## Ambulance Transport Safety Summit Bridging the gap between what we do and what is known

EMS Subcommittee of the TRB Ambulance Transport Safety Summit Nadine Levick MD, MPH

October 29th, 2009

TRANSPORTATION RESEARCH BOARD

### **Goal of the Summit**

"Enhancing ambulance transport safety through shared knowledge of technical data"



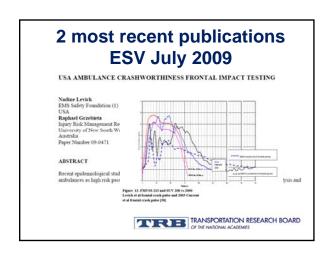
## Collaborative Interdisciplinary Initiatives

- · Government agencies
- TRB
- SAE
- Academia
- Industry

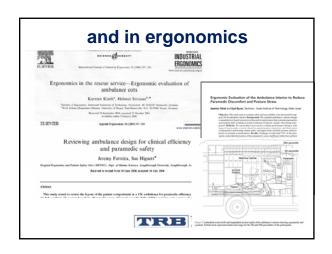


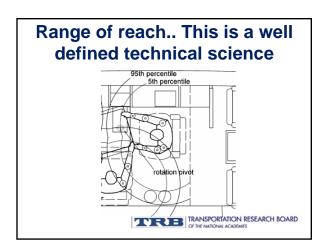
# We should use the best safety practices demonstrated in engineering Development of an Effective Ambulance Patient Restraint When the first of the

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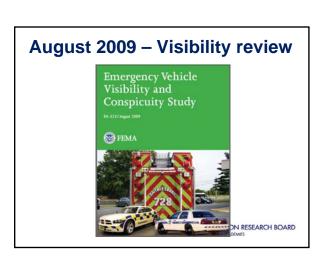












### John Killeen – Technical Expert Panel

- Lead operational expert in visibility and conspicuity ambulance operations focus
- Intensive Care paramedic
- · Canberra Australia





- 1. Vital first step toward developing informed guidelines
- 2. A generalised report with an underlying awareness of numerous political & multi-agency sensitivities
- 3. Embraces operational diversity [Fire, Police, EMS]
- 4. Recognises US & selected international research
- 5. Key Findings /Opportunities are basic sound practise
- 6. ! Generalisation can lead to misinterpretation of detail
- ! Many photos in the report display real-life examples of poor design & practise





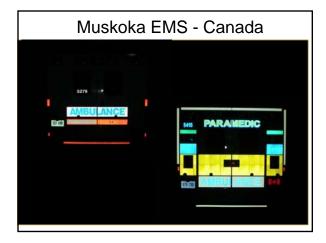
FEMA - Emergency Vehicle Visibility and Conspicuity Report Key Points within the Study - John Killeen

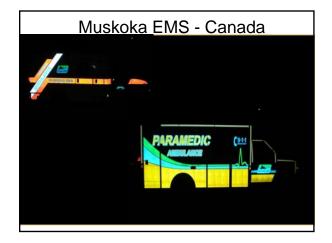
Succeeds in focusing the future direction of conspicuity research and practise for all US states + other countries

- Importance of contour markings especially the difference between research in USA & Canada + benefits of solid colors
- Battenburg and chevrons effectiveness is unproven due to lack of research and possible cross-cultural misinterpretation
- 3. Need for national standardisation of colors for rear chevrons
- A balanced approach in the use of fluorescent and retroreflective markings + the possibility of visual overload
- Lowering some markings on larger vehicles to waistline height to cater for sharp light cut-off on new headlamps









## **Questions??**

- Please raise your handor type in the message box
- or send your questions via this link
   http://www.emssafetyfoundation.org/TRB2009
   SummitQuestions.htm

