

foundations of civil society. UN assistance to Uzbekistan is in line with the Millennium Development Goals of improving the quality of education in secondary and primary schools, strengthening their material and technical base, improving maternal and child health, as well as reducing maternal and child mortality.[5]

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**ACCIDENT RATE OF JSC "UZBEKISTAN RAILWAYS"**

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**Abstract:** This article examines the causes of accidents that are currently occurring in JSC "Uzbekistan Railways". At present, one of the important tasks is to ensure labor protection and production stability in railway transport. Accidents at production facilities and damage to technical equipment used at hazardous production facilities lead to injuries of workers and pollution of the environment during the transportation of toxic and hazardous substances.

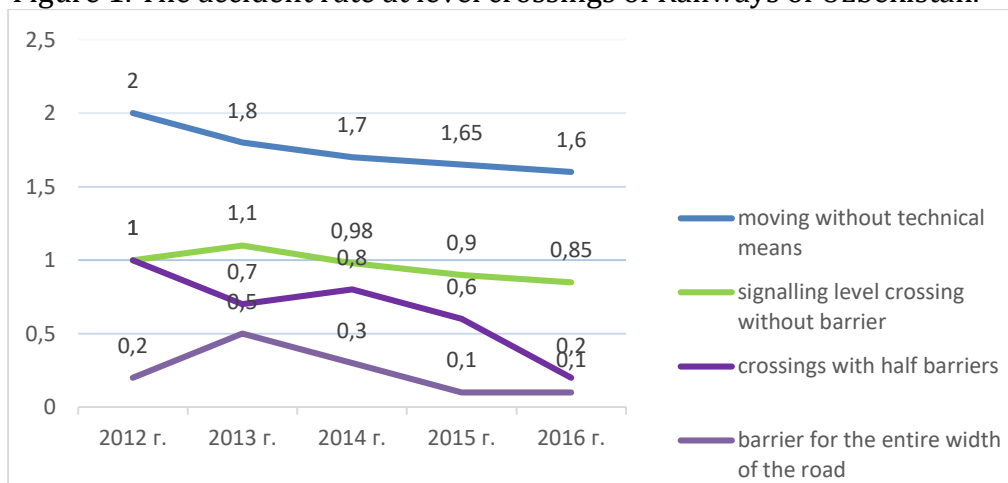
**Keywords:** Occupational health and safety, production stability, emergency structures at facilities, technical equipment used in hazardous production facilities, breakdowns, the process of transportation of toxic and hazardous substances, injuries to workers and environmental pollution.

At present, the operating conditions of railway crossings have changed radically. The main cause of accidents is the lack of discipline and inattention of ATS drivers when driving on particularly dangerous sections of the road network. Therefore, the organization of road traffic at crossings should be focused on the creation of such traffic conditions, which would provide timely information to road users about the presence and condition of the crossing, as well as prevent threatening traffic safety actions.

The construction of overpasses (tunnels) along with the saving of operational transport costs can significantly improve the safety of traffic and pedestrians, reduce wear and tear of cars, reduce damage to goods and accelerate their delivery, improve the working conditions of drivers of vehicles and train drivers, improve the aesthetic quality of the road (street) and Railways. However, such measures require large capital investments and terms of implementation, which makes it necessary to find other technical solutions. Total replacement of intersections in the same level junction at different levels sometimes interfere with the topographic conditions of the area. The replacement of the existing railway crossing with a transport interchange at different levels is usually economically justified at high traffic intensity values on the crossed roads.

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Figure 1. The accident rate at level crossings of Railways of Uzbekistan.



The presence of a yellow flashing signal, which works during the period of time when the red signals prohibiting movement at the crossing are turned off, informs about the serviceability of the crossing alarm and additionally indicates the move, which is especially important in the dark

and in conditions of insufficient visibility. It should be noted that in the flashing mode, the consumption of electric energy is reduced. At the same time, it is advisable to replace the lamp elements with led optical elements having higher operational qualities.

The use of led heads in 2.5-3 times reduces power consumption, increases the range of the signal and significantly increases the service life of the traffic light. The most expedient is the installation of an additional section functioning in the mode of yellow flashing at crossings:

- Category II not serviced by a duty officer;
- Category III without a person on duty, through which the transportation of dangerous, bulky and heavy cargo, as well as the movement of Shuttle buses (taxi);
- III and IV categories located on the railway line Brest - Orsha - Red.

Increase the level of security will also facilitate the location of moving additional light signals, informed-bird watching road users about the emergency on the move, malfunction LC signalling system and other emergencies.

To inform road users about the approach of the train in a timely manner, an audible crossing alarm is also used. In the locations of crossings near residential buildings sound signals cause some inconvenience, especially at night. The design of the audible crossing signalling shall provide for the propagation of sound in the direction of the road or street, and not in space. The quality of the sound warning of road users about the approach of the train is largely determined by the type of sound signal used and the duration of its operation.

An effective means of alerting vehicle drivers to approaching an iron-road crossing, especially in foggy conditions, is to draw on all approaches to a potentially dangerous crossing a road marking with a special configuration and informing of the presence of the crossing. This technical solution is widely used in the United States.

Better visibility from a small angle of view is provided by the elongated shape of the markings. It seems optimal to use as a symbol indicating the approach to the crossing of the image B,7a, B,7 AND A,26, provided by the Convention on road signs and signals.

At present, on the sections of roads (streets) of the Republic of Uzbekistan adjacent to railway crossings, the device of so - called "noise" strips-artificial irregularities on the roadway, which create the effect of shaking the vehicle, is becoming more and more widespread. Noise strips are designed to draw the driver's attention to the fact that the traffic conditions at the crossing change dramatically. Such sections of roads and streets are usually equipped with road signs and markings, as well as retroreflectors mounted in the roadway. Marking approaches to a railway

crossing is a simpler and more economical means of increasing the attention of drivers as they approach the crossing. At the same time, more favorable conditions for movement are provided, as well as a sufficiently high level of hazard warning.

Thus, the implementation of the proposed measures will increase the level of road safety in the zone of railway crossings by improving their designation on the section of the road network, advance warning of road users about the danger, equipping devices that exclude unauthorized departure of vehicles on the move when approaching it rolling stock of Railways and increasing the quality requirements for the maintenance of roads and streets in the zone of crossings. The inclusion of outdoor lighting at low-activity railway crossings located outside cities and towns at the time of the train's entry into the approach section will improve the economic performance of such road network facilities.

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#### **ADAPTIVE FEATURE OF THE SHEEP OF THE KARAKALPAK SURA TO DRY CLIMATES**

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**Abstract:** the article presents the results of the study of the main defining signs of breeding Karakul sheep of the Karakalpak sura. The optimal criterion was determined for the distribution of experimental lambs of different colors according to adaptive types, classiness, and the width and length of curls of Karakul sheep of the Karakalpak type suras.

**Key words:** Karakalpak sur, colors, adaptive type, classiness, curl width, curl length.