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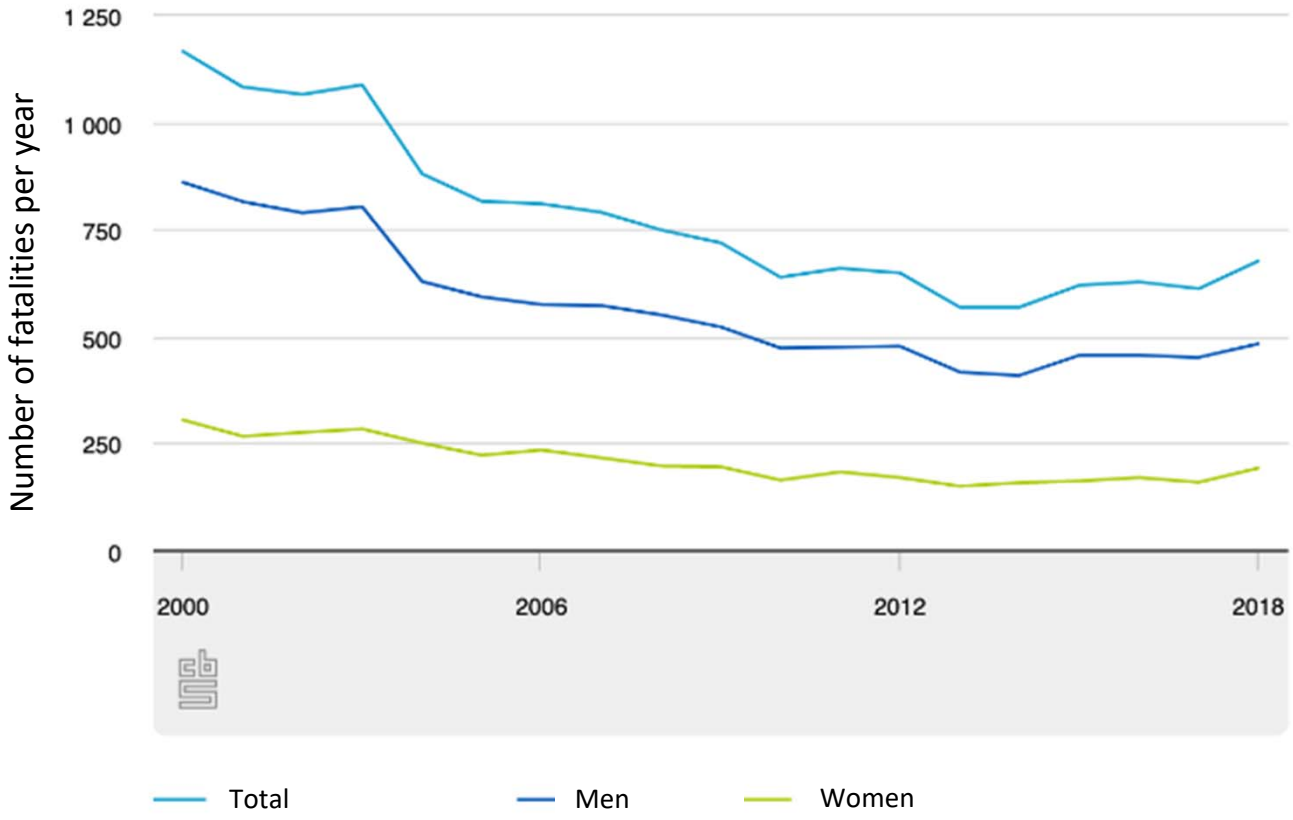
PLAN • DESIGN • LEARN

