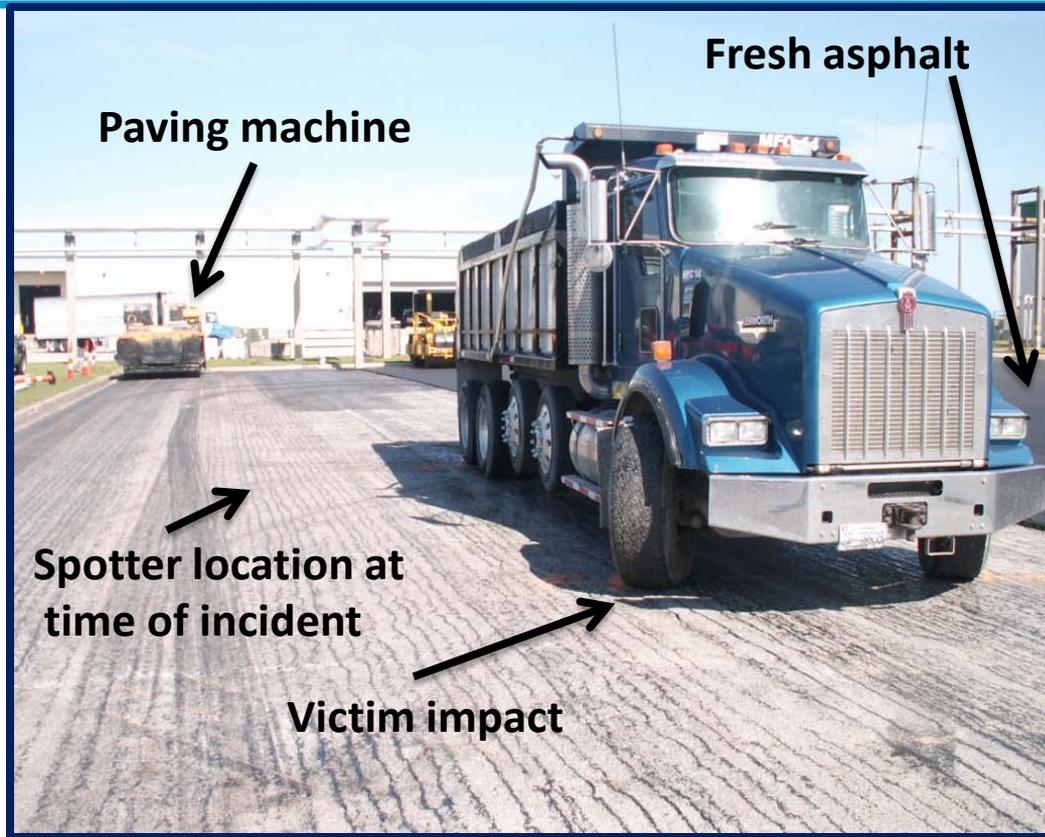


Contractor Fatality

Crushed by Dump Truck



Activity: During parking lot paving operations, a 52 year old male asphalt worker was laying string line to be used as a paving guide and was working bent over in the front blind spot of a dump truck full of asphalt. The truck spotter walked from in front of the truck toward the paving machine and tapped the worker on the hard hat cautioning him of the impending truck movement. Spotter then made eye contact with the driver through the passenger side window signaling to back the truck up to the paving machine. Driver unaware of the crouching worker in the front blind spot traveled forward instead of backward in order to reposition the front tires so as not to roll through the adjacent fresh asphalt. The truck rolled forward and crushed and killed the worker with the right front tire.

Direct causes

- Close proximity to moving heavy equipment
- Driver unable to see vehicle's front blind spot

