

PRINCIPLES FOR THE DESIGN OF ROAD TRAFFIC SAFETY FACILITIES

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In Ukraine, the level of deaths and injuries due to road accidents is quite high, and the level of road safety remains extremely low [1-3]. Road safety is also affected by the quality of the road surface, which deteriorates in winter and spring due to the low durability of road surfaces and uncontrolled use of road salt [4-7].

Normative principles. The design of road traffic safety facilities needs to strictly follow the relevant work specifications and meet the needs of the society. In the overall design, whether it is the choice of color or the design of signs, it is necessary to refer to relevant opinions, scientifically and reasonably design related content, and conform to people's daily work habits.

Principle of visibility. The design of road traffic facilities needs to ensure that pedestrians and drivers can see them in time, so that they can perform operations in compliance with the corresponding instructions. During the driving of the vehicle, drivers usually rely on vision to obtain relevant information and react in time. In the setting of road traffic safety, the principle of visibility needs to be met to guide drivers and pedestrians.

Principle of Appropriation. In road driving, appropriate slogans can improve people's awareness, which is necessary to guide traffic safety. The staff should do a good job in comprehensive management to ensure that the number of road safety facilities is within a certain range, in line with the needs of the overall design, and will not have a negative impact on the drivers. At the same time, the design of road traffic fully takes into account the natural environment to avoid damage to the surrounding environment and affect road safety construction.

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