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
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

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