Workplace Transport Safety: The mobile financial crisis

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Overview

- Transport System
- Transport Safety
- Transport and Workplace Safety Issues
- Workplace Transport Safety Solutions
The government's view of the economy could be summed up in a few short phrases:

*If it moves, tax it.*

*If it keeps moving, regulate it.*

*And if it stops moving, subsidize it.*

- Ronald Reagan

*Industry's view of the economy?*

*Where does safety fit in?*
How Important is Transport?

- Transport is 9% of the national economy (GDP)
- Transport & logistics (T&L) is 14.5% of national GDP
- Transport & logistics (T&L) is 24.1% of WA's economy
- Transport & logistics (T&L) is the largest sector in the Australian economy
- Transport is essential for communities and the Australian economy

**Source:** Australian Logistics Council Reports 2007

Perth’s Transport Future?

- By 2020 for Perth it is estimated that
  - population will increase by 13%;
  - road freight transport will increase by 34%;
  - traffic delays will increase by 28%;
  - congestion costs will rise by 69% to $1.2 billion per annum.

**Source**
*Estimating Urban Traffic and Congestion Cost Trends for Australian Cities*
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Transport Safety by Mode

<table>
<thead>
<tr>
<th>Indicator (2007)</th>
<th>Road</th>
<th>Rail</th>
<th>Marine</th>
<th>Air</th>
<th>Workplace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatalities</td>
<td>1616</td>
<td>37</td>
<td>52</td>
<td>22</td>
<td>232</td>
</tr>
<tr>
<td>Fatality Rate</td>
<td>7.7</td>
<td>0.18</td>
<td>0.25</td>
<td>0.10</td>
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<tr>
<td>Injury Rate</td>
<td>151</td>
<td>0.84</td>
<td>0.57</td>
<td>0.21</td>
<td></td>
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<tr>
<td>Fatality Rate</td>
<td>5.4</td>
<td>2.8</td>
<td>0.42</td>
<td></td>
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</tr>
</tbody>
</table>

Source: Australian Transport Statistics Yearbook, BITRE (2009)

Transport Safety Regulation

➢ Transport as a specific element of OSH

Transport Safety
- Transport in the workplace
- Safety in the transport industry
- Transport outside the workplace

Occupational Safety
- Safety in the workplace

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Whose Responsibility?

Deaths in Australia

tens of people

Road  Rail  Marine  Air

Workplace (unreported)  Workplace (reported)

Sources: Australian Transport Statistics Yearbook, BITRE (2009)
Compendium of Workers’ Compensation Statistics Australia 2007-08
Safe Work Australia, (2009)
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The Transport Industry Safety

Safety in the transport industry is important. In 07/08, the Transport & Storage industry recorded:

- 68 fatalities, the highest number in any sector, 52 were in road freight transport
- the highest number (9945) and percentage (7.6%) of total Serious Claims for any occupation subcategory
- the highest fatality incidence rate, 15.1 compensated fatalities per 100,000 employees

Source: Compendium of Workers’ Compensation Statistics Australia 2007–08
Safework Australia (2009)
Transport Safety Issues for any Workplace

- Transport safety in any industry is important
  - about 100 people a year die in motor vehicle crashes and are reported in OSH statistics
  - about 450 people die in motor vehicle crashes while at work
  - vehicle crashes are the 2nd highest cost per insurance claim
  - transport work is 2nd highest frequency of serious claims
  - level crossing crash reported to cost $20m.

Is a crash between a minerals train and a grain truck a transport, resources, agricultural or workplace incident?
Transport Safety Issues Outside the Workplace

Transport safety outside the workplace is important

- about 1400 people die on Australian roads each year (2009) and more than 30,000 are injured
- the cost of road crashes in Australia is approx. $30 bn pa
- about 30% of lost time at work is due to road crashes (not necessarily in the workplace)
- the cost of road crashes to workplaces could be about $9 bn pa
Workplace Transport Issues

- Safe vehicles
- Safe speeds
- Driver competency
- Safe loads
- Fatigue and alcohol
- Unusual events
- Unsealed road safety
- Long distance driving

43% had not received any occupational health and safety training in the job where their injury or illness occurred.


Performance: Waking Hours v Alcohol

.05 BAC = ~17 hours awake
.10 BAC = ~24 hours awake

Safe Systems

- Recognise that users make mistakes
- Set targets
- Recognise the limits of the human body to withstand energy
- Integration and collaboration between contributing parties and authorities

**Figure 11: The Safe System (adapted from ATC, 2007)**

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Workplace Transport Solutions

- Workplace vision and road safety policy
- Organisation and structure
- Management - systems and information
- Staff performance management
- Risk management
  - Risk identification, elimination, reduction, incident response
  - Recruitment and selection
  - Induction programs
  - Fleet selection and maintenance
  - Incentives and disincentives
  - Training and education

Benefits of Workplace Transport Safety

- reduced stress and trauma to staff and their families
- increased morale and improved productivity
- increasing staff availability for work
- reduced vehicle damage and work rescheduling
- reduced administration and HSE management
- increased vehicle availability
- reduced business and customer interruptions
- reductions in vehicle and workers’ compensation insurance premiums
- lower repair, maintenance and running costs
- increased resale value from improved care of vehicles by drivers
"… South West Hwy, 6:50am …"

"… fighting charges of dangerous driving, saying she has no memory of a three-car crash …"

"… was heading to Bunbury after a 12-hour night shift…"

"… had a momentary lapse of concentration … "

Source: The West Australian 4/8/10

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Best Practice Workplace Safety?

- There are alcohol free workplaces for safety, and it is equally unsafe to send people home drunk from workplaces
- Road safety risks from fatigue are identical to the risks from alcohol
- One day:
  - a worker will go home from work too tired and die in a road crash
  - a worker will die in a crash where the vehicle is not 5☆ ANCAP crash rated
  - a worker will roll a car on a gravel road and die
  - an untrained worker will roll a 4wd and die
C-MARC

- Outcome focussed
- Multi-disciplined
- Strong analytical base
- Independent
- Multimodal

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