



1

5 design principles for bicycle infrastructure

- Cohesion

2

5 design principles for bicycle infrastructure

- Cohesion
- Directness



3

3

5 design principles for bicycle infrastructure

- Cohesion
- Directness
- Safety



4

4

5 design principles for bicycle infrastructure

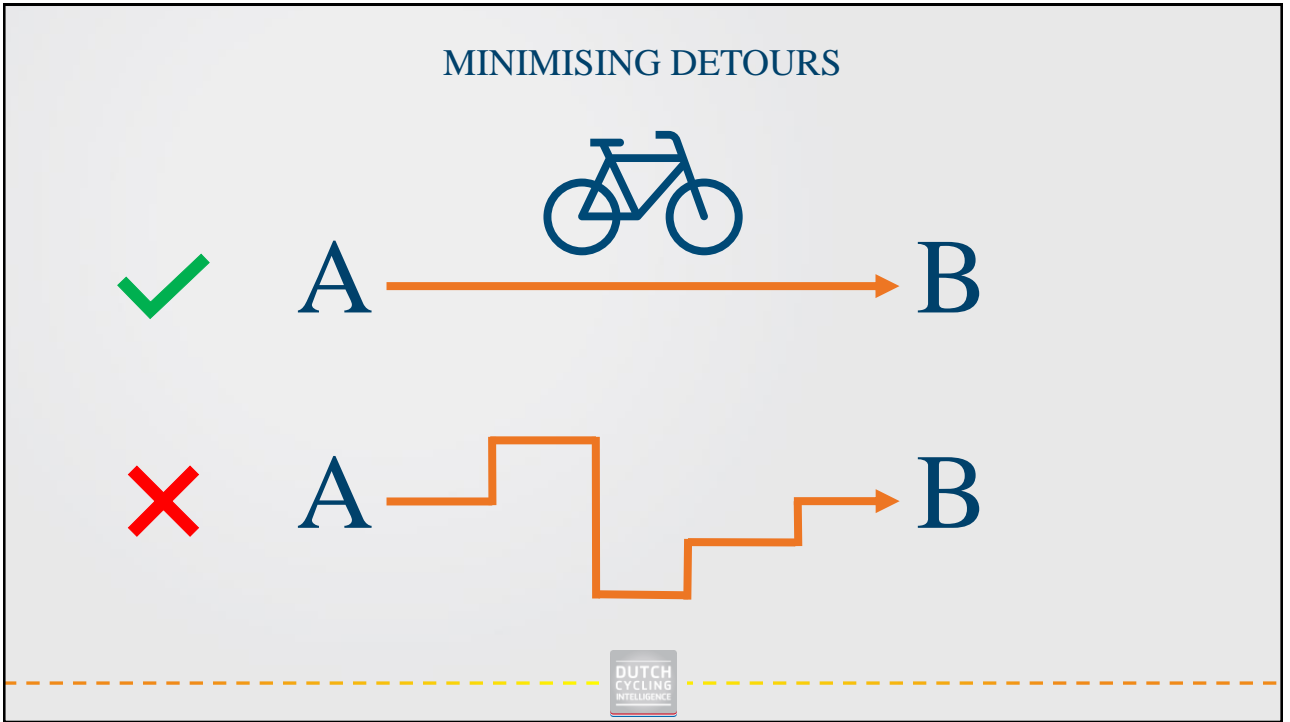
- Cohesion
- Directness
- Safety
- Comfort

