



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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Code for Design of Urban Road Traffic Facility

城市道路交通设施设计规范

(English Translation)

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Explanation of Wording in This Code

List of Quoted Standards

1 General Provisions

1.0.1 With a view to maintaining order operation, security, smoothness and low

1 General Provisions

1.0.1

With a view to maintaining order operation, security, smoothness and low public nuisance of urban road traffic, unifying technical standards of urban road traffic facility design, guiding engineering construction, and achieving comprehensive function of urban road traffic facility, security and practical advanced technology as well as economy and rationality, this code was formulated.

1.0.2

This code is applicable to design of traffic facilities for constructed, renovated and extended roads. Urban road traffic facilities shall include traffic signs, traffic markings, protection facilities, traffic signal lamps, traffic surveillance and control systems, service facilities, road lighting and power transformation and distribution as well as management offices and equipment.

1.0.3

Urban road traffic facility shall be designed according to road nature, environment along the line and traffic flow characteristics; and in addition, it shall meet the requirements of relevant planning, overall design of road and energy conservation and environmental protection in the project location area.

1.0.4

The overall dimensions and load of the design vehicle adopted in the urban road traffic facility design shall meet the requirements of the current national standard "Limits of Dimensions, Axle load and Masses for Road Vehicles" (GB 1589).

1.0.5

The urban road traffic facility shall be designed synchronously with the principal part of the road engineering; and the design is carried out according to the principles of overall design and phased implementation. For the relevant foundation engineering and piping of the principal part of the engineering, they shall be reserved and embedded during implementation of the principal part of the engineering.

1.0.6

The urban road traffic facility design shall meet the requirements of this code as well as those specified in the current national standards.

2.1.1 Right of way

Right of road user to carry out traffic activities in certain space at certain time according to the requirements of traffic laws and regulations.

2.1.2 Warning sign

The sign used to warn the vehicles and pedestrians for noticing the road traffic.

2.1.3 Prohibition sign

The sign for prohibit or restrict traffic of vehicles and pedestrians.

2.1.4 Mandatory sign

The sign used to direct vehicles and pedestrians.

2.1.5 Guide sign

The sign used to deliver message on road direction, place and distance.

2.1.6 Changeable message sign

Changeable message sign can change its displayed content according to the change of traffic, road and climate.

2.1.7 Active luminous sign

The sign with figures and symbols and can give out light from inside through electric energy or other energy resources; under relatively dark environment, it can be clearly identified.

2.1.8 Retro-reflection

The reflection which the reflecting light reflects from the opposite direction near the opposite direction and returns to the light source.

2.1.9 Delineator

It is used for indicating heading direction of the road and the edge contour, and is designed with retro-reflection characteristics or initiative lighting function.