

Visibility Blind Spots on the Construction Site

ECI Safety Meeting

KAP – Feb 19, 2010

SOBERING STATISTICS (2005)

www.elcosh.org/docs/d0100/d000038/sect32.html

- 469 vehicle -heavy equipment-related construction deaths
- 279 occurred on construction sites (59%)
 - 42% involved heavy equipment
 - 23% involved trucks
 - 14% involved road vehicles
 - 11% involved forklifts
 - 8% involved aerial lifts
- 177 deaths occurred on streets and highways
 - 162 drivers and passengers,
 - 7% involved mobile heavy equipment
 - 34% heavy trucks,
 - 56% other road vehicles (such as cars and pickup trucks).
 - 15 workers who were struck by vehicles on highways
 - 13 workers doing vehicle maintenance/repair

Solutions

- High-Visibility Clothing
- Backup Alarms
- Protective Barriers
- Observer
- Communication
- Awareness
- Others



Mobil

Mobil

A.C. Paving

662-1010









12/04/2002



Construction Equipment Visibility Charts

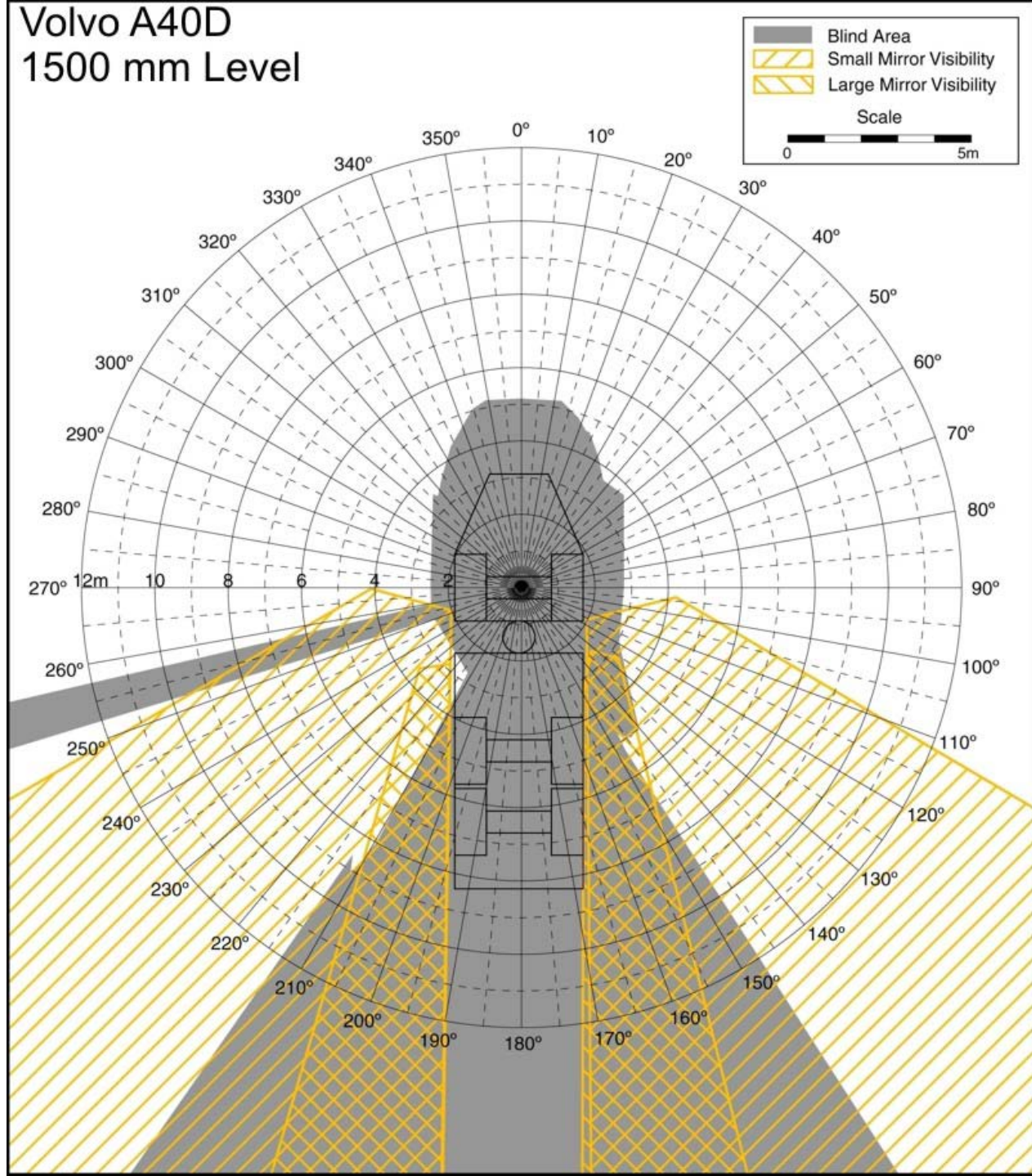
CDC/NIOSH

- <http://www.cdc.gov/niosh/topics/highwayworkzones/BAD/imagelookup.html>
- GOOGLE:
 - niosh construction equipment blindspots