5

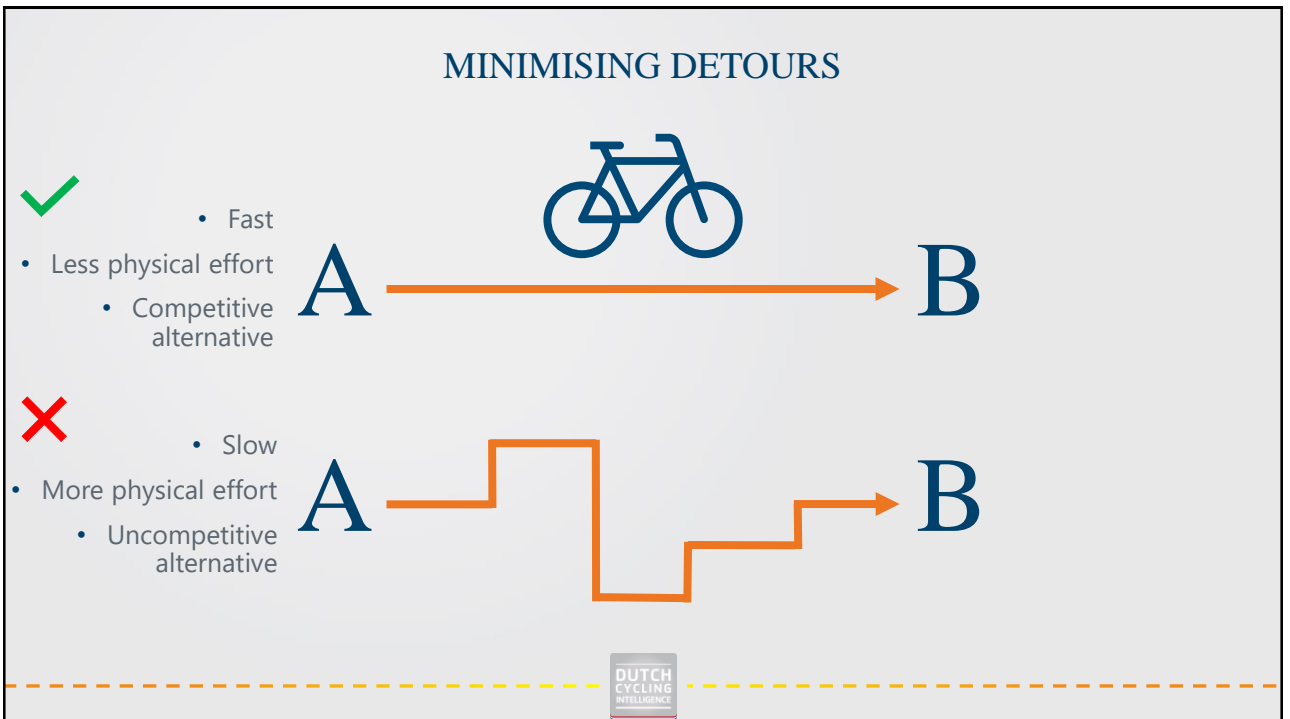
5 design principles for bicycle infrastructure

