ The traffic control plan is documented and readily available on site. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ A competent person is designated and trained to conduct site safety inspections. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Workers are trained in basic first aid and CPR. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Equipment operators are trained and certified to operate the specific equipment they are using. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Workers are trained on hazard communication and chemical safety. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ An emergency contact list is posted and readily accessible. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Regular safety meeting minutes are documented and available for review. ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Incident reporting procedures are established and followed. ☐ Pass ☐ Fail ☐ N/A Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____