Workzone Safety – Why?

- **UK HW Agency (2006)**
  - Vehicles: 5 x higher risk in CWZ
  - CWZ workers
    - 1 on 5 has been involved in accident
    - 1 on 2 experienced dangerous situation.

- **USA (2005)**
  - 43,000 fatal road accidents
  - 1,704 in a CWZ
  - CWZ workers: 32 fatal accidents / 100,000 employees
    - (3x higher than general building & construction)
Workzone Safety – Why?

- Netherlands
- Cobouw study (2005) : CWZ worker safety
  - 75% experienced “near misses”
  - 91% does not feel safe due to
    - Speeding of traffic
    - No discipline and understanding by passing traffic
- SWOV (2005) :
  - 16 % of fatalities on dutch motorways
    - 39% in a CWZ
Workzone Safety – A matter of…
Workzone Safety – A matter of...

Mobility

Passive Safety

Drivers’ Behaviour

WORKERS

Chantier

3m 3m 3,25m

70 70 70

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Road Signs and Marking

..To COMMUNICATE the dangers..
Passive Safety Devices

..To decrease the CONSEQUENCES..
Traffic Management

Mean travel time for the vehicles driving through the whole main route

..To keep the MOBILITY..
WORKERS

IMAGINE YOUR DESK HERE
Workzone Fatalities 1997-2007

The Situation for United States:

Source: Fatality Analysis Reporting System

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Workzone Safety – A matter of…

Mobility

Passive Safety

WORKERS

Drivers’ Behaviour
Why decrease the level of safety in workzones?

Safety

High level of safety
- Maintenance, cleaning operation, renewal of existing system, ...
- (improved road conditions)

Low level of safety
- (bad road conditions)
- Low level of protection
  - (or no protection at all)

Not acceptable

Work time

Time

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