- Cohesion
- Directness
- Safety
- Comfort
- Attractiveness

6



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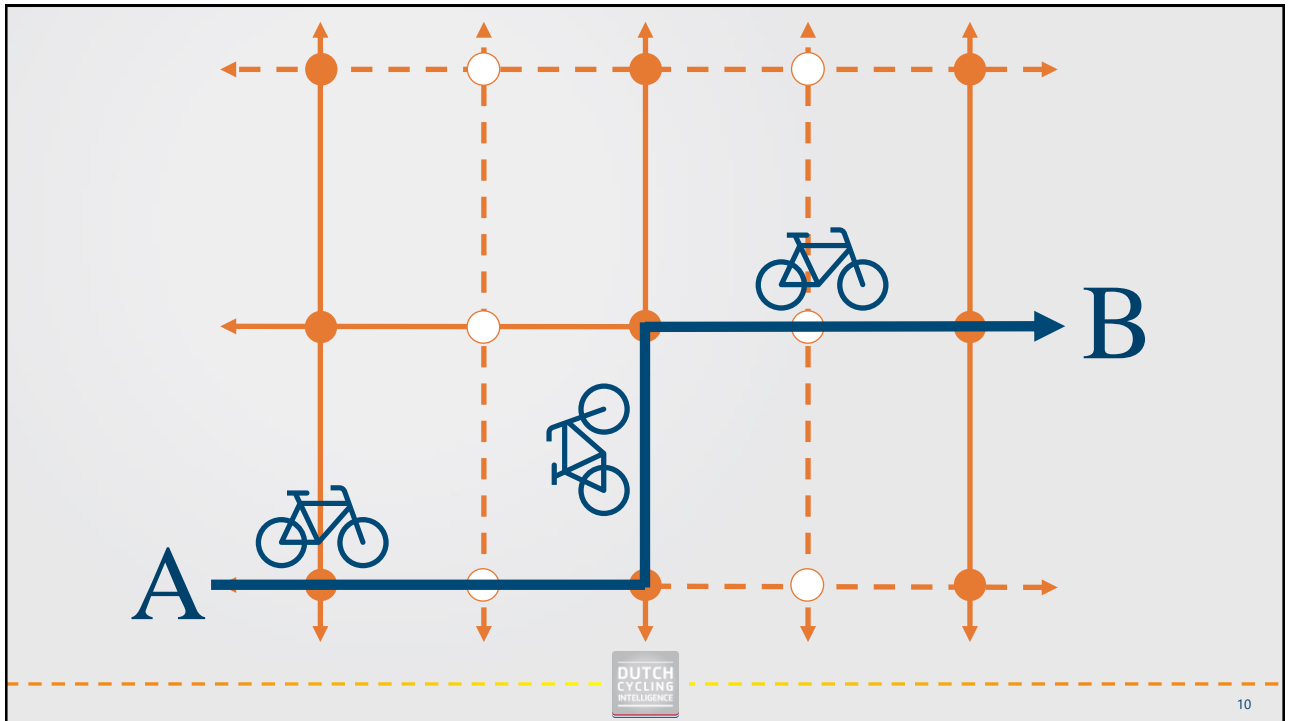
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“ DIRECTNESS:

