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Model CAR Transport System - Modern ITS Education Tool

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Represents:

- **laboratory** intended for a practical development in the area of the motor traffic
- important education tool for student's hands-on training, enabling students to test results of own studies



Model Car Transportation Network

Main part:

- model in a ratio 1:87 (HO), based on components of FALLER Car system,
 - e.g.
 - cars



- traffic lights





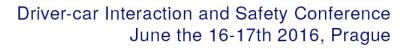
Model Car Transportation Network

parking spaces

- stop sections

- branch-off junctions

- sensors





Model Car Transportation Network

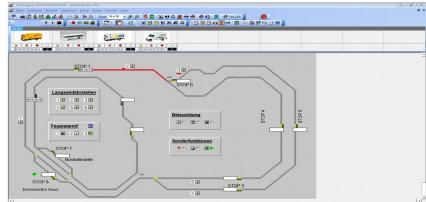
- control sections
 - HW

(presetting for automatic operation)

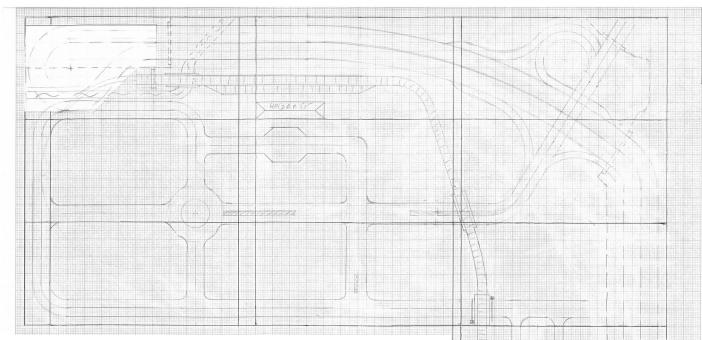
• SW + HW



(programming of different operating situations)

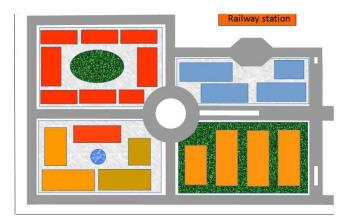






- enables to simulate real traffic situations
- includes a motor traffic





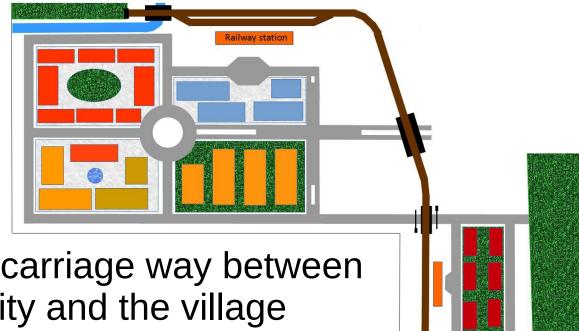
• in a city



• in a small village







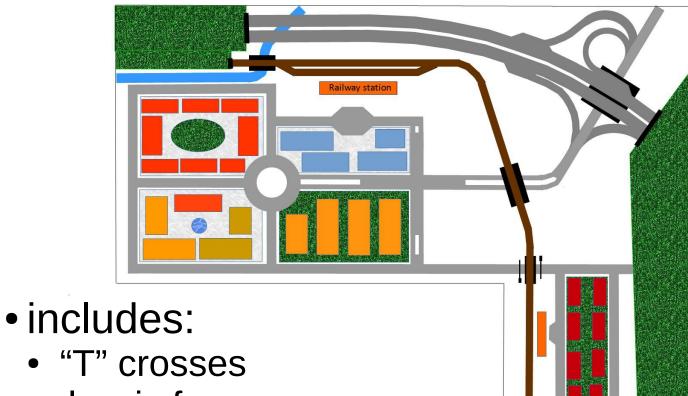
 on a carriage way between the city and the village including grade crossing





 on a highway segment, which includes an elevated crossing with highway approaches and exits





- classic four-way cross
- four-way traffic circle



Further targets:

- development of own SW in area of Intelligent Transport System
- development of own SW and HW for remote control of model cars on digital base
- creation a sample of Smart City



Conclusion:

- the model
 - is one of important tools, assisting students of Faculty of Transportation Science in their study
 - facilitates understanding matters of Intelligent Transport System and Smart City
 - last but not least enables students to test results of own studies in area of transportation science in practice, namely in development of SW applications and HW devices



Thank you for your attention

I am ready to answer your questions now or latter on

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