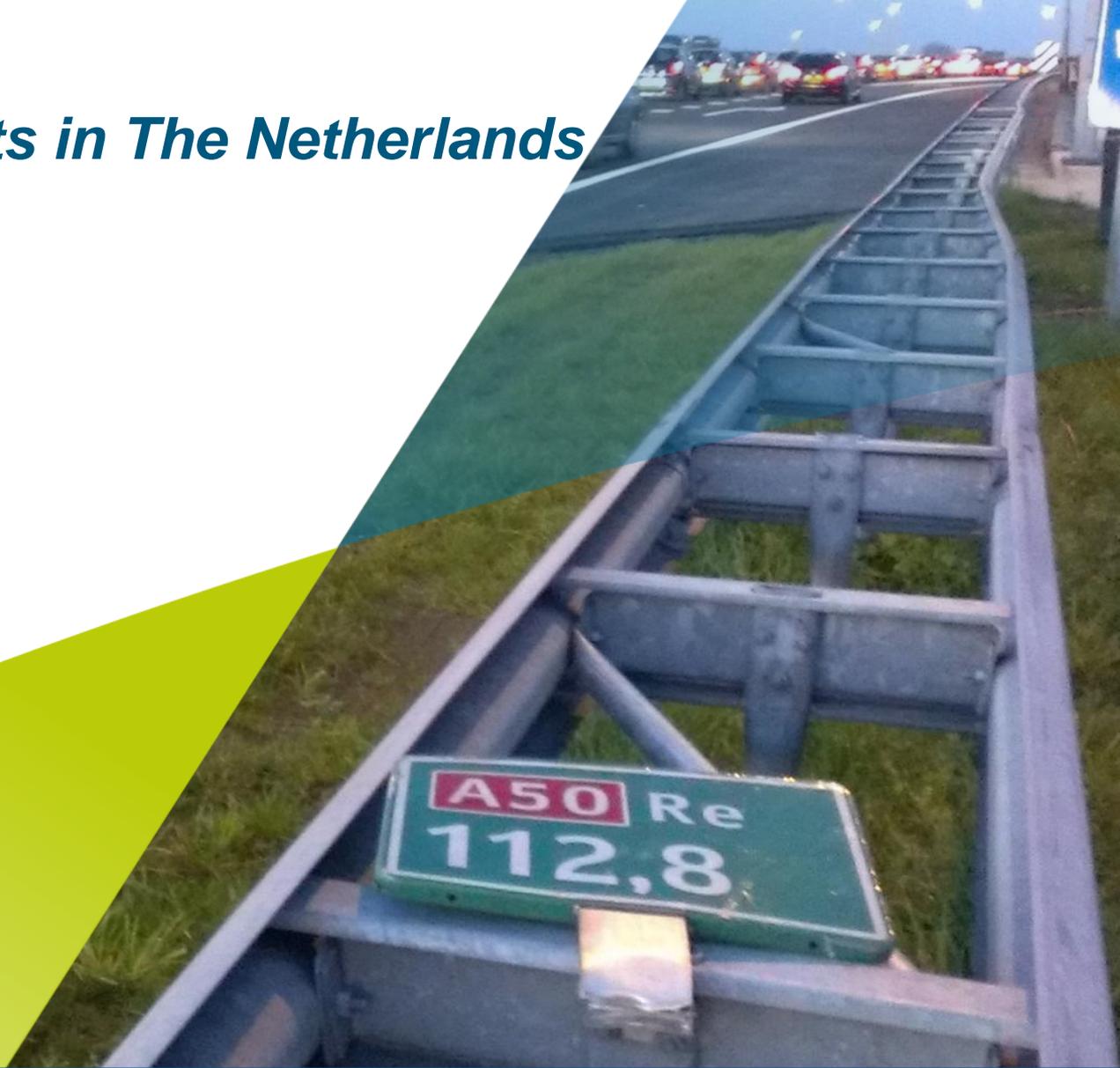


Road Safety Audits in The Netherlands

An overview

Betty van de Wetering
5 April 2016



European Directive: Four Stages

Stage 1 – Preliminary Design

Stage 2 – Detailed Design

Stage 3 – Pre-opening

Stage 4 – Operation



Audits performed by RHDHV auditors

Till March 2016:

- *RSA1: 53 audits*
- *RSA2: 76 audits*
- *RSA3: 55 audits*
- *RSA4: 25 audits*
- *Total over ten years:
209 RSA's*

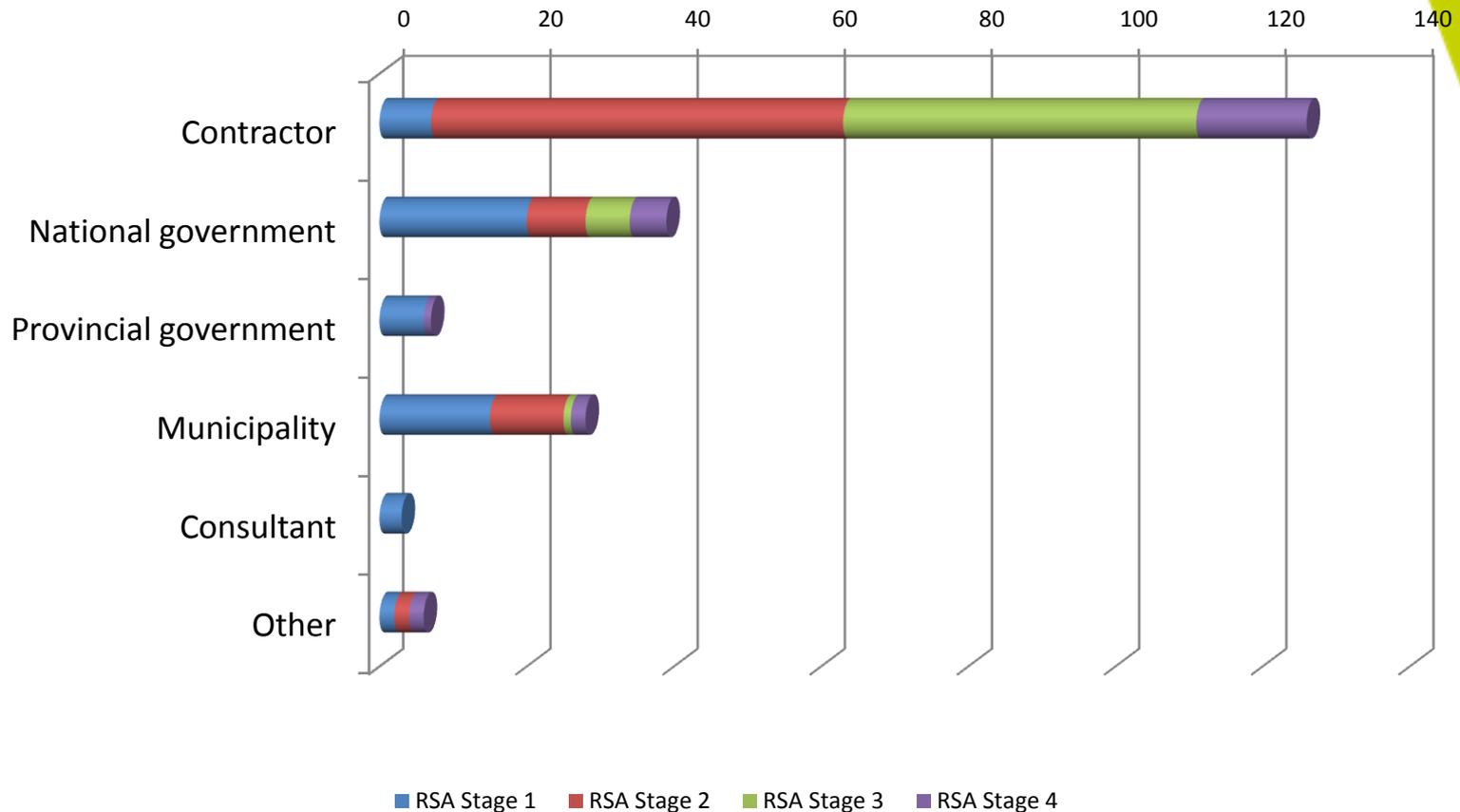




**Royal
HaskoningDHV**
Enhancing Society Together

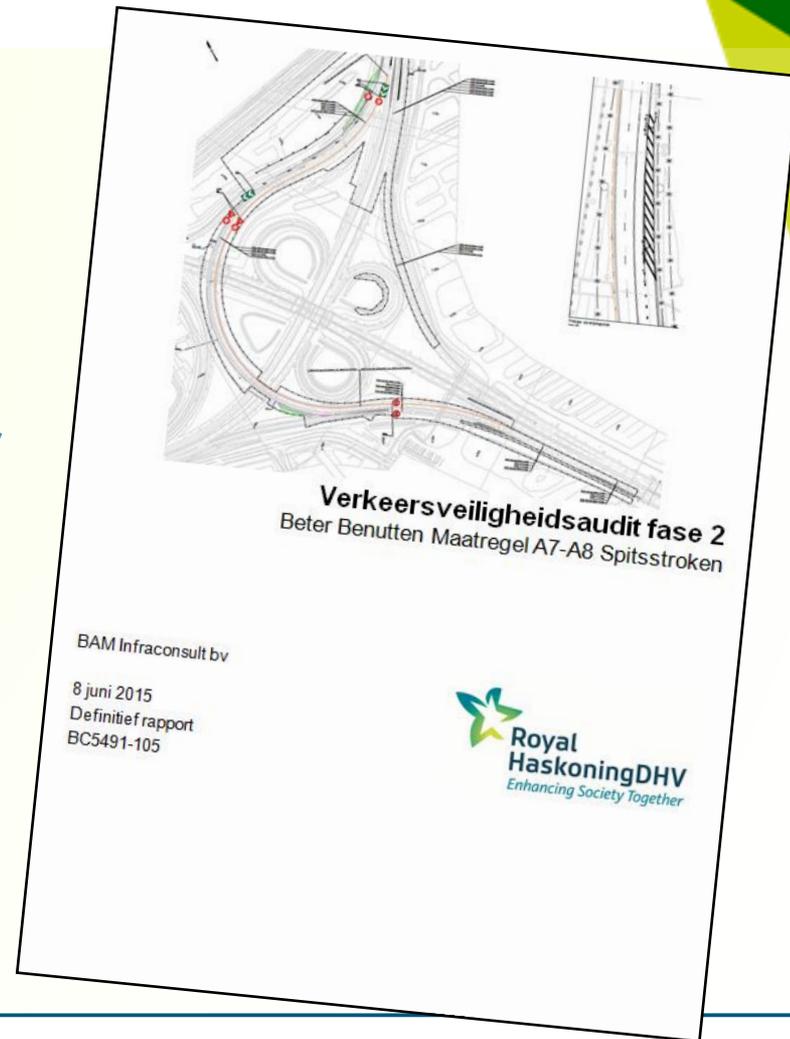
Road Safety Auditors' Clients

Type of Client (n=209)



Road Safety Auditors do:

- *Consider human factors*
- *Check on guidelines*
- *Assess anticipated behaviour*
- *Report identified problems*
- *Recommend solutions*