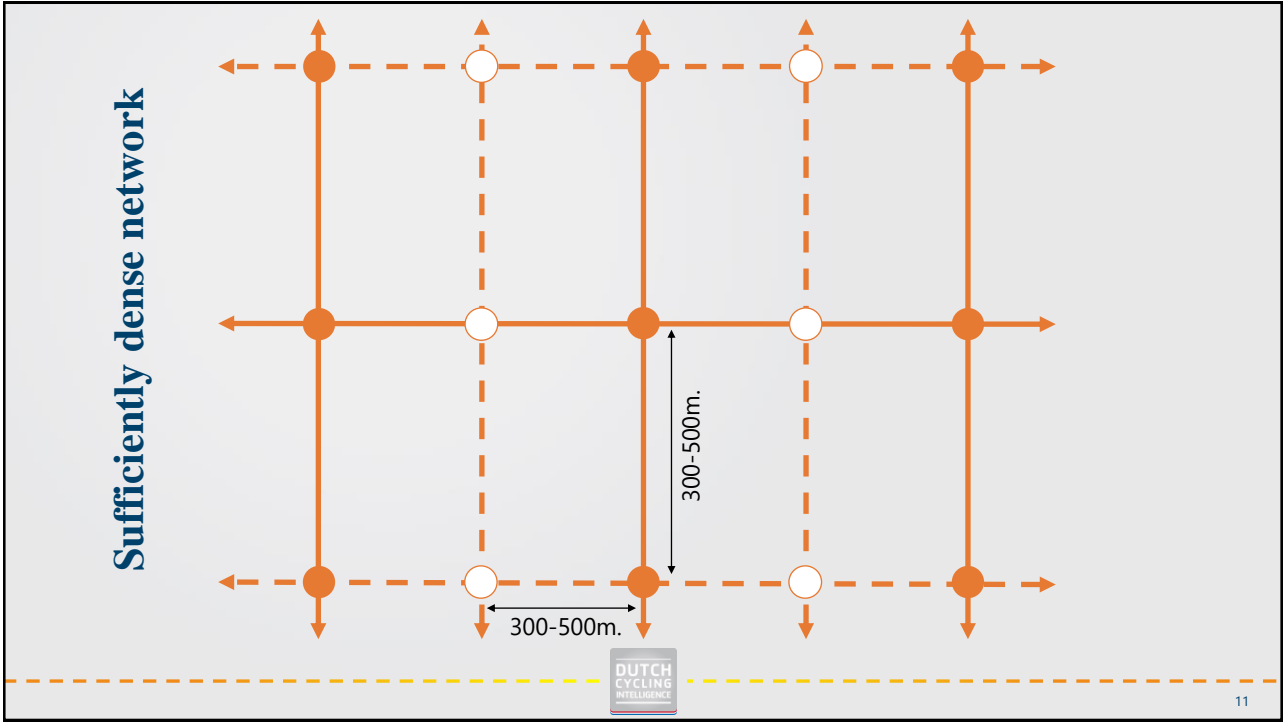
Short & Fast



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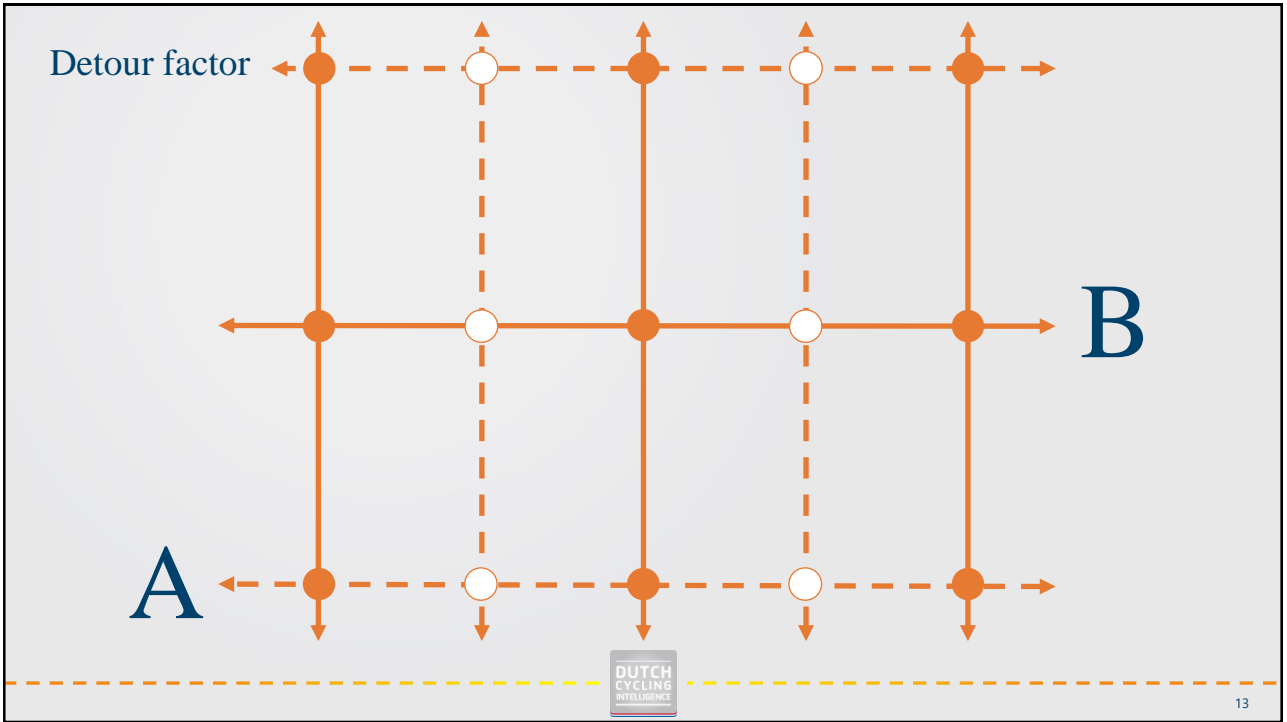