TRENDS IN DUTCH URBAN MOBILITY

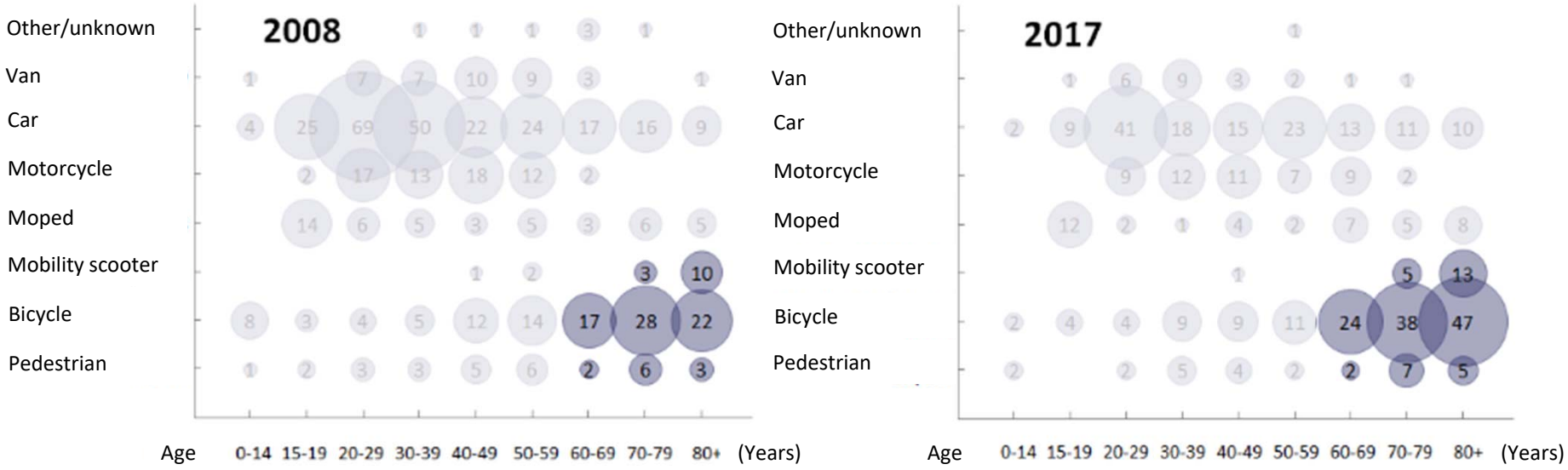
Continuing innovation in infrastructure design

THE BAD NEWS


Number of fatalities per year
1 250
1 000
750
500
250
0
2000
2006
2012
2018
Total
Men
Women

