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# CONSTRUCTION OF ROAD SURFACES AND BASES USING COLD REGENERATION OF ASPHALT CONCRETE IN INSTALLATION

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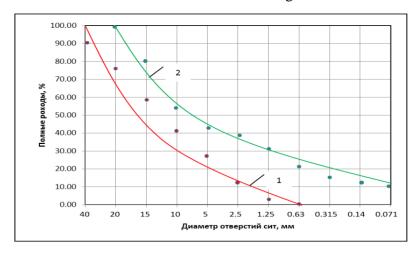
ABSTRACT	KEYWORDS	
in the article Highways are the most important part of the country's overall	maintenance, service	
transport system, without which no sector of the economy can function. The level		
of development and technical condition of the road network significantly affect	Cilissions, Operation,	
both the economic and social development of the country as a whole and its individual regions.	road, road conditions.	
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#### Introduction

Using the results of theoretical studies, experimental work was aimed at selecting AGB compositions with the highest density and strength characteristics with the optimal amount of cement and plasticizing additive.

As starting materials, granules of old asphalt concrete (type C) obtained as a result of milling asphalt concrete pavements with a cold cutter during repair work at the facilities of Termez were used . The general view of the granulate and the particle size distribution curves are shown in Figure 1.





B)

Figure 1 - General view of the granulate after sieving (a) and its particle size distribution (b): 1-before crushing; 2-after crushing and adding cement.

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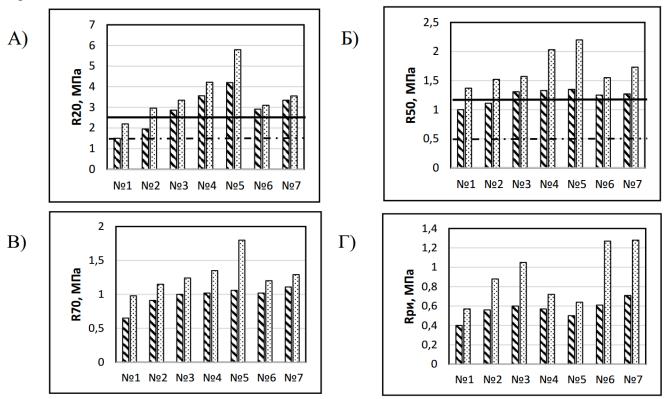
The paper considered various options for the composition of AGB-mixtures based on granulated old asphalt concrete without the addition and with the addition of cement in the range from 0.75 to 3%. and plasticizer in the amount of 1.2% by weight of cement. For the preparation of AGB mixtures, two types of granules were used . Granulate 0-40 mm in size obtained after milling without crushing and fractionation and granulate 0-20 mm in size obtained after crushing, sieving and mixing fractions, which provided a denser AG B- mixture (Fig. 1b). The compositions of the mixtures are shown in table 1.

Table 1

Compositions of AGB mixtures with 0-40 mm granulate and 0-20 mm granulate

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matchais	Composit	Composi	Composit	Composi	Composit	Composit	Composit
	ion No. 1	tion No	ion No 3	tion No	ion No. 5	ion No. 6	ion No. 7
A) Old asphalt concrete							
granulate (fraction 0-40 mm)							
B) Old granulate	100%	97.75%	95.5%	93.25%	91.0%	97.73%	95.46%
asphalt concrete (fraction 0-							
20 mm)							
Cement m500	-	1.5%	3%	4.5%	6%	1.5%	3.0%
Water	-	0.75%	1.5%	2.25%	3.0%	0.75%	1.5%
Plasticizer ( reinforced	-	1	-	-	-	0.018%	0.036
Total:	100%	100%	100%	100%	100%	100%	100%

The results of determining the main indicators of the properties of AGcrete from non-crushed and crushed granules at the age of 7 days are shown in Figure 2. and at an age of 28 days are shown in Figure 3.



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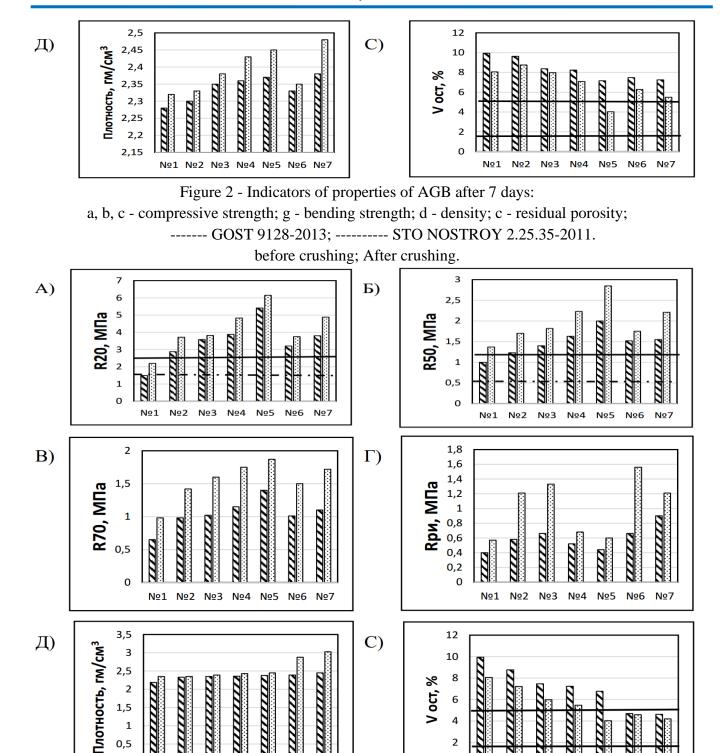


Figure 3 - Indicators of properties of AGB after 28 days: a, b, c - compressive strength; g - bending strength; d - density;

c - residual porosity;

----- GOST 9128-2013;----- STO NOSTROY 2.25.35-2011.

2 0

Nº2

Nº3

Nº4

Nº5

Nº6

№ До дробления; После дробления.

Nº2

Nº3 Nº4 Nº5 Nº6

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