



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 063
Cota/Depth: -2,00 m

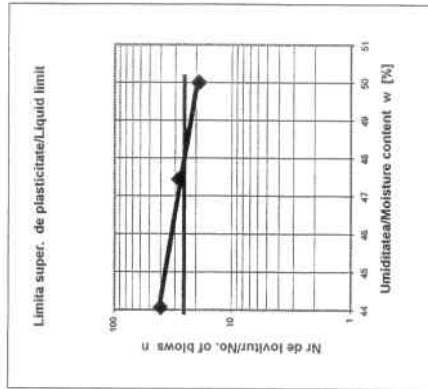
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11019.1.18.12.2004
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

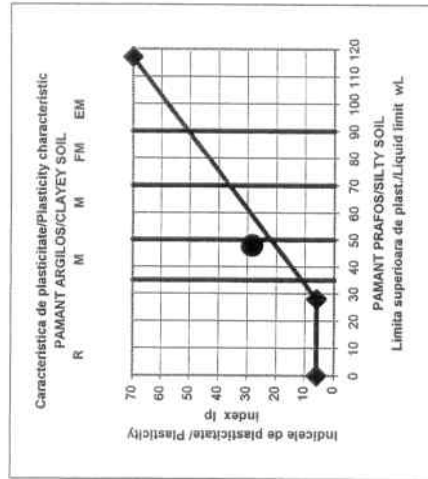
	U.M.	1	2	3
m 1	g	16,6	19,6	15,4
m 2	g	14,0	15,9	13,0
m 3	g	8,1	8,1	8,2
w	%	44,1	47,4	50,0
Nr de lovituri/No. of blows	-	40	28	19

	U.M.	1
m 1	g	58,1
m 2	g	54,2
m 3	g	34,4
WP	%	19,7

$W_p = 19,7 \%$



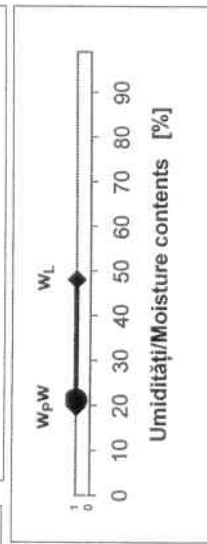
$W_L = 48,0 \%$



	U.M.	1
m 1	g	202,7
m 2	g	173,7
m 3	g	37,5
w	%	21,3

$W = 21,3 \%$

$I_c = 0,94$
$I_p = 28,3 \%$



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 064
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11020 / 18.12.2008

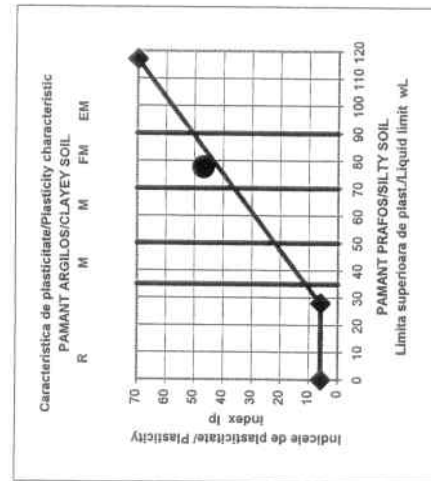
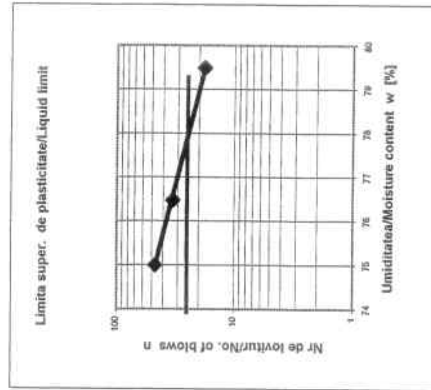
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,9	16,9	15,0
m 2	g	16,0	13,0	11,9
m 3	g	10,8	7,9	8,0
w	%	75,0	76,5	79,5
Nr de lovituri/No. of blows	-	47	33	18

	U.M.	1
m 1	g	38,0
m 2	g	34,4
m 3	g	22,8
W _p	%	31,0

W_p = 31,0 %

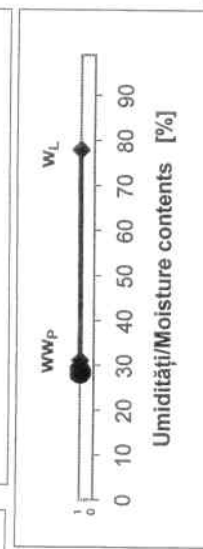


	U.M.	1
m 1	g	183,7
m 2	g	150,9
m 3	g	36,0
w	%	28,5

w = 28,5 %

lc =	1,05
lp =	46,9 %

W_L = 77,9 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 066
Cota/Depth: -0,70 m

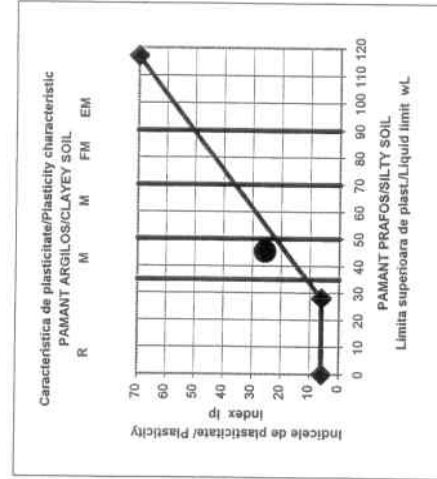
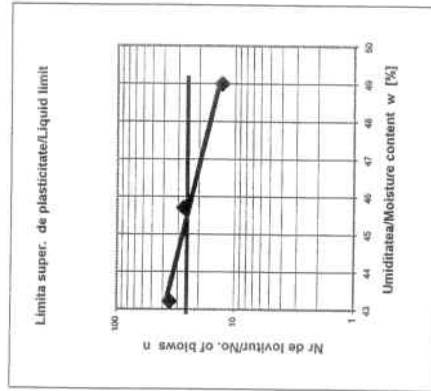
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1102 / 18.12.2004
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

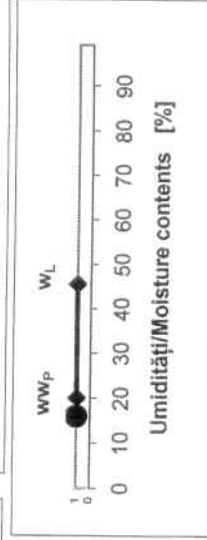
	U.M.	1	2	3
m 1	g	23,9	27,7	27,2
m 2	g	20,4	22,9	22,3
m 3	g	12,3	12,4	12,3
w	%	43,2	45,7	49,0
Nr de lovituri/No. of blows	-	35	27	13

	U.M.	1
m 1	g	42,8
m 2	g	39,7
m 3	g	24,2
W _P	%	20,0

W_P = 20,0 %



W_L = 45,5 %



	U.M.	1
m 1	g	223,7
m 2	g	198,0
m 3	g	38,0
W	%	16,1

W = 16,1 %

lc=	1,15
lp=	25,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 067

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1022 / 18.12.2008

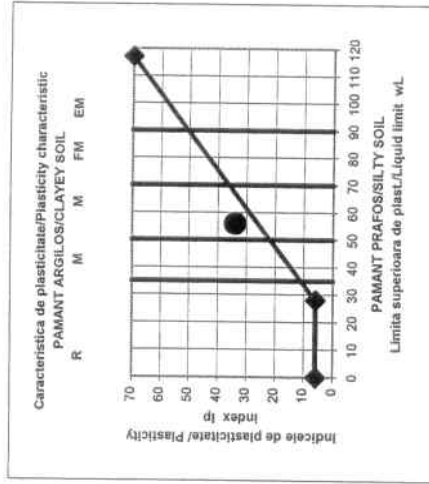
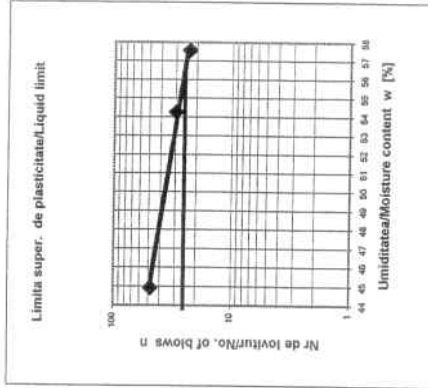
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,8	22,7	27,1
m 2	g	16,7	17,6	21,4
m 3	g	9,8	8,2	11,5
w	%	44,9	54,3	57,6
Nr de lovituri/No. of blows	-	48	30	23

	U.M.	1
m 1	g	39,7
m 2	g	36,4
m 3	g	21,5
Wp	%	22,1

Wp = 22,1 %

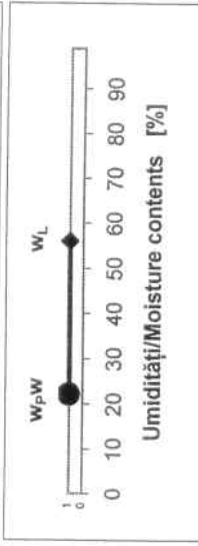


	U.M.	1
m 1	g	212,6
m 2	g	180,4
m 3	g	36,0
w	%	22,3

w = 22,3 %

lc =	1,00
lp =	33,9 %

wL = 56,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. GARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 068
 Cota/Depth: -0,70 m

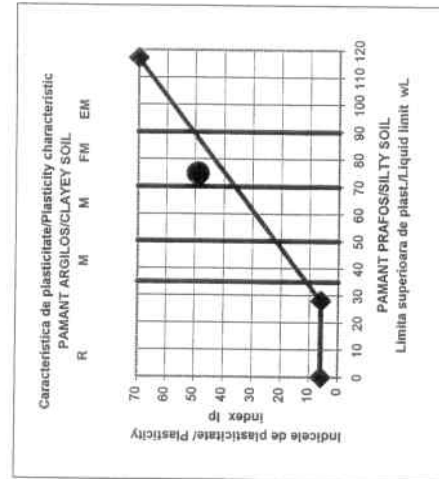
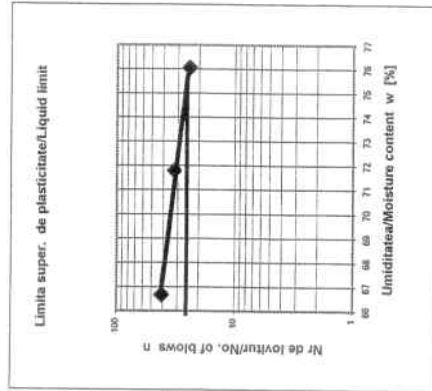
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11023 / 18/2.2004
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,7	23,5	25,5
m 2	g	14,3	17,9	20,1
m 3	g	7,7	10,1	13,0
w	%	66,7	71,8	76,1
Nr de lovituri/No. of blows	-	41	32	24

	U.M.	1
m 1	g	44,0
m 2	g	39,8
m 3	g	23,7
W _p	%	26,1

W_p = 26,1 %

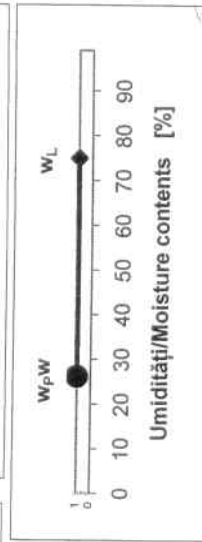


	U.M.	1
m 1	g	180,9
m 2	g	150,6
m 3	g	35,2
w	%	26,3

w = 26,3 %

I _c =	1,00
I _p =	48,9 %

W_L = 75,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

[Signature]
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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 069
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1024 / 1.18.12.2008

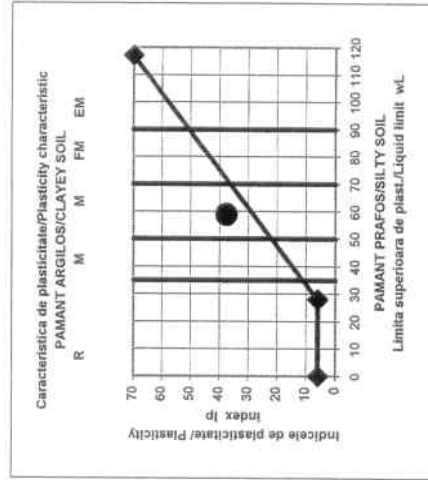
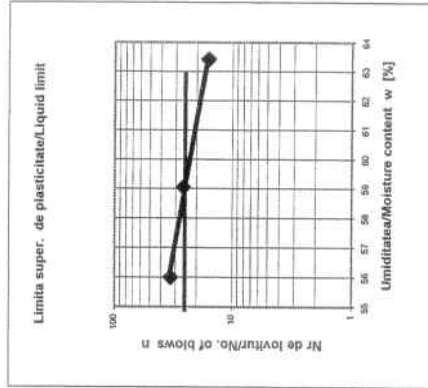
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	30,8	29,0	21,5
m 2	g	26,6	22,8	16,3
m 3	g	19,1	12,3	8,1
w	%	56,0	59,0	63,4
Nr de lovituri/No. of blows	-	33	26	16

	U.M.	1
m 1	g	60,9
m 2	g	58,0
m 3	g	44,5
Wp	%	21,5

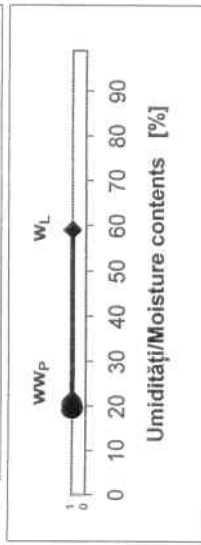
Wp = 21,5 %



	U.M.	1
m 1	g	176,6
m 2	g	153,9
m 3	g	38,9
w	%	19,7

w = 19,7 %

lc = 1,05
lp = 37,5 %



Wl = 59,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)
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S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 070
 Cota/Depth: -0,70 m

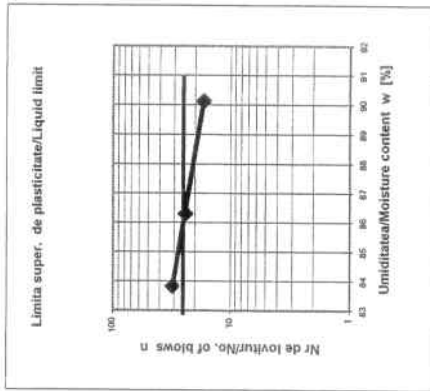
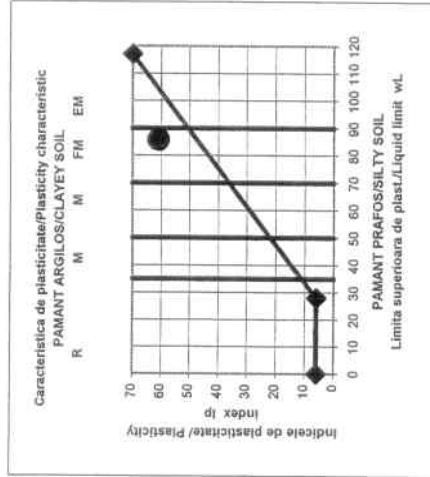
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11025 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,4	32,9	32,0
m 2	g	16,7	26,6	24,7
m 3	g	9,9	19,3	16,6
W	%	83,8	86,3	90,1
Nr de lovituri/No. of blows	-	31	24	17

	U.M.	1
m 1	g	52,3
m 2	g	48,7
m 3	g	34,4
W _p	%	25,2

W_p = 25,2 %

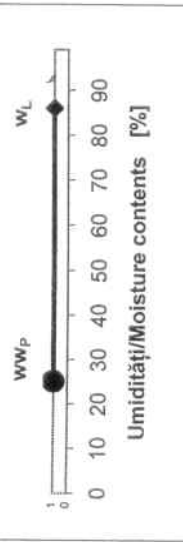


W_L = 86,0 %

	U.M.	1
m 1	g	229,4
m 2	g	190,6
m 3	g	36,5
W	%	25,2

W = 25,2 %

lc = 1,00
lp = 60,8 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘDARA

Autostrada - Task III
 Sondaj nr.: C / 071
 Cota/Depth: -2,00 m

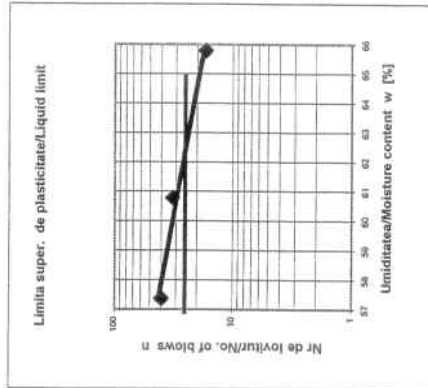
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11026 / 18.12.2004
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

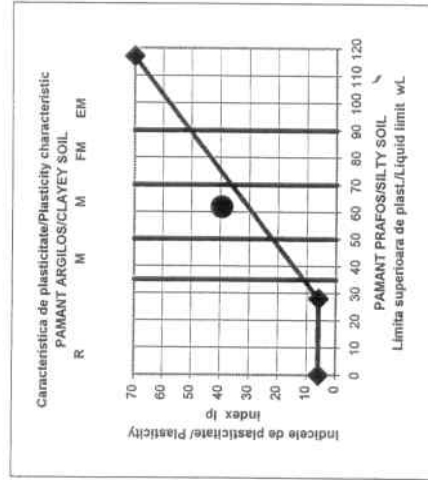
	U.M.	1	2	3
m 1	g	17,6	16,1	20,3
m 2	g	14,1	13,0	15,3
m 3	g	8,0	7,9	7,7
w	%	57,4	60,8	65,8
Nr de lovituri/No. of blows	-	40	32	17

	U.M.	1
m 1	g	34,6
m 2	g	31,8
m 3	g	19,4
WP	%	22,6

W_p = 22,6 %



W_L = 62,0 %



Ip = 1,03

	U.M.	1
m 1	g	186,1
m 2	g	160,0
m 3	g	37,6
w	%	21,3

W = 21,3 %

IC =	1,03
Ip =	39,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 072
Cota/Depth: -0,70 m

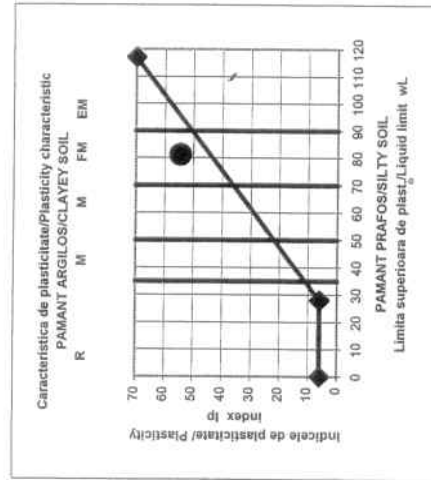
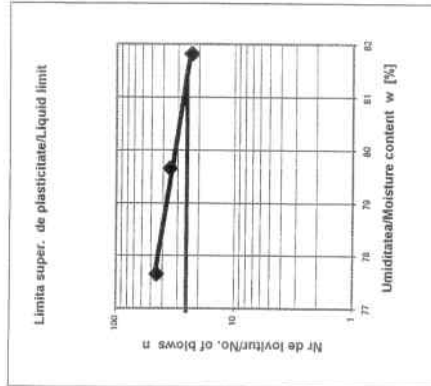
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11027 / 18 / 2.2004
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	27,4	22,9	28,4
m 2	g	20,8	18,2	21,2
m 3	g	12,3	12,3	12,4
W	%	77,6	79,7	81,8
Nr de lovituri/No. of blows	-	45	35	23

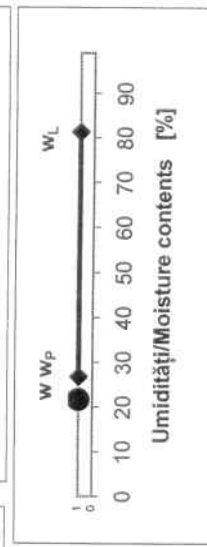
	U.M.	1
m 1	g	37,6
m 2	g	34,2
m 3	g	21,5
W _p	%	26,8

W_p = **26,8 %**



	U.M.	1
m 1	g	117,9
m 2	g	103,7
m 3	g	38,2
W	%	21,7

W = **21,7 %**



W_L = **81,3 %**

I _c = 1,09
I _p = 54,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]
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PO-101-01.06/8/10



S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 073
 Cota/Depth: -2,00 m

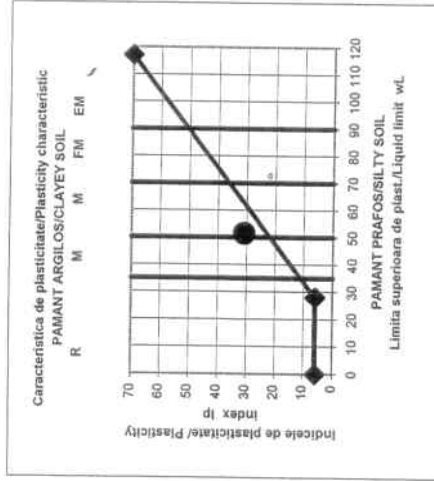
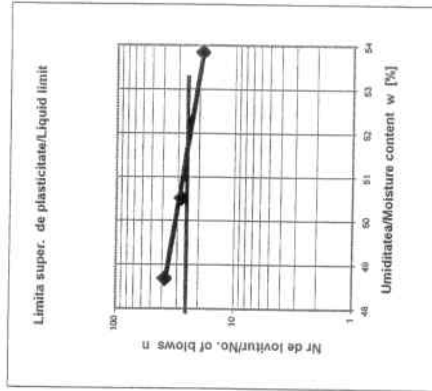
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11028 / 18.12.2008
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,1	24,5	24,3
m 2	g	18,4	19,6	20,1
m 3	g	10,8	9,9	12,3
w	%	48,7	50,5	53,8
Nr de lovituri/No. of blows	-	38	28	19

	U.M.	1
m 1	g	41,4
m 2	g	38,0
m 3	g	21,5
Wp	%	20,6

Wp = 20,6 %

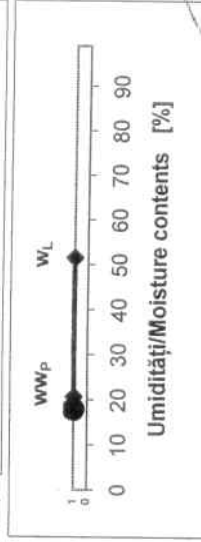


	U.M.	1
m 1	g	204,8
m 2	g	179,1
m 3	g	35,9
w	%	17,9

w = 17,9 %

lc =	1,09
lp =	30,9 %

W_L = 51,5 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 074

Cota/Depth: -0,70 m
18.12.2004

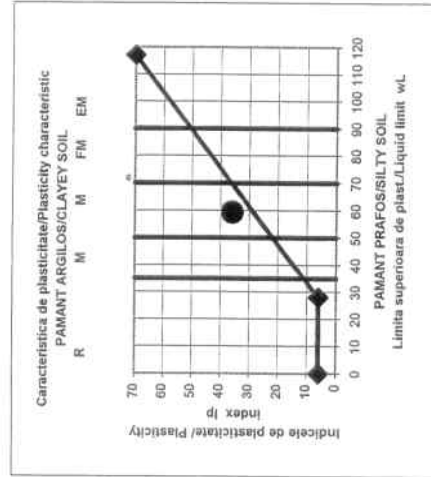
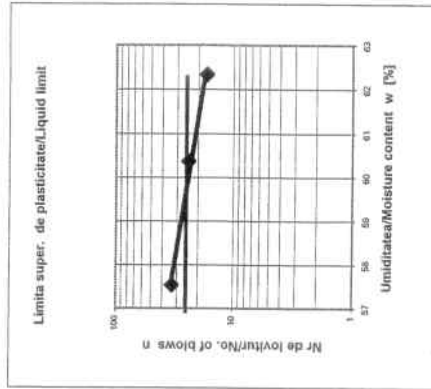
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,8	16,4	20,5
m 2	g	15,6	13,2	15,7
m 3	g	8,3	7,9	8,0
W	%	57,5	60,4	62,3
Nr de lovituri/No. of blows	-	33	24	17

	U.M.	1
m 1	g	40,0
m 2	g	37,0
m 3	g	24,3
W _p	%	23,6

W_p = 23,6 %

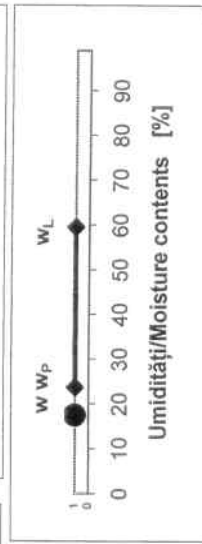


	U.M.	1
m 1	g	194,4
m 2	g	170,9
m 3	g	37,2
W	%	17,6

W = 17,6 %

lc = 1,17
lp = 35,9 %

W_L = 59,5 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)
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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11030 1.18.12.2008

DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

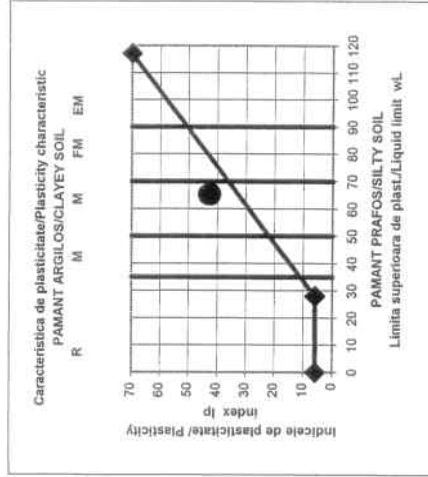
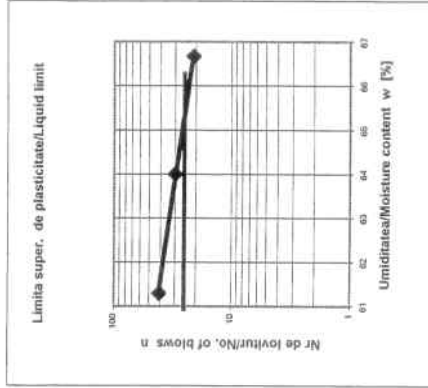
Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No 624/ISC-30.11.2004

Autostrada - Task I
Sondaj nr.: C / 075
Cota/Depth: -1,50 m

	U.M.	1	2	3
m 1	g	19,9	20,8	23,8
m 2	g	16,1	17,6	19,2
m 3	g	9,9	12,6	12,3
W	%	61,3	64,0	66,7
Nr de lovituri/No. of blows	-	41	30	21

	U.M.	1
m 1	g	23,3
m 2	g	20,8
m 3	g	9,8
W _P	%	22,7

W_P = 22,7 %

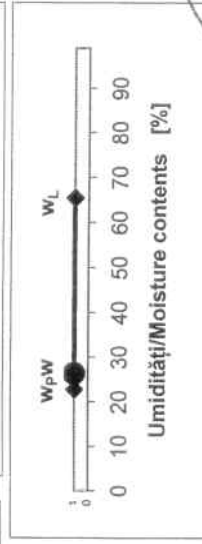


	U.M.	1
m 1	g	153,0
m 2	g	128,5
m 3	g	35,6
W	%	26,4

W = 26,4 %

lc=	0,91
lp=	42,7 %

W_L = 65,4 %



Sef profil: Dr. ing. Ioan Petru BOLDUREAN
Sef laborator: Dr. ing. Ion BOGDAN

PO-101-01.06/8/10

Pag. 1/1



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task I
Sondaj nr.: C / 076
Cota/Depth: -1,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11031 / 18/12/2008

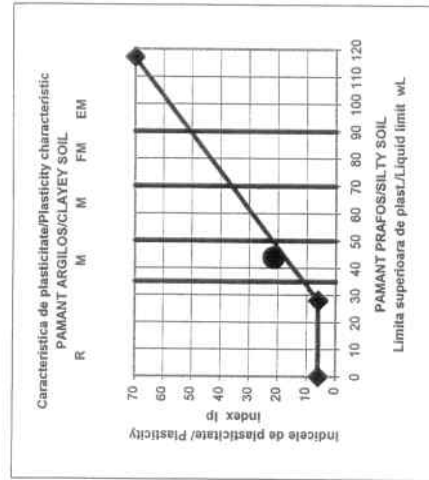
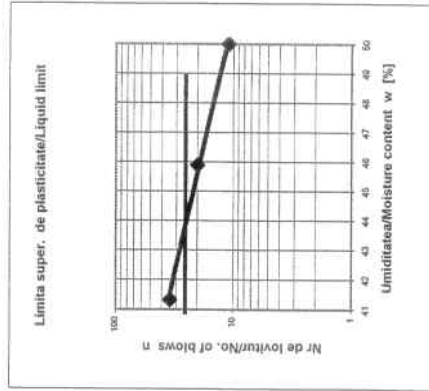
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,6	20,5	22,9
m 2	g	15,5	16,6	17,9
m 3	g	8,0	8,1	7,9
W	%	41,3	45,9	50,0
Nr de lovituri/No. of blows	-	34	20	11

	U.M.	1
m 1	g	43,8
m 2	g	39,7
m 3	g	21,6
W _P	%	22,7

W_P = 22,7 %

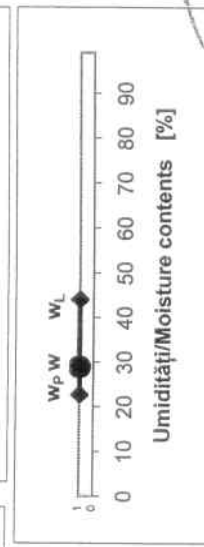


	U.M.	1
m 1	g	168,7
m 2	g	139,1
m 3	g	37,0
W	%	29,0

W = 29,0 %

lc=	0,70
lp=	21,3 %

W_L = 44,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef Laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task I
Sondaj nr.: C / 077
Cota/Depth: -1,00 m

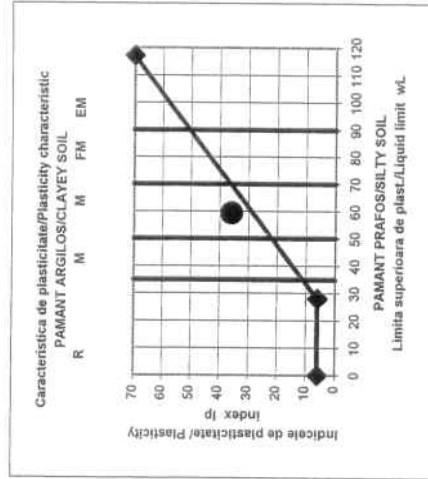
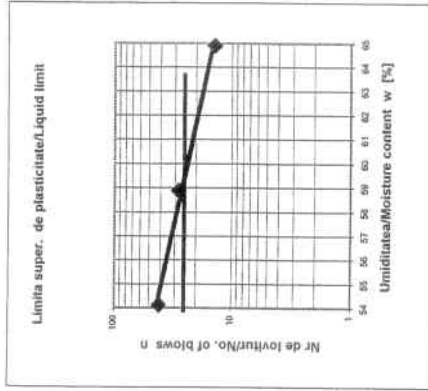
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11032 / 1.18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

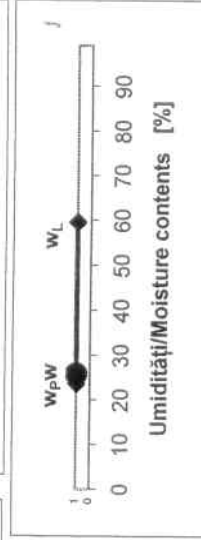
	U.M.	1	2	3
m 1	g	21,0	29,9	31,2
m 2	g	16,4	23,6	23,8
m 3	g	7,9	12,9	12,4
w	%	54,1	58,9	64,9
Nr de lovituri/No. of blows	-	41	28	14

	U.M.	1
m 1	g	52,2
m 2	g	48,8
m 3	g	34,4
Wp	%	23,6

Wp = 23,6 %



Wl = 59,5 %



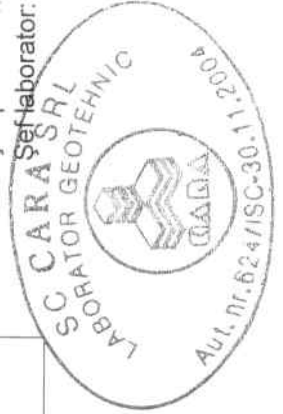
	U.M.	1
m 1	g	206,3
m 2	g	172,1
m 3	g	40,0
w	%	25,9

w = 25,9 %

Ic = 0,94
Ip = 35,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task I
Sondaj nr.: C / 078
Cota/Depth: -1,00 m

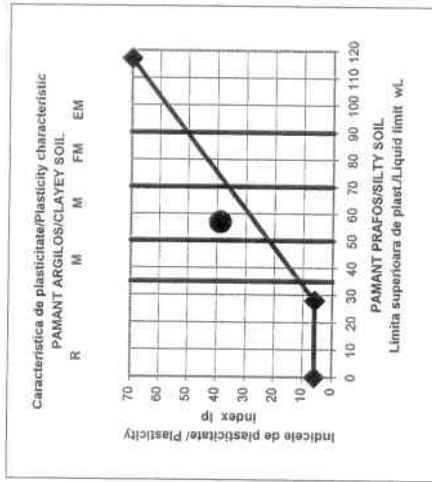
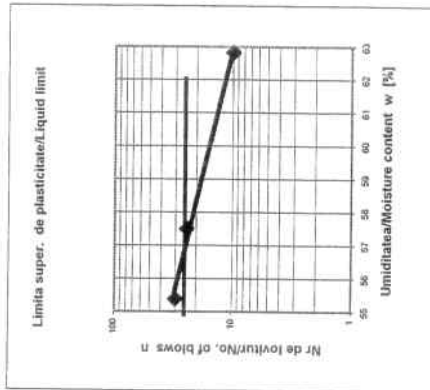
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11033 / 18-12-2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,2	20,6	20,5
m 2	g	14,6	16,0	15,6
m 3	g	8,1	8,0	7,8
w	%	55,4	57,5	62,8
Nr de lovituri/No. of blows	-	30	24	10

	U.M.	1
m 1	g	36,7
m 2	g	34,7
m 3	g	23,7
Wp	%	18,2

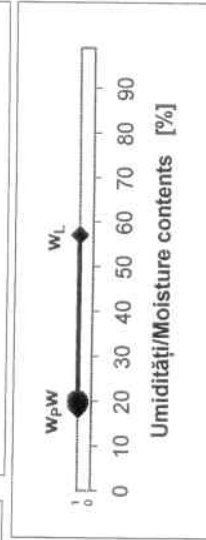
$W_p = 18,2 \%$



	U.M.	1
m 1	g	148,8
m 2	g	130,0
m 3	g	35,7
w	%	19,9

$w = 19,9 \%$

$I_c = 0,95$
$I_p = 38,8 \%$



$w_L = 57,0 \%$

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task I
Sondaj nr.: C / 079
Cota/Depth: -1,30 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1034 / 1.18.12.2008

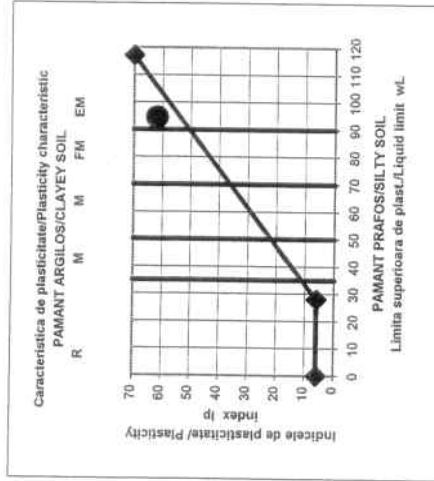
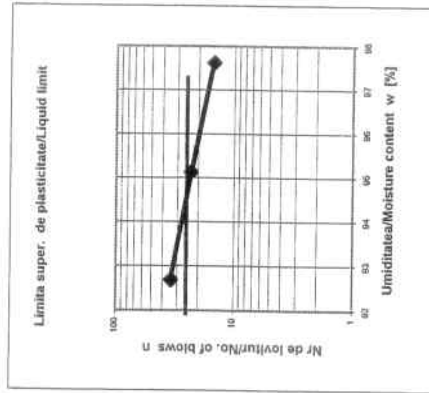
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	15,8	16,2	16,2
m 2	g	12,0	12,3	12,1
m 3	g	7,9	8,2	7,9
w	%	92,7	95,1	97,6
Nr de lovituri/No. of blows	-	34	23	15

	U.M.	1
m 1	g	40,1
m 2	g	36,2
m 3	g	24,3
W _p	%	32,8

W_p = **32,8 %**

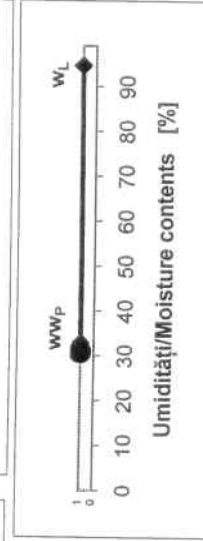


	U.M.	1
m 1	g	156,7
m 2	g	128,2
m 3	g	36,0
w	%	30,9

w = **30,9 %**

Ic = 1,03
Ip = 61,8 %

W_L = 94,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

Pag. 1/1



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task I
Sondaj nr.: C / 080
Cota/Depth: -1,30 m

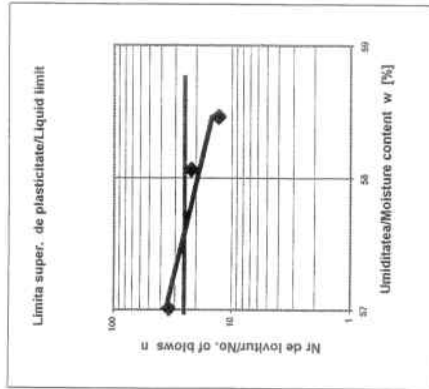
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 110351.18.12.2004
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

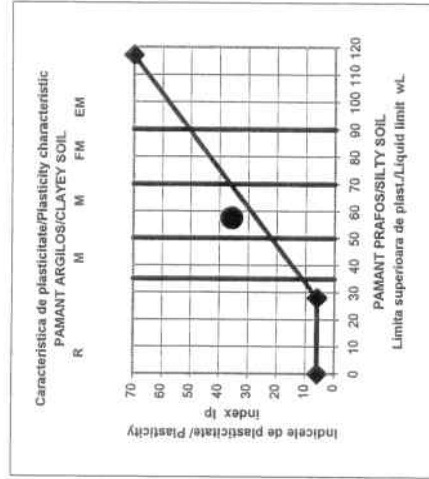
	U.M.	1	2	3
m 1	g	24,9	17,7	18,4
m 2	g	18,8	14,1	14,6
m 3	g	8,1	7,9	8,1
w	%	57,0	58,1	58,5
Nr de lovituri/No. of blows	-	34	22	13

	U.M.	1
m 1	g	33,3
m 2	g	30,8
m 3	g	19,4
Wp	%	21,9

Wp = 21,9 %



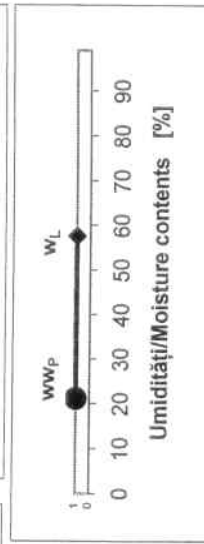
w_L = 57,6 %



	U.M.	1
m 1	g	141,6
m 2	g	123,1
m 3	g	36,0
w	%	21,2

w = 21,2 %

lc = 1,02
lp = 35,7 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task I
Sondaj nr.: C / 081

Cota/Depth: -1,60 m

110361.18.12.2004

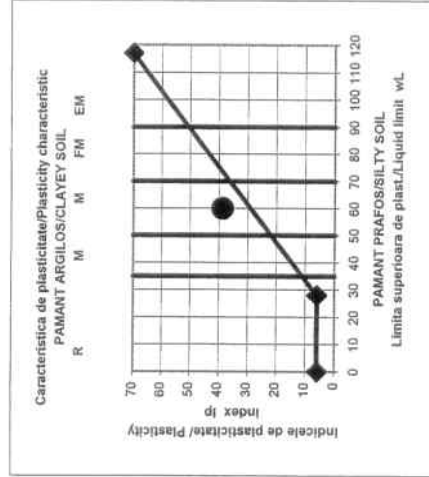
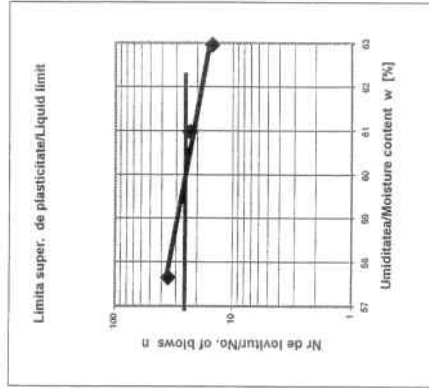
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	21,3	21,1	21,1
m 2	g	16,4	16,1	16,0
m 3	g	7,9	7,9	7,9
W	%	57,6	61,0	63,0
Nr de lovituri/No. of blows	-	35	23	15

	U.M.	1
m 1	g	43,6
m 2	g	40,1
m 3	g	23,7
W _P	%	21,3

W_P = 21,3 %

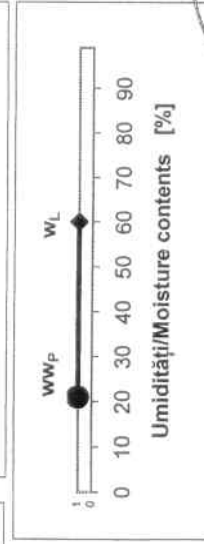


	U.M.	1
m 1	g	195,8
m 2	g	168,1
m 3	g	36,4
W	%	21,0

W = 21,0 %

IC = 1,01
Ip = 38,7 %

W_L = 60,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]

PO-101-01.06/8/10





S.C. GARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task I
 Sondaj nr.: C / 082
 Cota/Depth: -2,00 m

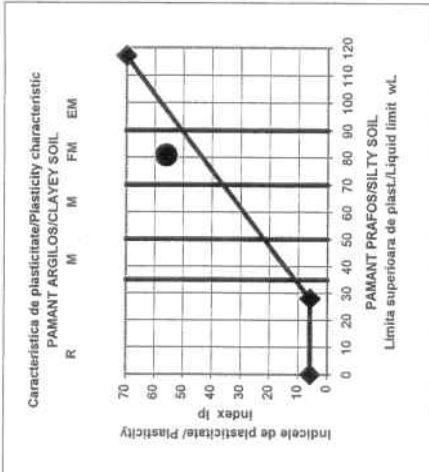
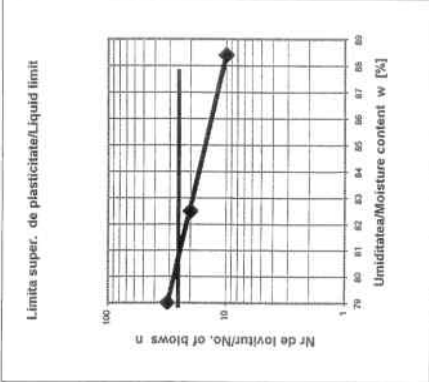
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11037/18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

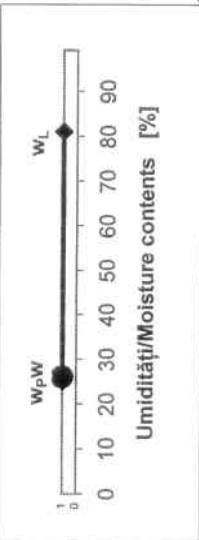
	U.M.	1	2	3
m 1	g	22,6	22,6	21,2
m 2	g	16,2	16,0	15,1
m 3	g	8,1	8,0	8,2
w	%	79,0	82,5	88,4
Nr de lovituri/No. of blows	-	31	20	10

	U.M.	1
m 1	g	38,7
m 2	g	35,7
m 3	g	23,7
Wp	%	25,0

Wp = 25,0 %



WL = 81,0 %



Umiditați/Moisture contents [%]

	U.M.	1
m 1	g	150,4
m 2	g	127,2
m 3	g	38,4
w	%	26,1

w = 26,1 %

lc = 0,98
lp = 56,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task I
Sondaj nr.: C / 083
Cota/Depth: -1,35 m

BULETIN DE ANALIZĂ nr. 11038/18.12.2008

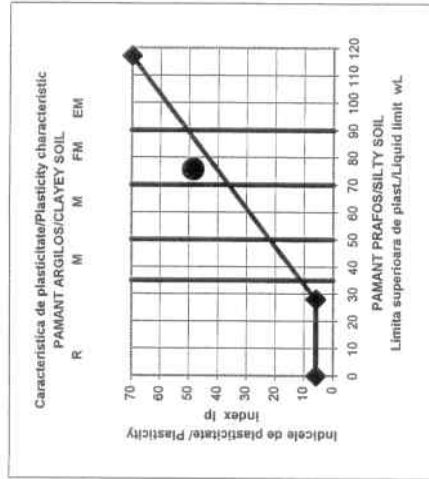
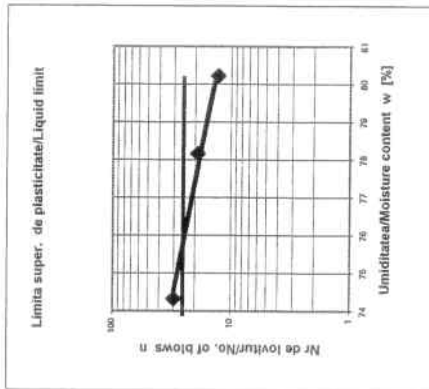
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

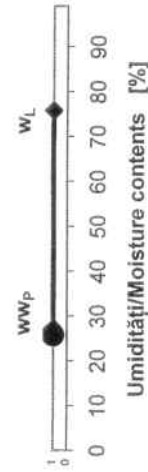
	U.M.	1	2	3
m 1	g	21,0	23,4	24,7
m 2	g	15,5	16,6	17,4
m 3	g	8,1	7,9	8,3
W	%	74,3	78,2	80,2
Nr de lovituri/No. of blows	-	30	19	13

	U.M.	1
m 1	g	34,7
m 2	g	31,4
m 3	g	19,3
W _P	%	27,3

W_P = 27,3 %



w_L = 75,8 %



	U.M.	1
m 1	g	157,5
m 2	g	132,9
m 3	g	37,6
W	%	25,8

W = 25,8 %

Ic = 1,03
Ip = 48,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task I
 Sondaj nr.: C / 085

Cota/Depth: -1,25 m
 1039 / 18.12.2008

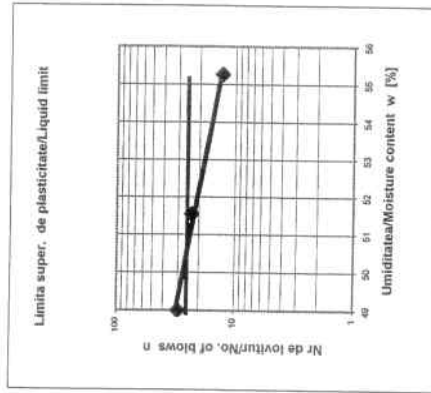
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

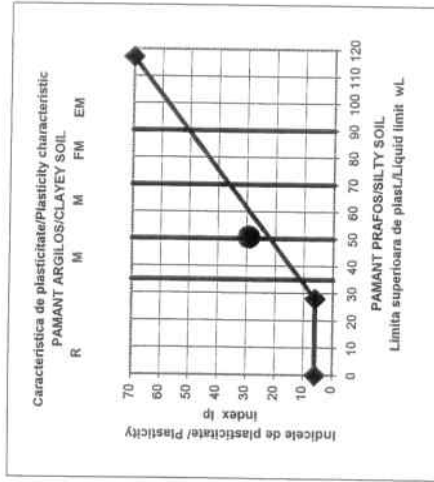
	U.M.	1	2	3
m 1	g	22,8	22,5	27,5
m 2	g	17,9	17,5	21,2
m 3	g	7,9	7,8	9,8
w	%	49,0	51,5	55,3
Nr de lovituri/No. of blows	-	30	23	13

	U.M.	1
m 1	g	43,0
m 2	g	39,2
m 3	g	21,5
Wp	%	21,5

Wp = 21,5 %



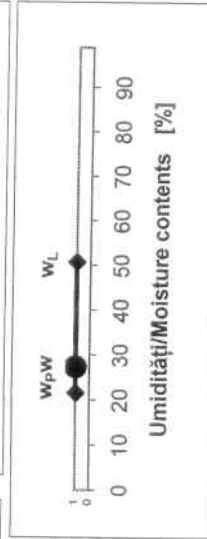
wL = 50,7 %



	U.M.	1
m 1	g	196,5
m 2	g	162,0
m 3	g	36,0
W	%	27,4

W = 27,4 %

IC = 0,80
Ip = 29,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task I

Sondaj nr.: C / 086

Cota/Depth: -1,25 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11040 / 1.18.12.2008

