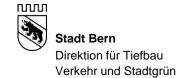


### A few words about Bern...

Fachste № e Fuss- und Veloverkehr Stadt Bern





### A few words about Bern...

Fachste № e Fuss- und Veloverkehr Stadt Bern





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### Not ideal conditions for cycling...

- Very hilly: many ups and downs
- UNESCO World Heritage
  - ⇒ cobble stones
  - ⇒ conservation is very important





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### **Modal Split of trips**

- > 26 % by public transport
- > 12 % by bike
- > 32 % by foot
- > 30% by car



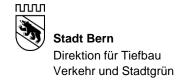




### How we support biking

### Departement for cycling and pedestrian traffic

- 2 persons
- 1.2 millions CHF per year
  - > The goal is to double the amount of biking



### Increase the amount of public bike-parkings (now 10'000)







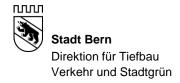


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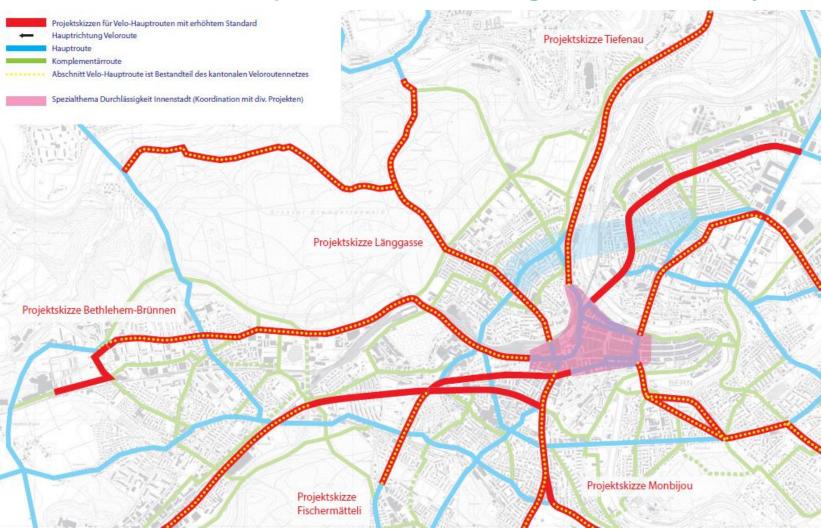


### Open all one way streets for the bike-counterflow





### Bike «fast» lanes are planned – also with green waves for cyclists





### More clearly signed bike lanes

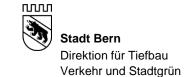




### A new cycling bridge over the Aare valley



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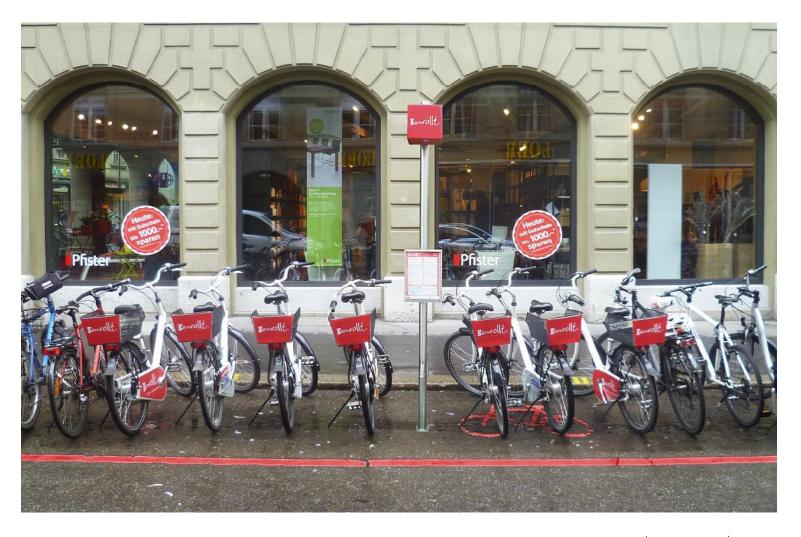
### **Public bike sharing system**



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### Public bike sharing system in Bern



## Will this be enough to double the amount of bike trips?

Could we do more?

And in which field?

Where is the most potential?



