

# CRANE TRUCK

## Operation & Safety Certification Course

Typically provided as a 1-day course, training includes classwork in the morning and hands-on instruction in the afternoon. Course is designed as an introduction for new employees and as a safety refresher for more experienced employees. In some states, course qualifies for CEU or PDH hours.

### Classroom Summary:

**Accident Case Studies:** Reviews a recent history of public sector crane truck and mobile equipment accidents. Relative OSHA standards and general equipment work zone safety issues are also considered.

**Equipment Orientation:** Includes a review of owner/operator video introducing each machine component, identifies all controls and their function(s) and discusses basic safe operating principles.

**External Work Zone Hazard Analysis (Temporary Traffic Control):** Vehicular and pedestrian traffic strategies are summarized by referencing MUTCD Chapter 6 Temporary Traffic Control sections. This includes work in travel lanes, at the roadside and when impacting sidewalk use.

**Internal Work Zone Set-up (Perimeters and Barriers):** Basic set up of a crane truck work zone is discussed, including use of cones, barricades, caution tape and other barriers. Discussion includes positioning of essential and non-essential equipment and the declaring of minimum distances for separating machinery and pedestrian workers.

**Imperative Essential Pedestrian Worker Rules:** Includes a number of close proximity rules for employees acting as spotters or who perform special "close-to-machine" tasks.

**Imperative Non-Essential Pedestrian Worker Rules:** Includes a number of close proximity rules for non-operators and motivates all workers to watch for conditions that are indicators of potential mobile equipment and work zone accidents.

**Preparing for an Unattended Work Zone:** Discusses issues related to vacated work zones; overnight, waiting for part(s) or waiting for other crew situations and how machinery should be secured when left unattended.

**Equipment Inspection and Use of Pre-Job Briefing Checklists:** This section reviews a sample pre-job briefing and checklist form that can be used as a tool to promote crane truck safety.



### Hands-On Exercises:

- Positioning & machine set-up
- Worksite Hazard Analysis (equipment overload; incline; wind impact; shock loading; tie-offs, snagging)
- Lift planning, load chart calculations, and accurate load weight assessment
- Basic rigging principles (sling positions and centers of gravity; sling geometry and sling inspection; wire rope inspection; types of hitches)
- Regular and scheduled maintenance
- ...and more!