Blind Spots

NIOSH/CDC

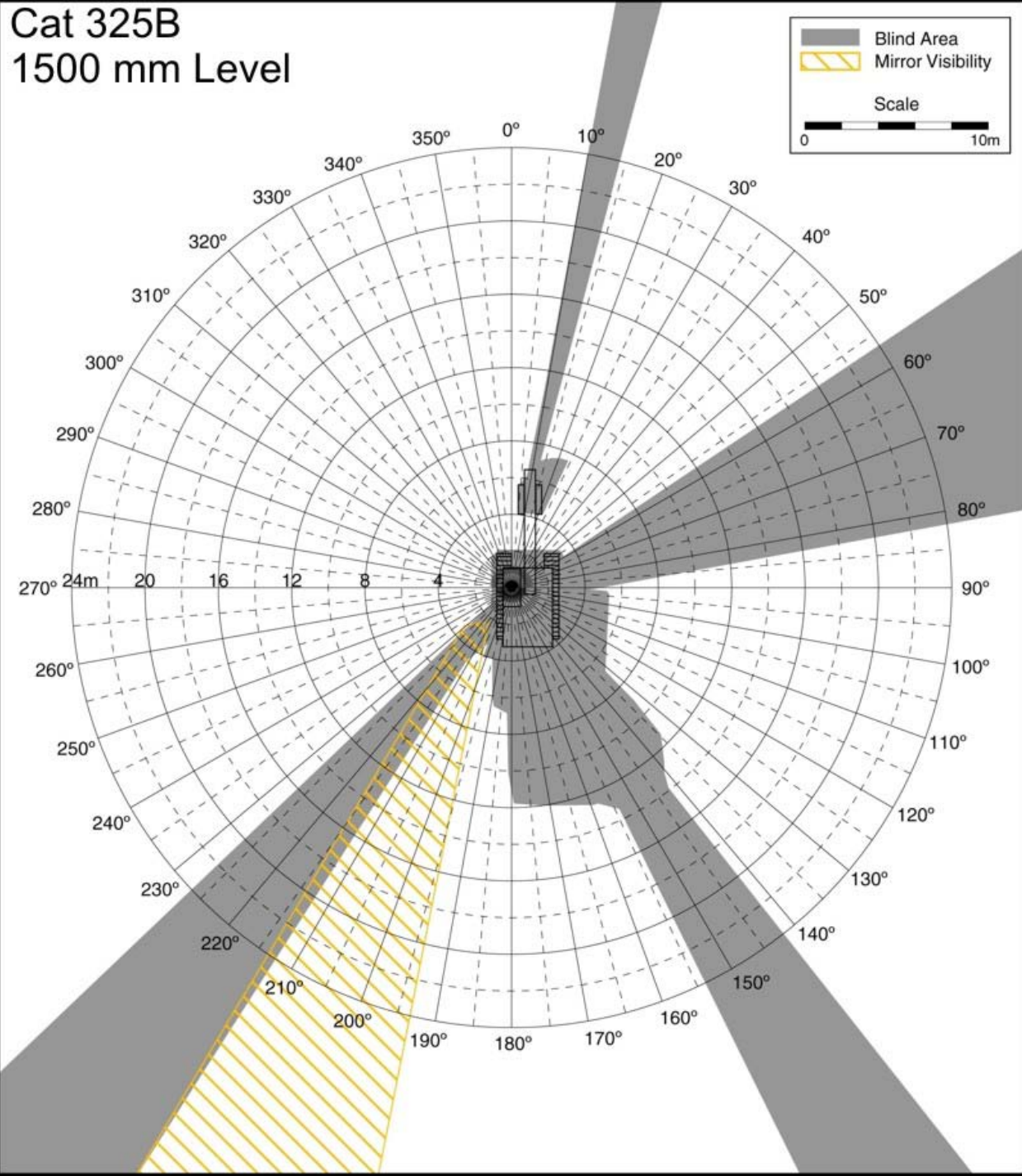
Volvo A40D
1500 mm Level



Blind Spots

NIOSH/CDC

Cat 325B
1500 mm Level





Ken's Final Comment

Upon walking onto a work area, the man on the ground has the primary responsibility to become aware of and to adopt to the available solutions:

- Tailboard (PPE, restricted areas, etc).
- Understanding Equipment Traffic Patterns before walking through.
- Making the Equipment Operators aware of your presence.

DISCUSSION