



Construction Safety Week 2011

Preventing Accidents in NYC Michael Alacha, PE

April 25, 2011 – NYU Rosenthal Pavilion

Today's Agenda

- Accident Response
- Accident Data
- Major Accidents

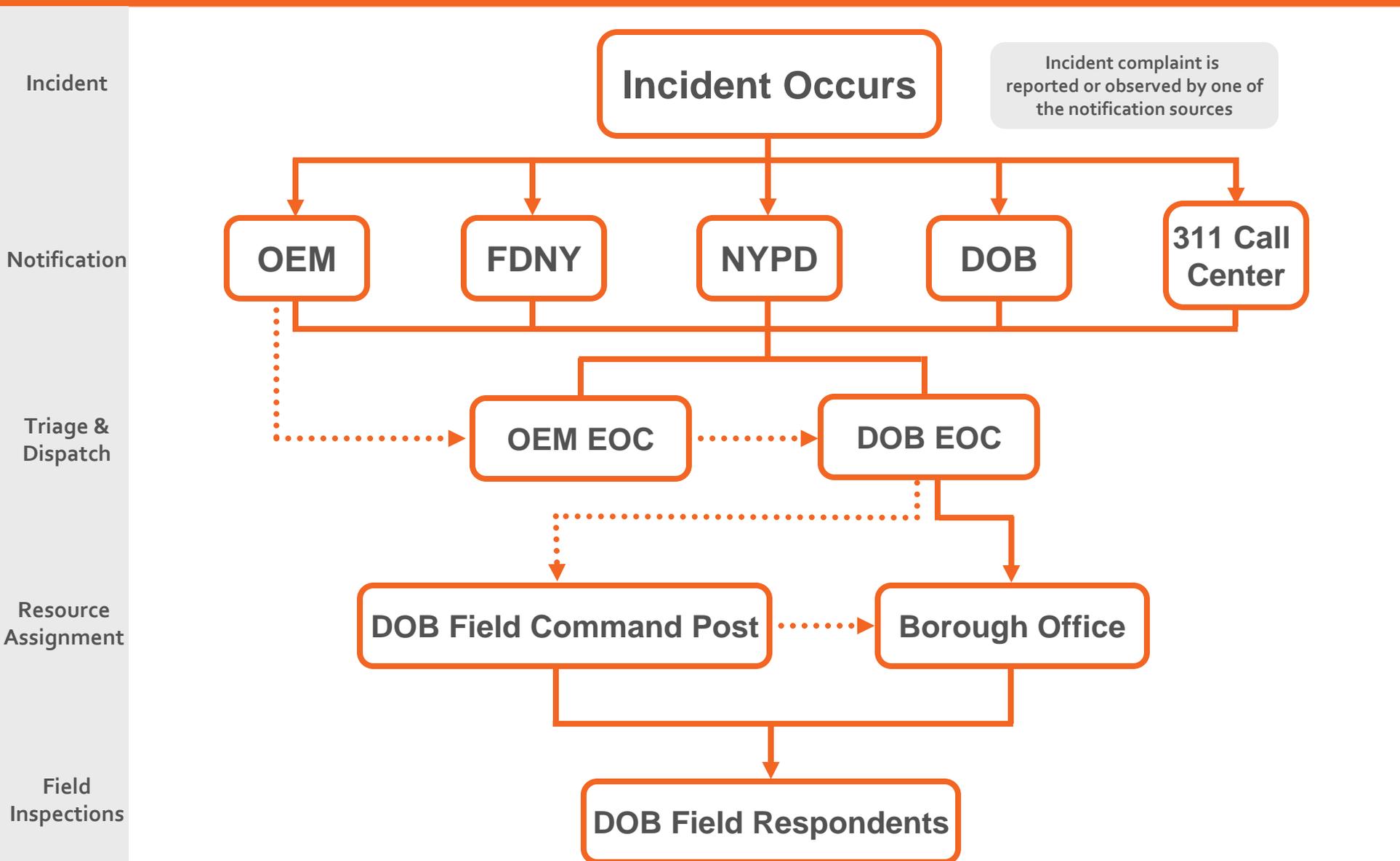


Accident Response

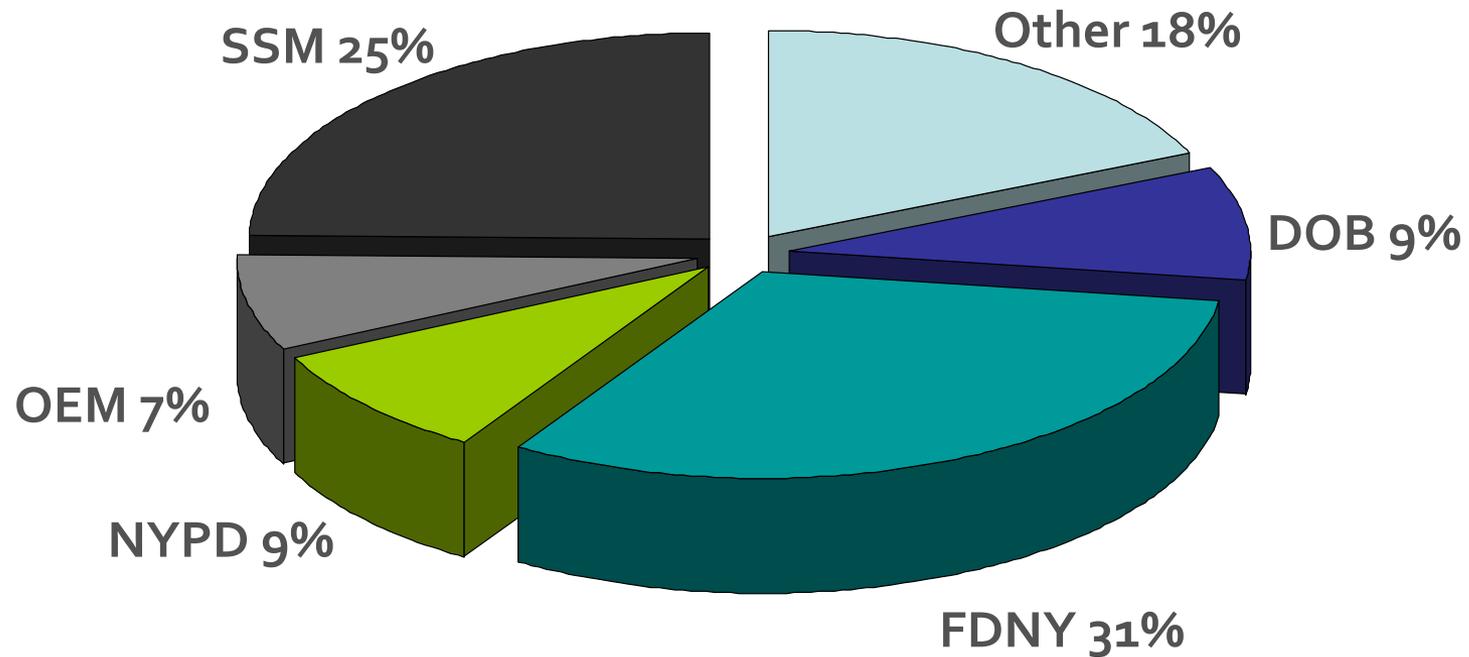
- Notification
- Response
- Follow-Up



Accident Response



Construction Accidents



Construction related accident categories:

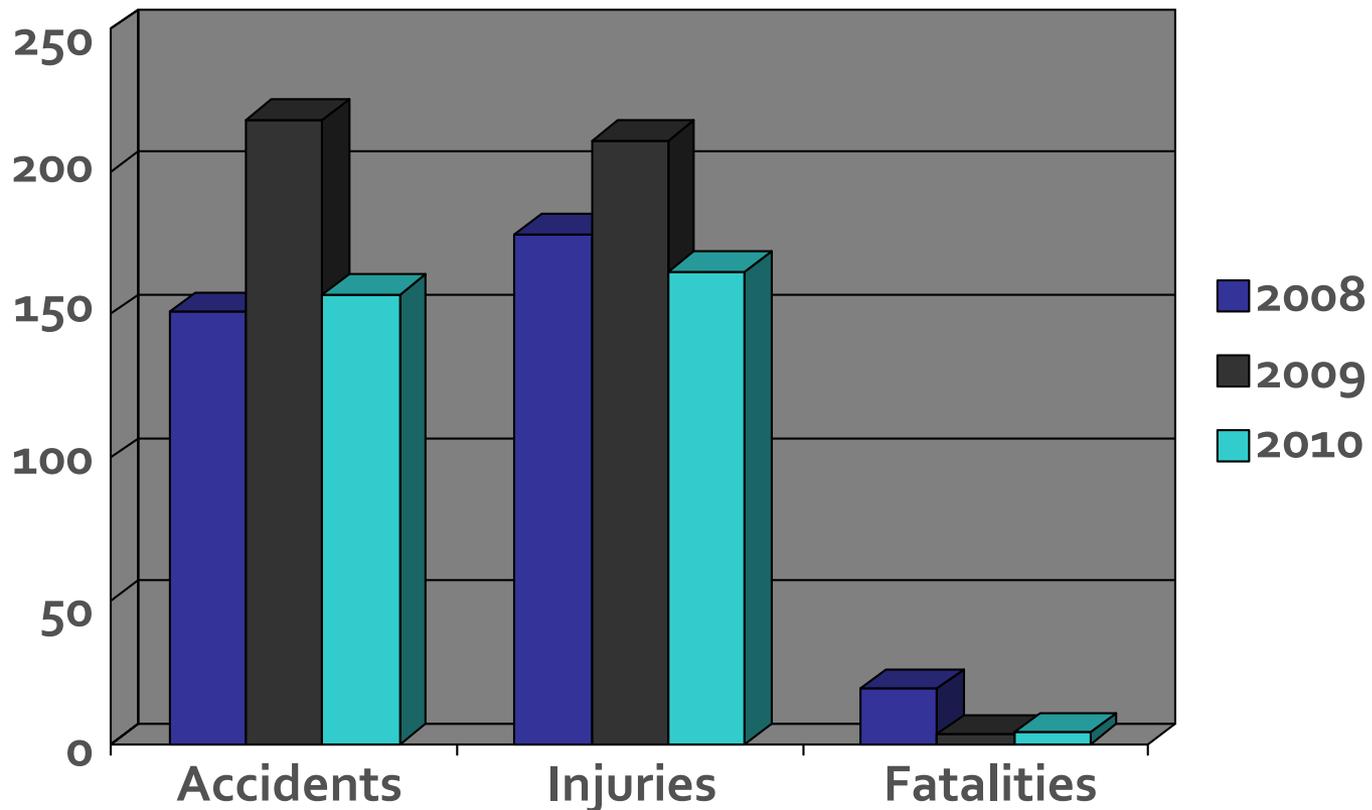
- Worker fall
- Excavation / soil work
- Material fell / failure
- Mechanical construction equipment
- Scaffold / shed / fence
- Site protection
- Other

Definitions

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- **Accidents** – Any incident resulting in injuries/fatalities
 - **Injuries** – Any injury to workers or the public
 - **Fatalities** – Any fatality to workers or the public

