



Curriculum Vitae

Dirk de Baan

Infrastructure, Transport NL
Leading Professional Traffic Safety and
Road Design; Road Safety Auditor

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Since joining Royal HaskoningDHV in 1997 I am an all-round traffic engineer and advisor on mobility issues, safe road design and traffic safety. I am certified Road Safety Auditor, qualified to execute Audits on all types of roads in the Netherlands, according to the EU-directive and I am also a lector of the course to certified Road Safety Auditors course in the Netherlands.

Leading Professional Traffic Safety & Road Design.

In the past years I have worked for national government, provinces, local government and private sector on lots of projects: traffic, certified Road Safety Audits, reconnaissance and planning studies, parking, traffic management and traffic engineering design.

Ask me to work in your project and use my knowledge of traffic and transport. Make my Day.

Nationality

Dutch

Employment Record

26 years

Years with firm **Royal HaskoningDHV**

18 years

Special skills

- Leading Professional Traffic Safety & Road Design
- Road Safety Auditor, road design, turbo-roundabouts, Sustainable Traffic Safety, Traffic Safety Analysis, Parking & Policy, Traffic Regulation techniques, Traffic Studies, Evaluation Studies, Traffic Design
- Teacher course traffic safety audit (yearly 2001-2015)

Experience Record

Some of my traffic safety projects

- **Speed Measures 50 - and 30-km/h roads.** For City of Amsterdam we made a compiled list of 'Amsterdam measures' that shall increase road safety. Package of measures applied to weigh on 3 pilot roads. 2013, municipal Amsterdam, project leader.
- **Evaluation FES measures at N57 and N59.** Weighing safety enhancing measures on the N57 + N59 (two road sections, three (turbo)roundabouts with variations analysis. 2012, Rijkswaterstaat/Ministry of Infrastructure and the Environment, traffic engineering.
- **Capacity Analysis and safety - Intersection Goes-South Municipality** wants a new connection to the A58 at unlocking Goes South. For this project, a capacity analysis and a road safety audit. 2012, Municipal Goes, project leader.
- **Evaluation 'Meer Veilig' / higher safety level.** In the "Meer Veilig" project, the measures build in period 2005-2011 evaluated including the cost-effectively. 2011, Rijkswaterstaat/Ministry of Infrastructure and the Environment, traffic engineering, project leader.
- **Evaluation '2 +1' roads'.** In the project "2 +1 roads" was checked which criteria can be used for purposes of single carriageway roads with varying overtaking lanes and where to apply in the Netherlands. Appointed 2011, Rijkswaterstaat/Ministry of Infrastructure and the Environment, traffic engineering, project leader.
- **Blocking intersections.** The project's aim was to get clear the extent of the problem of blocking intersections. This is done through a literature study of foreign experience and visual inspection at 8 intersections in the Netherlands. 2011, Rijkswaterstaat/Ministry of Infrastructure and the Environment, traffic engineering, project leader.
- **Traffic and road safety-key A58** A key on traffic flow and safety of a new shed between A58 and N62 in Goes. 2011, Rijkswaterstaat/Ministry of Infrastructure and the Environment, traffic engineering, project leader.
- **Traffic Plan municipality of Venlo.** In the context of the simultaneous development GVVP Venlo road safety plan (and parking plan) drafted. Municipality Venlo, sub-project leader traffic safety and parking.

Some of my other traffic-projects

- **Turbo roundabout De Boscchen (Oud Beijerland).** Province of South-Holland and municipal Oud-Beijerland see problems about capacity of these turbo roundabout. Traffic study and Aimsun-simulation. Project leader.
- **Traffic-related key intersection Kampveldweg (Delft).** The intersection Kampveldweg - Wateringsevest been redesigned. The key terms of traffic flow and traffic safety.
- **Amstelveen Metro line** Integral study of the conversion of the tramway into a full metro (south of Amsterdam – Amstelveen-Westwijk). 2010-2011 City of Amsterdam, sub-project leader traffic & transport.
- **Traffic engineering design 'De Nolle' (Brielle).** The developments around De Nolle (Brielle) are great: sports plants, a high school, 500 homes and a hotel. Study at a new roundabout and refurbishment of existing roads with traffic engineering design and consultation with the advisory board. 2010-2011, Municipality Brielle, project leader.
- **Redesign N476A Lekkerkerk.** Study at redevelopment of the provincial road N476 Lekkerkerk, NL., Province of South-Holland, project leader.
- **Bicycle Connection F346.01 Molenaarsgraaf – Nederhardinxveld.** Study and Preliminary Design for a recreational bicycle connection Molenaarsgraaf Nederhardinxveld in municipality Graafstroom.
- **Bicycle Connection F403.01 Zuidbuurtseweg (municipality Zoeterwoude).** Feasibility study for a segregated cycle track along the Zuidbuurtseweg with integration along open water. Municipality Zoeterwoude, project leader.
- **Feasibility study Cycle Connection Hartelburg (Spijkenisse) - A15.** Feasibility study at the possibilities to realize that the Hartelbridge can be 2 * 2 carriageway + a new cycle path. The current situation was 2 lanes + exchange strip + cycle path. Province of South-Holland, project manager.
- **Design and cost-calculation Randweg Waddinxveen.** The new western ring road in South-Holland near Waddinxveen. The surrounding area is developed into a recreational area. The question was: is it possible to realize this ring road within the budget of 75 million euro. The Province of South Holland, project manager.

