

# CSI Country Wide Case Study Safety Strategy Discussion

## Construction Safety Investigator

CHUBB®

### Instructions

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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:

August 2007

### Accident Type:

Aerial Lift Accident - Boom Collapse

### Relevant laws, rules and codes may include:

29 CFR 1926.453 and 1926.454, 29CFR 1910.67, ANSI/SIA A92.5-1992 “Boom-supported Elevating Work Platforms”, Aerial Lift Manufacturer’s Operation and Maintenance Specifications/Instructions

### Case:

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A mechanic sustained fatal injuries and a coworker was injured after the boom-supported aerial work platform they were riding collapsed.

### Accident Detail:

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The incident occurred at a college campus where the two workers were installing a sign on the campus Field House. The Field House is approximately 35 feet high and the sign was to be placed on the upper front section of the building. A boom-supported aerial work platform was used to elevate the workers. At the time of the incident, the victim with fatal injuries and the coworker were inside the lift basket. Both workers wore personal fall arrest systems (PFAS). The victim’s lanyard was attached to the lift basket. The coworker’s lanyard was not attached. At approximately 11:40 a.m., the boom of the work platform suddenly collapsed and the lift basket crashed to the ground. The victim and the coworker fell approximately 40 feet. Campus security was notified immediately and paramedics arrived within minutes. Both workers were transported to a hospital where the victim died an hour later. The coworker suffered serious injuries and survived.

### Reconstructive Safety Evaluation:

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- 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?