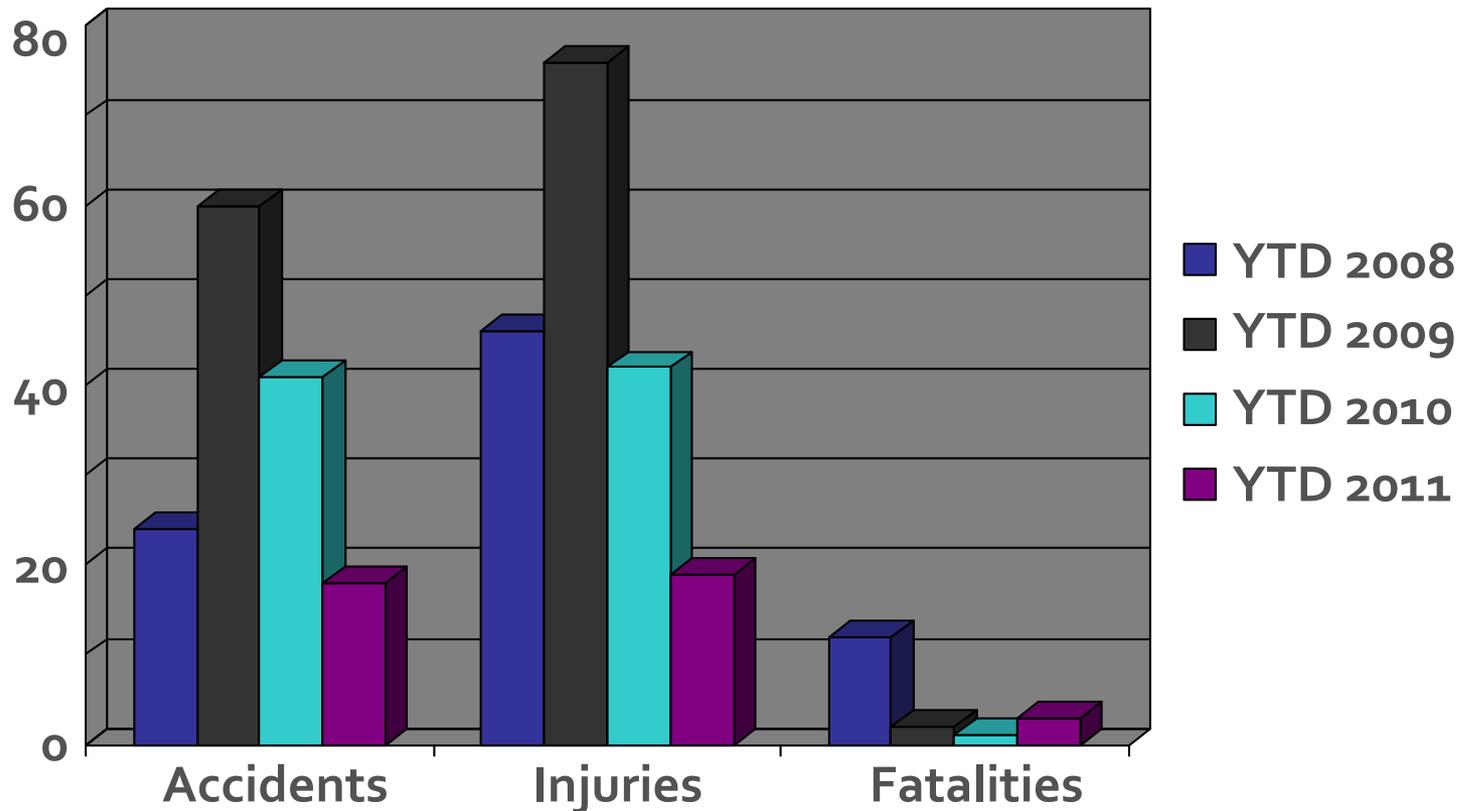
Construction Accident Data

Construction-related accidents declined by 28% in 2010 as compared with 2009. However, construction related fatalities increased by 33% in 2010.