Road Safety Audit access roads (stage)

- Thaliyastreet Jeddah, KSA (1, 1/2, 2)
- Haarlemmerplein – Nassaukade, Amsterdam (1)
- Junction De Boeelaan – Amstelveenseweg, Amsterdam (1)
- Safetyscan tramway De Boeelaan, Amsterdam (1)
- Three junctions Willemsparkweg, Amsterdam (4)
- Access road Parklaan on tunnel roof new A2, Maastricht (1)
- Junction Kampveldweg – Wateringsevest, Delft (1)
- Schoolarea J. van Reigerbergstraat, Middelburg (4)
- Roundabout Torenweg – Nieuwlandseweg, Middelburg (2,3)
- Junction Erasmuslaan - St. Annastraat, Nijmegen (2)
- Roundabout Heyendaalseweg - Erasmuslaan, Nijmegen (3)
- Public Transportation Road, Vleuten-De Meern (2,3)

Road Safety Audit on distributor roads (stage)

- A32, *Haak Leeuwarden Süd*, Volker InfraDesign (1,2,3,4)
- A44, Junction 7 Rijnsburg Flora Holland, Prov. SH (1)
- N31 De Centrale As Dokkum, projectbureau Centrale As (1)
- N201 Turboroundabout, Wijdemeren, SWOV (2,4)
- N261 Tilburg – Waalwijk, BAM Wegen (2)
- N513 Turboroundabout, Castricum. SWOV (2,4)
- N18 Varsseveld – Enschede, Oranjewoud (1)
- N57 Perceel Veere, Middelburg-Veere, RWS Zeeland (2)
- N61 Schoondijke – Hoek, RWS Zeeland (1,2,3,4)
- N62 Sloeweg, Provincie Zeeland (1)
- Randweg Haps (1)

Road Safety Audit on Motorways / Freeways (stage)

- A2 Passage Maastricht, Project A2 (1,2)
- A4 Delft – Schiedam, RWS Zuid-Holland (1)
- A6 Junction 10 Lelystad, BAM Wegen (2)
- A9 Badhoevedorp, Witteveen+Bos (1)
- A12 Veenendaal – Utrecht, BAM (2,4)
- A13-A16, Arcadis (1)
- A15 Vaanplein – Europoort, A-Lanes-A15 (2,3,4)
- A15/A38 Ridderster, RWS Z-Holland (1,2,3)
- A50 Eewijk – Valburg, RWS, Bouwdienst (1,2)
- A50 Ewellbridge, Rasenberg Wegenbouw (2,3)
- A58 Shed Driewegen – Heinkenszand, RWS Zeeland (1)
- A58 Junction Goes-South, RWS Zeeland / gem. Goes (1,2)
- A73/A74 Intersection A73 Venlo at BAB61 / A74, RWS Limburg (1,2,3,4).
- A73 Koninginnelaan Roermond, RWS Limburg (1,2,3,4)
- A76/A79, Intersection Kunderberg, RWS Limburg (2,3,4)

- Junction of King Abdul Aziz Square / King Abdullah Road, Jeddah, KSA (1, 1/2)
- Thaliya Intersections Jeddah, KSA (1,1/2, 2)

Full list of road safety audits by audit phase separately available in Dutch (over 150 road safety audit carried out).

CROW-guidelines (project leader and author directives)

- 2013-2014, Directive *Basics Crossings and Roundabouts*
- 2013-2014, Guideline *Framworks Signage*
- 2013, Directive *Basics Rural Roads*
- 2012, Directive *Signage* (publication 322)
- 2012, Guidance *Long and heavy trucks on rural roads 2013* (publ. 320)
- 2011-2012, Directive *Basics Road Design* (publication 315)
- 2007-2008, Directive *Turboroundabouts* (publication 257)
- 2003-2004, *Best Practices Rural Roads* (on website)
- 2003, *Priority and Give Way of Right at all vehicles* (including bikes) (Information desk Sustainable Safety)
- 2003, Guidance *Sustainable Safe Industrial zones* publ.192
- 1997-2005, Helpdesk Sustainable Safety (helpdesk employee).

Previous employers**DTV Consultants**

> 1989-1997, traffic engineer

Professional Education

- 1983 Polytechnic Vocational College, Civil Engineering
- 1985 Polytechnic Vocational College, Building Constructions
- 1989 Institute NHTV (Tourism an Traffic), Engineer in Traffic Control and Safety

Professional Training

- 1991 Road Safety, DTV Consultants/Breda
- 1993 Traffic and Environment, PAO/Delft
- 1997 Training Advisor, Haskoning
- 2001 Process Management, PAO/Delft
- 2001 Road Safety Auditor (basic), DTV Consultants
- 2005 Personal efficiency, Royal Haskoning
- 2010 Projectmanagement, Royal Haskoning
- 2012 Road Safety Auditor (highways), Rijkswaterstaat / SWOV / DTV Consultants
- 2013 College RSA-members Netherlands