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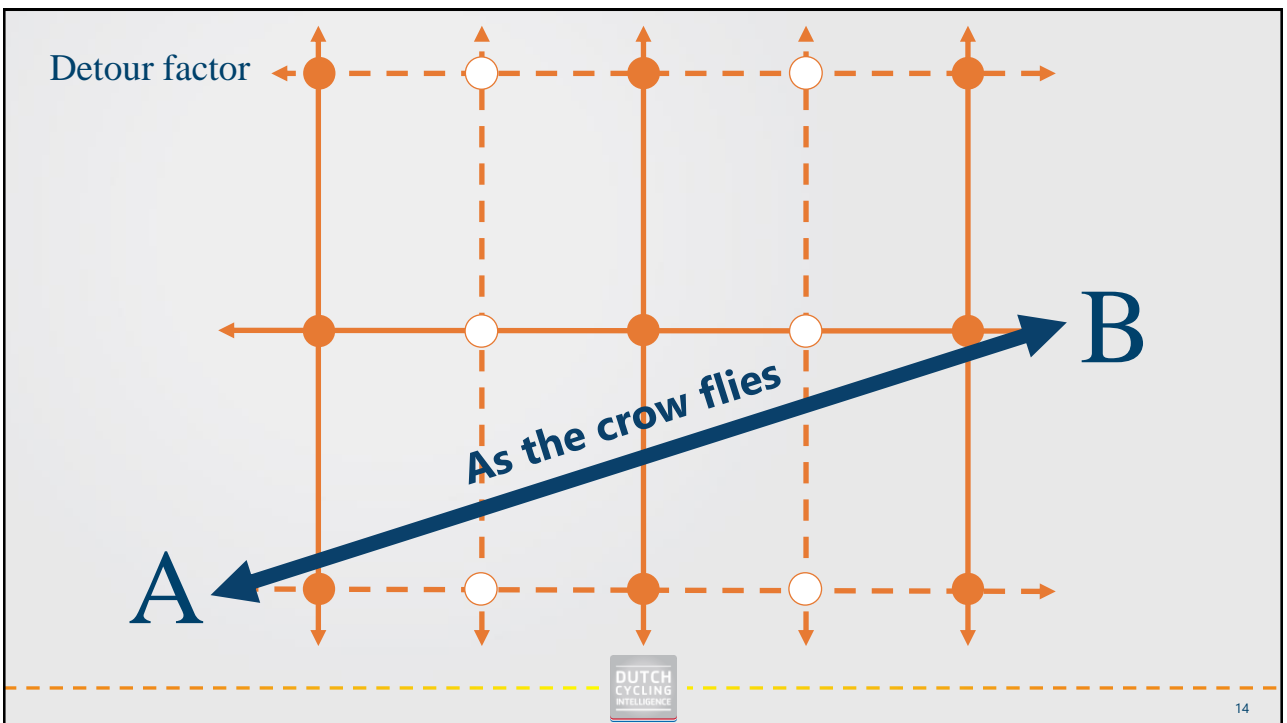
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DETOUR FACTOR

DUTCH CYCLING INTELLIGENCE

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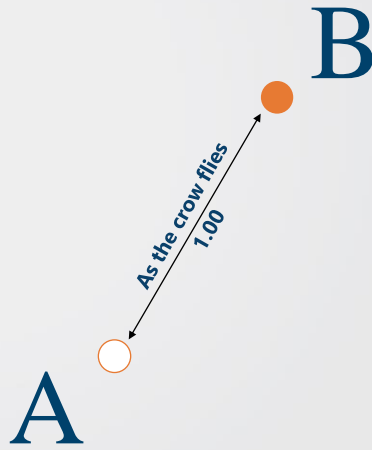