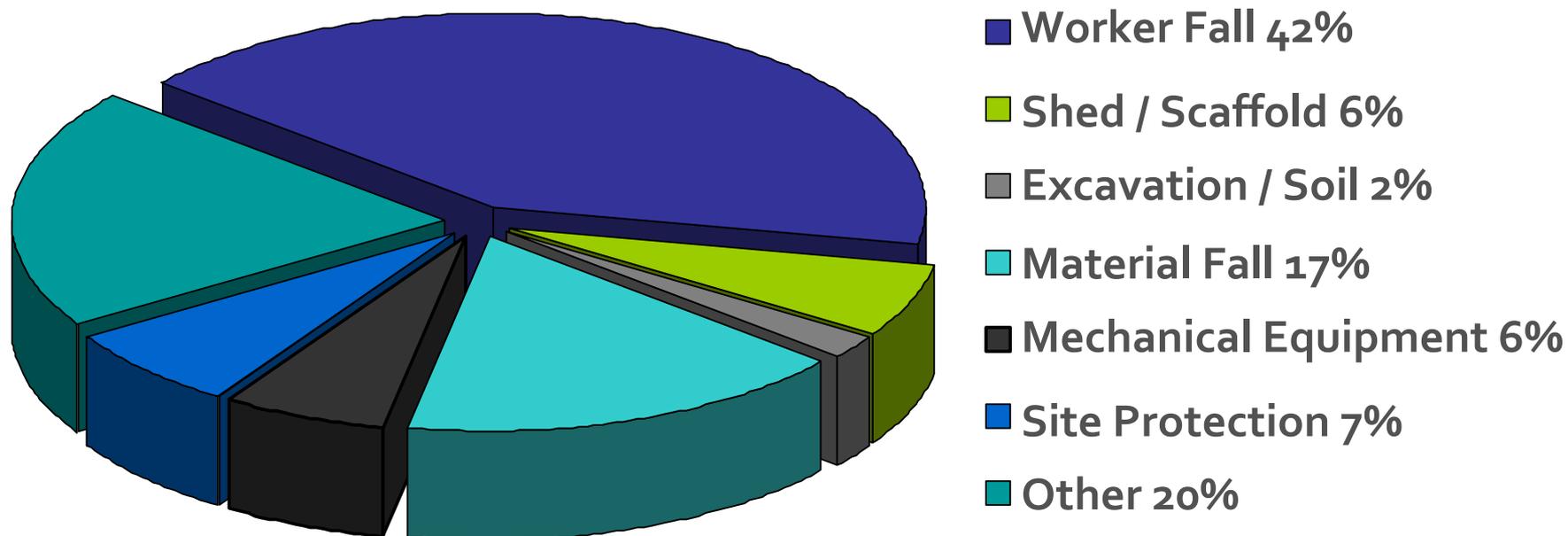
Construction Accident Data YTD

In the first quarter of 2011, construction-related accidents were down 56% as compared with last year. However, for the same time period, fatalities have increased from 1 to 3.