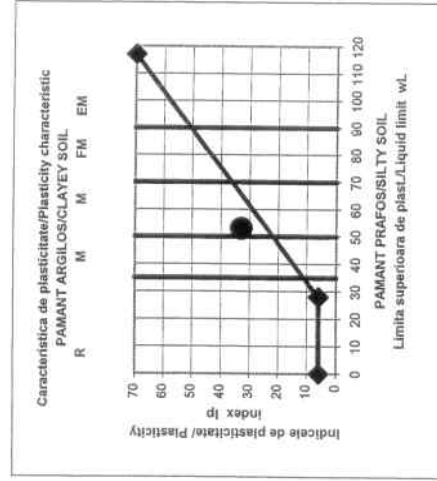
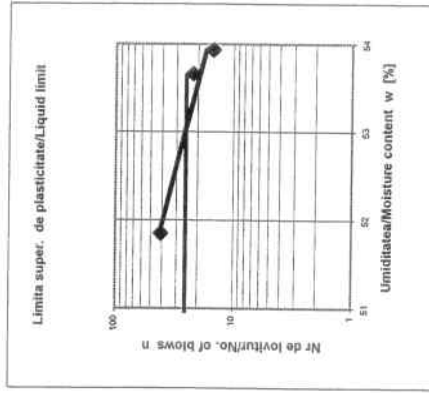
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,5	14,3	26,1
m 2	g	13,7	12,1	21,3
m 3	g	8,3	8,0	12,4
w	%	51,9	53,7	53,9
Nr de lovituri/No. of blows	-	41	22	15

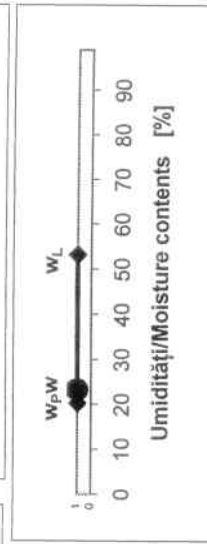
	U.M.	1
m 1	g	48,7
m 2	g	46,3
m 3	g	34,4
WP	%	20,2

W_p = 20,2 %



	U.M.	1
m 1	g	220,5
m 2	g	185,7
m 3	g	36,4
W	%	23,3

W = 23,3 %



W_L = 53,1 %

Ic = 0,90
Ip = 32,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 087
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. 1104 / ANALYSIS REPORT no. 118.12.2008

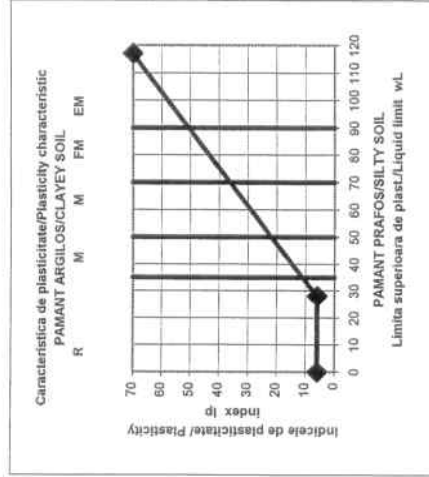
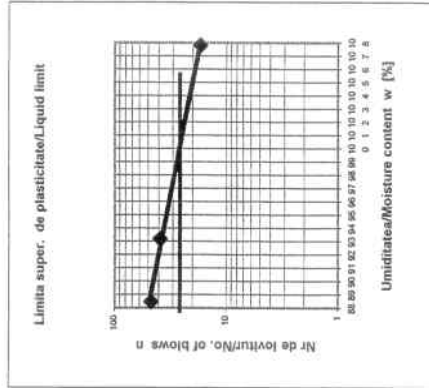
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,2	20,9	25,7
m 2	g	17,6	16,8	18,8
m 3	g	12,4	12,4	12,4
W	%	88,5	93,2	107,8
Nr de lovituri/No. of blows	-	47	39	17

	U.M.	1
m 1	g	62,0
m 2	g	58,0
m 3	g	44,4
W _P	%	29,4

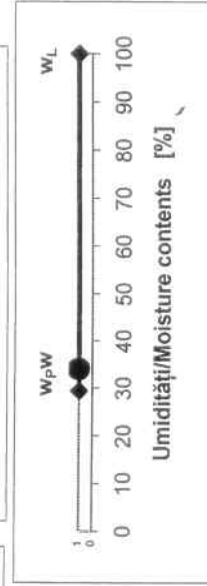
W_P = 29,4 %



	U.M.	1
m 1	g	215,4
m 2	g	171,3
m 3	g	42,2
W	%	34,2

W = 34,2 %

I_c = 0,93
I_p = 70,6 %



W_L = 100,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 088
 Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11042.1.18/2.2008

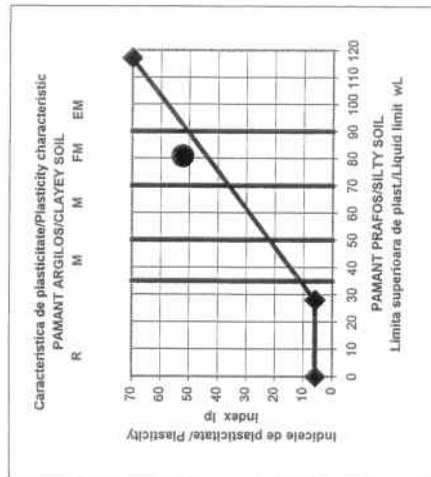
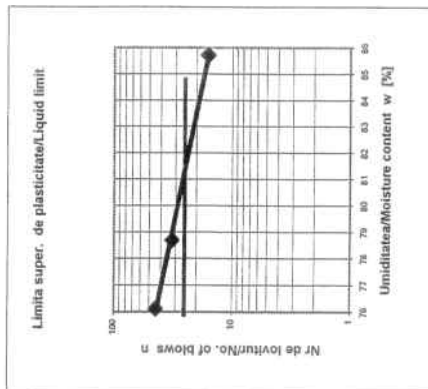
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	23,4	18,9	19,8
m 2	g	18,3	14,1	14,4
m 3	g	11,6	8,0	8,1
W	%	76,1	78,7	85,7
Nr de lovituri/No. of blows	-	44	32	16

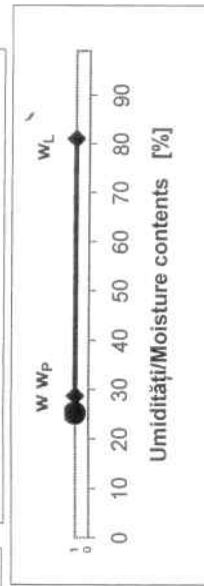
	U.M.	1
m 1	g	51,0
m 2	g	47,3
m 3	g	34,4
W _P	%	28,7

W_P = 28,7 %



	U.M.	1
m 1	g	151,8
m 2	g	128,9
m 3	g	38,4
W	%	25,3

W = 25,3 %



W_L = 81,0 %

lc=	1,06
lp=	52,3 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 089
Cota/Depth: -2,00 m

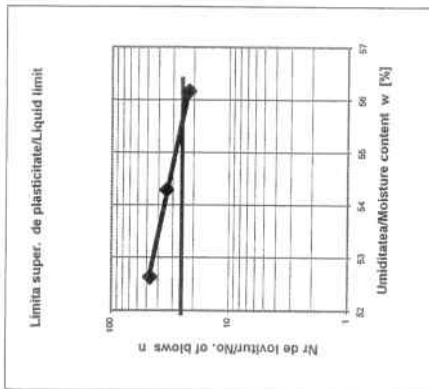
BULETIN DE ANALIZĂ nr. 11043 / ANALYSIS REPORT no. 118/12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

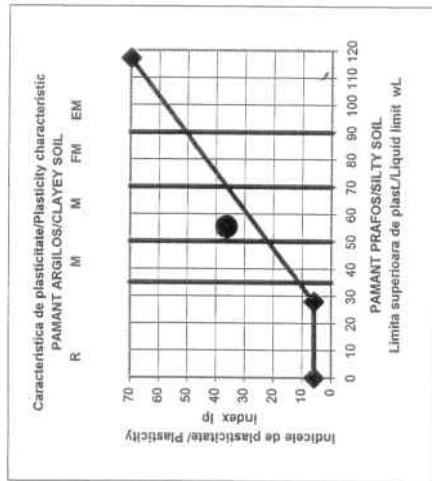
	U.M.	1	2	3
m 1	g	19,5	19,0	19,4
m 2	g	15,5	15,2	15,3
m 3	g	7,9	8,2	8,0
W	%	52,6	54,3	56,2
Nr de lovituri/No. of blows	-	47	34	22

	U.M.	1
m 1	g	40,2
m 2	g	37,2
m 3	g	21,6
W _P	%	19,2

W_P = 19,2 %



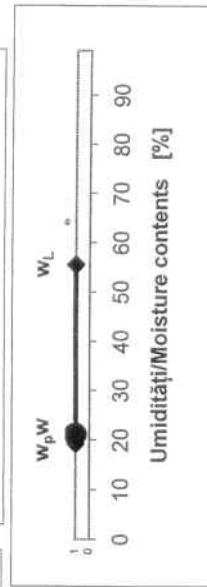
W_L = 55,5 %



	U.M.	1
m 1	g	160,5
m 2	g	139,1
m 3	g	38,0
W	%	21,2

W = 21,2 %

IC = 0,95
Ip = 36,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.G. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 090
Cota/Depth: -0,50 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1104Y.1.18.12-2004

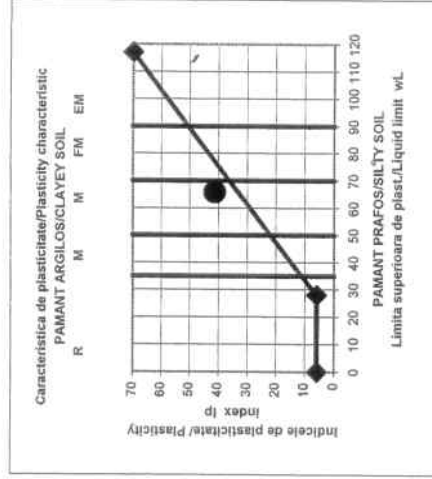
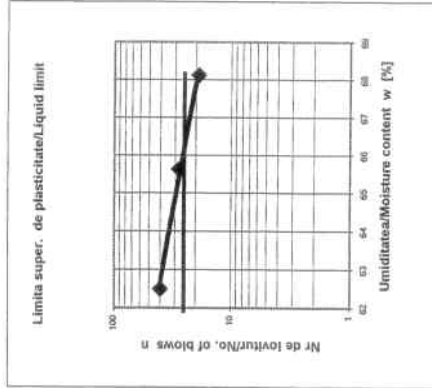
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,5	19,0	19,6
m 2	g	15,0	14,8	14,9
m 3	g	7,8	8,4	8,0
w	%	62,5	65,6	68,1
Nr de lovituri/No. of blows	-	40	28	19

	U.M.	1
m 1	g	39,3
m 2	g	36,3
m 3	g	24,2
w _p	%	24,8

w_p = 24,8 %

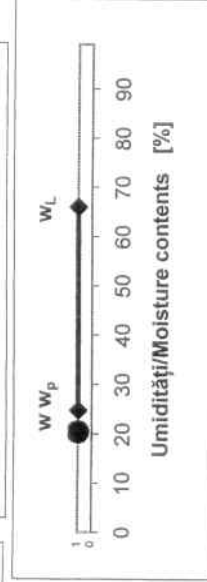


	U.M.	1
m 1	g	182,3
m 2	g	157,8
m 3	g	38,6
w	%	20,6

w = 20,6 %

lc =	1,10
lp =	41,2 %

w_L = 66,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 091
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11095 / 18.12.2004

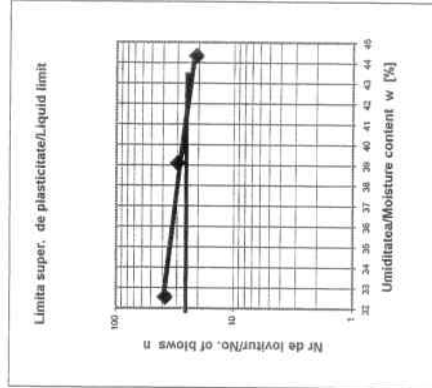
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

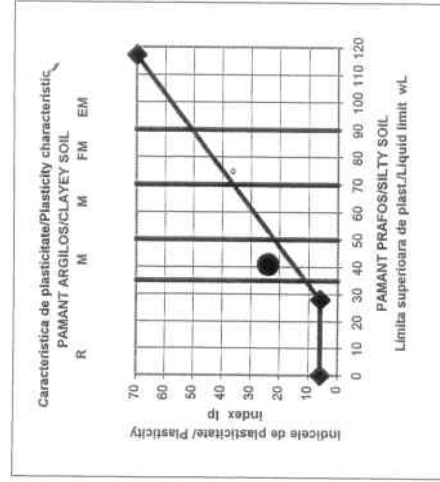
	U.M.	1	2	3
m 1	g	19,3	25,3	25,5
m 2	g	16,5	21,0	21,2
m 3	g	7,9	10,0	11,5
w	%	32,6	39,1	44,3
Nr de lovituri/No. of blows	-	38	30	21

	U.M.	1
m 1	g	38,7
m 2	g	36,6
m 3	g	24,3
Wp	%	17,1

Wp = 17,1 %



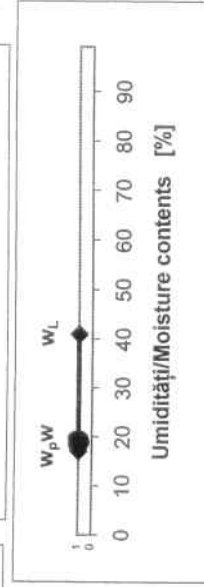
wL = 41,0 %



	U.M.	1
m 1	g	343,3
m 2	g	295,0
m 3	g	42,4
w	%	19,1

w = 19,1 %

Ic = 0,91
Ip = 23,9 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef Laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 092
 Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11046/18.12.2004

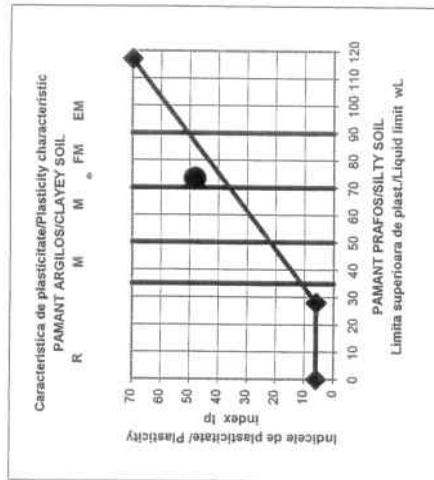
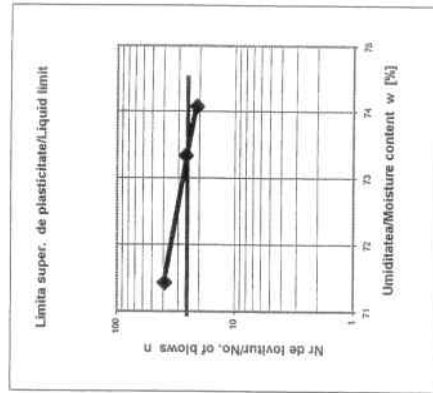
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	17,4	18,6	24,0
m 2	g	13,4	14,2	18,0
m 3	g	7,8	8,2	9,9
w	%	71,4	73,3	74,1
Nr de lovituri/No. of blows	-	39	26	21

	U.M.	1
m 1	g	49,8
m 2	g	46,7
m 3	g	34,4
Wp	%	25,2

Wp = 25,2 %

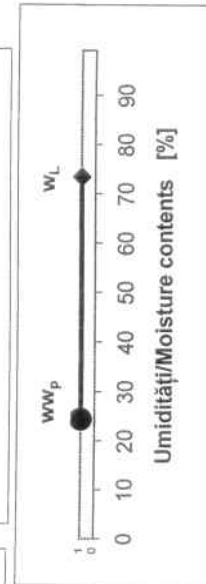


	U.M.	1
m 1	g	168,0
m 2	g	142,4
m 3	g	37,6
w	%	24,4

w = 24,4 %

lc = 1,02
lp = 48,2 %

wL = 73,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘDARA

Autostrada - Task III
 Sondaj nr.: C / 095
 Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. 1 / ANALYSIS REPORT no. 11047-1.18.12.2004

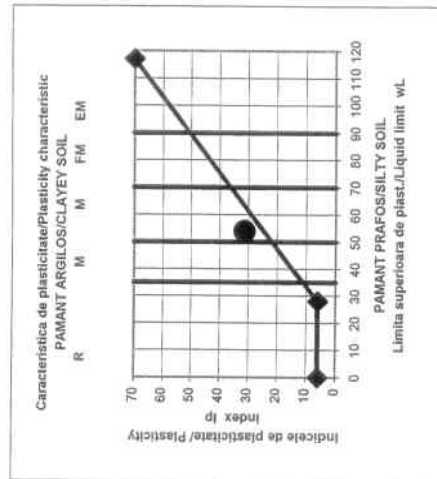
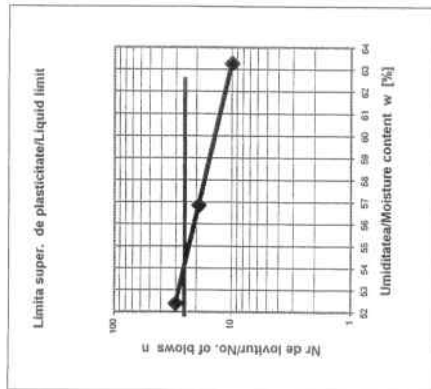
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	14,3	15,9	16,1
m 2	g	12,1	13,0	13,0
m 3	g	7,9	7,9	8,1
W	%	52,4	56,9	63,3
Nr de lovituri/No. of blows	-	30	19	10

	U.M.	1
m 1	g	37,3
m 2	g	34,4
m 3	g	21,6
Wp	%	22,7

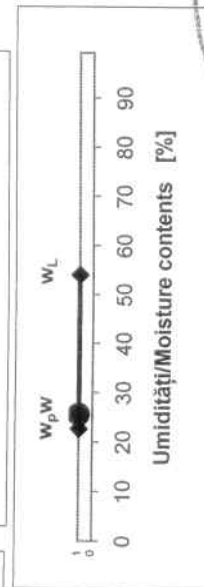
Wp = 22,7 %



	U.M.	1
m 1	g	211,0
m 2	g	176,1
m 3	g	39,8
W	%	25,6

W = 25,6 %

lc= 0,91
lp= 31,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 096
Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11048 / 1.18.12.2008

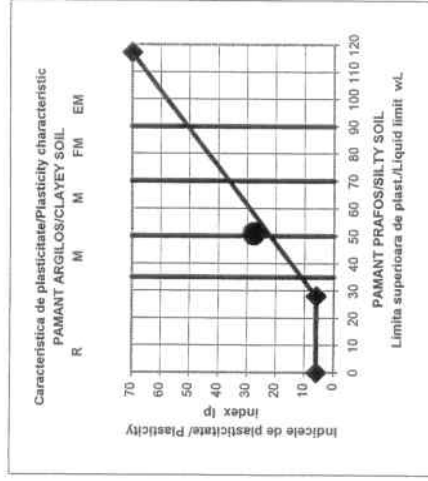
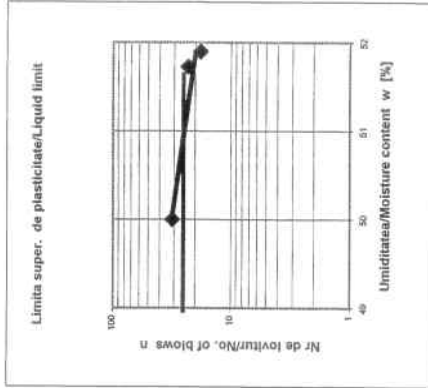
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,6	21,8	24,5
m 2	g	16,4	18,8	20,4
m 3	g	10,0	13,0	12,5
W	%	50,0	51,7	51,9
Nr de lovituri/No. of blows	-	31	23	18

	U.M.	1
m 1	g	43,4
m 2	g	39,5
m 3	g	22,7
W _p	%	23,2

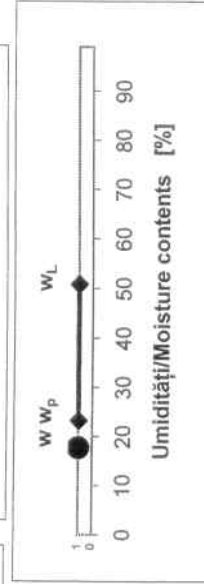
W_p = 23,2 %



	U.M.	1
m 1	g	192,1
m 2	g	168,6
m 3	g	36,6
W	%	17,8

W = 17,8 %

Ic = 1,20
Ip = 27,7 %



W_L = 50,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 097
Cota/Depth: -2,00 m

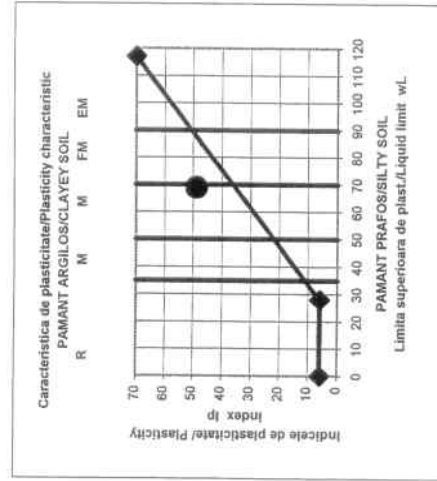
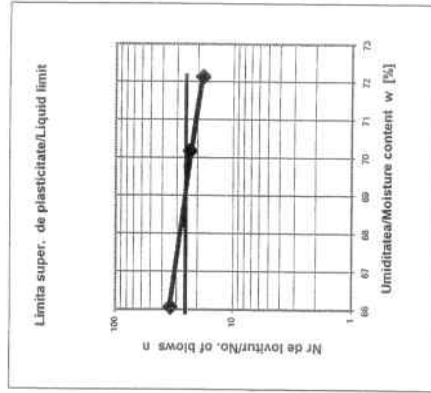
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11099 / 18/12-2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	17,2	17,8	18,4
m 2	g	13,5	13,8	14,0
m 3	g	7,9	8,1	7,9
w	%	66,1	70,2	72,1
Nr de lovituri/No. of blows	-	34	23	18

	U.M.	1
m 1	g	38,3
m 2	g	35,7
m 3	g	22,8
Wp	%	20,2

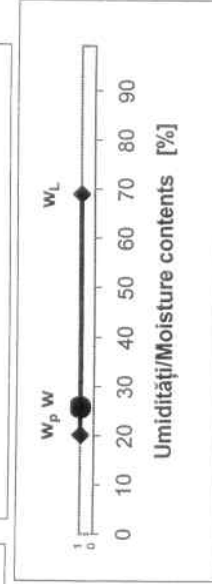
Wp = 20,2 %



	U.M.	1
m 1	g	158,8
m 2	g	133,8
m 3	g	37,3
w	%	25,9

w = 25,9 %

lc = 0,88
lp = 48,8 %



WL = 69,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)

Pag. 1/1





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 098
Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. 1 / ANALYSIS REPORT no. 110001118/2.2008

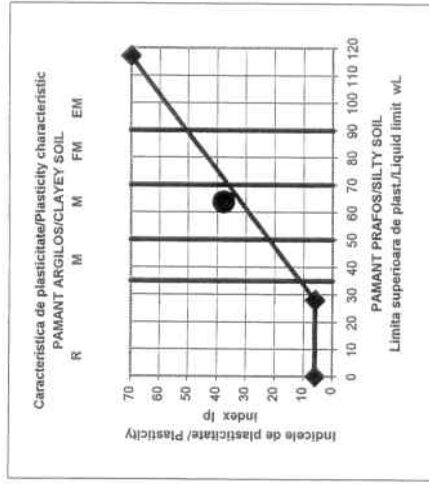
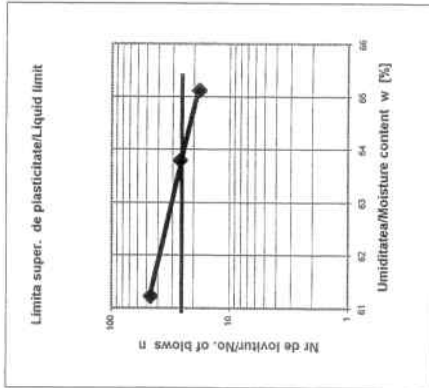
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	15,8	17,3	15,0
m 2	g	12,8	13,6	12,2
m 3	g	7,9	7,8	7,9
w	%	61,2	63,8	65,1
Nr de lovituri/No. of blows	-	46	26	18

