



322—
2019



2019

1	.....	1
2	.....	1
3	.....	2
4	.....	3
5	.....	6
6	.....	6
7	.....	7
( )	.....	8
( )	.....	9
( )	.....	10
( )	.....	12
( )	.....	13
( )	.....	14
( )	.....	16
( )	.....	17
( )	.....	18

Automobile roads of general use. Soils stabilized and fortified with inorganic binders. Specifications

— 2019—07—01
2022—07—01

1

2

8

12.1.007

4013

5180

9179

10178

11955

23732

25592

25818

26423

26425

26426

27753.10

30108

31108

32730

32824

32826

pH

3.11 : , *

3000 3.

3.12 : (-

).

, 3000 .

4

4.1

4.1.1 , 1. -

. ,

1

10	1.0	0.1
20	2.0	0.2
40	4.0	0.4
60	6.0	0.6
80 (75)	8.0 (7.5)	0.8 (0.75)
100	10.0	1.0

4.1.2 , , 2.

2

. 0.6	
. 0.7	^0.7
. 0.8	

4.1.3 0.75.

4.1.4 -

4.1.5 0.98.

4.2

4.2.1 (IPI) ,

3.

3

	. %	
10		
10 15		1 1
15 20		IPI,5

3

		. %		
		20	25	IPI_M
		25	30	IPI_{25}
		30	40	IPI_M
		40	50	IPI_{40}
		50	60	IPI_{50}
				IPI
1	—	50.		
2				-

4.2.2

(CBR) -

4.

4

		. %		
		15		CBR_{s15}
		15	20	CBR_{20}
		20	30	CBR
		30	40	CBR_{40}
		40	50	CBR_{50}
		50	60	CBR_{60}
		60	70	CBR_{70}
		70	80	CBR_{80}
		80	90	CBR_{90}
				CBR
1	—	80.		
2				

4.2.3

0,98.

4.3

- 740 / —
- 1500 / —

4.4

4.4.1

4.4.1.1

12.
31,5

22.4

1

32824,

32730

12 17

33063

2

12.

33063.

4

4.4.1.2

(-

).

4.4.1.3

- 2 % — I II - ;

- 4 % — III—V - .

4.4.1.4

(pH 5.5).

(NaOH)

4.4.1.5

1 %

pH — 5.5.

4.4.1.6

pH 7.

4.4.1.7

10 %.

4.4.1.8

2 % — 4 %.

4.4.1.9

3 % pH 4

4.4.1.10

5 % pH 7

1

2

3

4

5

pH

26423.

26425

26426.

4013.

27753.10.

4.4.2

• 33174, 31108;

• 10178;

- 9179;

• 0,063 ,

32826;

- 25592;

• - 25818;

-

:

-

52128

55420;

•

11955

100 .

4.4.3

4.4.3.1

4.4.3.2 8

4.4.3.3

4.4.4

23732

10000 / ³.

SO₄ — 2700 / ³, Cl —

4500 / ³.

4.4.5

12.1.007.

5

5.1

5.2

5.3

5.4

5.4.1

5.4.2

5.4.3

5.4.4

6

6.1

6.2

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— 5.

— 25.

(IPI).

(CBR) —

15

(

);

15

(

);

);

);

—

(CBR);

(IPI);

[

()

];

; ()

; ()

;

;

;

;

;

