

Block 4: Managing Urban Transport Infrastructures

1. Understanding the Urban Transportation System

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This block you will be introduced to the management of urban transportation infrastructures, their challenges and what is being done to address them in the context of efficiency.

The block is structured into the following sessions:

1. Understanding the urban transportation system
2. Managing the urban transportation system
3. Challenges for urban transport managers
4. Challenges as seen from an operator (interview)
5. Broader challenges and new opportunities

1. Understanding the urban transportation system

In this session you will learn about the basic features of transportation in cities

In particular you will learn about:

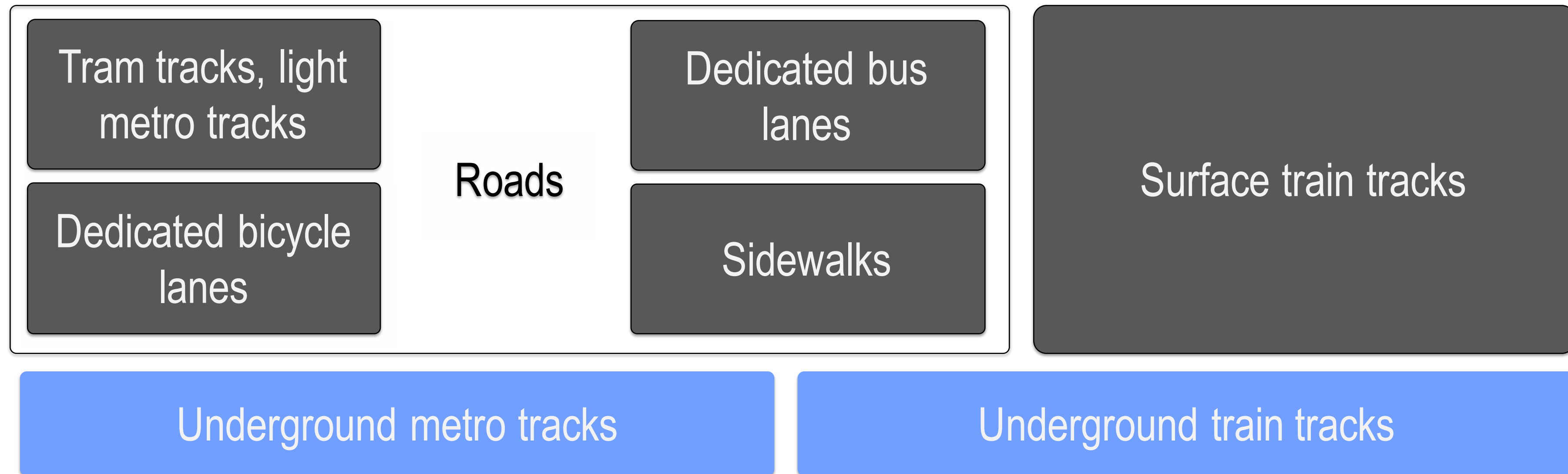
- The relationship between transport and the structure of the city
- The basic (physical) infrastructures
- The main transportation modes
- The main interfaces

Transport and the city

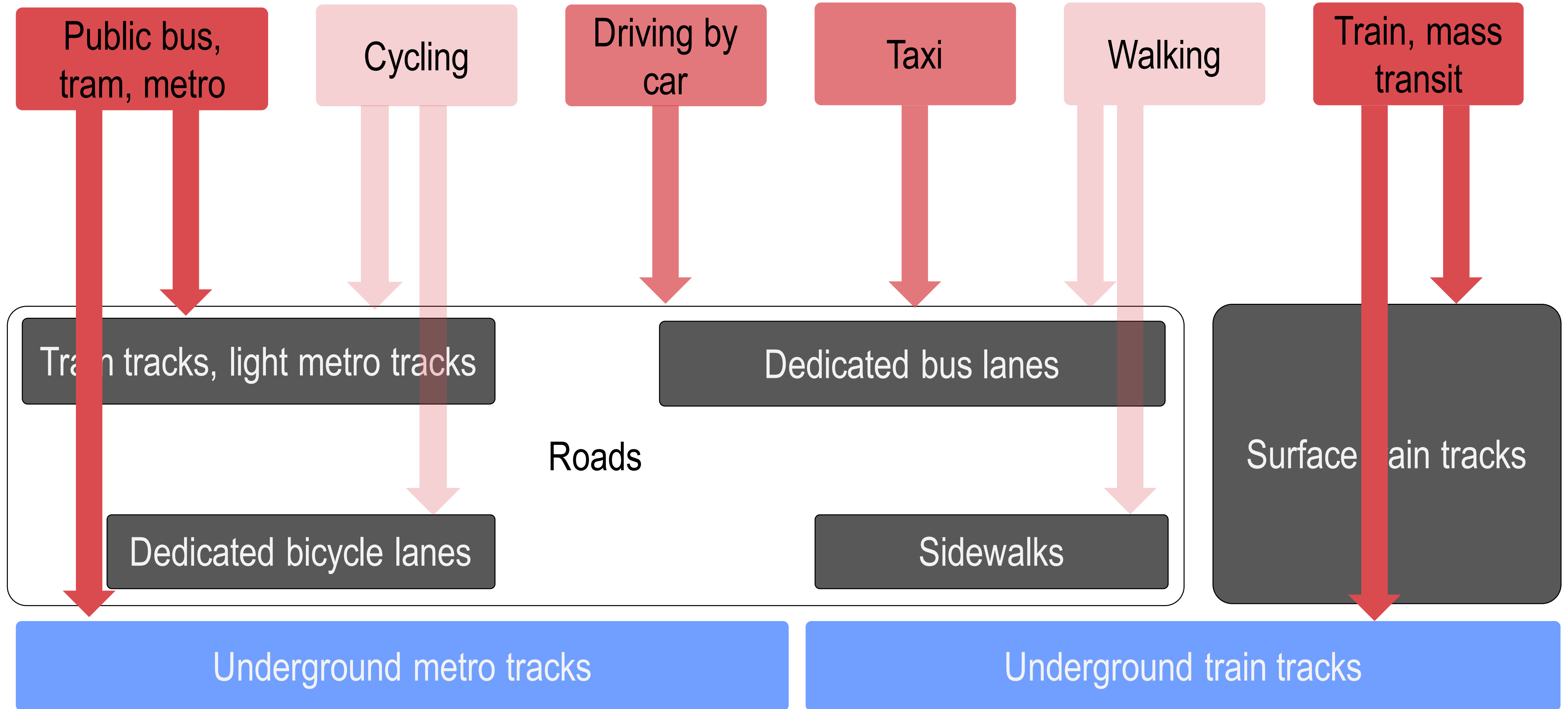
Transport is the most structuring infrastructure of a city:

- Transport is closely related to housing and the built environment:
 - the structure of the built environment conditions transport infrastructures and mobility
 - transport offerings condition urban housing, industrial and commercial development
- Transport also is a significant driver of urban energy consumption, as well as of pollution

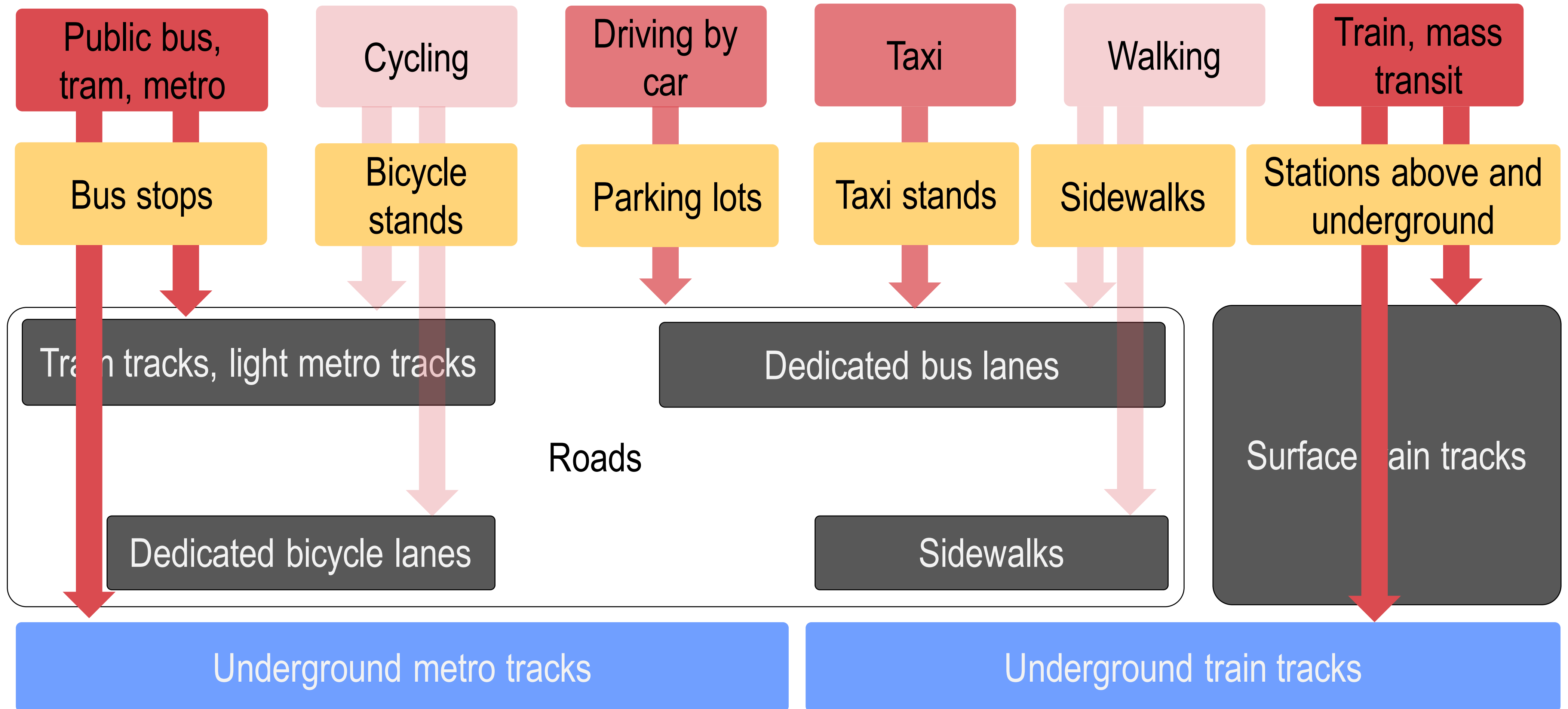
The basic physical infrastructures



The main transportation modes



The main interfaces



Conclusion

- In this session I have presented the main features of the urban transportation system
- In the next session we will see how all this is managed, or rather should be managed