	U.M.	1
m 1	g	37,6
m 2	g	34,3
m 3	g	21,6
w _p	%	26,0

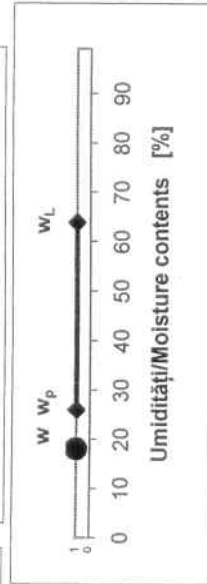
w_p = 26,0 %



	U.M.	1
m 1	g	183,4
m 2	g	161,2
m 3	g	38,6
w	%	18,1

w = 18,1 %

lc = 1,21
lp = 37,8 %



w_L = 63,8 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 099
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11057 / 1.18.12.2004

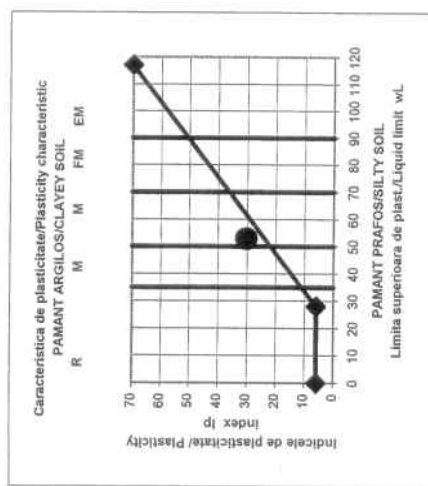
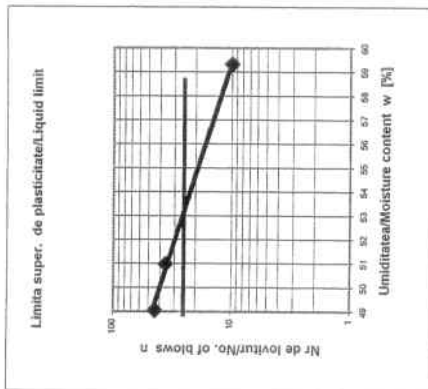
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,1	15,7	17,5
m 2	g	13,5	13,1	14,0
m 3	g	8,2	8,0	8,1
w	%	49,1	51,0	59,3
Nr de lovituri/No. of blows	-	44	36	10

	U.M.	1
m 1	g	39,3
m 2	g	36,5
m 3	g	24,2
Wp	%	22,8

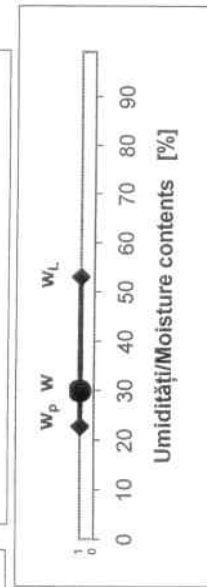
Wp = 22,8 %



	U.M.	1
m 1	g	157,1
m 2	g	129,9
m 3	g	39,2
w	%	30,0

w = 30,0 %

lc = 0,76
lp = 30,2 %



wL = 53,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

Pag. 1/1

PO-101-01.06/8/10





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostirada - Task III
Sondaj nr.: C / 100
Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11052 / 18.12.2008

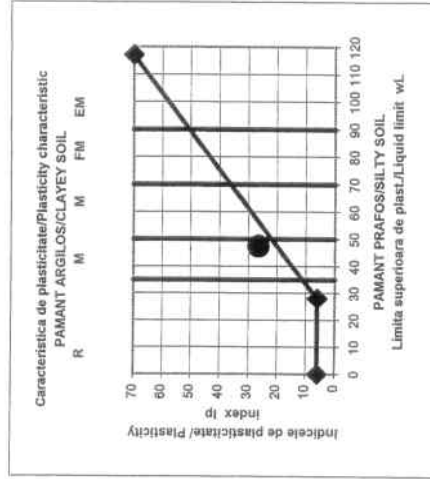
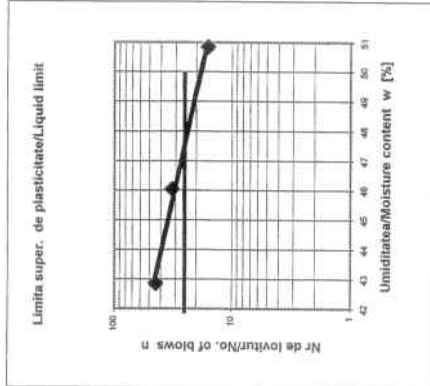
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	20,3	19,0	16,8
m 2	g	16,7	15,5	13,8
m 3	g	8,3	7,9	7,9
w	%	42,9	46,1	50,8
Nr de lovituri/No. of blows	-	44	32	16

	U.M.	1
m 1	g	34,7
m 2	g	32,4
m 3	g	21,5
Wp	%	21,1

Wp = 21,1 %

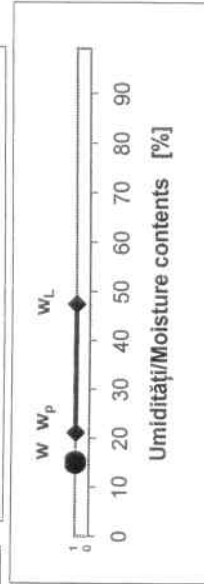


	U.M.	1
m 1	g	194,7
m 2	g	173,9
m 3	g	36,3
w	%	15,1

w = 15,1 %

lc = 1,23
lp = 26,4 %

wL = 47,5 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 101
 Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. 11053 / ANALYSIS REPORT no. 11812-2004

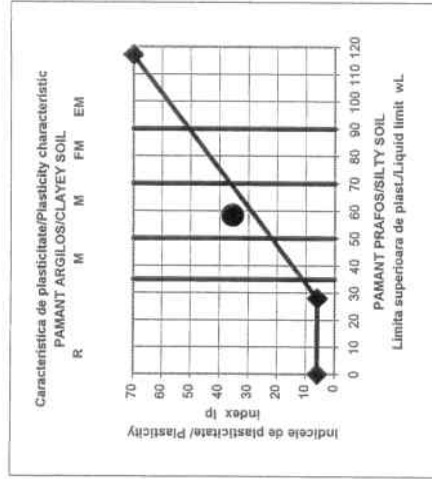
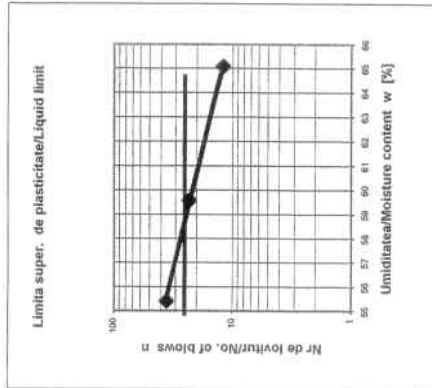
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

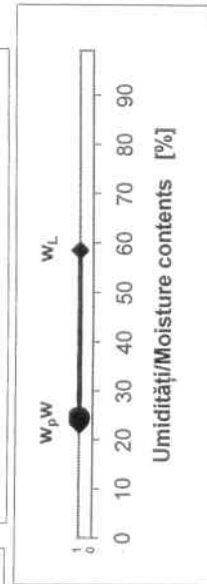
	U.M.	1	2	3
m 1	g	19,7	15,7	18,5
m 2	g	15,6	12,9	14,4
m 3	g	8,2	8,2	8,1
W	%	55,4	59,6	65,1
Nr de lovituri/No. of blows	-	36	23	12

	U.M.	1
m 1	g	62,0
m 2	g	58,7
m 3	g	44,4
W _P	%	23,1

W_P = 23,1 %



W_L = 58,5 %



	U.M.	1
m 1	g	185,5
m 2	g	156,6
m 3	g	38,7
W	%	24,5

W = 24,5 %

lc = 0,96
lp = 35,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 102
Cota/Depth: -0,80 m

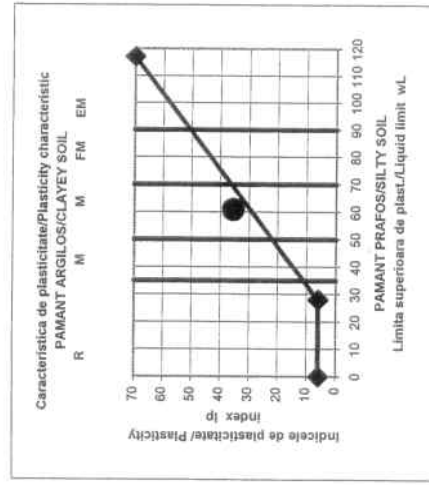
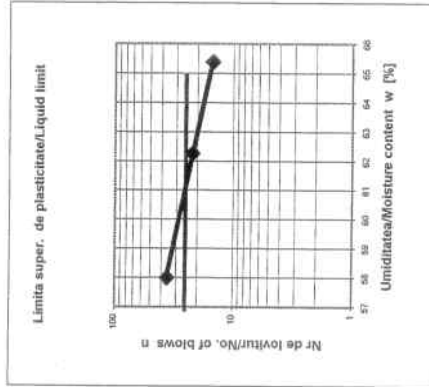
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11054 / R.12-2004
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	15,8	16,4	16,5
m 2	g	12,9	13,1	13,1
m 3	g	7,9	7,8	7,9
w	%	58,0	62,3	65,4
Nr de lovituri/No. of blows	-	36	22	15

	U.M.	1
m 1	g	39,4
m 2	g	36,2
m 3	g	23,7
Wp	%	25,6

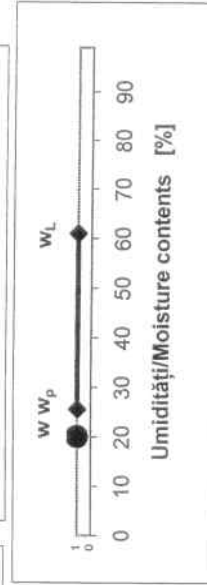
Wp = 25,6 %



	U.M.	1
m 1	g	188,0
m 2	g	162,8
m 3	g	37,5
w	%	20,1

w = 20,1 %

lc = 1,16
lp = 35,4 %



wL = 61,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 103

Cota/Depth: -2,00 m
11.05.18.12.2004

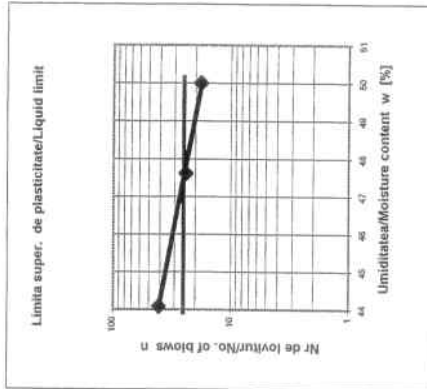
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

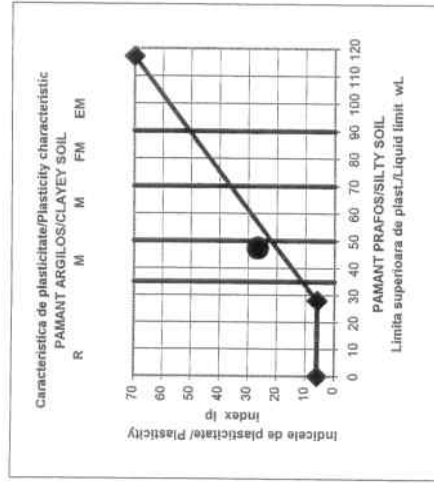
	U.M.	1	2	3
m 1	g	23,6	17,6	18,4
m 2	g	19,5	14,6	14,9
m 3	g	10,2	8,3	7,9
W	%	44,1	47,6	50,0
Nr de lovituri/No. of blows	-	41	24	18

	U.M.	1
m 1	g	38,1
m 2	g	35,7
m 3	g	24,2
W _P	%	20,9

W_p = 20,9 %



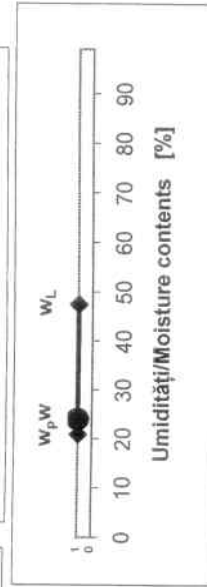
W_L = 47,5 %



	U.M.	1
m 1	g	175,8
m 2	g	148,6
m 3	g	35,6
W	%	24,1

W = 24,1 %

Ic = 0,88
Ip = 26,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 104
Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11056.1.12.2004

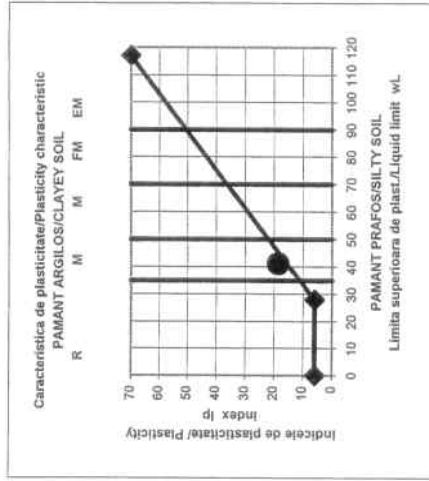
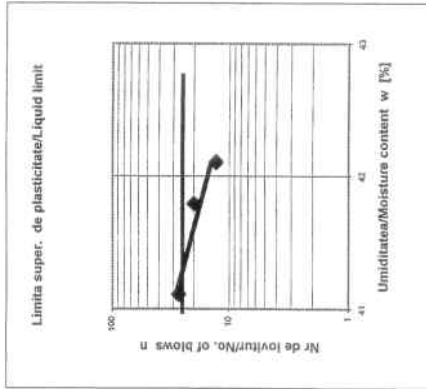
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

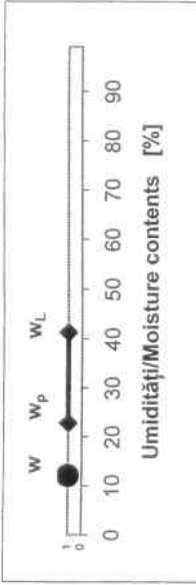
	U.M.	1	2	3
m 1	g	29,2	38,0	23,2
m 2	g	25,5	32,4	20,0
m 3	g	16,5	19,0	12,4
w	%	41,1	41,8	42,1
Nr de lovituri/No. of blows	-	27	20	13

	U.M.	1
m 1	g	33,4
m 2	g	30,8
m 3	g	19,4
W _P	%	22,8

W_P = **22,8 %**



W_L = **41,3 %**



	U.M.	1
m 1	g	190,1
m 2	g	173,4
m 3	g	36,0
W	%	12,2

W = **12,2 %**

IC=	1,58
Ip=	18,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 105

Cota/Depth: -2,00 m
18.12.2004

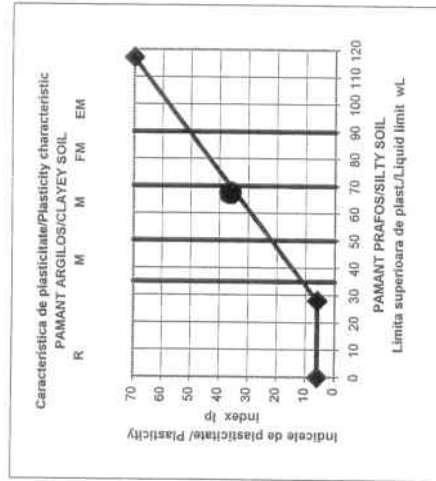
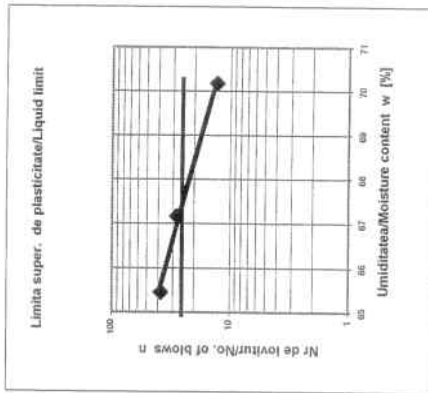
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11057
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,9	23,6	21,2
m 2	g	13,3	19,1	17,2
m 3	g	7,8	12,4	11,5
w	%	65,5	67,2	70,2
Nr de lovituri/No. of blows	-	38	28	13

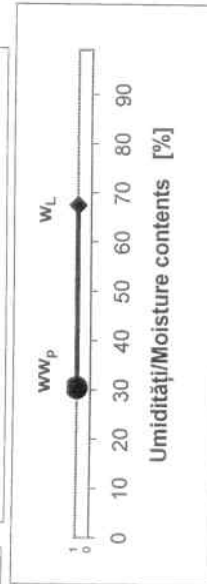
	U.M.	1
m 1	g	36,9
m 2	g	33,9
m 3	g	24,3
W _p	%	31,3

W_p = 31,3 %



	U.M.	1
m 1	g	172,7
m 2	g	141,1
m 3	g	37,7
w	%	30,6

w = 30,6 %



w_L = 67,5 %

lc =	1,02
lp =	36,3 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 106

Cota/Depth: -0,70 m
11.05.18.12.2008

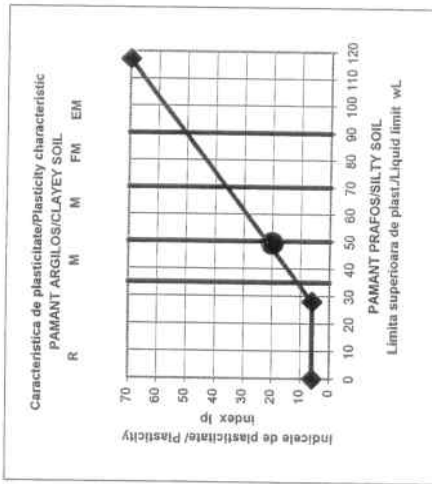
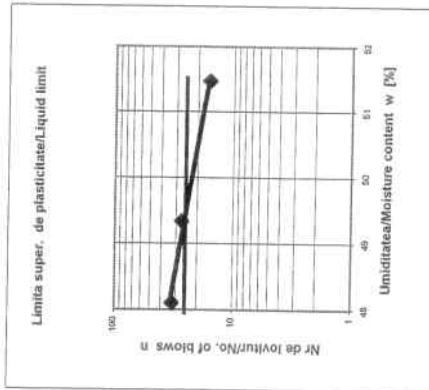
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,6	18,9	18,2
m 2	g	15,8	15,2	14,7
m 3	g	7,9	7,7	7,9
w	%	48,1	49,3	51,5
Nr de lovituri/No. of blows	-	32	27	16

	U.M.	1
m 1	g	37,5
m 2	g	34,5
m 3	g	24,3
Wp	%	29,4

Wp = 29,4 %

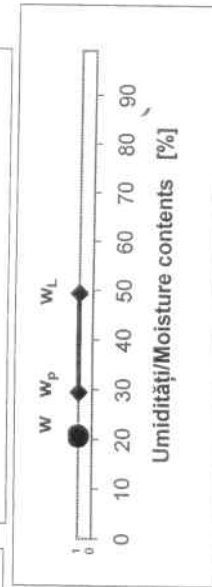


	U.M.	1
m 1	g	189,0
m 2	g	163,1
m 3	g	38,3
w	%	20,8

w = 20,8 %

lc = 1,43
lp = 20,0 %

WL = 49,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

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S.C. GARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 107
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11059 / 1.18.12.2008

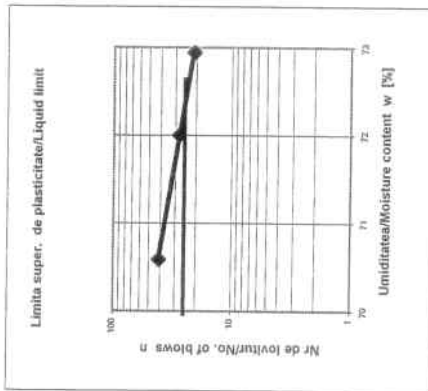
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

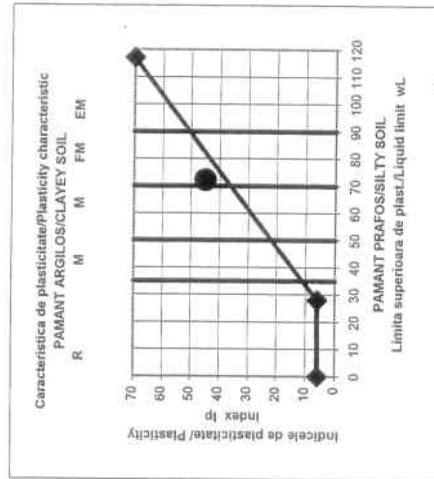
	U.M.	1	2	3
m 1	g	24,4	34,0	33,8
m 2	g	18,4	26,8	27,6
m 3	g	9,9	16,8	19,1
w	%	70,6	72,0	72,9
Nr de lovituri/No. of blows	-	41	28	21

	U.M.	1
m 1	g	38,1
m 2	g	35,0
m 3	g	23,7
Wp	%	27,4

Wp = 27,4 %



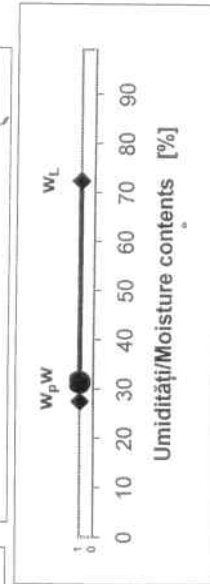
w_L = 72,3 %



	U.M.	1
m 1	g	171,9
m 2	g	139,9
m 3	g	38,2
w	%	31,5

w = 31,5 %

Ic = 0,91
Ip = 44,9 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. GARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 108
Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11060 / 18.12.2008

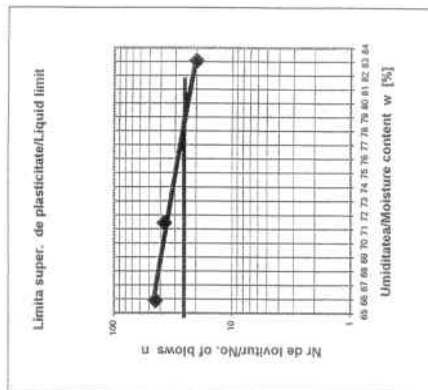
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

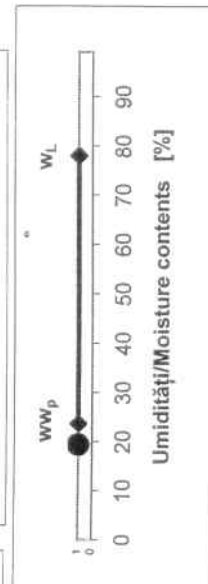
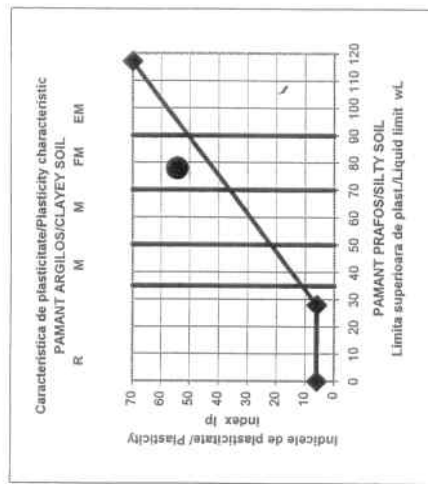
	U.M.	1	2	3
m 1	g	15,5	23,1	19,8
m 2	g	12,6	18,6	14,4
m 3	g	8,2	12,3	7,9
w	%	65,9	71,4	83,1
Nr de lovituri/No. of blows	-	44	37	20

	U.M.	1
m 1	g	35,6
m 2	g	32,5
m 3	g	19,4
W _P	%	23,7

W_P = 23,7 %



W_L = 78,0 %



	U.M.	1
m 1	g	160,1
m 2	g	140,0
m 3	g	36,7
w	%	19,5

w = 19,5 %

lc=	1,08
lp=	54,3 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 109

Cota/Depth: -2,00 m
.....1.8.12.2008

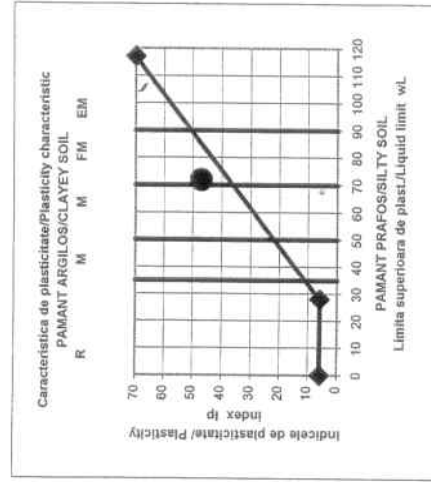
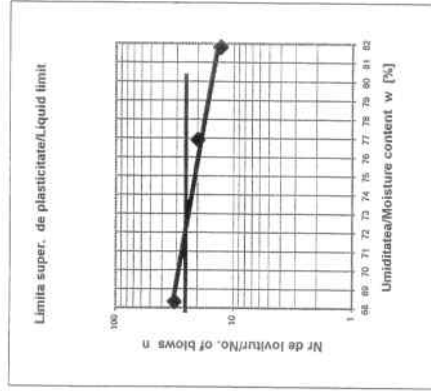
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11061
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,0	19,2	20,2
m 2	g	13,9	14,2	14,8
m 3	g	7,9	7,7	8,2
W	%	68,3	76,9	81,8
Nr de lovituri/No. of blows	-	31	20	13

