Safety Report Card

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Topics

- Construction Accidents Overview
- Construction Fatalities
- Construction Superintendent Rule
- Accident Prevention
Construction Accident Overview

- **Accidents**:
  - 2013: 185
  - 2014: 231
  - 2015: 435

- **Injuries**:
  - 2013: 203
  - 2014: 246
  - 2015: 472

- **Fatalities**:
  - 2013: 3
  - 2014: 8
  - 2015: 12

Percentage increases:
- **2013 to 2014**:
  - Accidents: 25%
  - Injuries: 21%
  - Fatalities: 44%

- **2013 to 2015**:
  - Accidents: 88%
  - Injuries: 91%
  - Fatalities: 50%
Construction Accidents vs. Jobs

- Active Jobs (NB, Alteration, DM)
- Accidents
2015 Construction Accidents by Category

2015 Other Construction-Related Accidents increased 174% compared to 2014

- 49% of these accidents were reports of minor cuts, bruises, scrapes, pinches, etc., where the worker transported themselves for medical treatment
- 33% of these accidents were due to the use of small tools and equipment (saws, grinders, hammers, mini containers, dumpsters, etc.)
2015 Construction Related Fatalities

- Worker Fell (6)
- Excavation/Soil Work (2)
- Mechanical Construction Equipment (1)
- Material Failure/Fell (1)
- Demolition (1)
- Other Construction-Related (1)
Worker Fell
Other Construction-Related
Worker Fell
Excavation/Soil Work
Worker Fell
Worker Fell
Worker Fell
Excavation/Soil Work
Material Failure
Worker Fell
Demolition
Worker Fall: Contributing Factors

Worker Error
- Not wearing or improper use of fall protections
- Distracted

Contractor Error
- Improper or no pre-task planning
- Lack of or inadequate temporary protection
- Inadequate or improper tools for the task
- Shortcuts/unsafe work practices
Fall Hazard Prevention

Remove

Re-engineer

Restrain
Material Fell: Accidents vs. Near Misses

<table>
<thead>
<tr>
<th>Year</th>
<th>Near Miss</th>
<th>Accidents</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>57</td>
<td>31</td>
</tr>
<tr>
<td>2012</td>
<td>73</td>
<td>36</td>
</tr>
<tr>
<td>2013</td>
<td>63</td>
<td>49</td>
</tr>
<tr>
<td>2014</td>
<td>122</td>
<td>57</td>
</tr>
<tr>
<td>2015</td>
<td>209</td>
<td>142</td>
</tr>
</tbody>
</table>
Material Failure/Fell: Contributing Factors

**Worker Error**
- Distracted from task
- Carelessness
- Taking shortcuts

**Contractor Error**
- Poor housekeeping
- Lack of or inadequate temporary protection
- Inadequate supervision
- Shortcuts/Unsafe work practices

**Material Failure**
- Improper or lack of planning
- Overloading
- Design Related
- Special Inspection Related
Material Fell Hazard Prevention

Remove

Re-engineer

Restrain
**Construction Superintendent Rule Revision**

**Key Revisions To Rule**

- All existing rules remain in effect
- Work scope covered now includes *certain alterations* (permits issued or renewed after 8/30/15)
- 1-3 family new buildings no longer require CS (5/30/15)
- CS duties expanded
- Competent person (as defined in Chapter 33) designated by CS must be on site at all times (5/30/15)
Alteration Work Scope Covered

- Vertical or horizontal enlargements; or
- Alterations/demolitions of more than 50% of floor area of existing building; or
- Complete removal of one or more floors; or
- Work requiring a special inspection for underpinning or support of excavation (SOE).

NOTE: Any work requiring a site safety program (SSP) is exempt.
Construction Superintendent: *Job* Defined

**Job.** A design and construction/demolition undertaking consisting of work at one building or structure, as well as related site improvements and work on accessory structures. A job may consist of one or more plan/work applications, and may result in the issuance of one or more permits.

An individual may only be designated as a primary or alternate construction superintendent for that number of jobs for which he or she can adequately perform all required duties. No individual may be designated as the primary construction superintendent on more than ten (10) jobs.
Construction Superintendent: Duties

- Visit site at least **once each day** of active work (8/30/15)
- Keep site safe/compliance with Chapter 33 (Safeguards during construction and demolition)
- Construction plan conformance
- Verify work is being conducted in accordance with sound construction/demolition practices
- Inspect all areas of work
Construction Superintendent Duties (cont.)

- Ensure correction of unsafe conditions
- Report accidents and damage to adjoining property
- Designate a competent person to be on site at all times and supervise construction (5/30/15)
- Keep daily logs of activity on site in accordance with minimum content requirements (5/30/15)
The duties of a Construction Superintendent (CS), Site Safety Manager (SSM), and a Site Safety Coordinator (SSC) are not analogous.

A SSM-SSC may not substitute for a registered CS.

Unique duties of CS:
- Construction plan conformance
- Verify work is being conducted in accordance with sound construction/demolition practices
- Designate a competent person to be on site at all times and supervise construction
- Inspect all areas of work
- Ensure correction of unsafe conditions
DOB Actions To Reduce Accidents

- Rule Changes (Construction Superintendent)
- Increased monitoring
  - Low rise sweeps
  - High rise sweeps
  - Contractor sweeps (bad actor)
  - Imposing Safe Compliance Officer (SCO) on problem jobs/contractors
  - Data analytics to identify trends of bad actors