Bridge Collapse

One worker killed and one driver injured

On the evening of January 19, 2015, an overpass on Interstate 75 near Cincinnati collapsed, killing a construction worker and injuring a driver. The overpass was undergoing construction when it unexpectedly collapsed onto the road below it, which was still open to traffic.

"What appears to have happened is, in essence, an industrial incident - a workplace incident with respect to a construction crew that's doing work out here. Something went wrong, and a tragedy has occurred as a result."

-Harry Black, Cincinnati City Manager

Problem

What

Problem(s)

Bridge collapse, fatality

When

Date

January 19, 2015

Time

10:30 pm

Where

Facility, site

I-75 near Cincinnati, OH

Unit, area, equipment

Overpass

Task being performed

Demolition of overpass

Impact to the Goals

Safety Goal

1 fatality

Environmental Goal

1 injury

Production/ Schedule Goal

Significant clean up and investigation required

Customer Service Goal

?

Regulatory Goal

?

Property/ Equipment Goal

?

Labor/ Time Goal

?

NOTE: Read the Cause Map from left to right with the phrase "Was Caused By" in place of each arrow.

Bridge collapsed onto interstate

Worker on bridge

Safety Goal Impacted

1 fatality

Production/ Schedule Goal Impacted

Significant clean up and investigation required

1 injury

Evidence: Video and photos

Evidence: Expert opinion on why bridge collapsed

Labour/ Time Goal Impacted

Prepping for demolition

Excavator moving steel beams was on bridge

Evidence: Schedule of work

Evidence: Eyewitness accounts of accident

Environmental Goal Impacted

Structures of bridge was unstable

Evidence: About a day before all lanes were reopened

Construction company unaware of danger?

Evidence: Construction company would be fined for time the highway was closed

Significant financial incentives

Traffic open during construction work

Route Smashed by fallen bridge

Damage to truck

Evidence: Video and photos

Evidence: Schedule of work

Busy Interstate