	U.M.	1
m 1	g	59,9
m 2	g	56,8
m 3	g	44,4
W _p	%	25,0

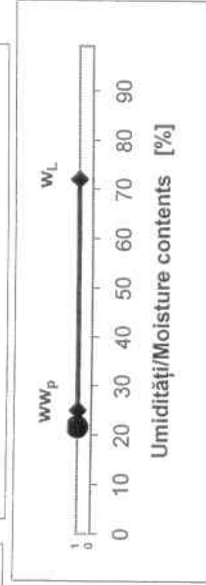
W_p = 25,0 %



	U.M.	1
m 1	g	198,8
m 2	g	170,2
m 3	g	38,6
W	%	21,7

W = 21,7 %

lc= 1,07
lp= 47,0 %



W_L = 72,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 110
Cota/Depth: -0,70 m

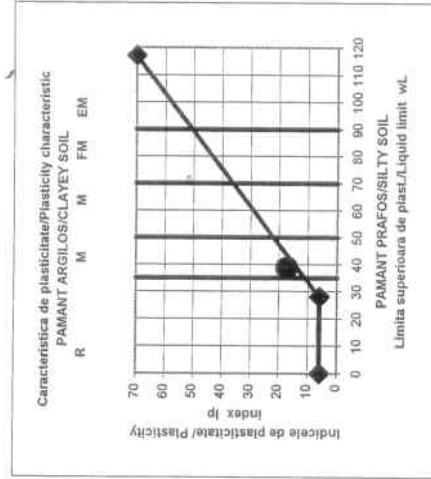
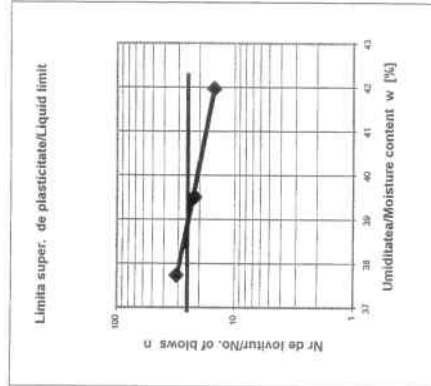
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11062 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	15,5	19,0	19,4
m 2	g	13,5	15,8	16,0
m 3	g	8,2	7,7	7,9
w	%	37,7	39,5	42,0
Nr de lovituri/No. of blows	-	31	22	15

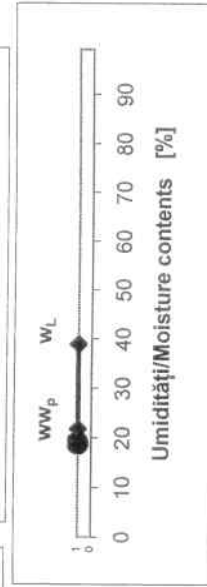
	U.M.	1
m 1	g	37,8
m 2	g	35,1
m 3	g	22,7
W _P	%	21,8

W_P = 21,8 %



	U.M.	1
m 1	g	175,6
m 2	g	153,4
m 3	g	36,7
w	%	19,0

w = 19,0 %



w_L = 38,9 %

lc = 1,16
lp = 17,1 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 111
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11063 / 1.18.12.2004

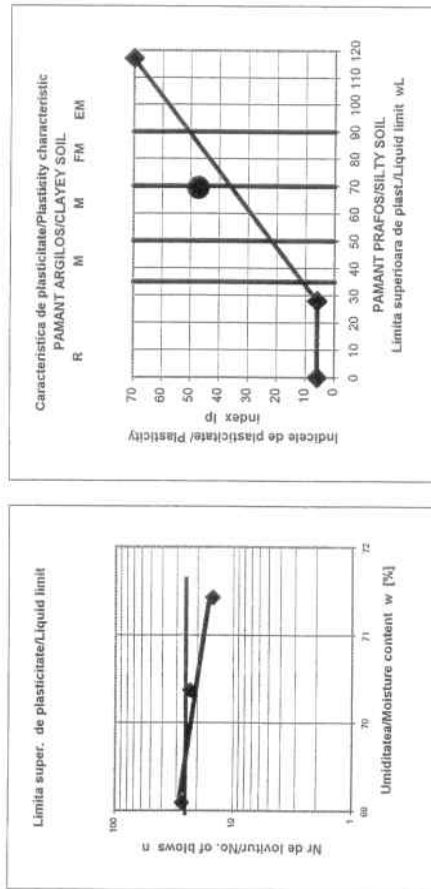
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	17,5	17,1	17,4
m 2	g	13,7	13,3	13,4
m 3	g	8,2	7,9	7,8
w	%	69,1	70,4	71,4
Nr de lovituri/No. of blows	-	27	23	15

	U.M.	1
m 1	g	40,3
m 2	g	37,1
m 3	g	22,7
WP	%	22,2

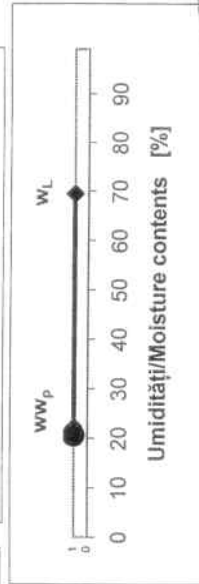
$W_p = 22,2 \%$



	U.M.	1
m 1	g	200,7
m 2	g	172,6
m 3	g	36,9
w	%	20,7

$w = 20,7 \%$

lc= 1,03
lp= 47,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 112
 Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11064 / 1.18.12.2004

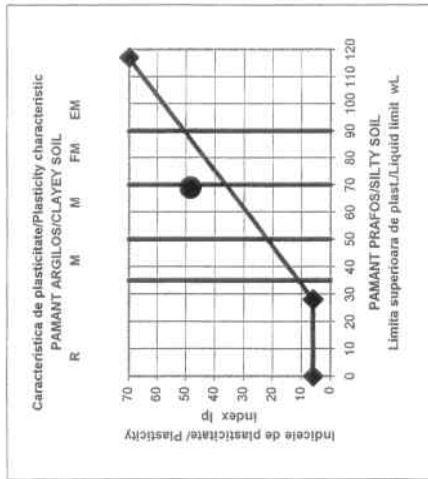
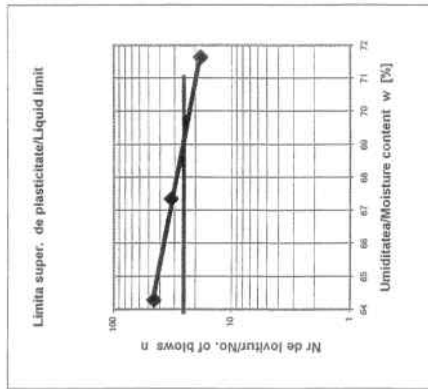
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	28,5	28,3	24,8
m 2	g	22,2	21,7	20,0
m 3	g	12,4	11,9	13,3
w	%	64,3	67,3	71,6
Nr de lovituri/No. of blows	-	45	32	18

	U.M.	1
m 1	g	37,4
m 2	g	34,9
m 3	g	22,8
Wp	%	20,7

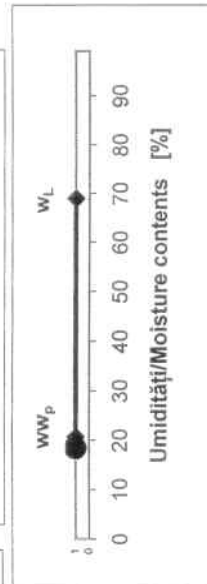
Wp = 20,7 %



	U.M.	1
m 1	g	184,2
m 2	g	161,3
m 3	g	38,1
w	%	18,6

w = 18,6 %

lc =	1,04
lp =	48,3 %



WL = 69,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 113
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11065.1.18.12.2004

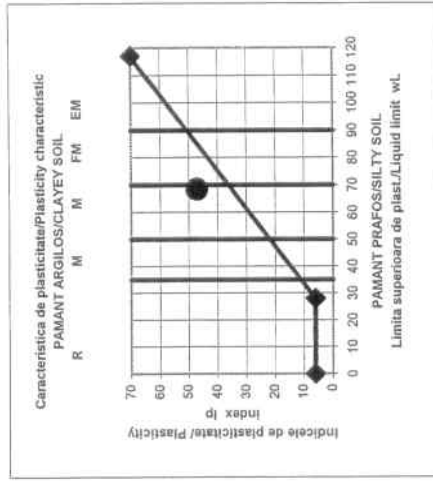
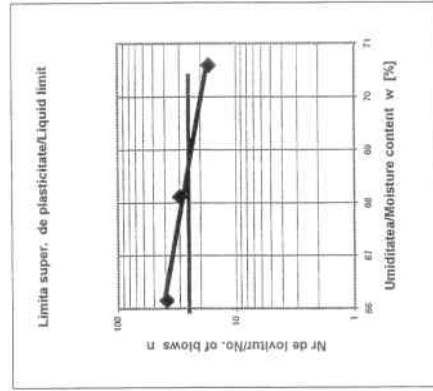
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

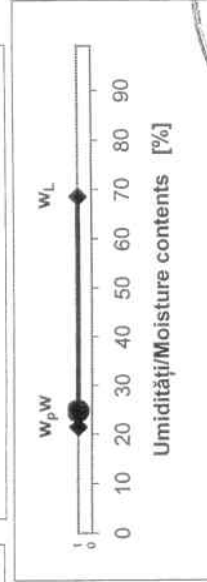
	U.M.	1	2	3
m 1	g	21,0	24,8	24,2
m 2	g	16,7	20,1	19,4
m 3	g	10,2	13,2	12,6
W	%	66,2	68,1	70,6
Nr de lovituri/No. of blows	-	39	30	17

	U.M.	1
m 1	g	53,1
m 2	g	49,8
m 3	g	34,4
W _p	%	21,4

W_p = 21,4 %



W_L = 68,6 %



	U.M.	1
m 1	g	162,8
m 2	g	138,0
m 3	g	38,3
W	%	24,9

W = 24,9 %

lc=	0,93
lp=	47,2 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 114
Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11066 / 18.12.2008

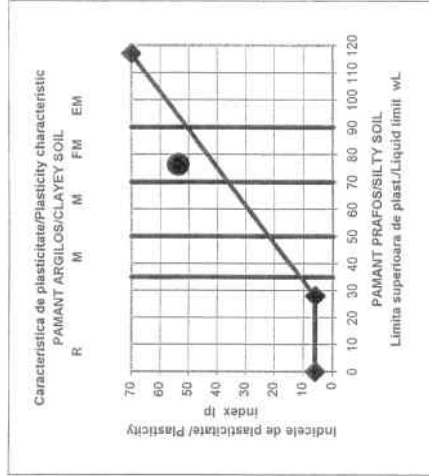
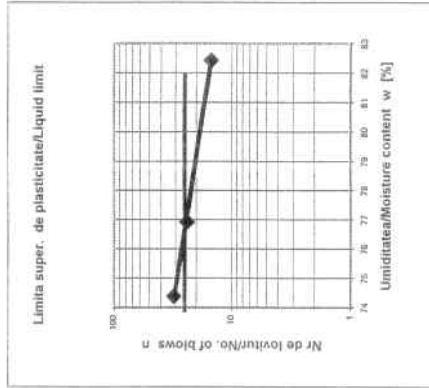
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

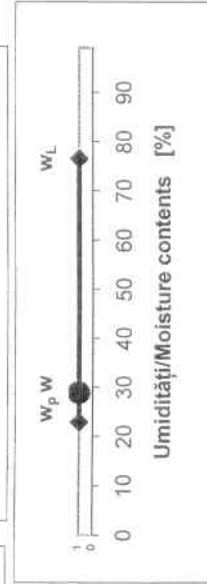
	U.M.	1	2	3
m 1	g	26,7	25,9	25,8
m 2	g	20,6	19,9	19,7
m 3	g	12,4	12,1	12,3
W	%	74,4	76,9	82,4
Nr de lovituri/No. of blows	-	31	24	15

	U.M.	1
m 1	g	32,3
m 2	g	29,9
m 3	g	19,4
W _P	%	22,9

W_P = 22,9 %



W_L = 76,5 %



	U.M.	1
m 1	g	152,2
m 2	g	126,8
m 3	g	39,2
W	%	29,0

W = 29,0 %

Ic=	0,89
Ip=	53,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 115
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11067/1.18.12.2008

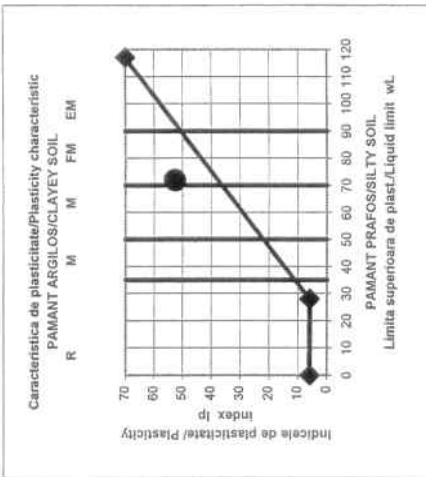
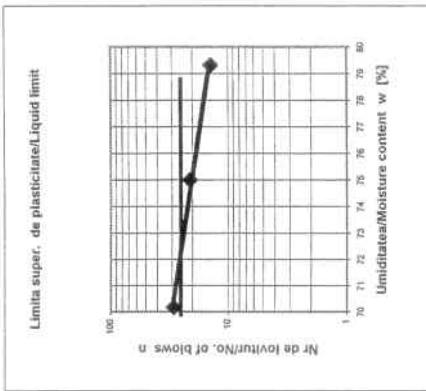
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

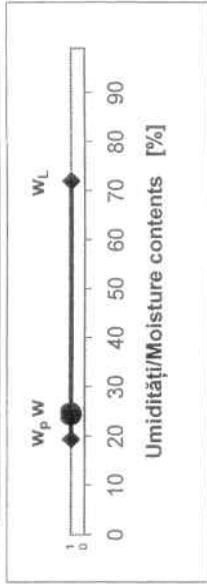
	U.M.	1	2	3
m 1	g	22,1	23,1	22,8
m 2	g	18,1	18,6	18,2
m 3	g	12,4	12,6	12,4
w	%	70,2	75,0	79,3
Nr de lovituri/No. of blows	-	29	21	14

	U.M.	1
m 1	g	36,4
m 2	g	34,0
m 3	g	21,6
W _P	%	19,4

W_P = 19,4 %



W_L = 72,0 %



	U.M.	1
m 1	g	143,7
m 2	g	122,3
m 3	g	35,2
W	%	24,6

W = 24,6 %

Ic =	0,90
Ip =	52,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task I
Sondaj nr.: C / 116
Cota/Depth: -1,00 m

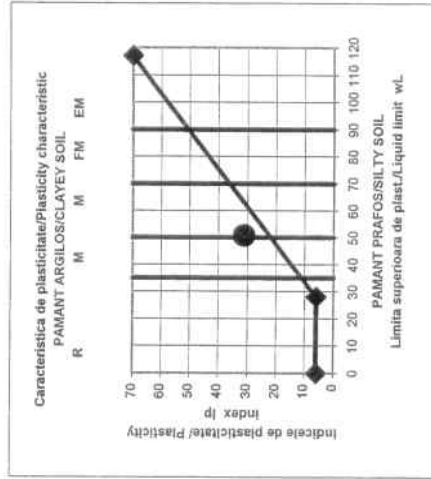
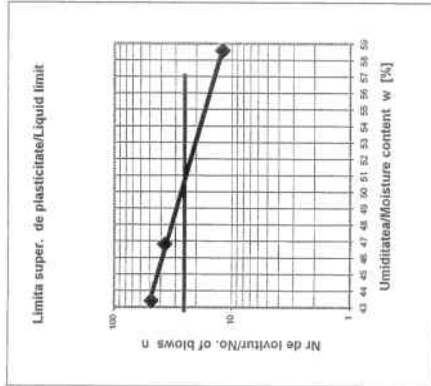
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11068 / 1.18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	15,7	14,7	19,2
m 2	g	13,4	12,5	15,1
m 3	g	8,1	7,8	8,1
W	%	43,4	46,8	58,6
Nr de lovituri/No. of blows	-	48	37	12

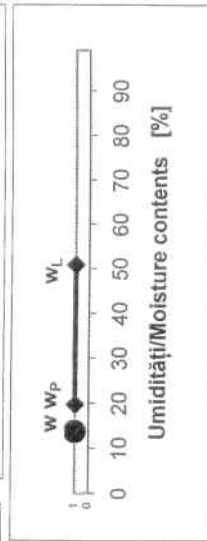
	U.M.	1
m 1	g	34,6
m 2	g	32,1
m 3	g	19,4
WP	%	19,7

WP = 19,7 %



	U.M.	1
m 1	g	192,4
m 2	g	173,5
m 3	g	36,5
W	%	13,8

W = 13,8 %



WL = 50,8 %

lc=	1,19
lp=	31,1 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 117

Cota/Depth: -0,40 -1,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11071.18.12.2008

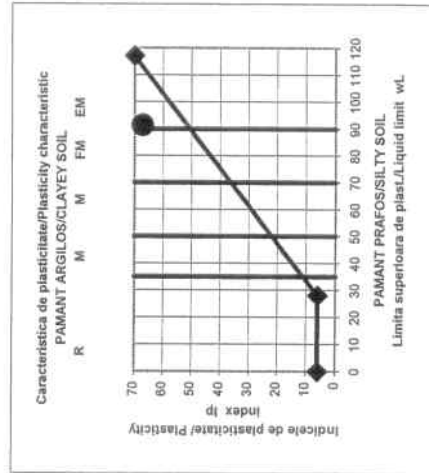
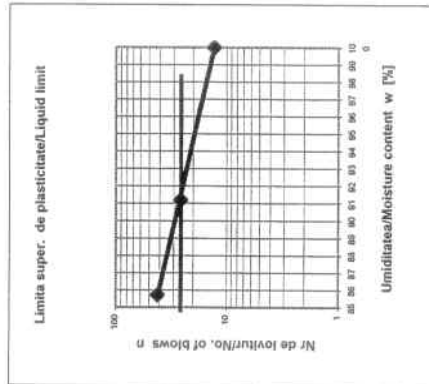
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

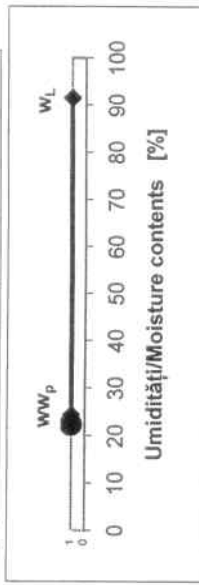
	U.M.	1	2	3
m 1	g	13,1	14,8	12,8
m 2	g	10,7	11,7	10,5
m 3	g	7,9	8,3	8,2
w	%	85,7	91,2	100,0
Nr de lovituri/No. of blows	-	42	26	13

	U.M.	1
m 1	g	63,8
m 2	g	60,0
m 3	g	44,4
w _p	%	24,4

w_p = 24,4 %



w_L = 91,5 %



	U.M.	1
m 1	g	155,1
m 2	g	133,3
m 3	g	35,9
w	%	22,4

w = 22,4 %

lc = 1,03
lp = 67,1 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

PO-101-01.06/8/10





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 118

Cota/Depth: -1,20 -2,00 m
11072/18.12.2008

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

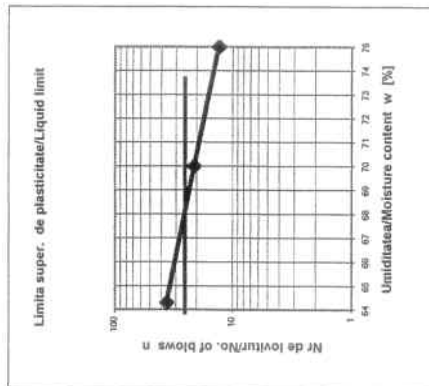
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

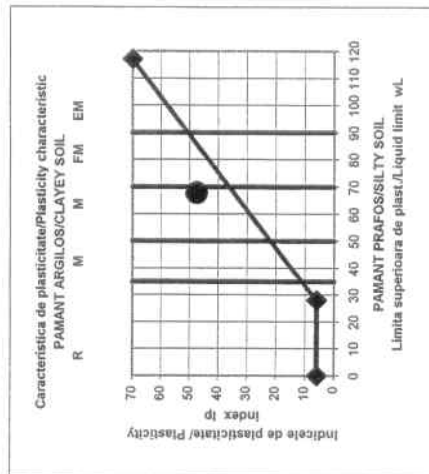
	U.M.	1	2	3
m 1	g	14,8	15,1	21,0
m 2	g	12,1	12,3	17,4
m 3	g	7,9	8,3	12,6
w	%	64,3	70,0	75,0
Nr de lovituri/No. of blows	-	36	21	13

	U.M.	1
m 1	g	36,4
m 2	g	33,5
m 3	g	19,4
Wp	%	20,6

Wp = 20,6 %

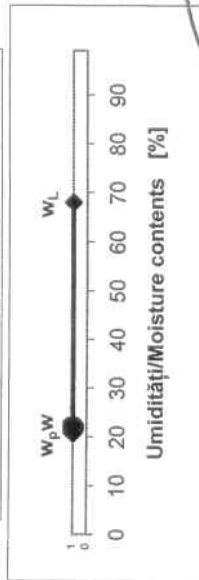


W_L = 68,0 %



Ic = 0,97

Ip = 47,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN

Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

Pag. 1/1



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 119

Cota/Depth: -0,50 -1,00 m
11.18.12.2008

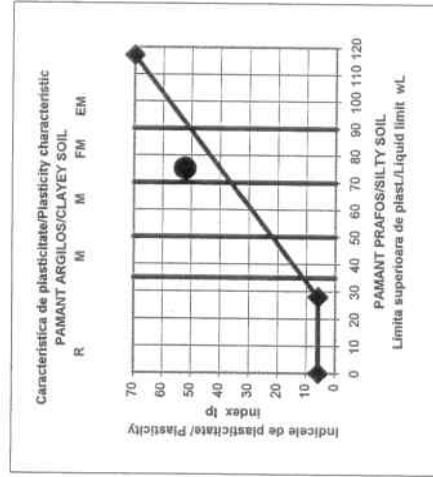
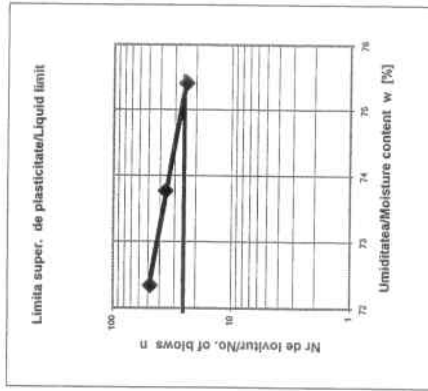
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11073
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,2	18,8	18,4
m 2	g	12,8	14,3	13,8
m 3	g	8,1	8,2	7,7
W	%	72,3	73,8	75,4
Nr de lovituri/No. of blows	-	48	36	24

	U.M.	1
m 1	g	41,1
m 2	g	37,4
m 3	g	21,4
Wp	%	23,1

Wp = 23,1 %

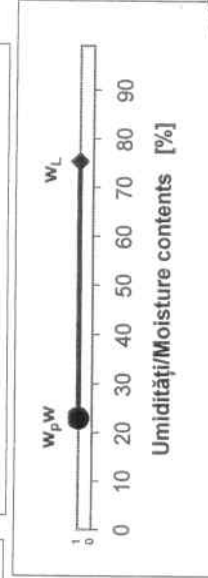


	U.M.	1
m 1	g	155,4
m 2	g	133,3
m 3	g	37,6
W	%	23,1

W = 23,1 %

IC = 1,00
Ip = 52,2 %

WL = 75,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 121

Cota/Depth: -0,50 -1,30 m

BULETIN DE ANALIZĂ nr. 11974 / ANALYSIS REPORT no. 11974

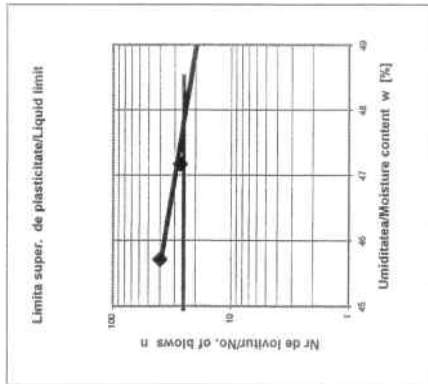
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