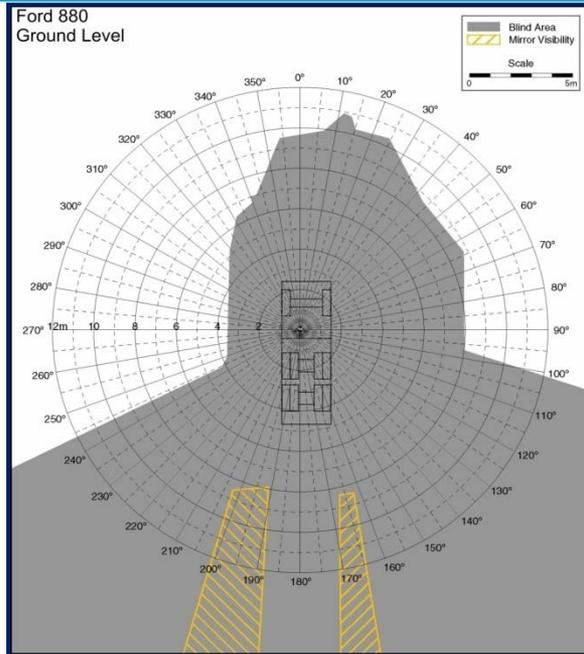
Indirect causes

- Spotter had his back turned to the vehicle after signaling to the driver
- Ambient noise from wind, dump truck, and adjacent airfield impaired oral communication effectiveness

Teaching Points

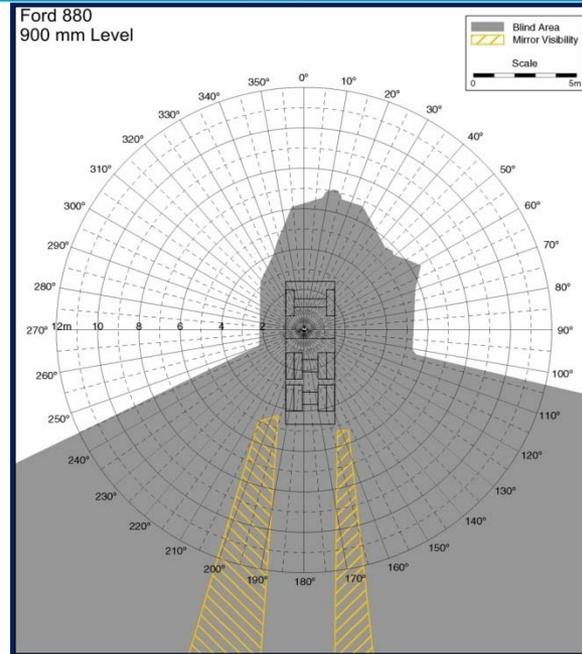
- Laborers, drivers and spotters need to be fully cognizant of moving vehicles and blind spots
- Spotters need to maintain positive control of vehicle movements at all times

Contractor Fatality Crushed by Dump Truck



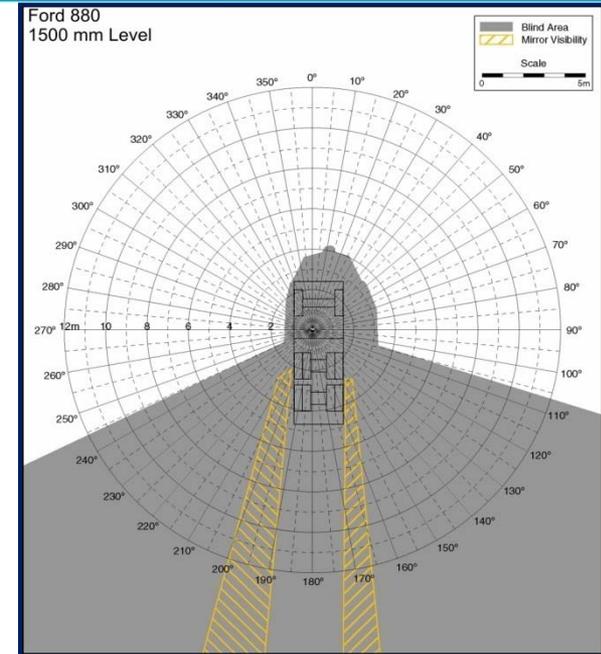
Visibility of Ground Level Objects

NOTE: No visibility over right tire - 8m



Visibility of Objects at 900mm

NOTE: No visibility over right tire - 6m



Visibility of Objects at 1500mm

NOTE: No visibility over right tire - 4m

Quick References

- EM 385-1-1 Section 18 - Motor Vehicles, Machinery & Mechanized Equipment, All Terrain Vehicles, Utility Vehicles & other Specialty Vehicles
http://140.194.76.129/publications/eng-manuals/em385-1-1/2008_English/c-18.pdf
- Center for Disease Control – Various Construction Vehicle Visibility Diagrams
<http://www.cdc.gov/niosh/topics/highwayworkzones/BAD/imagelookup.html>