

Pedestrian Refuges

RCA Forum

30 November 2012



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“Highly practised tasks become automatic.

Most drivers are driving without awareness, most of the time. The most highly-practised routes are where drivers are most likely to have their crashes.” Dr Sam Charlton

When driving is automatic, we don't adapt to suit changing conditions - the unexpected.



Dr Sam Charlton

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100-Car Naturalistic Driving Study

Virginia Tech Transportation Institute (VTTI) 2005

100 cars: 1 yr, 241 drivers, 43000 hrs, 2 million miles

Not looking where going within 3 sec of

- 80% of crashes
- 65% of near-crashes
- 93% of rear-end-striking crashes



4 categories: secondary tasks, fatigue, driving-related inattention, non-specific eye glance

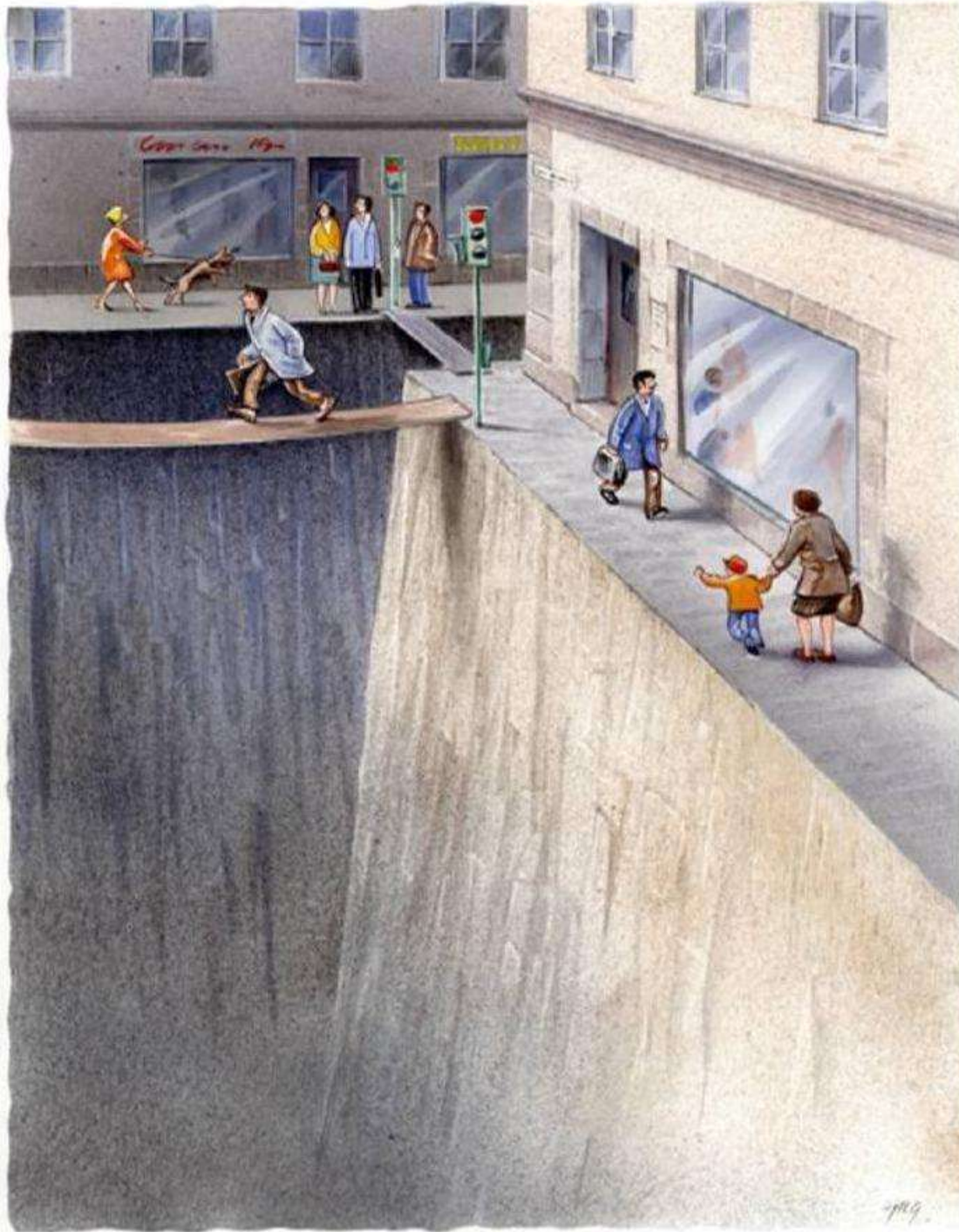


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Pedestrians also inattentive?