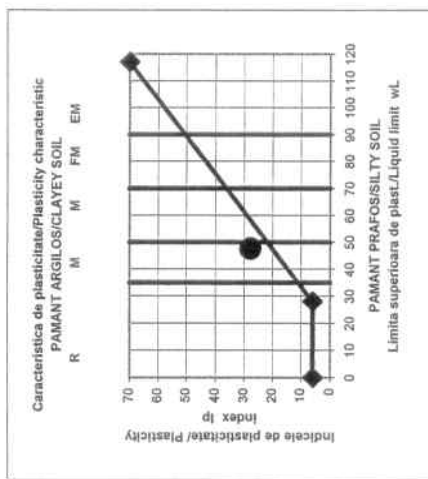
	U.M.	1	2	3
m 1	g	18,1	15,8	15,6
m 2	g	14,9	13,3	13,1
m 3	g	7,9	8,0	8,0
W	%	45,7	47,2	49,0
Nr de lovituri/No. of blows	-	40	27	20

	U.M.	1
m 1	g	40,5
m 2	g	37,7
m 3	g	23,7
WP	%	20,0

WP = 20,0 %



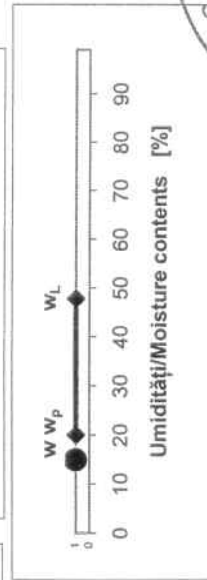
WL = 47,8 %



	U.M.	1
m 1	g	288,5
m 2	g	255,6
m 3	g	37,0
W	%	15,1

W = 15,1 %

IC = 1,18
Ip = 27,8 %



Sef profil: Dr. ing. Ioan Petru BOLDUREAN
Sef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘDARA

Autostrada - Task III
 Sondaj nr.: C / 122
 Cota/Depth: -1,00 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

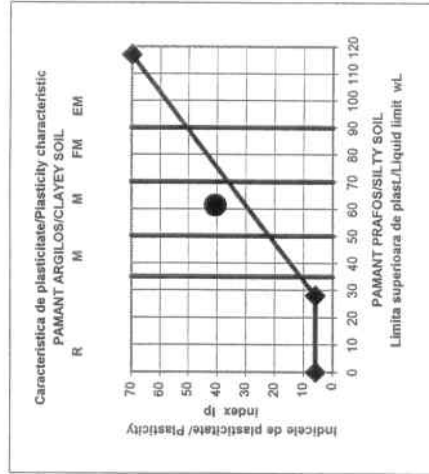
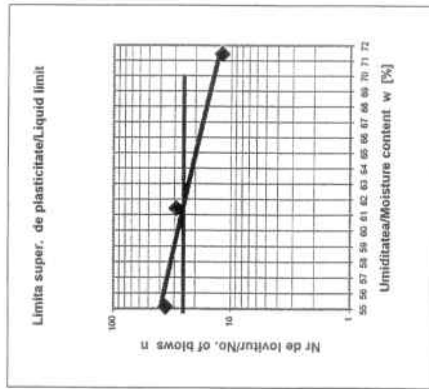
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,0	27,8	29,9
m 2	g	16,7	23,5	25,4
m 3	g	12,5	16,5	19,1
w	%	55,1	61,4	71,4
Nr de lovituri/No. of blows	-	36	29	12

	U.M.	1
m 1	g	32,7
m 2	g	30,4
m 3	g	19,4
w _p	%	20,9

w_p = 20,9 %

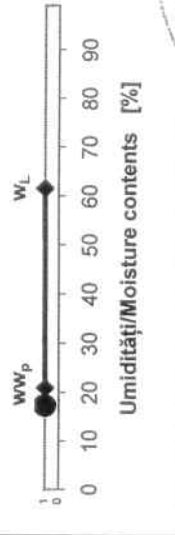


	U.M.	1
m 1	g	129,4
m 2	g	115,5
m 3	g	35,5
w	%	17,4

w = 17,4 %

Ic = 1,09
Ip = 40,6 %

w_L = 61,5 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 123

Cota/Depth: -0,50 -1,20 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11076/1/8.12.2004

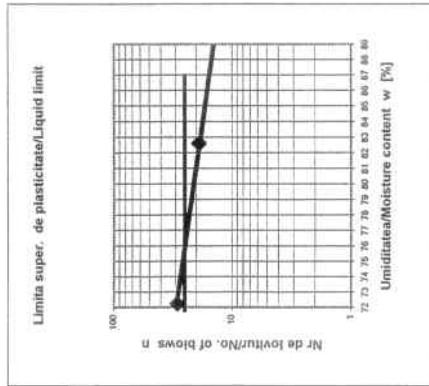
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

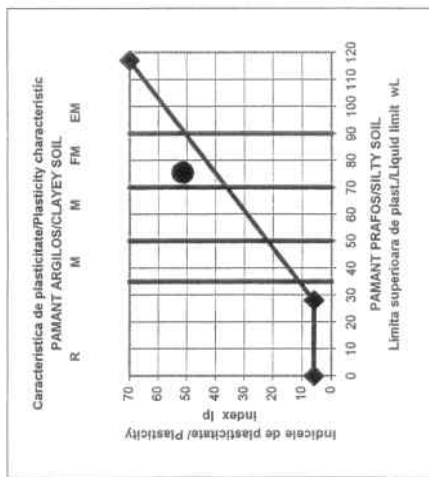
	U.M.	1	2	3
m 1	g	14,1	19,2	19,3
m 2	g	11,5	15,4	15,6
m 3	g	7,9	10,8	11,5
W	%	72,2	82,6	89,0
Nr de lovituri/No. of blows	-	29	19	14

	U.M.	1
m 1	g	34,3
m 2	g	31,4
m 3	g	19,4
WP	%	24,2

WP = 24,2 %



WL = 75,5 %



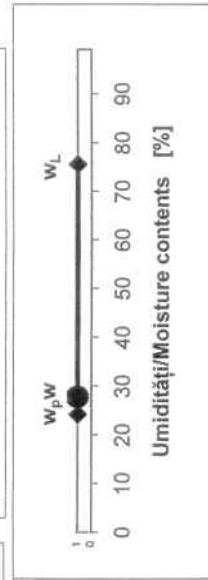
Caracteristica de plasticitate/Plasticity characteristic
PAMANT ARGILOSLI/CLAYEY SOIL

R M M FM EM

Limitea superioara de plast./Liquid limit wL

PAMANT PRAFOSILTY SOIL

Limitea superioara de plast./Liquid limit wL



	U.M.	1
m 1	g	155,0
m 2	g	129,1
m 3	g	36,2
W	%	27,9

W = 27,9 %

	U.M.	1
IC		0,93
Ip	%	51,3 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 124
 Cota/Depth: -1,10 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11077-1/18.12.2004

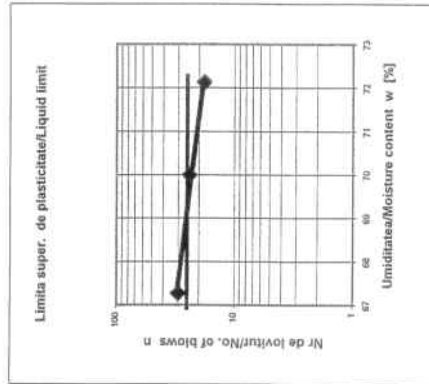
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

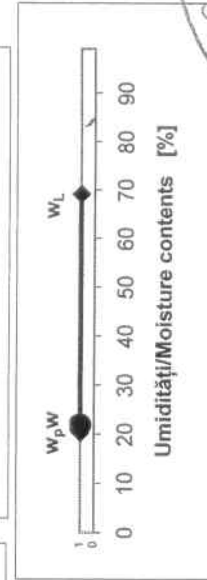
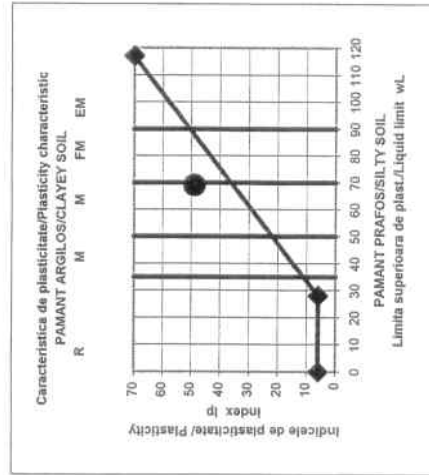
	U.M.	1	2	3
m 1	g	21,8	16,3	20,7
m 2	g	18,1	12,8	16,3
m 3	g	12,6	7,8	10,2
w	%	67,3	70,0	72,1
Nr de lovituri/No. of blows	-	30	24	18

	U.M.	1
m 1	g	37,7
m 2	g	35,1
m 3	g	22,3
Wp	%	20,3

Wp = 20,3 %



WL = 69,2 %



	U.M.	1
m 1	g	185,2
m 2	g	159,4
m 3	g	42,1
w	%	22,0

w = 22,0 %

Ic = 0,97
Ip = 48,9 %

Sef profil: Dr. ing. Ioan Petru BOLDUREAN
 Sef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 126

Cota/Depth: -1,00 -2,00 m

BULETIN DE ANALIZĂ nr. 1 / ANALYSIS REPORT no. 11069 / 1.18.12.2008

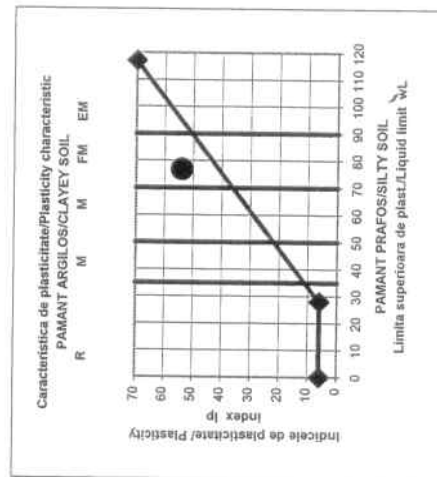
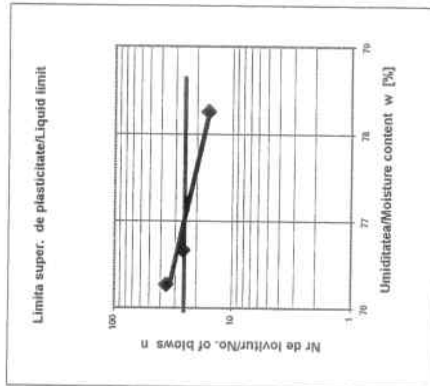
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,6	18,9	20,5
m 2	g	14,1	14,3	15,1
m 3	g	8,2	8,3	8,2
W	%	76,3	76,7	78,3
Nr de lovituri/No. of blows	-	36	26	16

	U.M.	1
m 1	g	34,6
m 2	g	31,7
m 3	g	19,1
W _P	%	23,0

W_P = 23,0 %

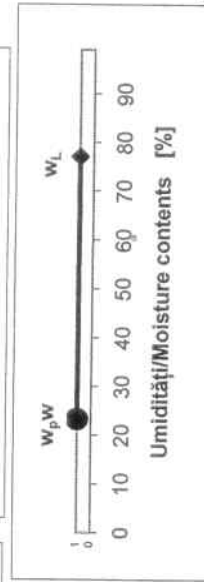


	U.M.	1
m 1	g	177,4
m 2	g	151,1
m 3	g	38,5
W	%	23,4

W = 23,4 %

lc=	0,99
lp=	54,0 %

W_L = 77,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 127

Cota/Depth: -0,90 -2,00 m

BULETIN DE ANALIZĂ nr. 11040 / ANALYSIS REPORT no. 11040 18.12.2008

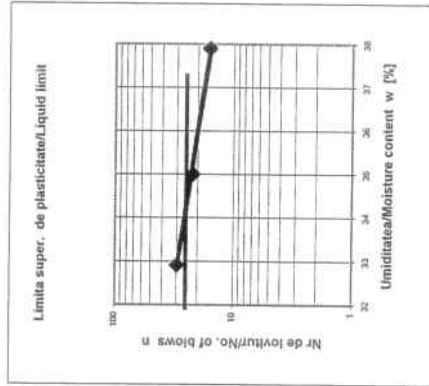
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

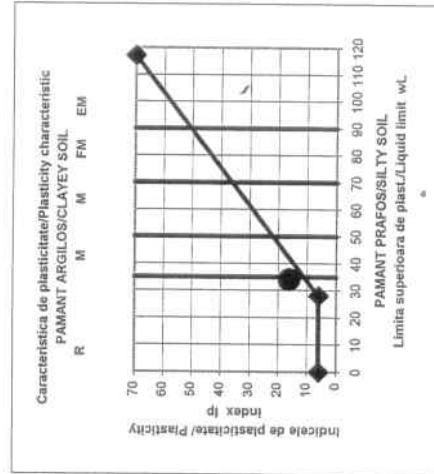
	U.M.	1	2	3
m 1	g	18,5	18,9	20,9
m 2	g	15,9	16,1	17,3
m 3	g	8,0	8,1	7,8
W	%	32,9	35,0	37,9
Nr de lovituri/No. of blows	-	30	22	16

	U.M.	1
m 1	g	43,1
m 2	g	40,0
m 3	g	22,8
W _P	%	18,0

W_P = 18,0 %



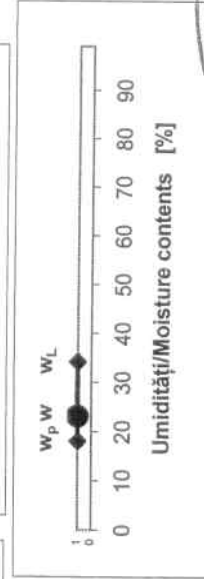
W_L = 34,2 %



	U.M.	1
m 1	g	211,4
m 2	g	178,7
m 3	g	37,9
W	%	23,2

W = 23,2 %

I_c = 0,68
I_p = 16,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 128
Cota/Depth: -1,30 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11078 / 1.18.12.2004

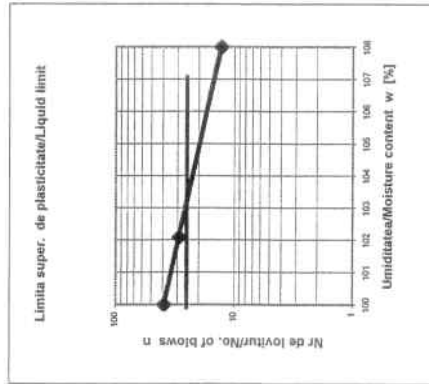
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

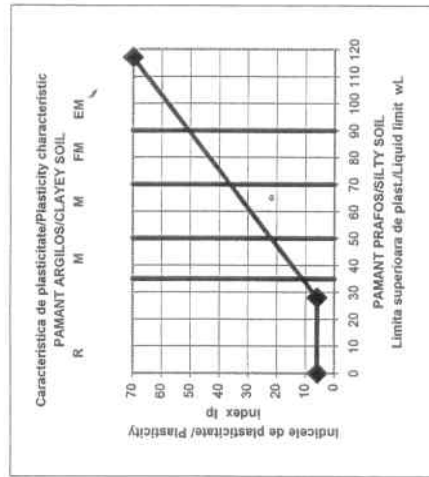
	U.M.	1	2	3
m 1	g	21,9	17,6	18,3
m 2	g	17,5	12,7	12,9
m 3	g	13,1	7,9	7,9
w	%	100,0	102,1	108,0
Nr de lovituri/No. of blows	-	39	29	13

	U.M.	1
m 1	g	42,6
m 2	g	37,6
m 3	g	21,5
Wp	%	31,1

Wp = 31,1 %



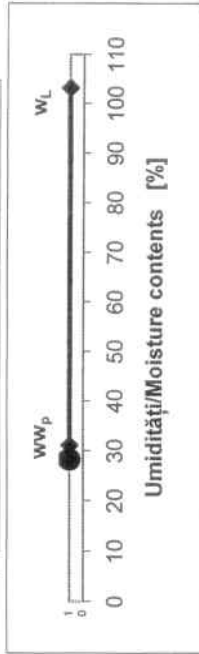
WL = 103,2 %



	U.M.	1
m 1	g	133,5
m 2	g	111,8
m 3	g	35,1
W	%	28,3

W = 28,3 %

lc=	1,04
lp=	72,1 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 129

Cota/Depth: -0,50 -1,10 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11079 / 18.12.2008

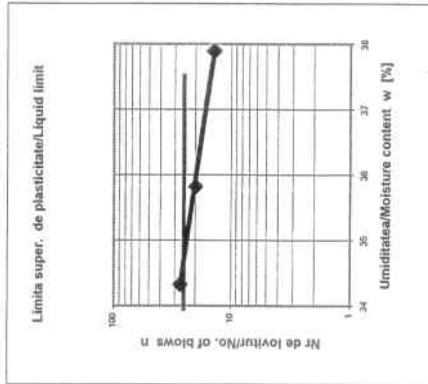
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

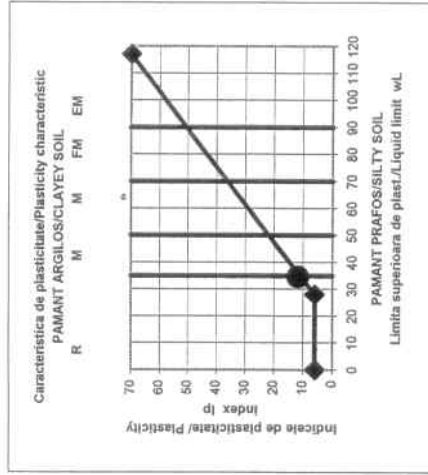
	U.M.	1	2	3
m 1	g	17,0	17,0	21,0
m 2	g	14,7	14,6	17,4
m 3	g	8,0	7,9	7,9
w	%	34,3	35,8	37,9
Nr de lovituri/No. of blows	-	27	20	14

	U.M.	1
m 1	g	39,8
m 2	g	36,8
m 3	g	23,7
Wp	%	22,9

Wp = 22,9 %



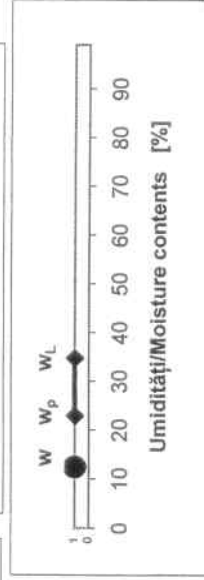
WL = 34,7 %



	U.M.	1
m 1	g	197,2
m 2	g	179,5
m 3	g	37,7
w	%	12,5

w = 12,5 %

Ic = 1,88
Ip = 11,8 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 130

Cota/Depth: -0,70 -1,40 m

BULETIN DE ANALIZĂ nr. 11080 / 18.12.2004

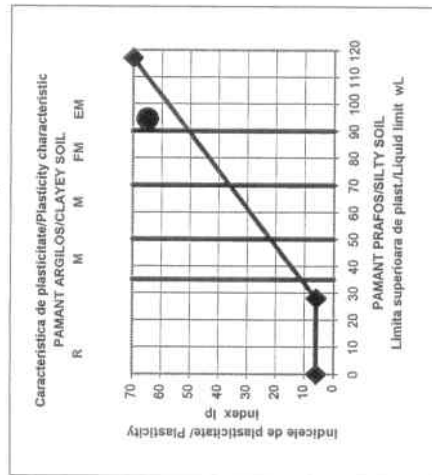
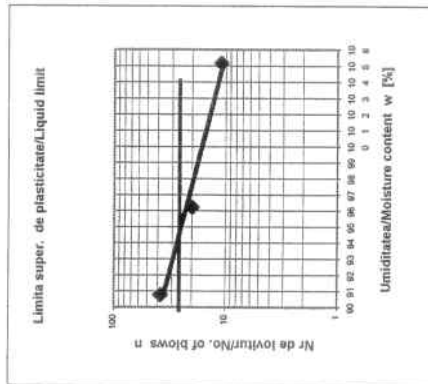
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

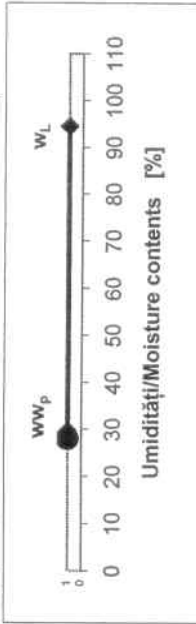
	U.M.	1	2	3
m 1	g	20,5	18,8	20,0
m 2	g	14,6	13,7	13,9
m 3	g	8,1	8,4	8,1
w	%	90,8	96,2	105,2
Nr de lovituri/No. of blows	-	38	20	11

	U.M.	1
m 1	g	41,8
m 2	g	37,8
m 3	g	24,3
Wp	%	29,6

Wp = 29,6 %



W_L = 94,5 %



	U.M.	1
m 1	g	176,3
m 2	g	145,9
m 3	g	37,6
w	%	28,1

w = 28,1 %

IC = 1,02
Ip = 64,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 131

Cota/Depth: -1,20 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11081 1.18.12.2004

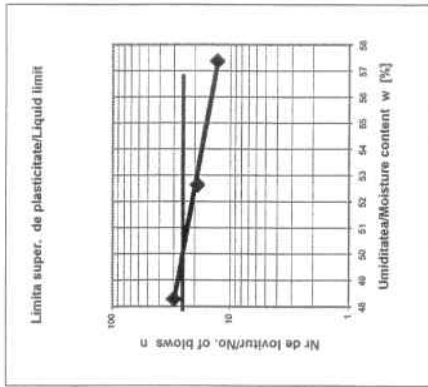
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

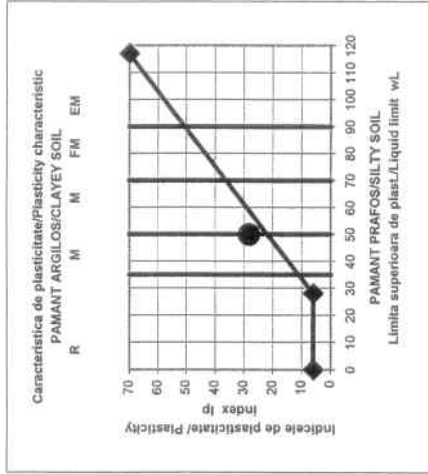
	U.M.	1	2	3
m 1	g	16,5	17,1	17,5
m 2	g	13,7	14,1	14,0
m 3	g	7,9	8,4	7,9
w	%	48,3	52,6	57,4
Nr de lovituri/No. of blows	-	30	19	13

	U.M.	1
m 1	g	48,3
m 2	g	45,8
m 3	g	34,4
Wp	%	21,9

Wp = 21,9 %



wL = 50,0 %

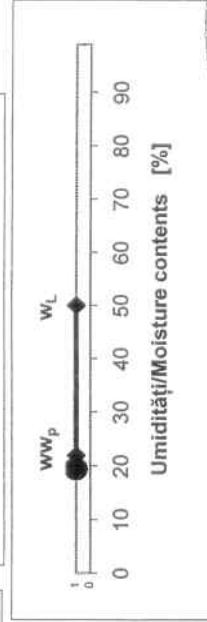


w = 19,5 %

	U.M.	1
m 1	g	157,6
m 2	g	138,1
m 3	g	38,2
w	%	19,5

lc = 1,09

lp = 28,1 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 132

Cota/Depth: -0,70 -1,30 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11022/18/12.2008

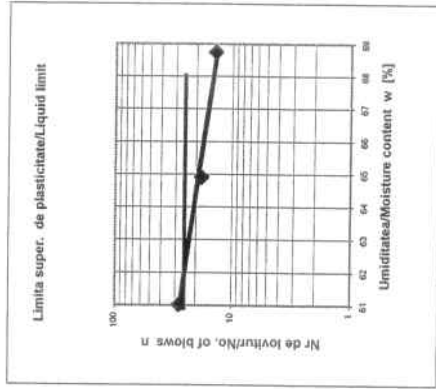
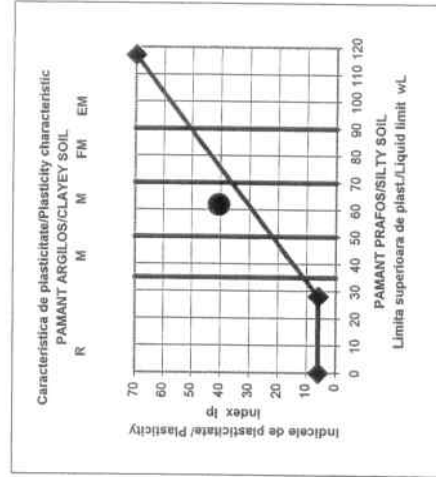
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,7	20,1	15,9
m 2	g	16,1	16,4	12,6
m 3	g	10,2	10,7	7,8
w	%	61,0	64,9	68,8
Nr de lovituri/No. of blows	-	28	18	14

