

Case 237. 61-year-old male draftsman for a civil engineering firm was conducting survey work in a road's right of way when he was struck and killed by a vehicle.

A 61-year-old male draftsman for a civil engineering firm was conducting survey work in a road's right of way when he was struck and killed by a vehicle. The decedent and his coworker were taking measurements and making sketches of sewer pipe locations from outside of manholes. At the time of the incident, they were measuring the depth of sewer pipe from the top of the manhole. The two-lane, north-south roadway had a posted speed limit of 25mph. The roadway had an unobstructed, uphill grade. The traffic volume was moderate to heavy. The pickup truck used by the crew to travel to the site did not have a rotating light on the roof. The work was performed in the southbound lane. The pickup was parked to the side of the road and south of the incident manhole (manhole was north of the vehicle) to enable easier access to the tools located in the pickup bed. The manhole was to east of the pickup. The crew, wearing reflective safety vests, placed four orange traffic cones (per the police report) to use as warning devices and activated the vehicle's emergency hazard lights. They had not placed any advanced warning signs. The driver of the vehicle was traveling southbound when it struck the workers. The driver was identified on the police report as distracted at the time of the crash.

The MIOSHA Construction Safety and Health Division issued the following Serious citations to the employer at the conclusion of its investigation:

Serious: SIGNALS, SIGNS, TAGS, AND BARRICADES, PART 22

- **RULE 2221(2)**

Appropriate training for the work assignment for each employee engaged in activities covered by this part was not provided. The following is an example of the training that may be required:

- c) Proper placement and removal of signs, signals, tags, and barricades---

- Employees were engaged in survey work in the right of way. Employees were exposed to struck by hazards due to passing motorists.

- **RULE 2223(1)**

Traffic control devices were not installed and maintained as prescribed in Part 6 of the 2005 MMUTCD, which is adopted by reference in R 408.42209.---

- Employees were engaged in survey work in the right of way. Employees were exposed to struck by hazards due to passing motorists.