/

1 -

2 -

6.3 (20 ± 2) ' (95 ± 5) % -

• 28 : -

• 90 25 %); -

6.4 7 (60 % 28- -

6.5 50 % -

6.6 (8.2.1; .2.2). 28- -

(20 ± 2) * (95 ± 5) % : -

62 - ; -

6.7 -

6.8 -

6.9 -

6.10 -

6.11 -

6.12 (IPI) (CBR) -

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6.13 30108. -

6.14 -

7 -

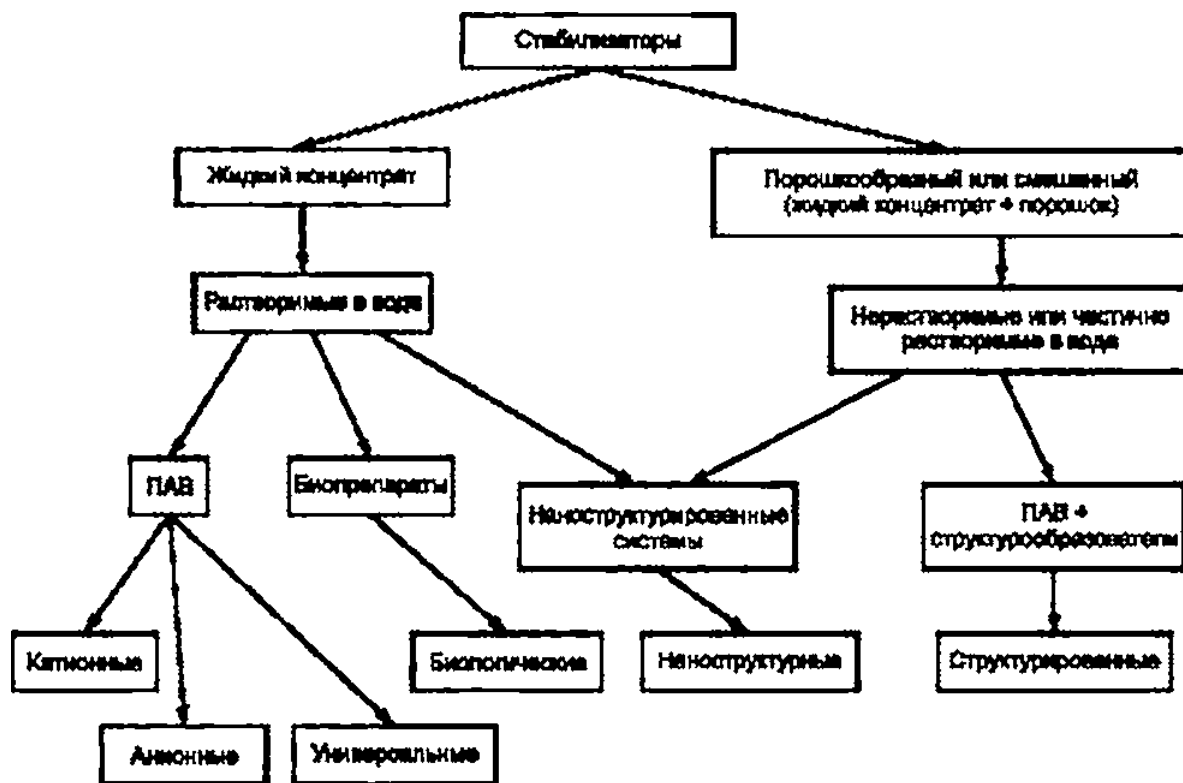
7.1 -

7.2 -

7.3 -

()

.1.



()

.1.

.1

			pH	
-	-	-	(pH < 7)	
-	-	-	(pH > 7)	
			pH	- , ,
-	-	-	(pH < 7)	,
-	2 %	-	(pH > 7)	,
			pH	- . , -
		-	(pH < 7)	,
		-	(pH > 7)	,
			pH	- . , -

()

.1
 •
 (3.0 ± 0.3) / ;

() : 50 100 2 % , 0.1

.2

.2.1

(—) 6.1 6.2

.2.2

6.3

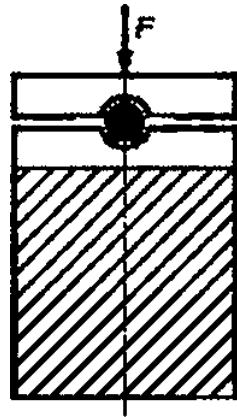
.2.3

.3.1

.3.1.1

8

.1.



.1—

.3.1.2

(3.0 ± 0.3) / .

.3.1.3

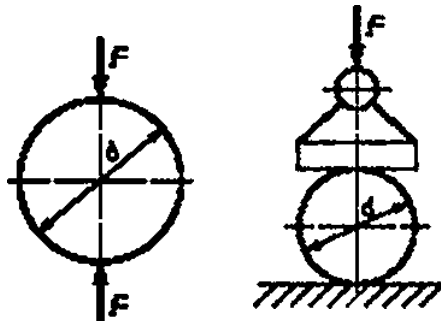
.3.1.1— .3.1.3.

.3.1.4

.3.2

.3.2.1

.2.



.2—

.3.2.2

(3.0 ± 0.3)

.3.2.3

.3.2.1— .3.2.3.