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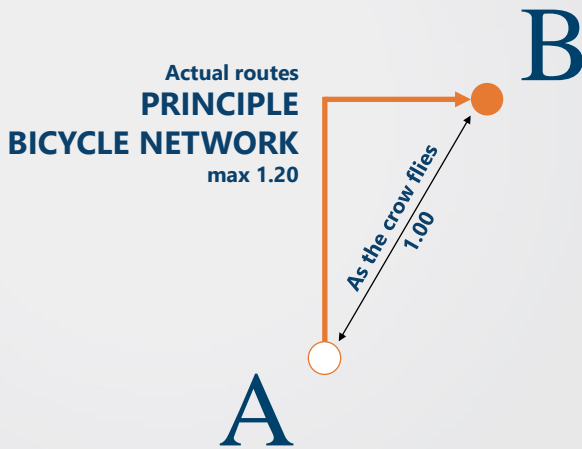
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Detour factor



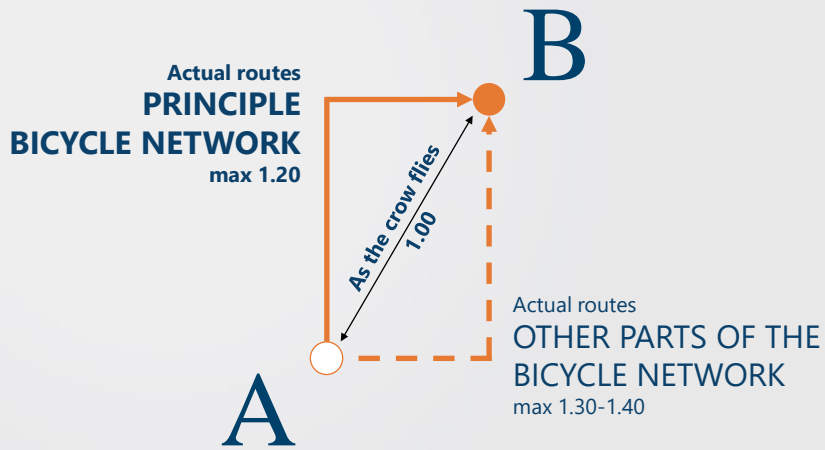
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Detour factor



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Detour factor



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“
REDUCING
JOURNEY TIME

18

One-way streets accessible for cyclists



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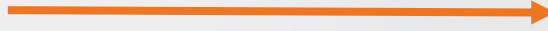
Exclusive access for cyclists and pedestrians



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REDUCE BENDS



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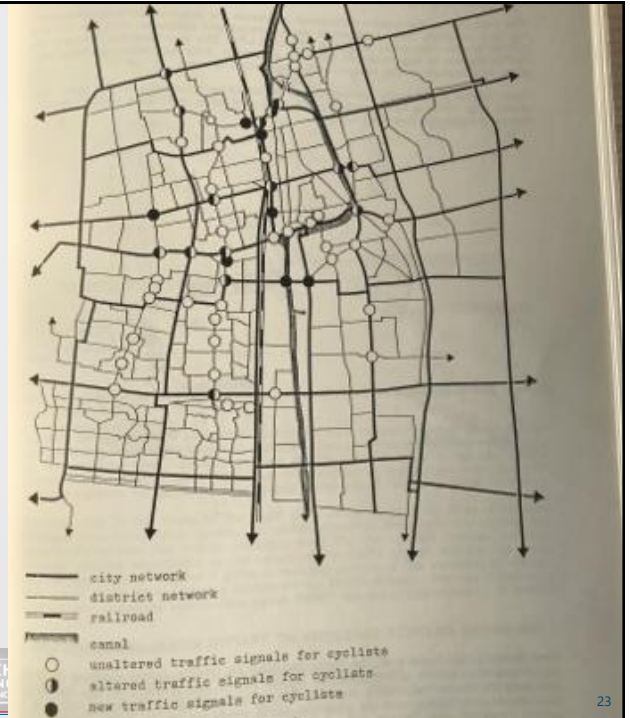
Right of way