THE BAD NEWS

WUDIIIF#LDWDOWLHV#P HQ,

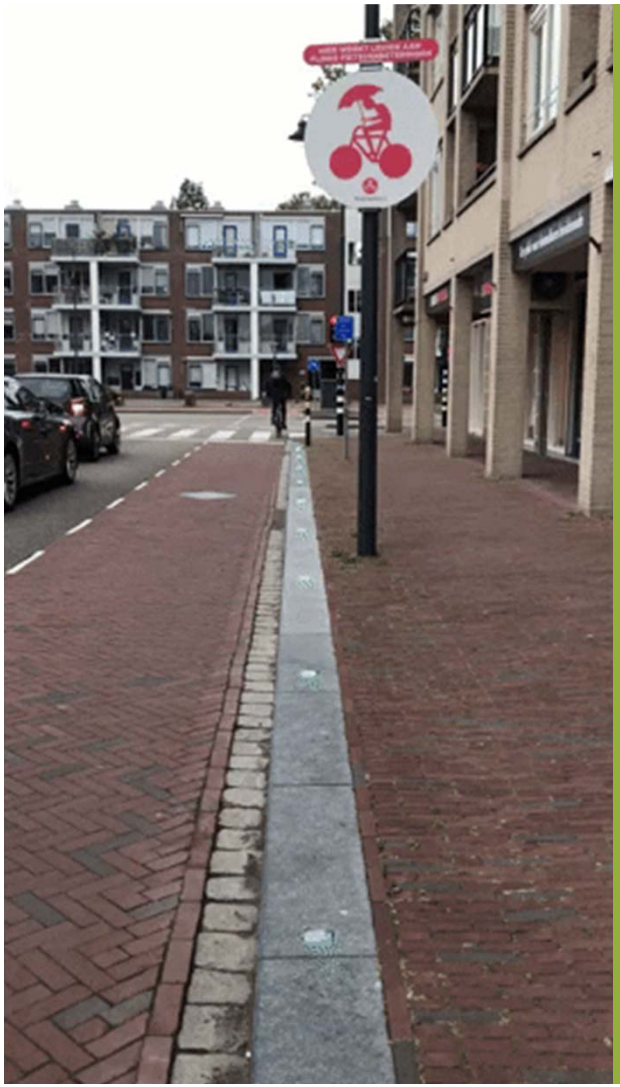


LIMITATIONS TO THE EXISTING WAY OF THINKING

LIMITATIONS TO THE EXISTING WAY OF THINKING

30 YEARS LATER

- Hard infrastructure is not flexible
- Current struggles:
  - Accommodating growth in bicycle traffic
  - Accommodating new in-between modes
  - Urban logistics
  - Parking(!)
  - Single-sided crashes



- Tech developments
- Apps and connectivity
- Changing regulation and policy
- Electrification of mobility
- New forms of (micro) mobility