	U.M.	1
m 1	g	40,4
m 2	g	37,3
m 3	g	22,8
Wp	%	21,4

Wp = 21,4 %



W_L = 62,0 %

	U.M.	1
m 1	g	128,9
m 2	g	114,3
m 3	g	36,0
w	%	18,6

w = 18,6 %

Ic = 1,07
Ip = 40,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 133

Cota/Depth: -1,30 -2,00 m

BULETIN DE ANALIZĂ nr. 11083 / 18.12.2008

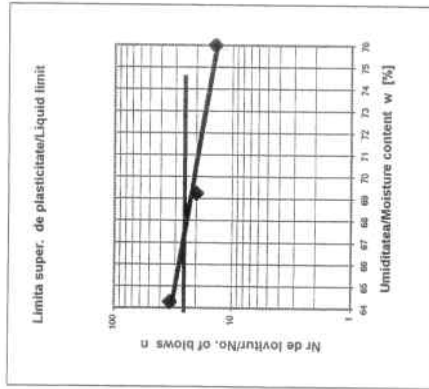
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

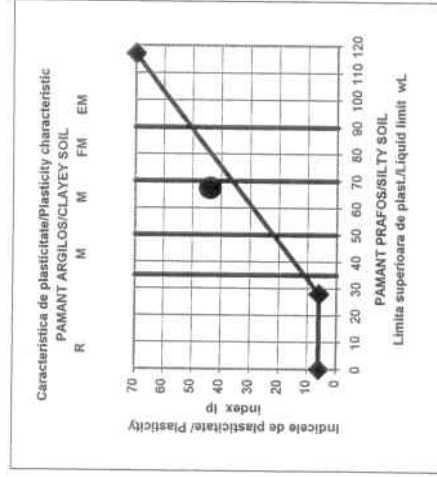
	U.M.	1	2	3
m 1	g	21,8	16,5	21,2
m 2	g	18,2	12,9	17,4
m 3	g	12,6	7,7	12,4
w	%	64,3	69,2	76,0
Nr de lovituri/No. of blows	-	33	20	14

	U.M.	1
m 1	g	30,7
m 2	g	28,0
m 3	g	16,6
Wp	%	23,7

Wp = 23,7 %



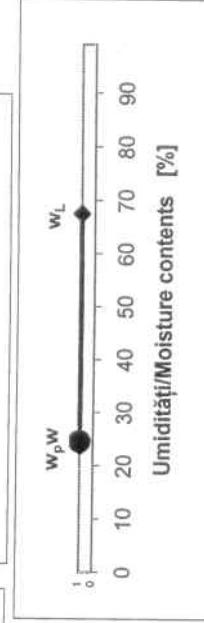
WL = 67,5 %



	U.M.	1
m 1	g	165,8
m 2	g	140,8
m 3	g	39,2
w	%	24,6

w = 24,6 %

Ic = 0,98
Ip = 43,8 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 134
Cota/Depth: -0,70 -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11084/18.12.2008

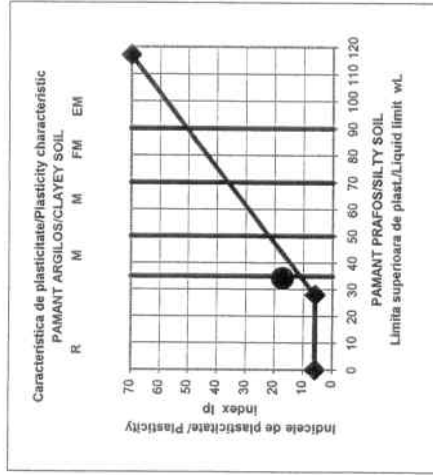
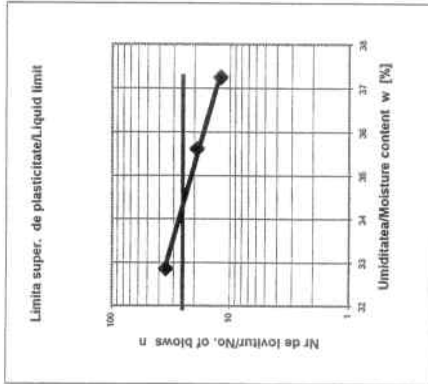
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	20,8	17,9	17,8
m 2	g	18,5	15,3	15,9
m 3	g	11,5	8,0	10,8
w	%	32,9	35,6	37,3
Nr de lovituri/No. of blows	-	35	19	12

	U.M.	1
m 1	g	28,7
m 2	g	26,3
m 3	g	12,4
Wp	%	17,3

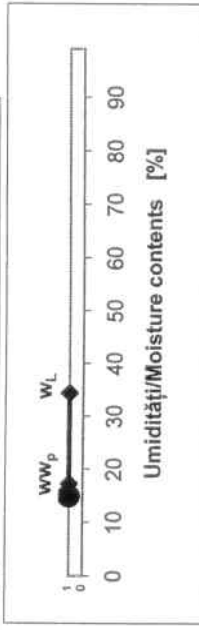
Wp = 17,3 %



	U.M.	1
m 1	g	262,3
m 2	g	234,8
m 3	g	51,4
w	%	15,0

w = 15,0 %

lc = 1,13
lp = 17,1 %



WL = 34,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 135

Cota/Depth: -1,50 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11085.1.18.12.2008

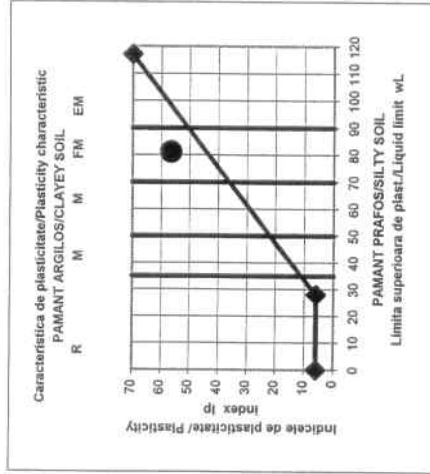
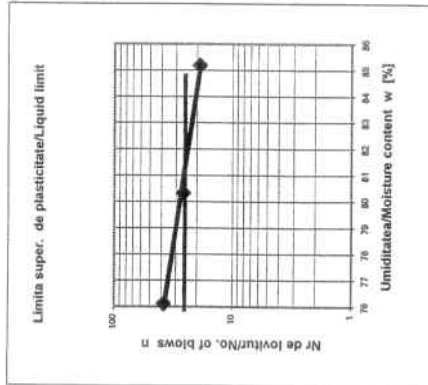
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,0	19,2	20,8
m 2	g	16,9	14,3	16,2
m 3	g	10,2	8,2	10,8
w	%	76,1	80,3	85,2
Nr de lovituri/No. of blows	-	38	26	19

	U.M.	1
m 1	g	36,0
m 2	g	32,7
m 3	g	19,4
w _p	%	24,8

w_p = 24,8 %

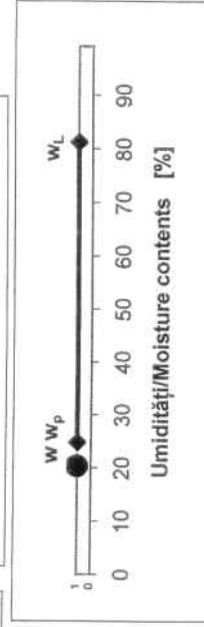


	U.M.	1
m 1	g	177,1
m 2	g	153,9
m 3	g	40,4
w	%	20,4

w = 20,4 %

lc =	1,08
lp =	56,5 %

w_L = 81,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

Pag. 1/1



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 136

Cota/Depth: -0,50 -1,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11086 / 18.12.2004

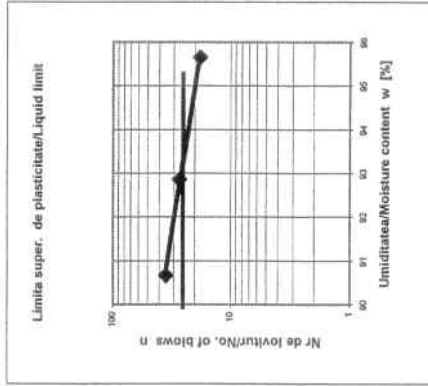
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

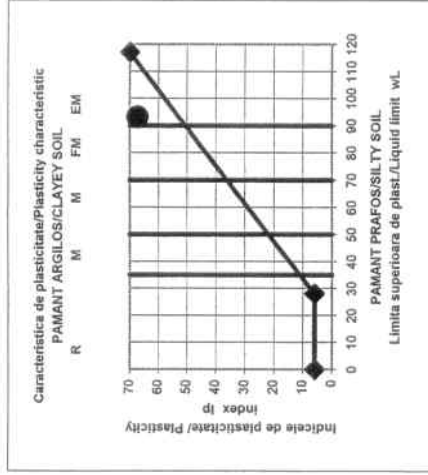
	U.M.	1	2	3
m 1	g	22,1	21,4	21,7
m 2	g	15,3	14,9	15,1
m 3	g	7,8	7,9	8,2
w	%	90,7	92,9	95,7
Nr de lovituri/No. of blows	-	35	27	18

	U.M.	1
m 1	g	38,9
m 2	g	35,3
m 3	g	21,5
Wp	%	26,1

Wp = 26,1 %



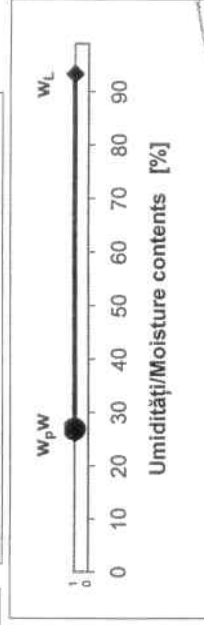
W_L = 93,3 %



	U.M.	1
m 1	g	157,0
m 2	g	131,6
m 3	g	37,4
w	%	27,0

w = 27,0 %

Ic = 0,99
Ip = 67,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 137

Cota/Depth: -1,00 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11087 / 18.12.2004

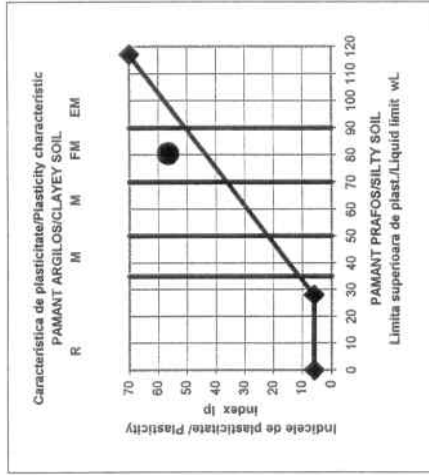
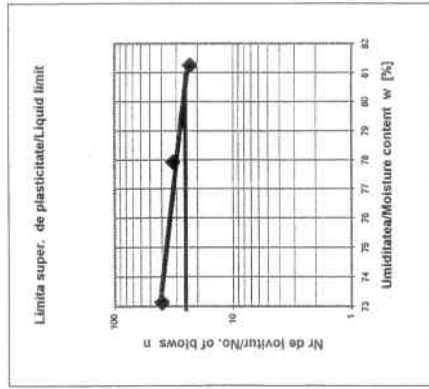
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,7	21,7	22,5
m 2	g	14,8	15,7	16,0
m 3	g	8,1	8,0	8,0
W	%	73,1	77,9	81,3
Nr de lovituri/No. of blows	-	40	32	23

	U.M.	1
m 1	g	26,2
m 2	g	23,5
m 3	g	12,3
Wp	%	24,1

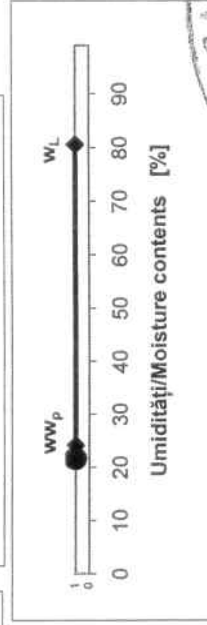
Wp = 24,1 %



	U.M.	1
m 1	g	159,6
m 2	g	135,4
m 3	g	23,9
W	%	21,7

W = 21,7 %

Ic =	1,04
Ip =	56,5 %



wL = 80,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 138

Cota/Depth: -0,50 -1,10 m

BULETIN DE ANALIZĂ nr. 1 / ANALYSIS REPORT no. 11088 / 1.18.12.2008

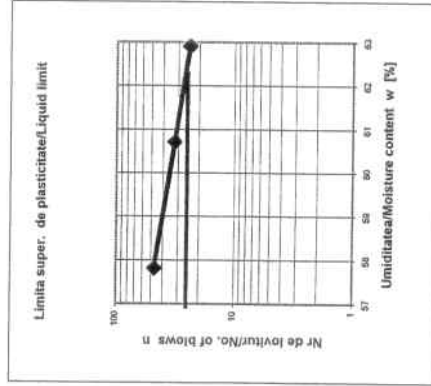
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

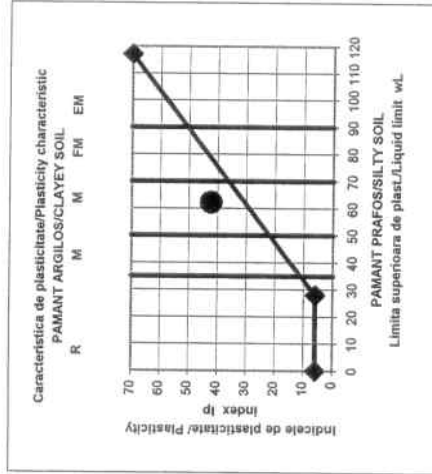
	U.M.	1	2	3
m 1	g	22,5	21,2	22,4
m 2	g	18,8	17,8	18,5
m 3	g	12,4	12,2	12,3
w	%	57,8	60,7	62,9
Nr de lovituri/No. of blows	-	47	32	24

	U.M.	1
m 1	g	37,2
m 2	g	34,8
m 3	g	22,8
W _p	%	20,0

W_p = 20,0 %



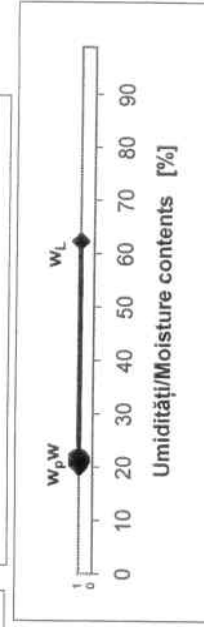
W_L = 62,3 %



	U.M.	1
m 1	g	150,1
m 2	g	129,8
m 3	g	34,9
w	%	21,4

w = 21,4 %

lc = 0,97
lp = 42,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 139

Cota/Depth: -1,10 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11089 / 18.12.2004

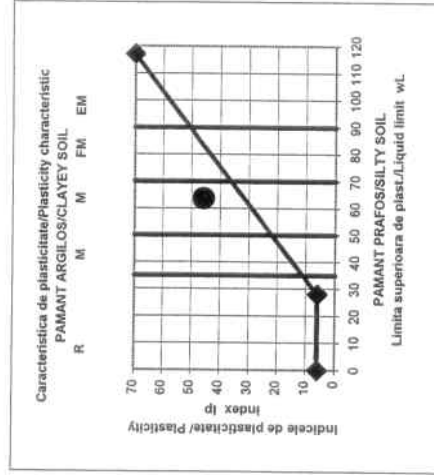
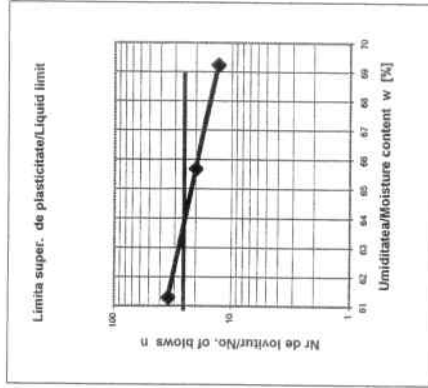
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	17,9	21,0	19,1
m 2	g	14,1	16,6	14,6
m 3	g	7,9	9,9	8,1
w	%	61,3	65,7	69,2
Nr de lovituri/No. of blows	-	34	20	13

	U.M.	1
m 1	g	37,0
m 2	g	34,6
m 3	g	21,6
Wp	%	18,2

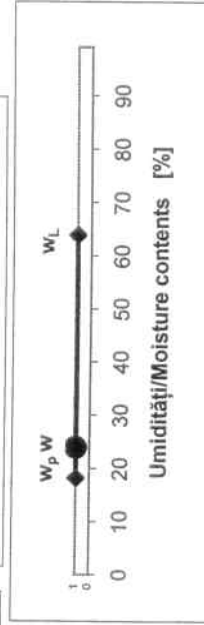
Wp = 18,2 %



	U.M.	1
m 1	g	198,5
m 2	g	167,0
m 3	g	35,9
w	%	24,0

w = 24,0 %

Ic = 0,87
Ip = 45,7 %



WL = 63,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 140

Cota/Depth: -0,60 -1,20 m
 11090 / 18.12.2004

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

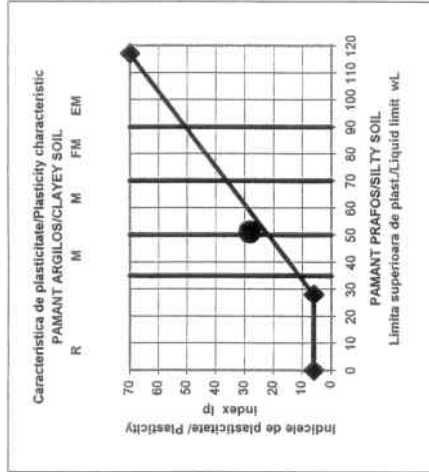
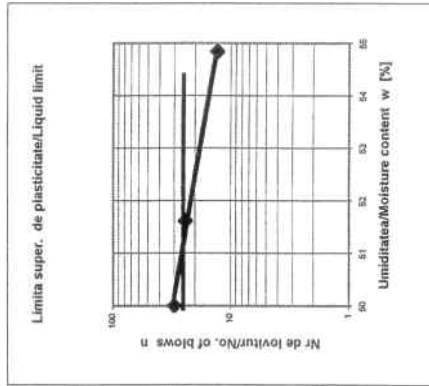
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,2	17,3	17,6
m 2	g	14,8	14,1	14,2
m 3	g	8,0	7,9	8,0
W	%	50,0	51,6	54,8
Nr de lovituri/No. of blows	-	30	24	13

	U.M.	1
m 1	g	58,3
m 2	g	55,7
m 3	g	44,4
W _p	%	23,0

W_p = 23,0 %

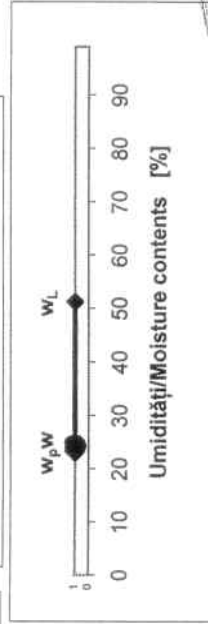


	U.M.	1
m 1	g	213,4
m 2	g	179,2
m 3	g	38,4
W	%	24,3

W = 24,3 %

lc=	0,95
lp=	28,2 %

W_L = 51,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

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S.C. GARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 142

Cota/Depth: -0,60 -1,20 m
 11.09.2008

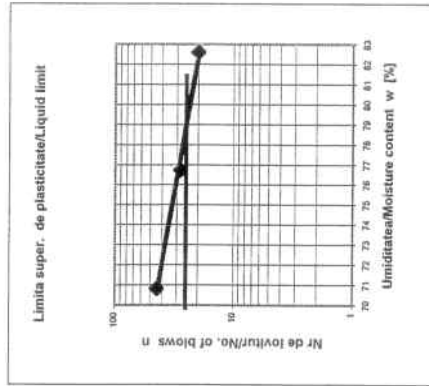
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11092/18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

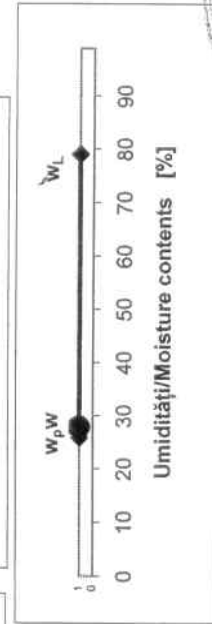
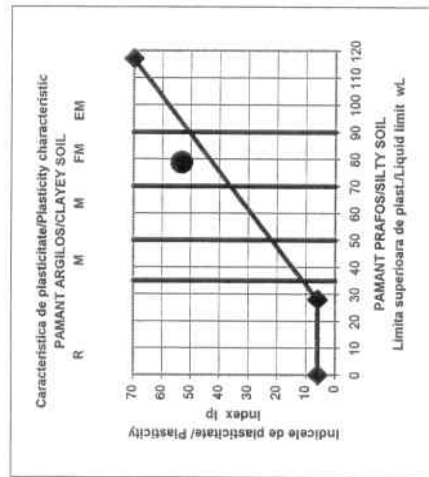
	U.M.	1	2	3
m 1	g	16,3	16,0	16,2
m 2	g	12,9	12,7	12,4
m 3	g	8,1	8,4	7,8
w	%	70,8	76,7	82,6
Nr de lovituri/No. of blows	-	44	28	20

	U.M.	1
m 1	g	37,9
m 2	g	34,1
m 3	g	19,4
Wp	%	25,9

Wp = 25,9 %



WL = 79,0 %



	U.M.	1
m 1	g	153,7
m 2	g	127,7
m 3	g	34,8
w	%	28,0

w = 28,0 %

lc = 0,96
lp = 53,1 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN

Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 143
Cota/Depth: -1,00 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11093 / 18.12.2008

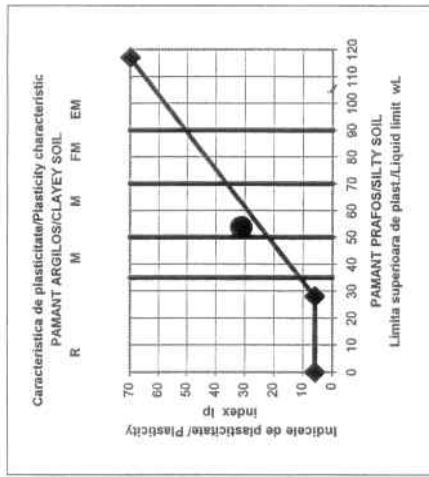
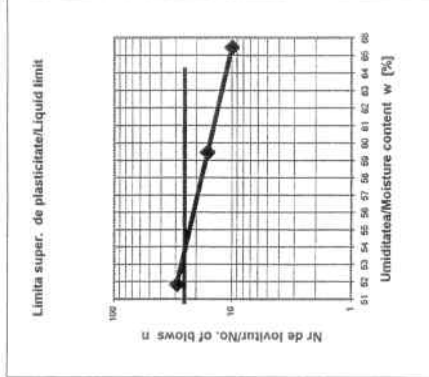
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

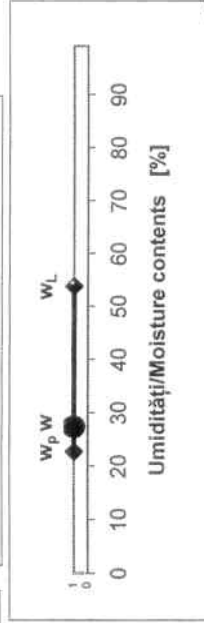
	U.M.	1	2	3
m 1	g	16,4	19,7	17,0
m 2	g	13,6	15,3	13,4
m 3	g	8,2	7,9	7,9
w	%	51,9	59,5	65,5
Nr de lovituri/No. of blows	-	29	16	10