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Priority at traffic lights

- Network plan City of Delft (early 1980's)



DUTCH
CYCLING
INTELLIGENCE

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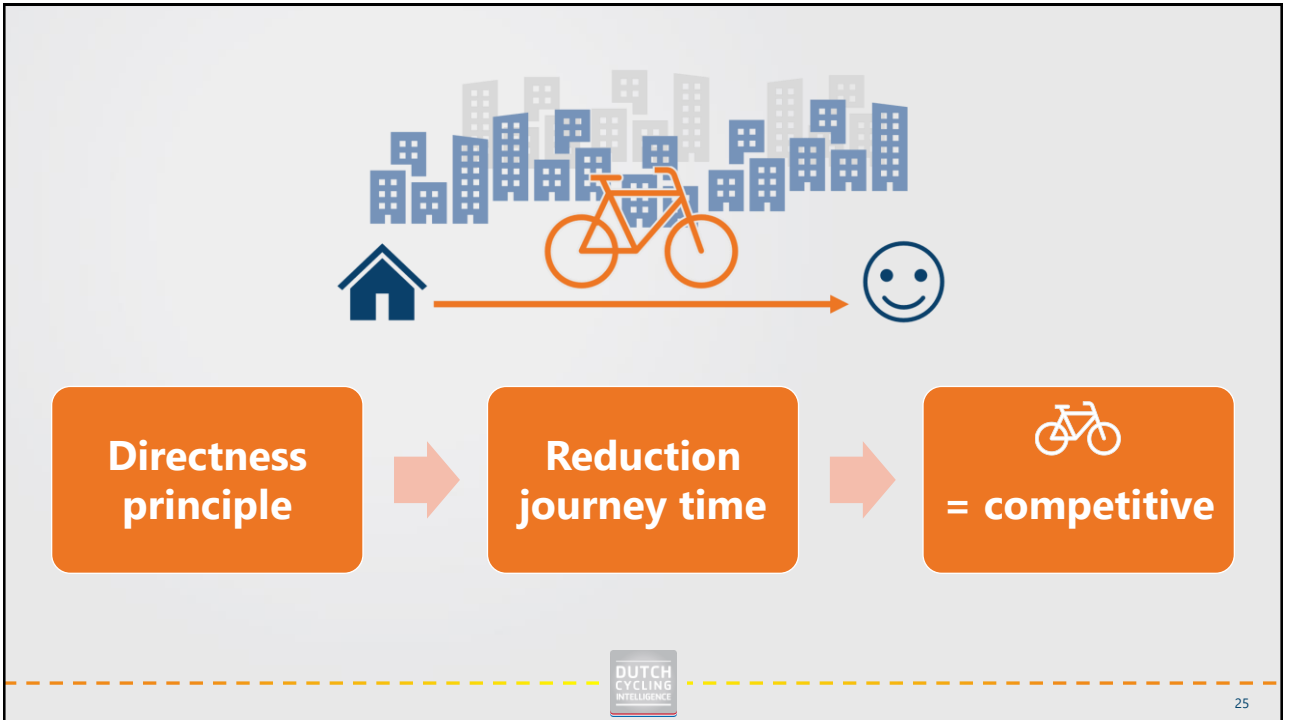
23

Priority at traffic lights



DUTCH
CYCLING
INTELLIGENCE

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Credits & References

- Teije Gorris: slides 6-7, 9-10, 12-16, 18, 20, 24
- Chris Bruntlett: slide 18
- Quinton Roland: slides 21, 23
- Slide 22 is taken from the Velo-City 1987 proceedings

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IN ASSOCIATION WITH

Dutch Cycling Embassy
Ministry of Infrastructure and Water Management



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DUTCH CYCLING EMBASSY **DUTCH CYCLING INTELLIGENCE**

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More than 25 years of experience in providing trainings in cycling infrastructure, traffic engineering and mobility planning

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