Construction Accident Causes

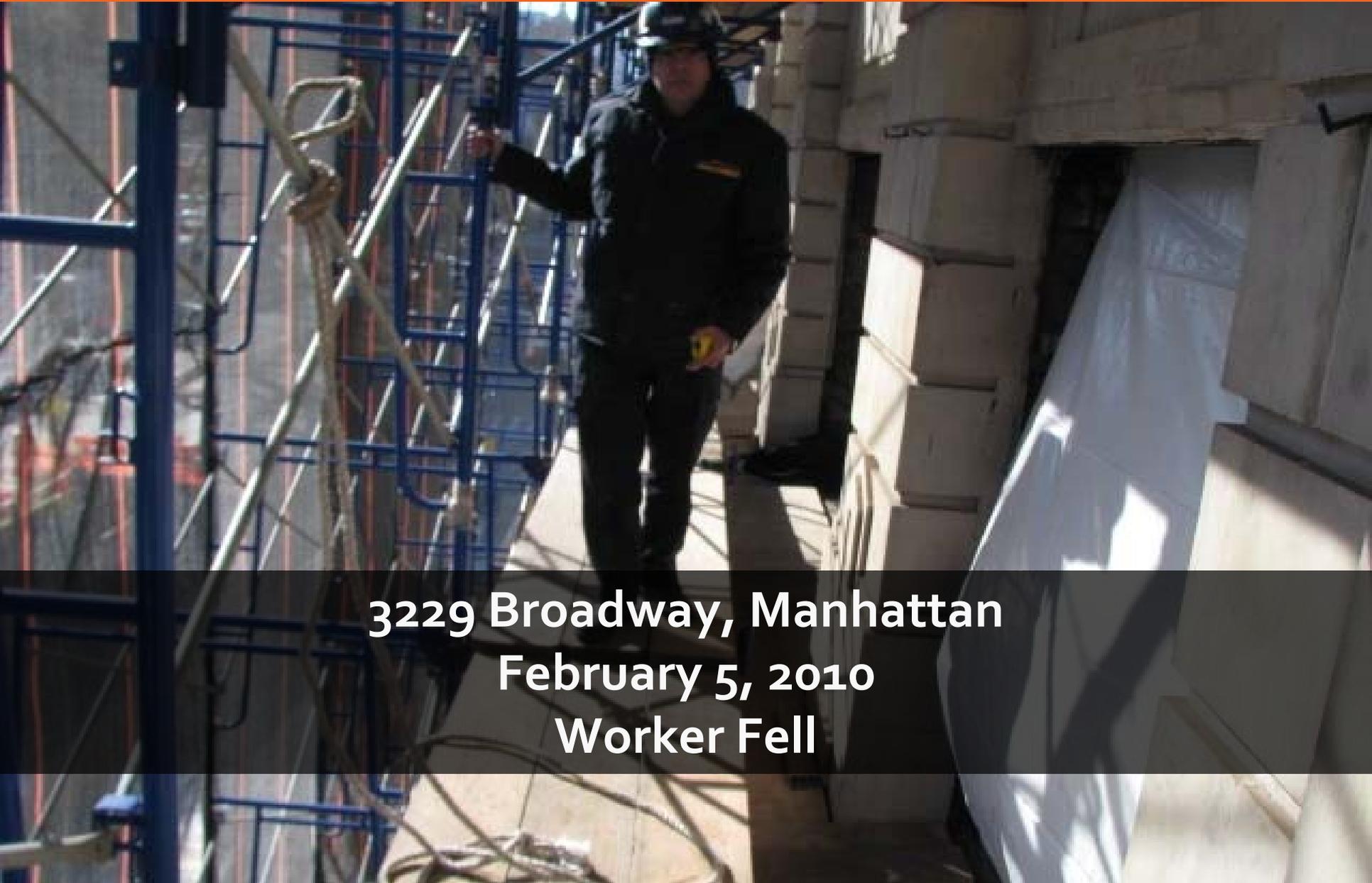
Approximately 42% of all construction related accidents in 2010 were due to a worker fall, a 40% decrease from 2009. However, the number of worker fatalities due to a fall doubled in 2010.



