

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:

March 2009

Accident Type:

Rigging Accident - Equipment Failure

Relevant laws, rules and codes may include:

29CFR 1926.20(a)(1), 1926.21(b)(2), 1926.251, 1926.750 - .761

Case:

A construction worker was killed while he was working on a military base access gate reconstruction project and was struck by a beam.

Accident Detail:

The worker was part of a crew tasked with erecting a new canopy on a new guardhouse as part the base's access gate reconstruction project.

During the process of setting a 65 foot long, 4,750 pound steel beam, winds suddenly flared causing the steel beam to shift on the supports structure and fall.

The workers, acting quickly to save the beam, re-rigged the beam to secure it from falling further and to set it back into position. Once rigged, the beam was being hoisted back into position, when a catastrophic failure of the straps used in the rigging occurred, resulting in the beam falling to the ground, striking and killing worker below.

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?