TECH DEVELOPMENTS

APPS AND CONNECTIVITY

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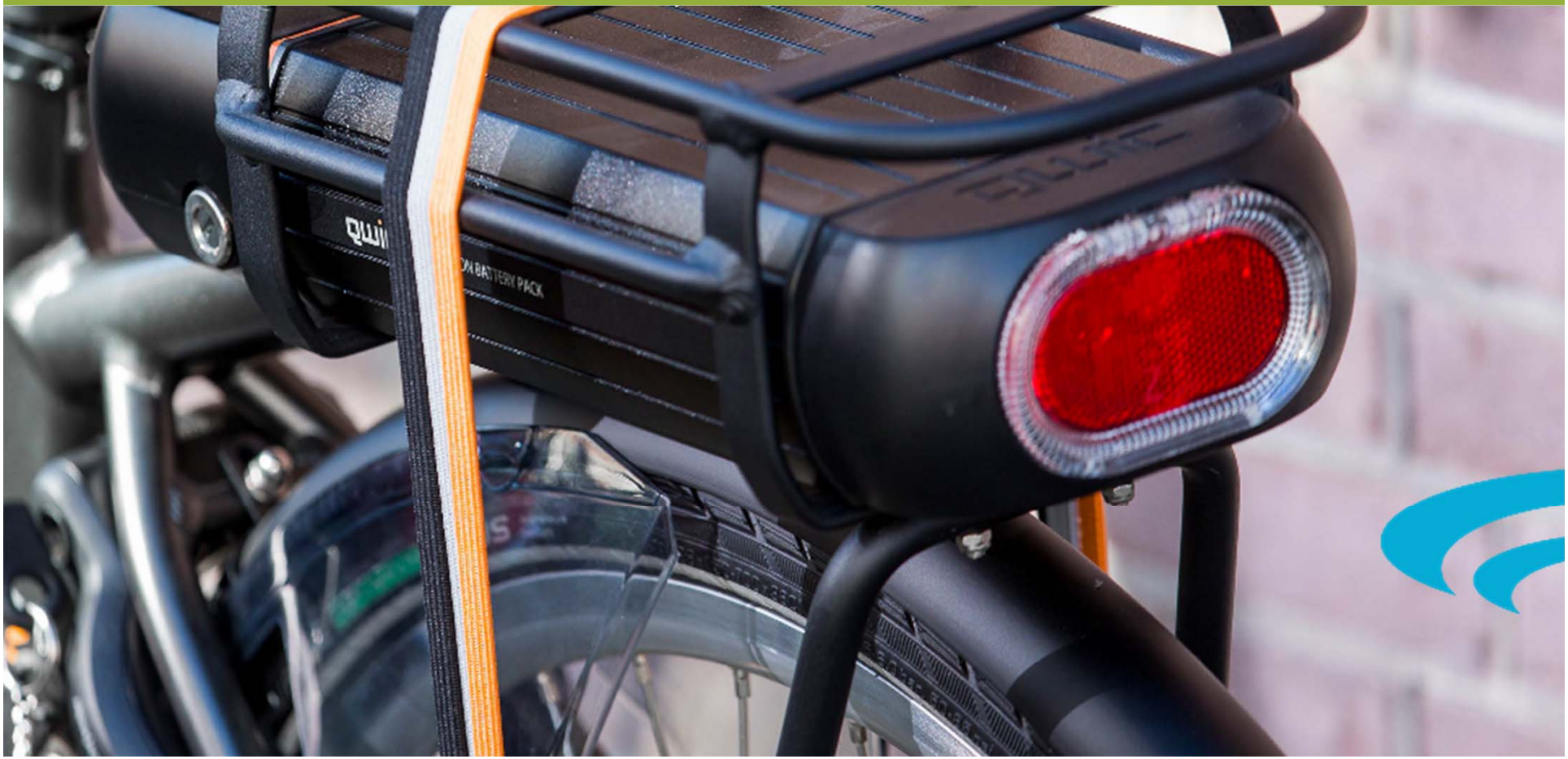
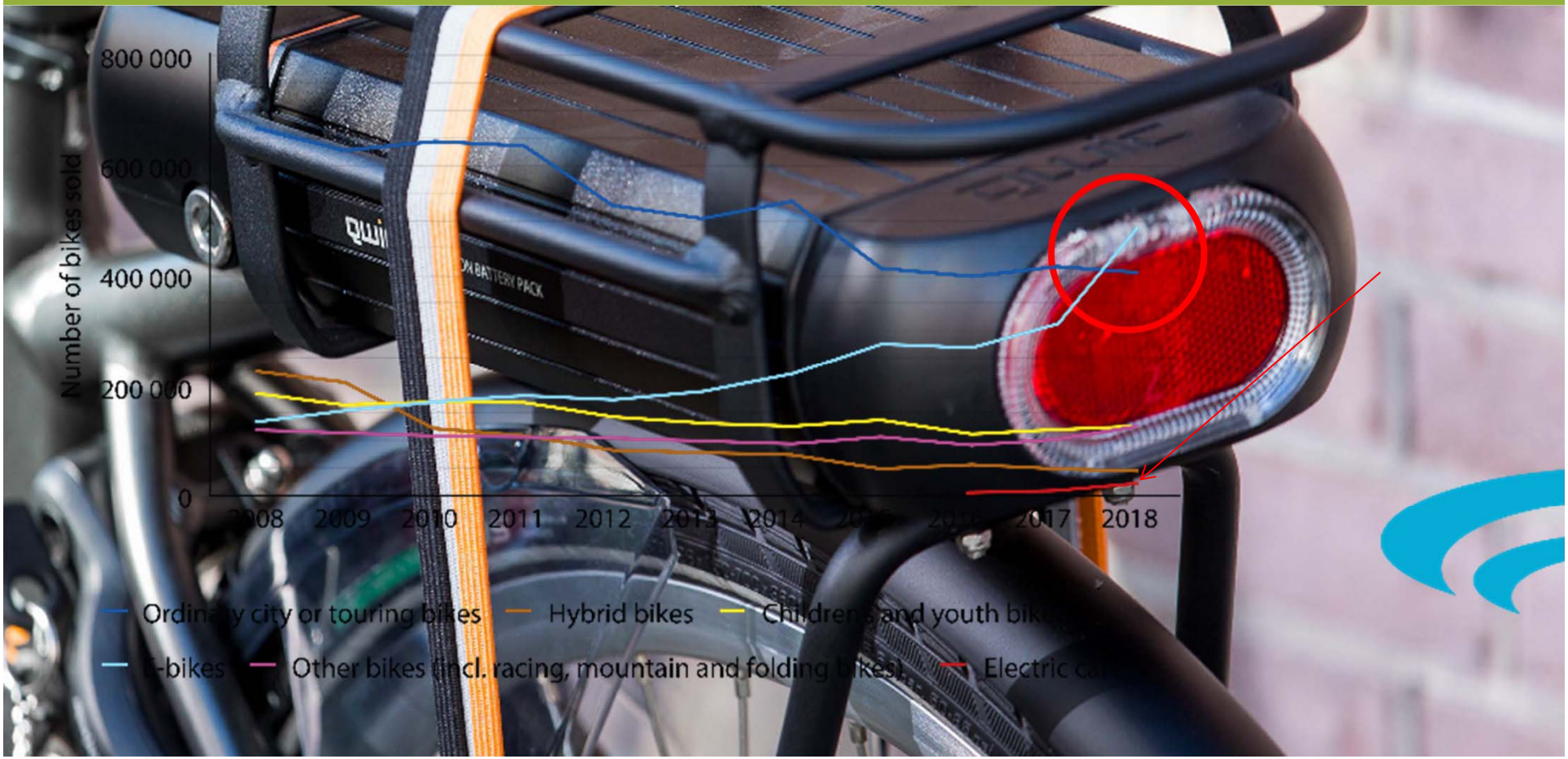
CHANGING REGULATION AND POLICY