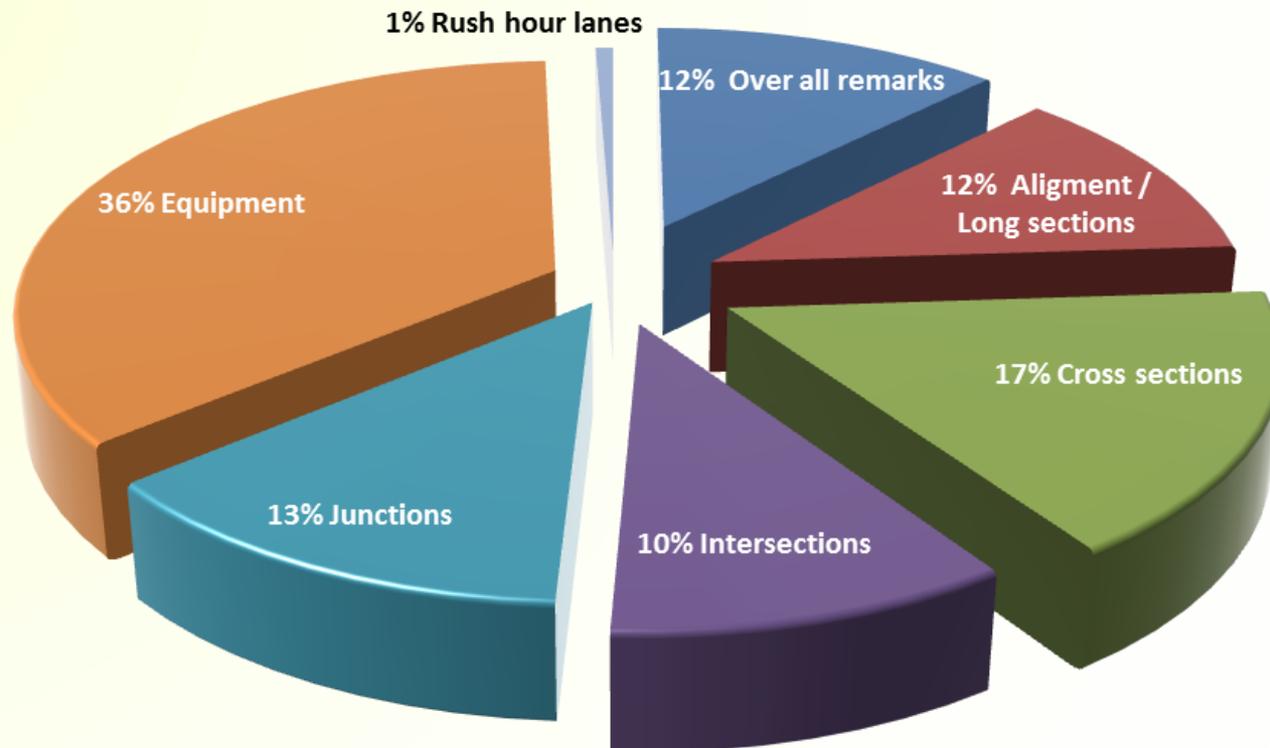
When is a road safe enough?

- *Road safety is difficult to measure*
- *Risk assessment*
- *Scenario's: "What if..." and "How serious is the consequence?"*



Auditor's findings

By subject (n=2623)











RSA 3



RSA 4



RSA-3



RSA-4



RSA-3



! A15 18+19
vanaf 13/10
situatie
gewijzigd



**verbindingsweg
dicht week
31 t/m 36
op ma t/m vr
tussen 21-05h**



**N15 ri.
Europoort dicht
van 3-6 t/m 5-6
tussen 21h-5h
van 5-6 tot 6-6
tussen 21h-5h
van 6-6 tot 7-6
tussen 21h-10h**



**verbindings-
weg
dicht
van 24-01 22h
t/m 25-01 5h
van 25-01 22h
t/m 26-01 5h**

RSA-3

Auditor's headaches

- *Relevant information is lacking (Stage 1)*
- *No Stage 1 Audit carried out (Stage 2)*
- *Equipment still on site (Stage 3)*
- *Unsolved issues from previous stages (Stage 4)*
- *Recommendations are ignored (all stages)*