CSI Country Wide Case Study Safety Strategy Discussion

Construction Safety Investigator

Instructions

The objective of this tool is to provide field supervisors with information to proactively engage workers and discuss safety related concerns that they may encounter. Safety discussions should not be limited to the subject above and should pertain to the activities that workers will be involved in that may have the potential for safety related exposures.

Case Day:

November 30, 200

Accident Type:

Work Zone Accident - Set Up

Relevant laws, rules and codes may include:

Manual on Uniform Traffic Control Devices (MUTCD) 2003 Edition, with revisions 1 and 2, 29 CFR 1926.200(g)(1)(2), 1926.201(a)(1) to (4), 1926.202.

Case:

A 57-year-old male supervisor/foreman/part owner of a concrete curb/gutter installation company was struck and killed by an oncoming pickup as he was placing a construction barrel in the roadway.

Accident Detail:

On the day of the incident, the decedent and county road commission inspector met at the jobsite to discuss repairs to approximately 15 linear feet of curb near the intersection of two roadways. Discussions between the foreman and the county inspector outlined the traffic control to be used during the activity.

After the arrival of the saw truck and prior to all crewmembers arriving at the site, the decedent began to install the channelizing drums to taper the southbound travel lane next to the curb where the repair work would take place.

The decedent already had placed three drums to begin the taper on the southbound lane. He then walked in front of the parked saw truck, entering the southbound lane, to place the fourth drum. A pick up truck traveling in the southbound lane struck the decedent.

Reconstructive Safety Evaluation:

- What are some of the possible causes of the accident being discussed?
- What actions could have been taken that might have prevented this accident from occurring?

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Accident Scene Conclusion:

Investigation indicated that no advanced warning devices had been placed in position by the decedent to provide oncoming traffic with construction notifications, that no flagmen were used to control traffic during the set up of the work zone and that the decedent was not wearing a safety vest as required by the company safety program.

Preventive Safety Measures Include:

- Ensure highway work zones are set up in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) and any local or state requirements.
- Develop, implement and enforce a comprehensive safety program that includes training on hazard recognition and avoidance of unsafe conditions. Training should include the hazards of work zone activities and Worker Safety Considerations as outlined in the MUTCD Part 6.
- Provide and ensure that employees wear appropriate personal protective equipment, including high visibility vests, when
 working along roadways.

Attendance Roster		

Reference: This case was reported in the NIOSH Fatality Assessment and Control Evaluation (FACE) Program, Report #2005MI065.

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