ELECTRIFICATION OF MOBILITY



ELECTRIFICATION OF MOBILITY



RESPONDING TO INCREASING DEMAND FOR SPACE

MAKING ROOM FOR MORE BIKES

2006 EDITION

fietsberaad CROW

Uni-directional cycle track		Bi-directional cycle track	
Peak hour intensity One direction (cyclists per hour)	Width (m)	Peak hour intensity Both directions (cyclists per hour)	Width (m)
0-150	2.0	0-50	2.5
75-375	3.0	50-150	3.0
>375	4.0	>100	4.0

MAKING ROOM FOR MORE BIKES

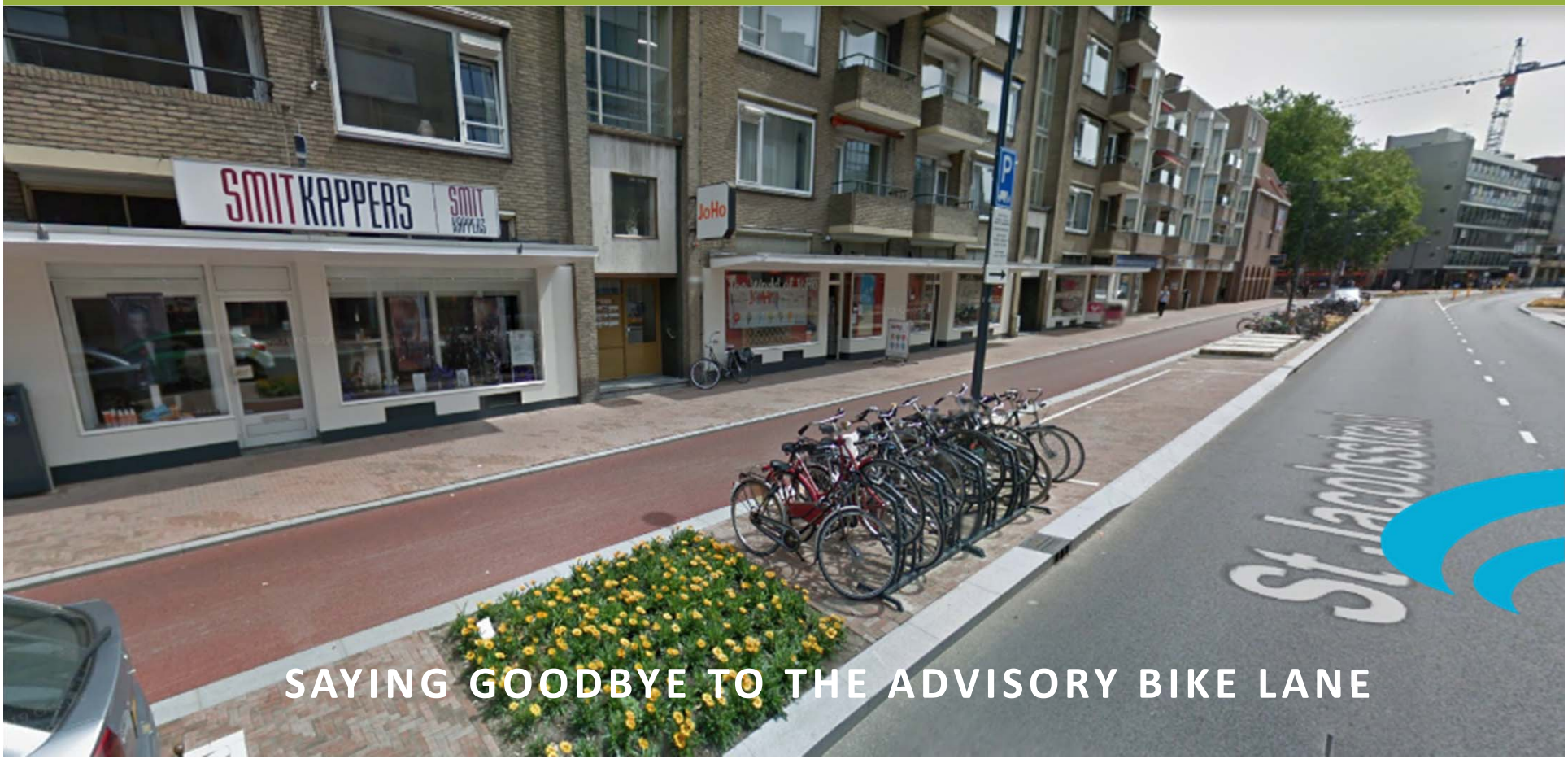
2016 EDITION

fietsberaad CROW

Uni-directional cycle track		Bi-directional cycle track	
Peak hour intensity One direction (cyclists per hour)	Width (m)	Peak hour intensity Both directions (cyclists per hour)	Width (m)
0-150	2.0	0-50	2.5
75-375	3.0	50-150	3.0
>375	4.0	150-300	4.0
		>300	5.0

MAKING ROOM FOR MORE BIKES

MAKING ROOM FOR MORE BIKES



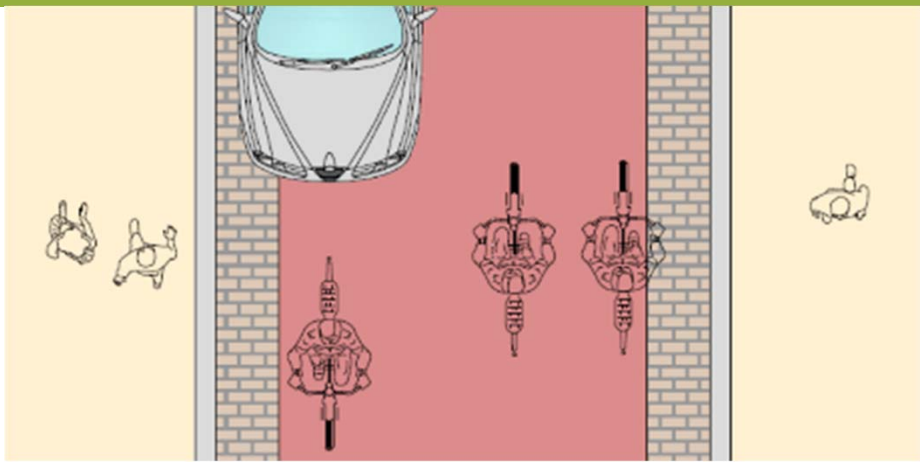
SAYING GOODBYE TO THE ADVISORY BIKE LANE

