

Traffic Information and Control Systems of Shanghai

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Abstract

Economic development and urbanization poses a great variety of challenges to urban transportation systems. As one of the biggest city in China, although remarkable achievements in terms of increasingly sophisticated transport infrastructures have been made, traffic congestion and related problems such as environmental health risks still remain as an urgent problem in Shanghai. This presentation provides a brief introduction about the recent development of comprehensive traffic information platform which consists of four sub-systems including urban road network traffic information system, public transit information system, intercity transportation information system, and hot spot information system. The traffic control systems used in Shanghai as well as a series of control solutions including transit priority control, unconventional intersection control, pedestrian control, and roundabout control which also aim to mitigate traffic congestion problems are presented.