And as
pedestrians
we do not
fear speed as
much as
equivalent
heights...



Bad: give both “right of way itis”



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Several obvious cues to driver



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Or give noone “right of way itis”



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Two simple decisions vs one difficult



Cara Seiderman



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Angles: driver vision as well



Day and Night

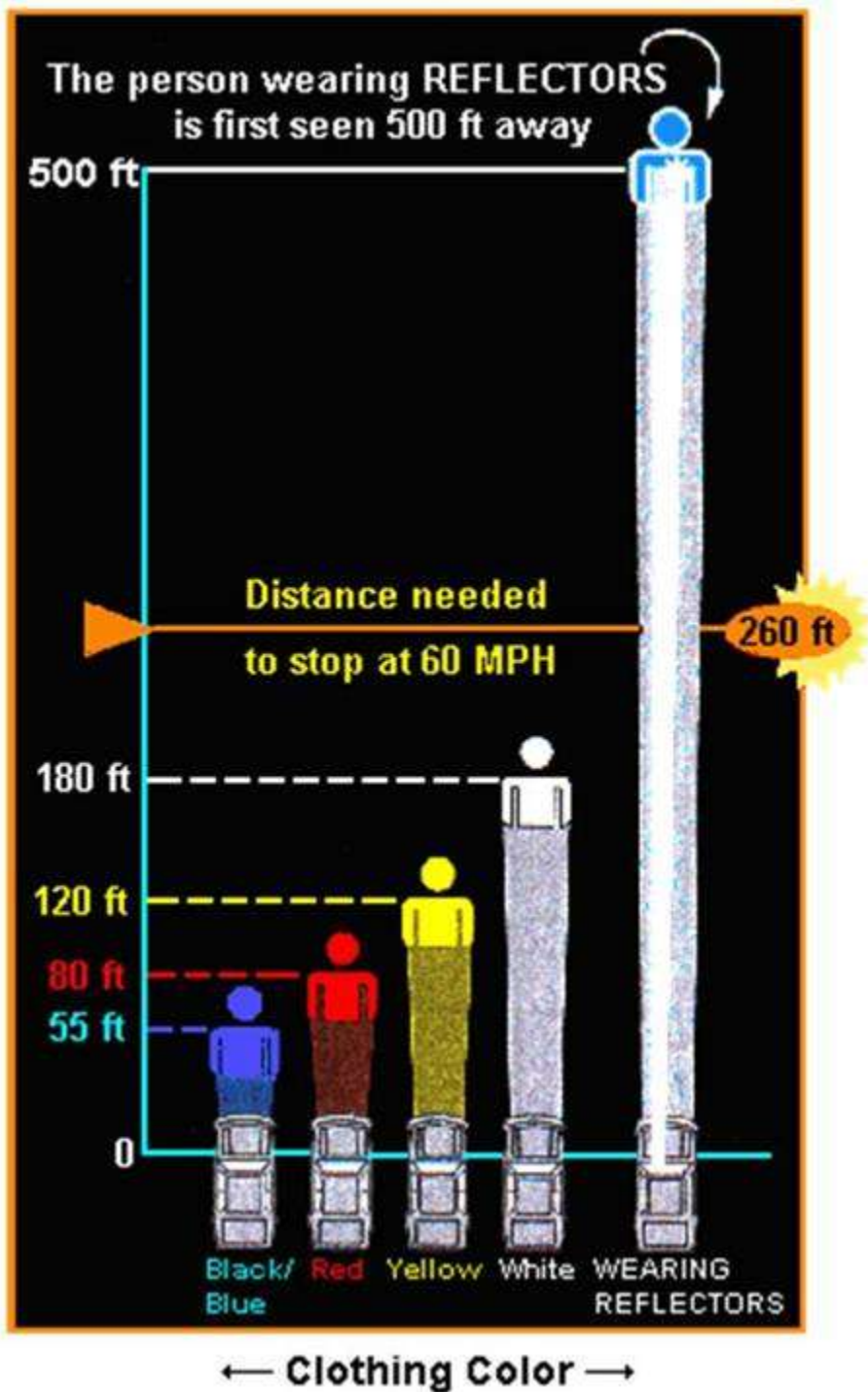


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← Distance at which driver FIRST SEE pedestrian →



Don't drink and ... walk



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Lighting



AA

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