



Stadt Zürich  
Tiefbauamt

# How to bring together urban design and traffic planning

Impacts conference  
Zürich, 15.10.2021  
Rupert Wimmer

We build to design  
mobility and spaces for people



# New bicycle strategy

## bicycle route network



DURCHGEHENDES, SICHERES  
UND SICHTBARES NETZ

§ 1.1

Vorzugsroute als  
neues Netzelement  
einführen

§ 1.2

Knoten sicher und  
attraktiv gestalten

## bicycle culture



POSITIVE  
VELOKULTUR

§ 2.1

Gegenseitige Rück-  
sichtnahme fördern

§ 2.2

Geschwindigkeiten  
stadtverträglich ge-  
stalten

## integrated planning



INTEGRALE  
PLANUNG

§ 3.1

Integral und lösungs-  
orientiert planen

§ 3.2

Aktiv und positiv  
kommunizieren

# Engineering approach

1. Safety
2. Function
3. Design





# Engineering approach

before



after

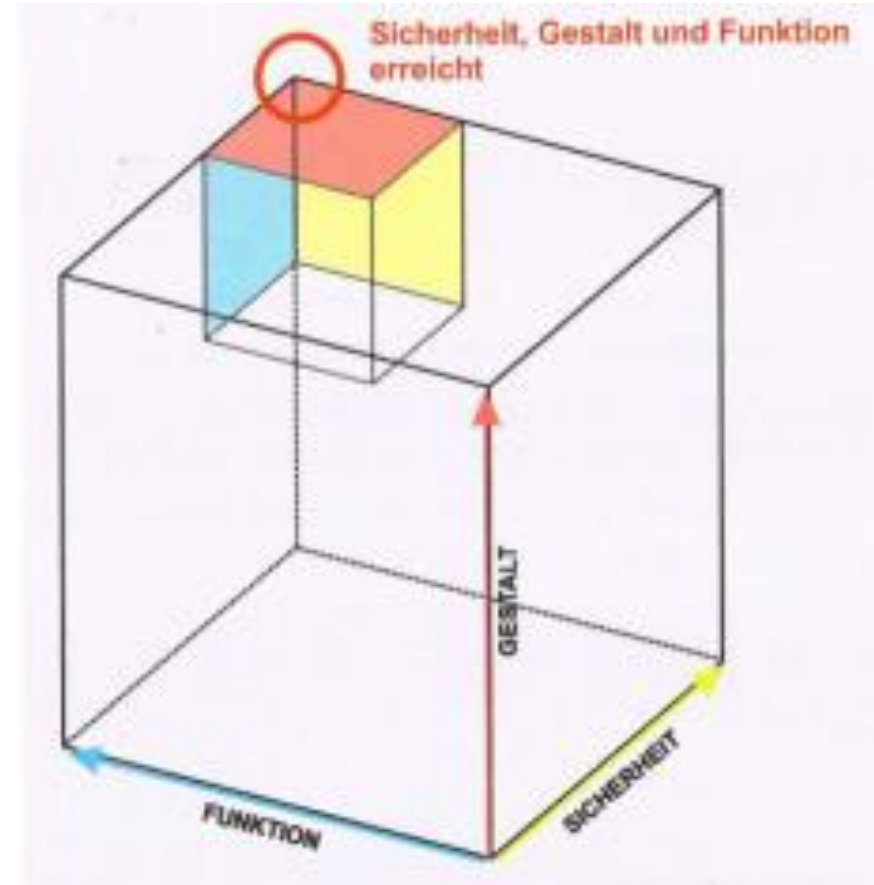


# Is design a «nice to have» ?



# Design of urban streets

Street design is an integrated process that brings together the needs of urban design, functional demands and safety aspects. Legitimate demands must be taken into account and fulfilled.



Q: H. Heinz

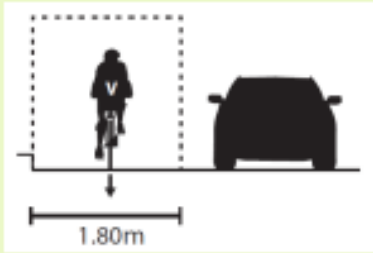
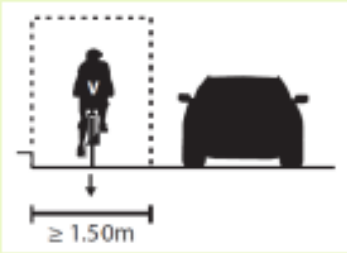
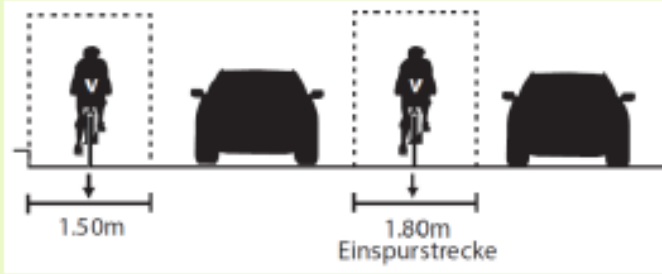
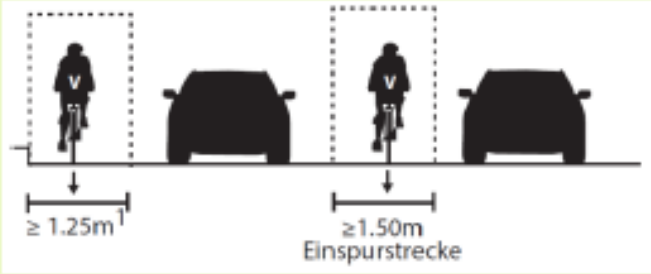


