

Worksite: _____ Instructor: _____ Date/Time: _____

Topic C358: Road Brooms

Introduction: Road brooms are a useful piece of equipment for sealcoating, chip sealing, striping, and overlay work in the asphalt paving industry. Road brooms are used to clean paved surfaces where debris pick-up is not necessary. Road brooms are quick, light machines which can throw debris a considerable distance. Road brooms must be operated by a skilled and cautious operator to prevent accidents or injury to the operator, co-workers, pedestrians, and vehicle traffic. Following are guidelines for safe operation of road brooms.

General vehicle requirements:

- Employers must ensure that road broom operators are properly trained to safely operate the machine and are familiar with local regulations regarding operations on public thoroughfares, traffic control, and safety for pedestrian and vehicle traffic.
- Operators must wear appropriate personal protective equipment when operating road brooms, including eye protection, respiratory protection, hearing protection and a high visibility vest when required.
- Brooms must be equipped with adequate roll-over protection and a seat belt.
- All machine parts which pose a hazard to personnel must be guarded.
- Road brooms must be inspected before the start of work to ensure all guards are in place and secure. Check for any missing or loose bolts or parts. Check for hydraulic oil, fuel, coolant, and oil leaks. Repair or replace any damaged parts before operation.
- Never perform any repairs, service, or maintenance while the engine is running. Use proper lockout/blockout-tagout techniques when performing repairs.
- Road brooms must be equipped with operating service, parking, and emergency brakes. Brake lights and operating lights for night or low light operations are required.
- The road broom must be equipped with a manual audible warning device (horn) which can be heard over general job-site noise.
- Road brooms must be equipped with a flashing warning light visible 360 degrees, for operation in traffic areas, or on any public thoroughfare.
- Road brooms must have hand and foot holds for mounting and dismounting the machine. Footholds must have a non-slip tread.

Guidelines for safe road broom operation:

- Never dismount or leave the machine unattended while the broom core is turning.
- Do not allow riders unless the broom has adequate seating and seat belts for passengers.
- Any tools, equipment, or personal items on the road broom must be secured to prevent movement while operating. Keep the operator's cab free of clutter and debris. Keep all controls free of oil, grease, or dirt.
- Dust control must be provided when operations limit visibility, or dust becomes a hazard to traffic or personnel.
- Never angle the broom core toward traffic or personnel during operation. If debris must be swept toward any pedestrian walkway, restrict pedestrian traffic from the work area. Keep all broom operations an adequate distance from all personnel.
- Traffic control must be provided any time operations encroach on a public thoroughfare. Flaggers must be used where barricades or other control measures do not adequately control traffic.
- Keep the road broom at a safe speed at all times. Lower gears and higher rpm allow the broom to do a more thorough job with fewer passes.
- Do not fuel the road broom while the engine is running or hot. Do not allow fuel to overflow into the engine compartment or anywhere on the machine. Quickly clean or flush any spilled fuel.

Conclusion: Road brooms may be operated safely with proper training and common sense. Notify residents and commercial owners of your intended operation well in advance and take appropriate measures to keep debris off other people's property and clean up after the job.

Employee Attendance: (Names or signatures of personnel who are attending this meeting)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

These guidelines do not supersede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.