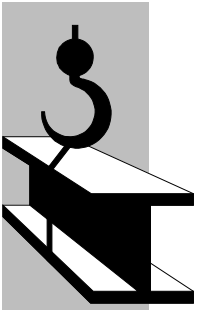


VEHICLES & HEAVY EQUIPMENT—CASE STUDY



Construction Inspector Killed by Backing Dump Truck

A 36-year-old construction inspector for the county died when an asphalt dump truck backed over him.

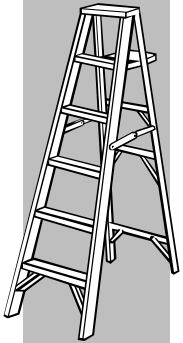


The truck was bringing hot asphalt to a new road being constructed in a housing project. The inspector was wearing an orange reflective vest and hardhat at the time of the incident. The dump truck had a back-up alarm that was functioning properly.

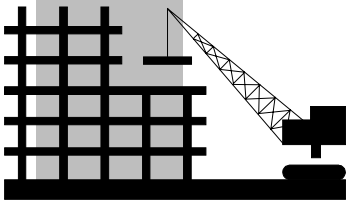
The truck traveled approximately 770 feet in reverse before backing over the inspector. The inspector had his back to the vehicle at the time. The truck driver stated he was traveling approximately 5 to 10 miles per hour when the incident occurred, and that he never saw the inspector.

Emergency medical personnel responded within seven minutes and pronounced the inspector dead at the scene.

April 12, 2000



What should have been done to prevent this accident?



Preventive Measures

Cal/OSHA investigated this accident and made the following recommendations.

Employers should:

- Require use of a second person as a spotter when backing heavy equipment with blind spots.
- Minimize the distance heavy equipment needs to back up to gain access to the work area.
- Consider using additional safety devices on heavy equipment to warn workers of a backing vehicle and to warn drivers when someone is in their blind spot.

This Case Study is based on an actual California incident. For details, refer to California Dept. of Health Services, Occupational Health Branch, Fatality Assessment and Control Evaluation (FACE) Report #00CA005.