Major Accidents



Construction Fatalities 2010



**3229 Broadway, Manhattan
February 5, 2010
Worker Fell**

Construction Fatalities 2010



106 Meserole, Brooklyn
May 11, 2010
Worker Fell

Construction Fatalities 2010



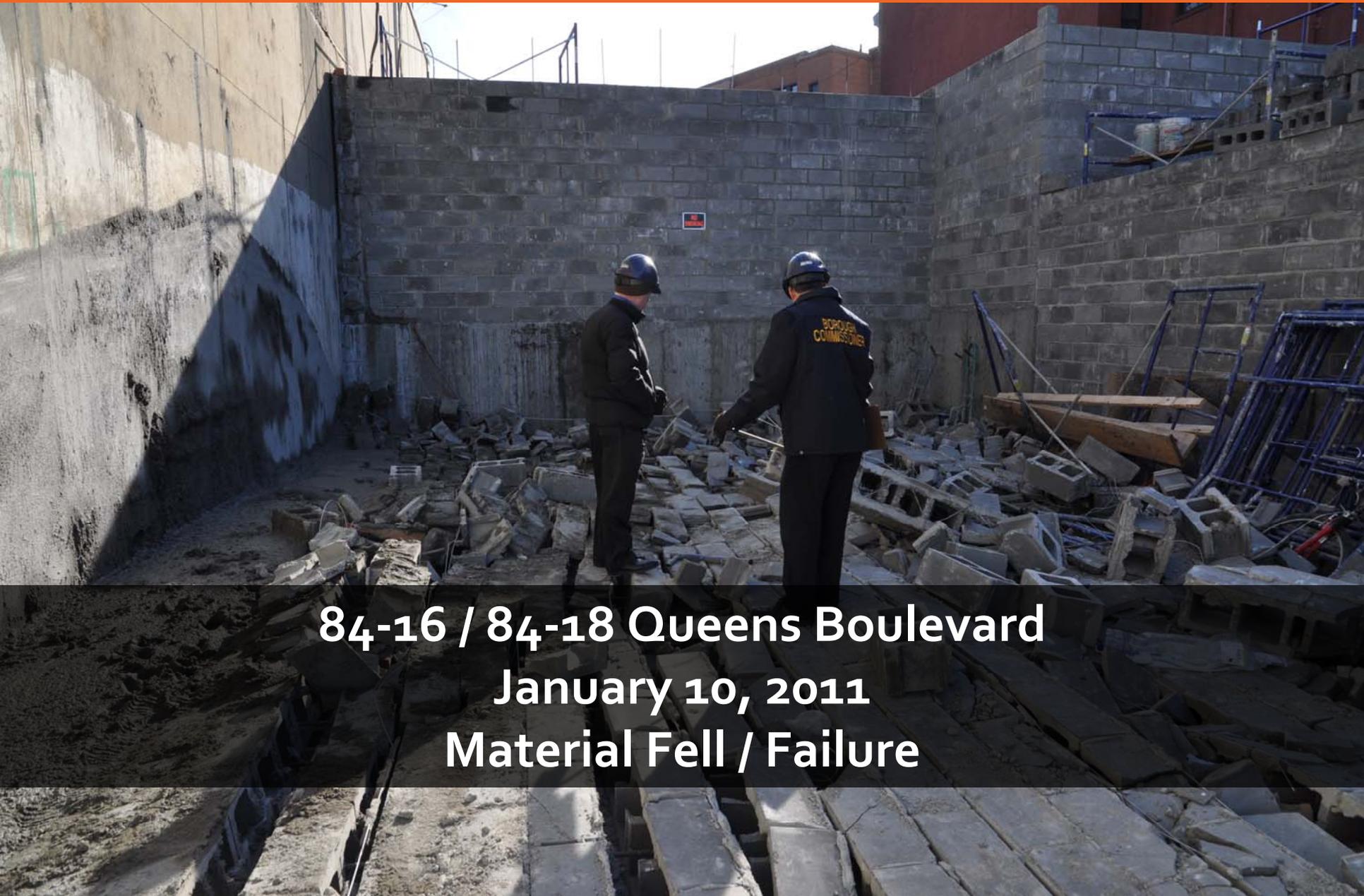
892 Bedford, Brooklyn
May 27, 2010
Worker Fell

Construction Fatalities 2010



76 Edgecombe Avenue, Manhattan
July 28, 2010
Worker Fell

Construction Fatalities 2011



84-16 / 84-18 Queens Boulevard
January 10, 2011
Material Fell / Failure

Construction Fatalities 2011



**150 West 83rd Street
February 8, 2011
Worker Fell**

Worker Fell – Common Causes

- **Worker Error:**
 - Not wearing fall protection
 - Improperly wearing fall protection
 - Distracted

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

- **Material Failure:**
 - Lack of or inadequate maintenance
 - Inadequate or no checklist inspections

Material Fell – Common Causes

- **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

“Experience is Not Enough”



The Department's new safety campaign "Experience is Not Enough."

The campaign seeks to remind construction workers that whether they've been in construction 10 days or 10 years, they need to protect themselves and each other.

Questions?