### Some facts...

### Money

for biking: 1.2 Mio/year

for public transport: 55 Mio/year

**Public parking** 

for biking:  $10'000 => 10'000 \text{ m}^2$ 

for cars:  $25'000 => 250'000 \text{ m}^2$ 

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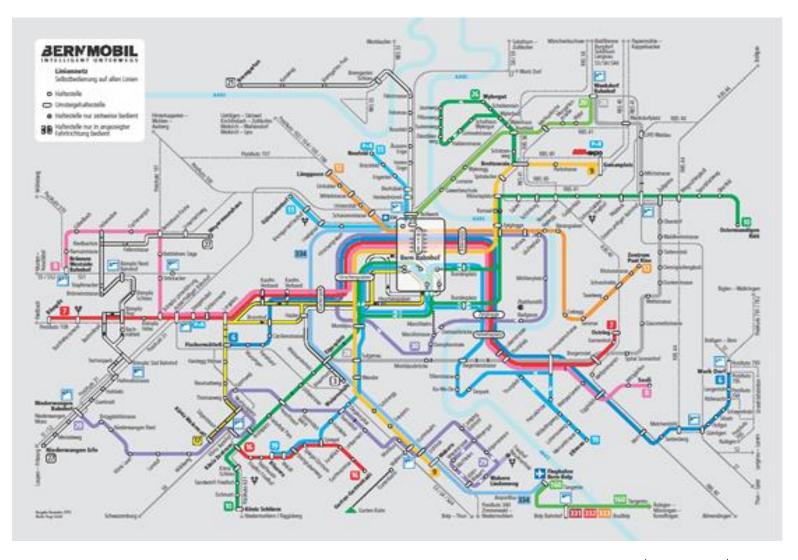


# What is the reason why you do NOT use your bike in the city?

Public transport is so good:	89 %
Rain and bad weather:	74 %
Car and motorbike is easier:	60 %
The bike gets stolen:	58 %
Afraid of falling and safety:	<b>50</b> %
Don't want to sweat:	45 %
Too many hills:	44 %

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### **Excellent public transport system**



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### Bern, as many other cities, planned (still plans) to expanse the tram system

The main discussions were: (and still are):

- Tram stops
- Tram tracks
- Traffic lights for trams



### trams and cycling...

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### Tram stop – cycle way behind the tram stop:

- it's going up, cyclists are slow
- works very well
- best case: but just in one spot in Bern (lack of space)

### tram stops and cycling...

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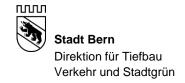


### Tram stop – cycle way behind the tram stop:

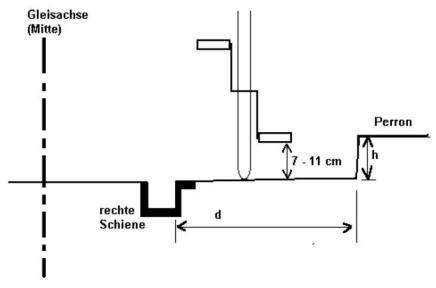
- Example from Heidelberg in Germany
- Clearly divided between pedestrians and cyclists to avoid conflicts

### tram stops and cycling...

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### **Most tram stops:**

- Not enough space behind the stop
- Bikes are on the road
- For handicapped people
  - ⇒ high curbs necessary

### **Compromise:**

Height curb: h = 24 cm

Distance track – curb: d = 90 cm

The distance is most important!

### tram tracks and cycling...

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⇒ No track crossing under 30 degrees

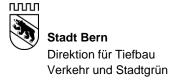


### **Solution:**

- ⇒ Bikes go to the right to get a better crossing angle
- but not always possible

### tram tracks and cycling...

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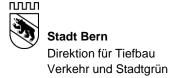
 No problems when there are not many pedestrians

Sometimes with a special traffic light for cyclists



### special tracks and cycling...









### Special tracks for bikes => System «STRAIL»

- No more grooves along the tracks
- Trial operation in Geneva
- Cyclists are happy with the system
- But the public transport tram company is not so happy...
- Until now limited range (only on straight tracks)

### roundabouts with traffic lights...

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### Roundabouts in Bern have traffic lights to speed up the trams

- Often cyclists have to wait without reason
- These red lights are not accepted by the cyclists

⇒ Passage for bikes

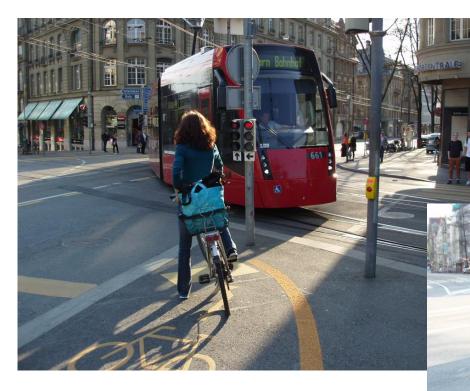
Works very well without problems

### traffic lights and cyclists...

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⇒ Cyclists and pedestrians have to wait a long time

### traffic lights and cyclists...

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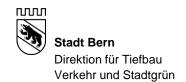
...and wait and wait...

### traffic lights and cyclists...

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### Conclusion

### Promoting public transport is necessary and good

 $\Rightarrow$  But don't forget the cyclists  $\odot$ 



...or...



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#### Stadt Bern

Direktion für Tiefbau Verkehr und Stadtgrün