.3.2.4

.4

.4.1

)

R^A

(

-

, ,

()

F—

S—

—

. ;

, 2:

(-

.1);

10^{-2} —

8

<i>h</i>	0.8	0.95	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95
<i>d</i>	0.94	1.04	1.14	1.24	1.34	1.44	1.54	1.64	1.74	1.84	1.94	2.00
	0.96	1.00	1.04	1.08	1.10	1.12	1.13	1.14	1.16	1.18	1.19	1.20

.4.2

)

R_p

(

-

$R_{\gg} = 10^{-2} < -2 >$

F—

d—

h—

21 —

)? —

, :

, :

, :

, :

(

.2):

10^{-2} —

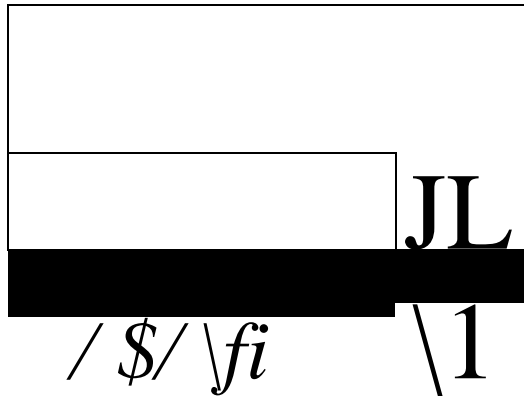
.2

<i>h</i>	1.04	1.05	1.24	1.25	1.44	1.45	1.64	1.65	1.84	1.85	2.00
<i>d</i>											
2	1.00	1.02		1.04		1.07		1.10		1.13	

()

.1
•

(. . . .1);



>— :2— .3— 8— .?— .4— .5—
 .1—

•

R2

.2.1

324—2019

.2.2

6.3

.3.1

(72 ± 1)

8

1/3
1/3

.3.2

(15 ± 1)

(72± 1)

I—III IV V

()

.1

•

()

:

100 ;

.2

.2.1

324—2019

.2.2

6.3

.3

.3.1

.3.2

.3.3

(

)

$$B = \frac{R_{CK}}{R_{CK}}$$

(.1)

" —

;

—

()

.1
 • 50 100 : (3.0 ± 0.3) / ;
 • (20 ± 2)* :
 •

.2

.3.1

324 — 2019.

100

.3.2

.3.3

.3.4

.1.

(4 ± 0.25)

.1

	—				
	1	h	til	IV	V
	25 -22	25 -22	25 -22	15 -10	10 -5
	25 -22	15 -10	15 -10	10 -10	5 -5
	25 -22	15 -22	15 -22	15 -10	10 -5
		10 -10	10 -10	5 -10	
	—	15 -22	10 -22	10 -10	5 -5
	15 -10	10 -10	10 -2		•

.3.5

(4 ± 0,25) :

(20 ± 2)* .

(20 ± 2)* .

.3.6

.1.

.3.7

.4

()

$$K_{\text{mpo}} = \frac{R_{\text{cix}}^{\text{mpo}}}{R_{\text{cix}}^0}$$

()

(3.0 ± 0.3)

()

)

(

$$K_y = \frac{\rho_1}{\rho_{max}}$$

(.1)

]—

,

5180. / ³.

—

,

6.1

:

, / ³.

()

.1 : 2500
 0.1 . : 5180 500³; (100 1 3) :
 . ;

.2
 .2.1 , 1 -
 .2.2

.3.1 5180.
 .3.2
 .3.2.1 0.1 .
 .3.2.2 (60 ± 5)' (511) .
 .3.2.3 ,
 .3.2.4 .3.2.2 — .3.2.3
 .3.2.5
 0.1 . .3.2.6 (2213) "
 0.1 . .3.2.7 ()

$$\frac{\pi 44 P_n}{P_n(zn2-m3)-P_e(zn2-'i)'} \quad (.1)$$

, — , ;
 — , 1 / ³;
 — , 0.93 / ³;
 — ,
 — ,

.4 ()

$$K_y = \frac{P_c}{P_{max}} \quad (.2)$$

— , . . / ³;
 ^^ — , 6.1 , / ³.

()

,

.1

			1
		4	1
		4	1
	4	2	1
	4	2	1

625.7/8:006.3/8:006.354

93.080.20

:
(IPI). , (CBR). , ,

4—2019/23

• •
• •
• •
• •

20.05.2019. 27.05.2019. 60«64b_g
. . . 2.79 - . . 2.23.
,
« »
. 117418 . - . . 31. . 2.
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