INVISIBLE ROAD SIGNS: WHY TRUCK DRIVERS’ VISIBILITY MUST IMPROVE TO ENHANCE ROAD SAFETY

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THE RESEARCH

Question:
Do road signs still need a light source or is retro-reflection a welcome alternative for all signs?

Research
• Literature study
• Survey for road authorities
• Interviews suppliers & manufacturers
• Fieldwork
• Expert session
• Driving tests
• Test sites
• Laboratory tests
WHAT IS RETROREFLECTION?
Conclusions on this matter:

Lorrie drivers at night have more trouble seeing:

- Road- and traffic sings
- The windings of the road ahead in het dark

is not clear if this actually leads to related accidents but,

Drivers of heavy vehicles should be able to see signs well ahead!

Possible reason why lorry drivers use driving beam lights more often
NEXT STEPS

PROBLEM RECOGNITION

ADDITIONAL RESEARCH

FIND A SOLUTION
THIS IS A MATTER ON:

- International road authorities (Vehicle regulations & road safety)
- Manufactures of lorries (position of the lights)
- Manufactories on reflecting materials
- Suppliers of road signs
THANK YOU!