

**Case 310. 41-year-old carpenter died when the steel guardrail he was carrying was struck by a vehicle, causing him to be propelled into an outrigger of a nearby piece of equipment.**

41-year-old male carpenter died when the steel guardrail tubing he was carrying was struck by a vehicle, causing him to be propelled into an outrigger of a nearby piece of equipment and striking his head. The incident occurred on a bridge construction site. The roadway was appropriately signed for the construction work. A concrete barrier separated the travel lanes from the construction area. The decedent was carrying a 36-foot long piece of 2- by 2-inch guardrail steel tubing. Unbeknownst to him, the steel guardrail swung into the travel lane, extending approximately three feet over the concrete barrier. The guardrail was struck by the mirror and the windshield of an oncoming vehicle traveling approximately 25-30 mph. When the end of the guardrail was hit by the vehicle, the decedent was catapulted into the equipment's outrigger. The decedent was wearing a hard hat. He died several days later due to head injuries sustained at the time of the incident.

MIOSHA Construction Safety Division issued the following Health and Safety Recommendation to the firm at the conclusion of its investigation:

- Develop a Job Safety Analysis (JSA) program. The JSA should incorporate an assessment of potential hazards when working around traffic at the beginning of each shift. The JSA should include a hazard assessment of the work operation and site conditions, personal protective equipment (PPE) to be used and actions taken to eliminate the hazards.