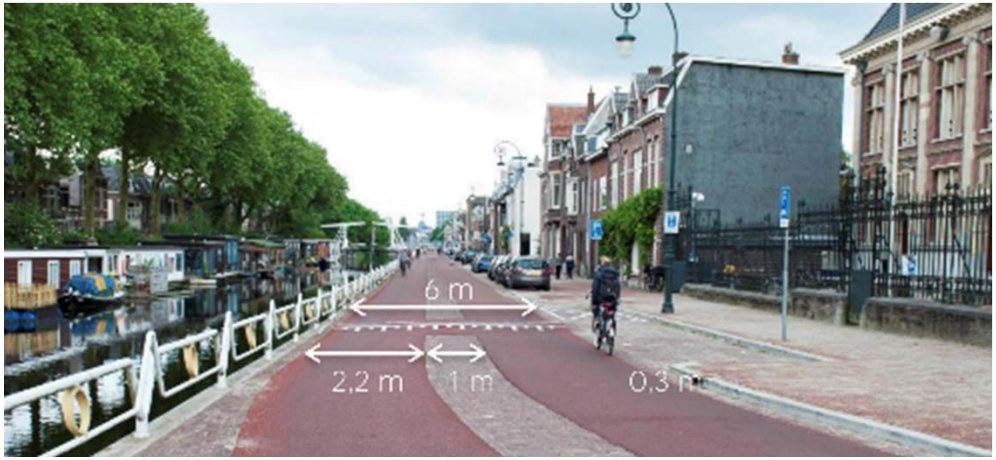
MAKING ROOM FOR MORE BIKES

NEW IDEAS FOR SHARED STREETS

BICYCLE STREETS

BICYCLE STREETS





BICYCLE STREETS

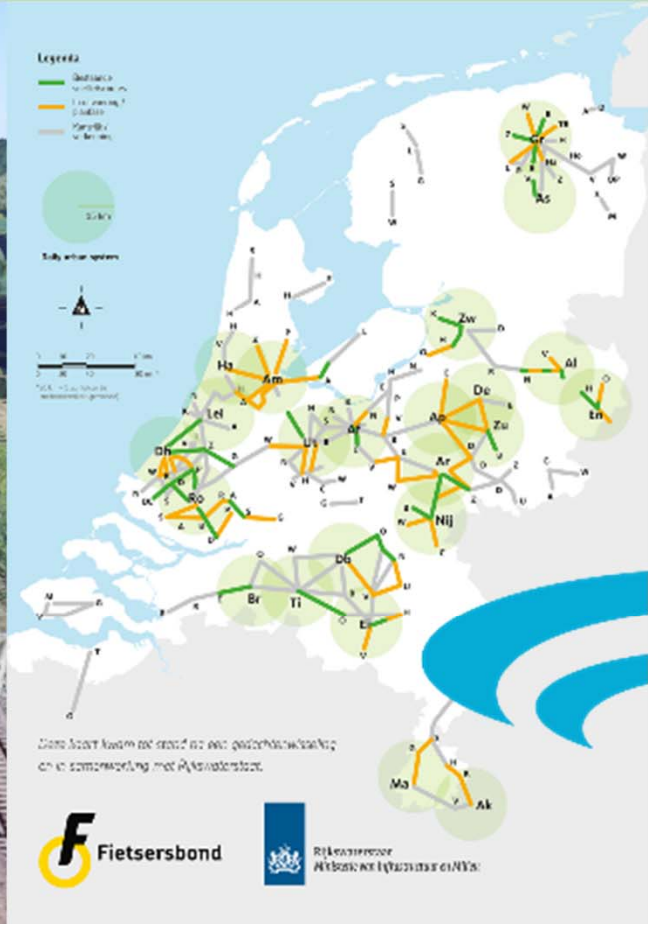
Assessment

★★★★☆

Traffic volume: 15,000 bikes per day, 1,600 cars per day

Lane width:	🟢	Spacious, suitable for cycling side-by-side + car
Lane layout:	🟡	Driving runners too wide, no lane
Overtaking	🟢	Central lane easily run over
Low speeds:	🟢	Convex center lane, speed humps
Traffic circulation	🟡	District access road
Intersections	🟢	
Parking	🟢	
Signage	🟢	
Vertical elements	🟢	Nice trees
Pedestrians	🟢	

CYCLE SUPERHIGHWAYS



IT IS ALL…

ABOUT…

PRIORITIES.

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Thank you!

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