

MIOSHA Fact Sheet



Struck-By: Vehicles and Equipment

If vehicle safety practices are not observed at the work site, workers risk being pinned between construction vehicles and walls, struck by swinging backhoes, crushed beneath overturned vehicles, or other similar accidents. If you work near public roadways, you risk being struck by trucks or cars. MIOSHA has investigated 25 fatalities at construction work sites related to these types of accidents during the 10-year period of 2014 through 2024. MIOSHA Construction Standard [Part 13, Mobile Equipment](#) (Part 13), addresses safety requirements for various equipment used at construction work sites.

How to Avoid Hazards and Work Safe:

- Wear seat belts that meet MIOSHA standards (see Part 13 subsection (b)(9) under Motor Vehicles), except on equipment that is designed only for standup operation, or that has no rollover protective structure.
- Check vehicles before each shift to ensure that all parts and accessories are in safe operating condition.
- Maintain safe operating speed of all vehicles at all times.
- Do not drive a vehicle in reverse gear with an obstructed view unless it has an audible reverse alarm or another worker signals that it is safe.
- Drive vehicles or equipment only on roadways or grades that are safely constructed and maintained.
- Make sure that you and all other personnel are in the clear before using dumping or lifting devices.
- Lower or block bulldozer and scraper blades, end-loader buckets, dump bodies, etc., when not in use, and leave all controls in the neutral position.
- Set parking brakes when vehicles and equipment are parked and chock the wheels if they are on an incline.
- All vehicles must have adequate braking systems and other safety devices.
- Haulage vehicles loaded by cranes, power shovels, loaders etc., must have an overhead shield or canopy that protects the driver from falling material.
- Do not exceed a vehicle's rated load or lift capacity.
- Do not carry personnel unless there is a safe place to ride.
- Use traffic signs, barricades, or flaggers when construction occurs near public roadways.
- Workers must be highly visible in all levels of light. Class 2 high-visibility gear is required during daylight and Class 3 high-visibility gear is required during non-daylight hours.
- Equipment should always maintain a minimum of 10 feet of clearance from electrical lines.

For additional information regarding the hazards of Mobile Equipment, please contact the Construction Safety and Health Division at 517-284-7680 or the Consultation Education and Training Division at 517-284-7720. MIOSHA Standards can be viewed on the MIOSHA website at www.michigan.gov/mioshastandards.

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Construction Safety and Health Division
530 West Allegan Street • P.O. Box 30645 • Lansing, MI 48909-8145
www.michigan.gov/miosha • 517-284-7680
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