#### ATTRIDING STATE RECOMMENDATIONS Of 26 CORONIAL INVESTIGATIONS From 13 RLX CRASHES 2002-2009 IN VICTORIA, AUSTRALIA

Terry Spicer RLX Safety GLXS – 2014 4 August 2014

**Background** 

#### GLXS 2012 - London

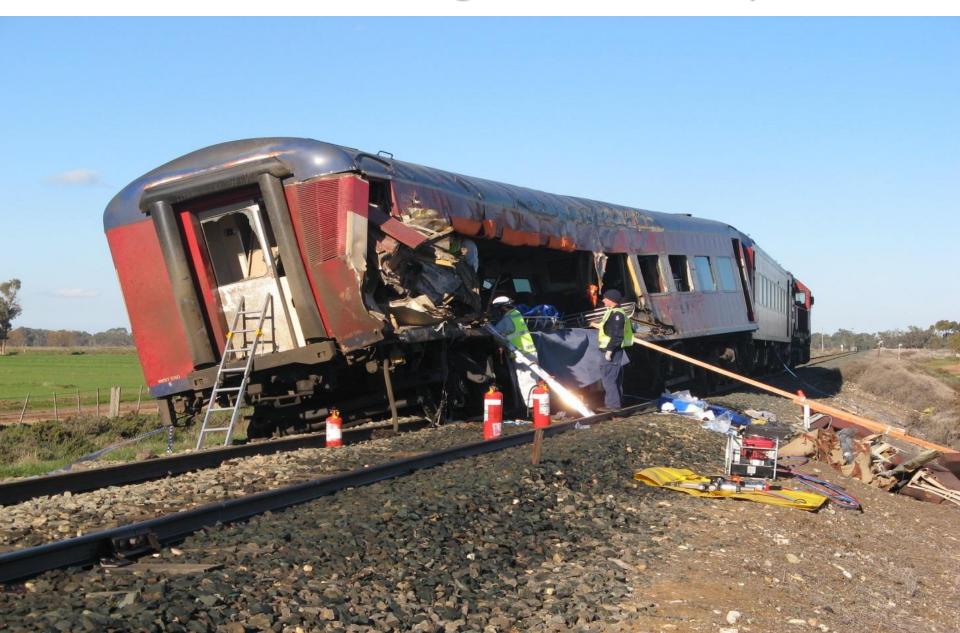
RLX Safety Web Site

http://www.rlxsafety.com/publications.html

#### **KERANG - 5 JUNE 2007**



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## The VicPol Kerang Reconstruction 5 June 2007



#### **KERANG - 5 JUNE 2007**



"fail to become aware of an approaching train, despite a plethora of level crossing warnings, and who become involved in a fatal level crossing collision".

The Inquests focussed on 3 areas;

- 1. The driver and the road vehicle
- 2. The infrastructure
- 3. The emergency response

Coroner Hendtlass found;

"there is a group of road vehicle drivers who cannot be reached by the current active or passive level crossing warnings at the time they are approaching a level crossing."

She added;

"There is no evidence before me to suggest that these drivers are otherwise inattentive or pre-disposed to failing to respond to stimuli."

The Investigations;

- 2009 OCI Report No 2007/09
   (Assisted by ATSB Human Factors)
- 2. 2009 The Kerang Criminal Trial
- 3. 2011 -2013 Coronial Inquests

## INDIVIDUAL RAIL MANAGER'S ACCOUNTABILITY

## "preventative action" in August – October 2006"

# A COMPREHENSIVE RISK ASSESSMENT???

# The paper contains 8 listed "Additional Risk Mitigation Options"



- The OCI Report ...
- The Criminal Trial and The Coronial Inquest Investigators - Did not Employ Anyone With Rail Industry Expertise to;

## "ASK THE RIGHT QUESTIONS"

## The Coronial Inquest Findings & The 25 Recommendations

#### **Covers Three Categories.**

- 1. The driver and the road vehicle. (7 Recommendations)
- 2. The infrastructure.

(10 Recommendations)

3. The emergency response.

(8 Recomendations)

### The Coronial Inquest Findings & Recommendations

#### Recommendation No 3;

"That Transport Safety Victoria and VicRoads commit themselves to joint sophisticated human factors research and innovative technology to determine how best to alert drivers who will otherwise not notice an approaching train in the context of current level crossing warnings."

### The Coronial Inquest Findings & Recommendations

INATTENTIONAL BLINDNESS, CHANGE BLINDNESS, **AND** TRAIN CONSPICUITY RESEARCH

#### INATTENTIONAL/CHANGE BLINDNESS

WIKIPEDIA

Christopher Simons (et al.): University of Illinois — Urbana, Champaign — 2010

"Monkey Business Illusion"

http://en.wikipedia.org/wiki/Invisible gorilla

#### **Monkey Business Illusion**



## The Coronial Inquest Findings & Recommendations

Might Well Explain The 10% or So of our RLX Fatalities, Which We Have Always Concluded Are; "INEXPLICABLE?"

## Thank You & The Very Best For The Future Success Towards "ZERO – RLX ACCIDENTS" TERRY SPICER



#### My Wife Nicole & I are Now Going to Explore Some of Your Beautiful Country

