

PAPER

SAFETY ON ROADS

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Abstract

Car of the way integrated transport facility as reliability other indicators enough values with of the road standard or designated service deadline during to the optimum close average traffic flow at high speed safe designed movement provide is the ability .

Car of the roads reliability criteria of the following consists of :

- vehicles uninterrupted , safe and comfortable movement ;
- technical documents in the requirements designated parameters with designated functions doer of the road status as to use suitability ;
- road of the coating conductivity and strength for security border level ;
- repair and technician service show through disorders , injuries and their consequences eliminate to grow the reasons determination and prevent to take for structure adaptation .

Key words: transport, dangerous , driver , movement , event , car , wheel , condition , pedestrian .

Analysis and results

Of the road geometric parameters . This parts movement to safety impact doer important For example , population from the point outside road of the line If the width is 3 m , then the opposite movement during security only at low speed provided . Otherwise without , collision or vehicles road from the edge out departure possible . Bottom in the category on the roads shoulder improved to the surface has not , that's why for to him/her driving to the side of the car slippage and to be overthrown take arrival possible . The piece If the width is 3.5 m , then the passage safety noticeable at the level The width is 3.75 m . movement line every both vehicles for to the border close even though , getting closer to oncoming vehicles speed without reducing transition opportunity gives . Drivers of the road right to the edge relatively better redirect and new on the roads road the coating save stay for road along width up to 0.75 m was edge lines laid down , but driver reliable in a way movement possible car road parts the most on the edge.

Middle linear car on the roads both towards edge lines is installed . Every kind driving conditions was on the roads (sharp turns , right plots with interchangeable slopes) relative unhappy events number smooth and calm driving conditions providing to the roads relatively more . Statistics to the information according to 1 km on the road intersections and intersections number increase with unhappy events number increases because situation wrong assessment and driver mistakes probability increases .

Pedestrians and cyclists for main road with intersection and intersections density increased gradually , other road movement to the participants than more unhappy events danger increases .

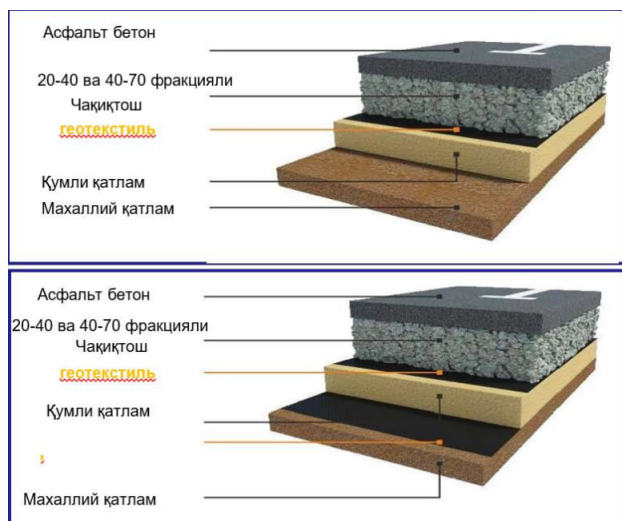
Drivers difficult road to the conditions adapted gradually , sadly events number slowly decreasing , uncomfortable external of factors impact decreases . Uncomfortable weather conditions with together uneven road coatings unhappy events the risk Increases the roads repair their work take to go On the road road repair works take going of the regions the presence of traffic flow one flat to move obstacle does and of the road conductivity This area is limited . traffic jam to be it is possible , this and unhappy events the risk increases . The road works driver for amazing factor become service does this especially driver every day used in the area It is dangerous .

Road of the coating quality , reliability and status road movement to safety noticeable impact shows . The way factors the following includes :

Of the road type and geometric parameters - path width , intersections intersections number of intersections and movement islands order to put level , characters accuracy , movement speed (highway) of the roads categories , federal, regional and local roads) and others .

Speed to the border compliance to do - of the roads every one category and geometry optimally safe for speed border there is is , then unhappy events number decreases or no unless does not increase .

Figure 1. Condition of the road surface



Road of the coating material – car of the scoundrels road with weight to him/her related and that's why for accident danger level . Asphalt-concrete , gravel and soil car tires different in a way also holds every kind weather under the circumstances technician features changes . Path of the coating status car of the wheels on the asphalt to the adhesion of the road to stability and of the car maneuverability impact does . Icy and snowy on the road unhappy event danger maximum at the level increases , the second the most dangerous – wet road , the third is flat not been superficial road

Conclusion and suggestions

Road factor impact not only of one vehicle safe conditions and movement modes , but also the traffic flow of vehicles mutual also affect the effect does . That's why for road movement main signs – intensity , speed , density of changes features study need .

Action intensity – time in unity of the road desired plot or from the segment of passing vehicles number . Often time period as one hour acceptance will be done and to that suitable vehicles car / hour as movement intensity is determined . Some problems solution in doing daily and average annual movement intensity about from data is used .

Action intensity change main from the characteristics one his/her time and in space During the day movement intensity change , first next , in the morning and evening urgent of hours existence with This is described . time between road movement participants for big problems brought releasing big loading available . Noisy transport load at the time daily traffic load about 15 % organization does . During the day movement intensity change usual graph in the picture shown .

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