# Aspects of design

- the human scale
- good proportions
- good orientation
- green / trees
- durable



# Standards and controlling

S01 Radstreifen		
Routentypen	Qualitätsstufe A	Qualitätsstufe B
Komfortrouten		
Hauptrouten, Nebenrouten		



# Different safety approaches

## Approach 1: avoid conflicts

- regulations
- separation of means of transport
- traffic lights, underpasses

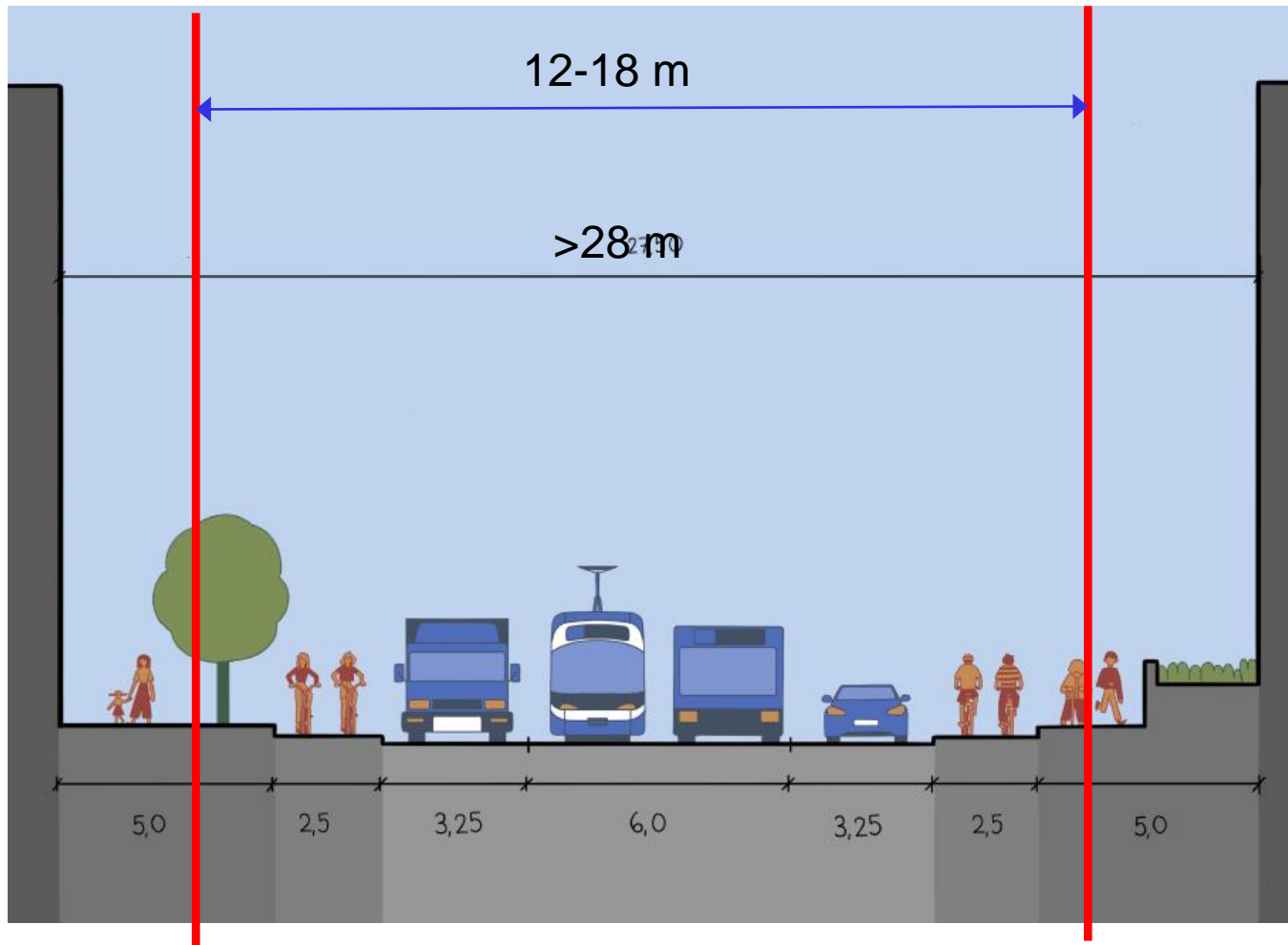
## Approach 2: handling conflicts

- simple, intuitive
- thoughtful
- reduced speed limits



# Not enough space

Simple addition of demands is not possible





# The whole is more than the sum of its parts

## Designer of urban streets

- The input of different skills / professions is necessary
- But it needs someone, who brings together the different demands to a consistent and durable street design
- We have to focus on impacts, not on measures



# Promotion of bicycle use

is more than building cycle lanes

## Integrated planning

- mobility culture
- speed limitation
- guidance of motorised traffic
- traffic management

## Most important:

- reduction of car traffic
- regain public space





# Thank you.

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