

**"ADVENTURES" PROJECT, 2001-2004**  
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**- TEXTBOOK -**

# **Innovation in Urban Public Transport**

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# Aims of the textbook

- Update the existing course on urban public transport
- Provide course information on innovative European bus and light rail systems
- Update on the latest Intelligent Transport Systems applications
- Provide materials for case study based learning

# Contents

- Organisation of bus services
- Public transport operations
- Quality of service
- Passenger demand and supply analysis
- Public transport modelling
- Bus priority (physical measures)
- Bus priority (traffic signals)
- Automatic vehicle location systems
- ITS for bus operations
- Passenger information & interchanges
- Light rail & rapid transit
- New services (e.g. DRTS)

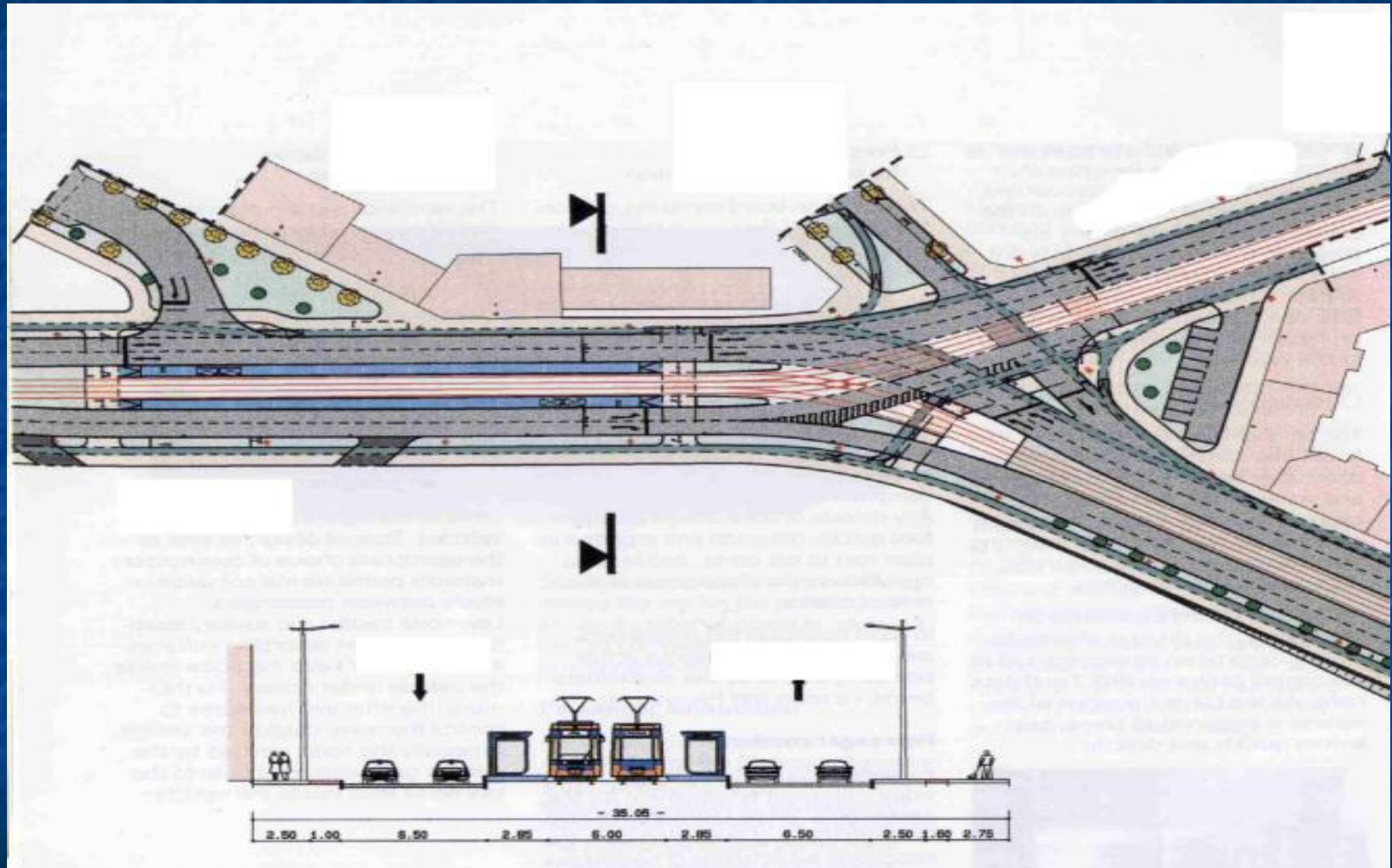


# Pre-signals & bus advance areas



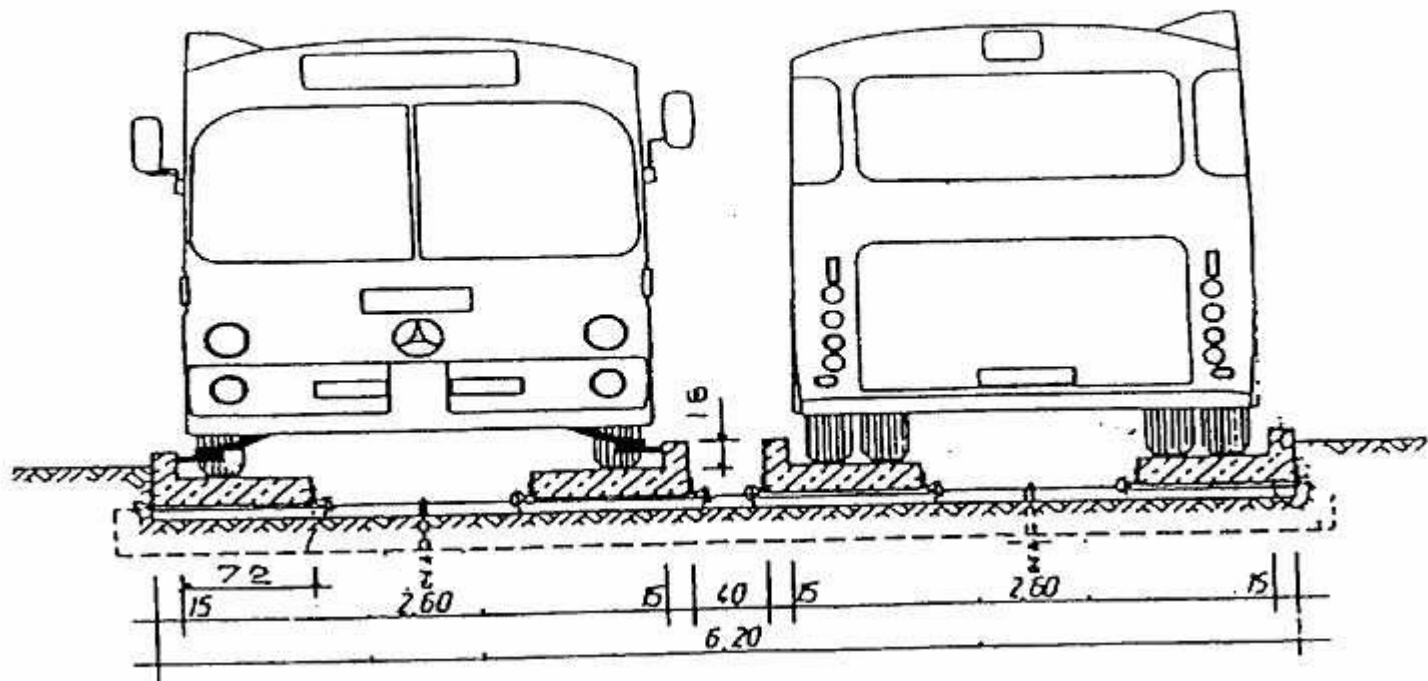


# LRT applications at interchanges



# Technology for mechanical bus guidance

Roulette sur bras de direction d'un véhicule routier standard



# Systems for optical vehicle guidance





# Interchanges between LRT & Bus





# Trams operating in segregated alignment



# DRT services