	U.M.	1
m 1	g	29,6
m 2	g	26,4
m 3	g	12,3
Wp	%	22,7

Wp = **22,7 %**



WL = **53,8 %**



	U.M.	1
m 1	g	198,8
m 2	g	163,9
m 3	g	36,8
w	%	27,5

w = **27,5 %**

Ic = 0,85
Ip = 31,1 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘDARA

Autostrada - Task III
 Sondaj nr.: C / 146

Cota/Depth: -0,50 -1,25 m

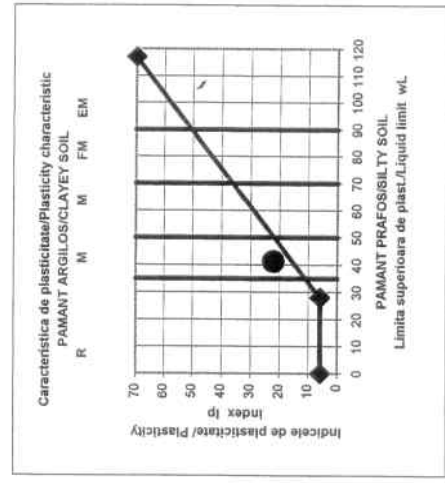
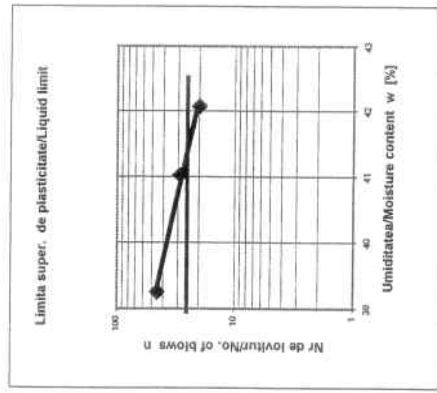
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11094 / 18.12.2004
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	27,2	28,7	33,1
m 2	g	23,0	23,9	27,0
m 3	g	12,3	12,2	12,5
W	%	39,3	41,0	42,1
Nr de lovituri/No. of blows	-	45	29	20

	U.M.	1
m 1	g	45,8
m 2	g	42,3
m 3	g	24,2
W _p	%	19,3

W_p = 19,3 %

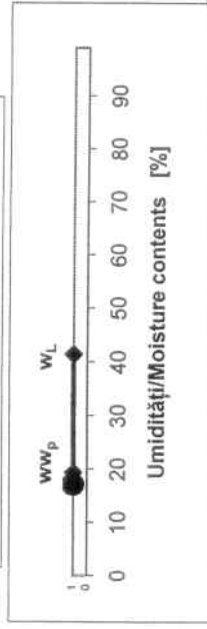


	U.M.	1
m 1	g	201,3
m 2	g	176,9
m 3	g	34,9
W	%	17,2

W = 17,2 %

lc=	1,10
lp=	22,1 %

W_L = 41,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 148

Cota/Depth: -0,30 -1,00 m
11.09.18.12.2004

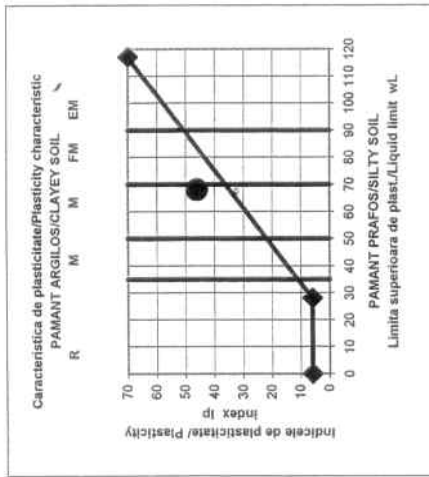
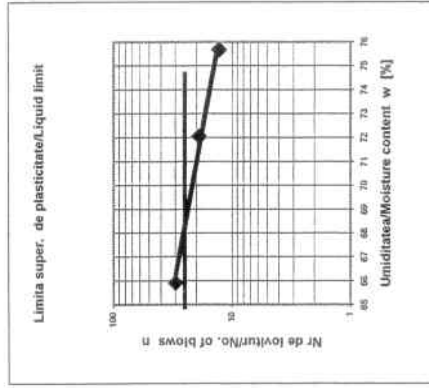
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,8	23,9	25,3
m 2	g	15,9	19,0	19,7
m 3	g	11,5	12,2	12,3
w	%	65,9	72,1	75,7
Nr de lovituri/No. of blows	-	30	19	13

	U.M.	1
m 1	g	38,8
m 2	g	35,9
m 3	g	22,8
Wp	%	22,1

Wp = 22,1 %

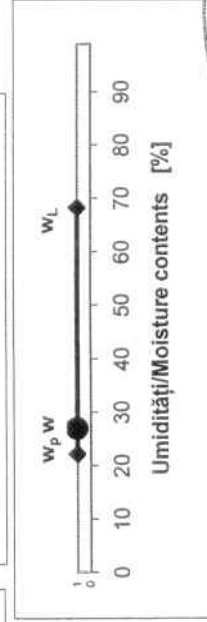


	U.M.	1
m 1	g	155,1
m 2	g	130,2
m 3	g	38,0
w	%	27,0

w = 27,0 %

lc = 0,89
lp = 46,1 %

WL = 68,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 149

Cota/Depth: -1,40 -2,00 m

11096/18.12.2008

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

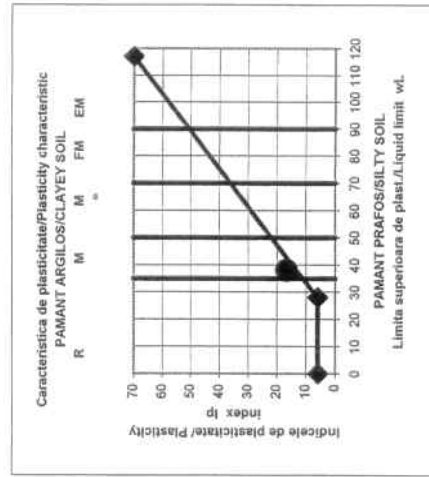
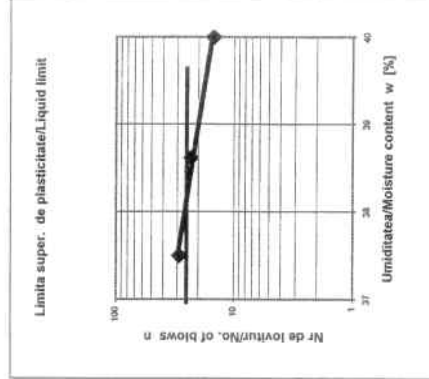
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	28,4	24,0	26,6
m 2	g	24,2	20,1	22,6
m 3	g	13,0	10,0	12,6
W	%	37,5	38,6	40,0
Nr de lovituri/No. of blows	-	29	23	15

	U.M.	1
m 1	g	50,7
m 2	g	47,8
m 3	g	34,4
W _p	%	21,6

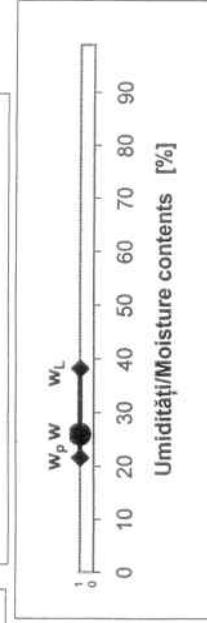
W_p = 21,6 %



	U.M.	1
m 1	g	180,7
m 2	g	150,9
m 3	g	36,5
W	%	26,0

W = 26,0 %

lc =	0,73
lp =	16,6 %



W_L = 38,2 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 150

Cota/Depth: -0,40 -1,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11097/1.18.12.2004

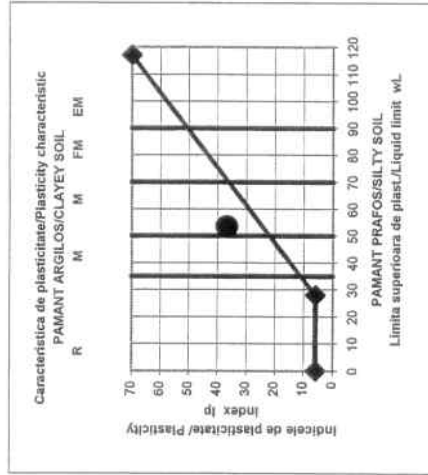
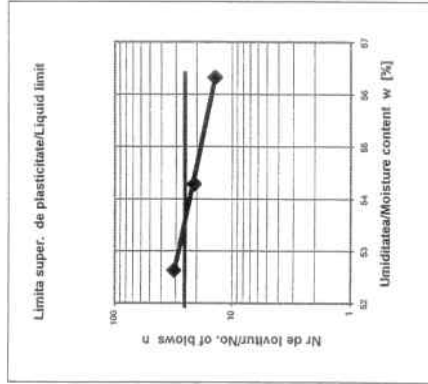
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No 624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	23,9	23,4	30,2
m 2	g	19,9	19,6	25,3
m 3	g	12,3	12,6	16,6
w	%	52,6	54,3	56,3
Nr de lovituri/No. of blows	-	31	21	14

	U.M.	1
m 1	g	38,8
m 2	g	36,7
m 3	g	24,2
Wp	%	16,8

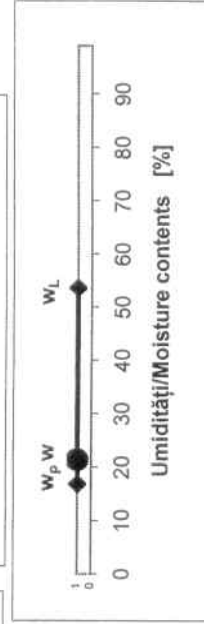
Wp = 16,8 %



	U.M.	1
m 1	g	200,7
m 2	g	171,8
m 3	g	36,9
w	%	21,4

w = 21,4 %

Ic = 0,87
Ip = 36,8 %



Wl = 53,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 151
Cota/Depth: -1,00 -2,00m

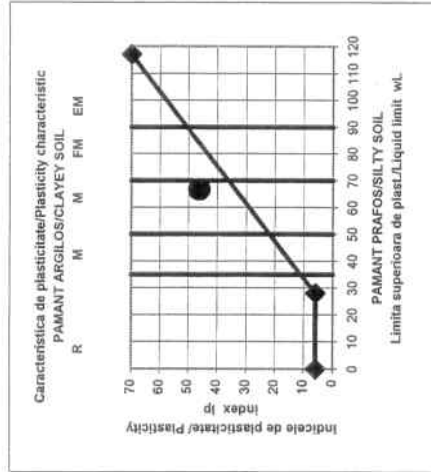
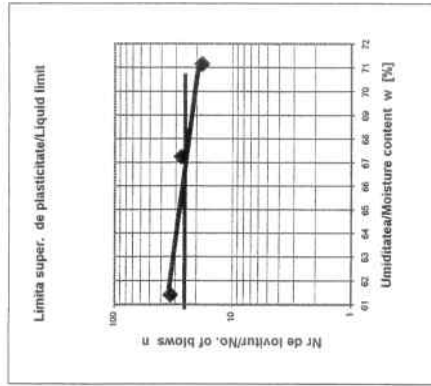
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11098/1.8.12.2008
DETERMINAREA LIMITELOR DE PLAȘTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	17,1	17,4	17,0
m 2	g	13,6	13,5	13,3
m 3	g	7,9	7,7	8,1
W	%	61,4	67,2	71,2
Nr de lovituri/No. of blows	-	33	27	18

	U.M.	1
m 1	g	31,7
m 2	g	29,6
m 3	g	19,4
WP	%	20,6

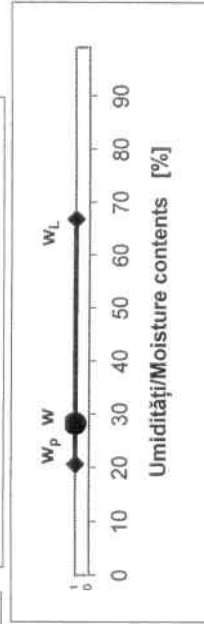
W_P = 20,6 %



	U.M.	1
m 1	g	170,8
m 2	g	141,3
m 3	g	37,0
W	%	28,3

W = 28,3 %

lc= 0,83
lp= 46,2 %



W_L = 66,8 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sonda nr.: C / 152

Cota/Depth: -1,00 -1,80m

BULETIN DE ANALIZĂ nr. 1 / ANALYSIS REPORT no. 11099 / 1.18.12.2008

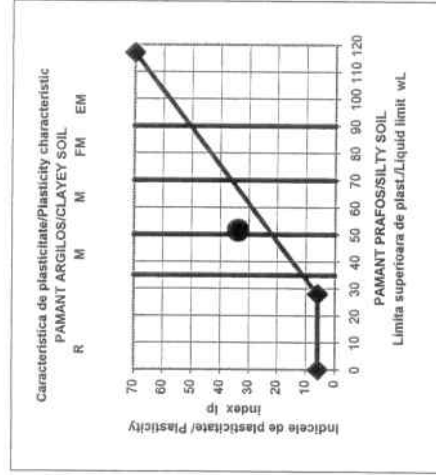
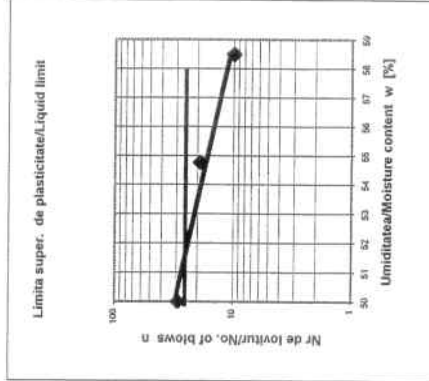
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	30,2	29,3	24,6
m 2	g	24,3	22,4	18,4
m 3	g	12,5	9,8	7,8
W	%	50,0	54,8	58,5
Nr de lovituri/No. of blows	-	29	19	10

	U.M.	1
m 1	g	36,6
m 2	g	34,3
m 3	g	21,5
W _p	%	18,0

W_p = 18,0 %

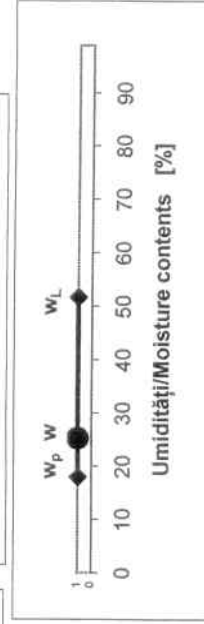


	U.M.	1
m 1	g	188,6
m 2	g	157,7
m 3	g	35,8
W	%	25,3

W = 25,3 %

Ic = 0,78
Ip = 33,7 %

W_L = 51,7 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 153

Cota/Depth: -1,10 -2,00m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1100 / 18.12.2008

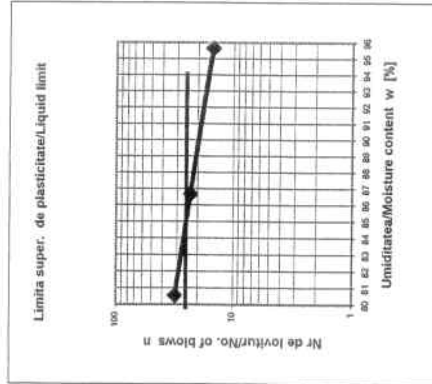
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

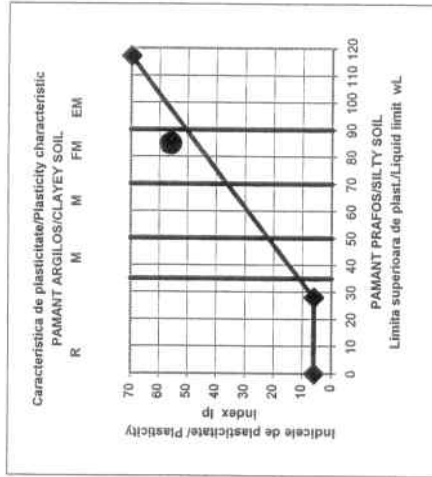
	U.M.	1	2	3
m 1	g	14,5	16,4	17,0
m 2	g	11,6	12,5	12,6
m 3	g	8,0	8,0	8,0
w	%	80,6	86,7	95,7
Nr de lovituri/No. of blows	-	31	23	15

	U.M.	1
m 1	g	37,5
m 2	g	33,9
m 3	g	21,5
Wp	%	29,0

Wp = 29,0 %



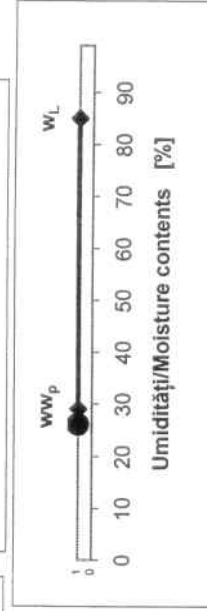
WL = 85,0 %



	U.M.	1
m 1	g	186,5
m 2	g	155,4
m 3	g	36,7
w	%	26,2

w = 26,2 %

IC = 1,05
Ip = 56,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 154
 Cota/Depth: -0,70 -1,20 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1101.....I.S.12.2008.....

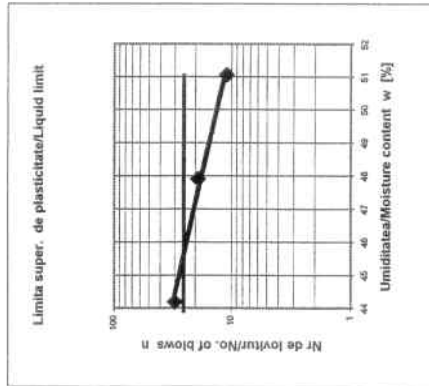
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENȚY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

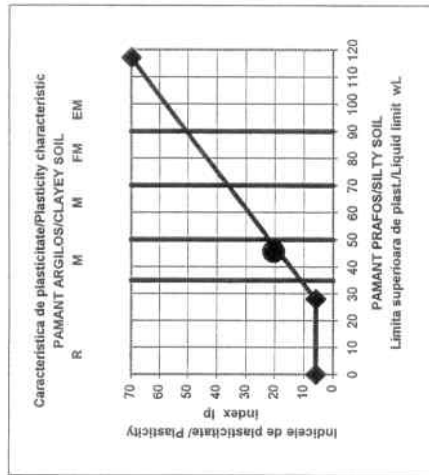
	U.M.	1	2	3
m 1	g	14,2	14,8	15,0
m 2	g	12,3	12,5	12,6
m 3	g	8,0	7,7	7,9
W	%	44,2	47,9	51,1
Nr de lovituri/No. of blows	-	30	19	11

	U.M.	1
m 1	g	57,2
m 2	g	52,6
m 3	g	34,4
W _P	%	25,3

W_P = 25,3 %



W_L = 45,7 %

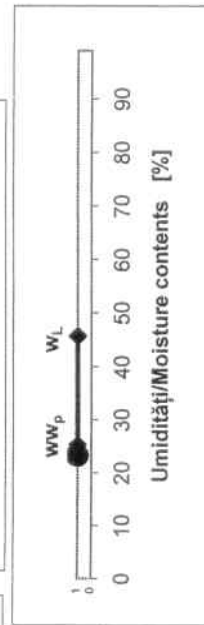


	U.M.	1
m 1	g	222,6
m 2	g	187,5
m 3	g	37,2
W	%	23,4

W = 23,4 %

Ic = 1,09

Ip = 20,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 155

Cota/Depth: -1,10 -2,00 m

1102 / 18.12.2008

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

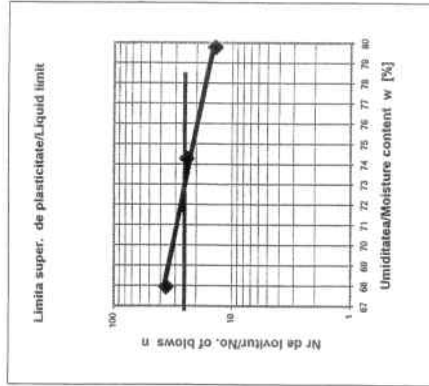
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

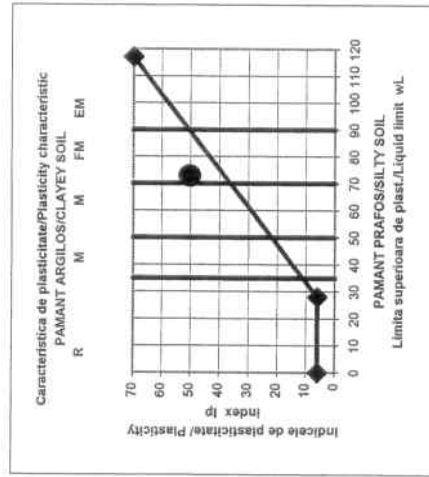
	U.M.	1	2	3
m 1	g	21,1	19,8	23,9
m 2	g	15,8	14,6	16,8
m 3	g	8,0	7,6	7,9
W	%	67,9	74,3	79,8
Nr de lovituri/No. of blows	-	36	24	14

	U.M.	1
m 1	g	37,4
m 2	g	34,7
m 3	g	22,8
Wp	%	22,7

Wp = 22,7 %



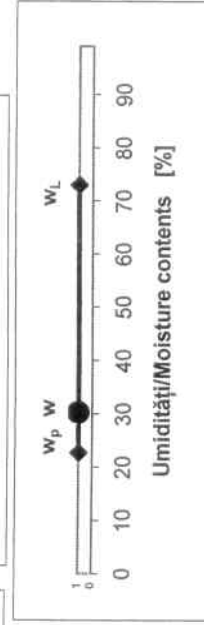
WL = 73,0 %



	U.M.	1
m 1	g	172,5
m 2	g	140,9
m 3	g	36,8
W	%	30,4

W = 30,4 %

lc = 0,85
lp = 50,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task II
Sondaj nr.: C / 157
Cota/Depth: -0,50 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1103 / 18.12.2004

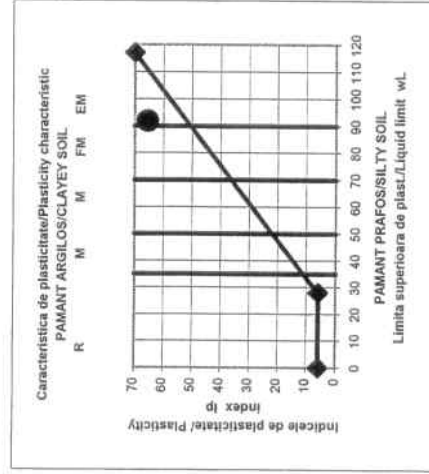
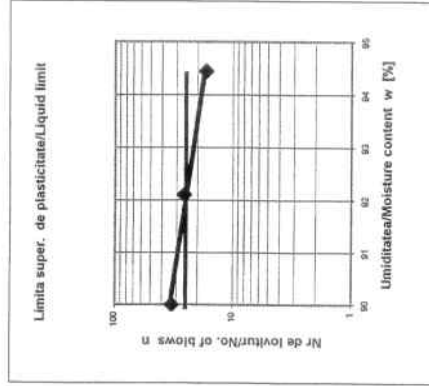
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	15,7	15,4	15,2
m 2	g	12,1	11,9	11,8
m 3	g	8,1	8,1	8,2
W	%	90,0	92,1	94,4
Nr de lovituri/No. of blows	-	33	26	17

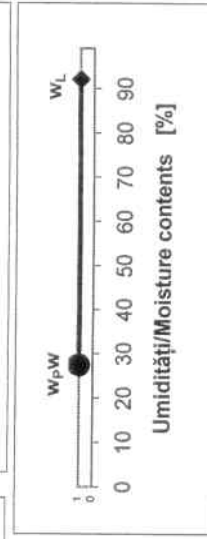
	U.M.	1
m 1	g	34,3
m 2	g	32,2
m 3	g	24,3
W _P	%	26,6

W_P = 26,6 %



	U.M.	1
m 1	g	150,5
m 2	g	126,1
m 3	g	37,3
W	%	27,4

W = 27,4 %



W_L = 92,0 %

lc=	0,99
lp=	65,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 158

Cota/Depth: -0,50 -1,20 m

BULETIN DE ANALIZĂ nr. 1104 / ANALYSIS REPORT no. 1104 / 18.12.2008

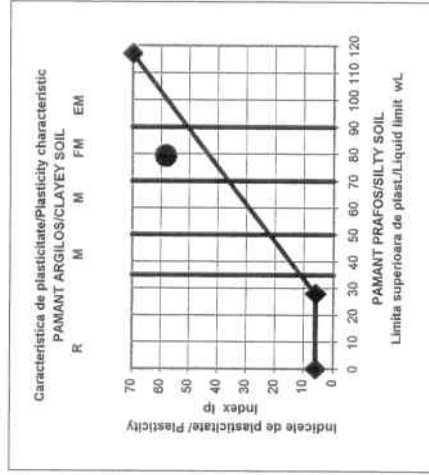
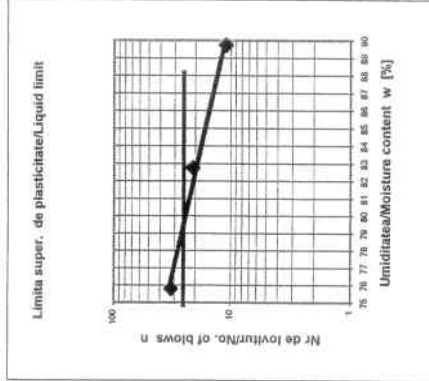
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,9	18,4	22,9
m 2	g	14,2	13,6	15,9
m 3	g	8,0	7,8	8,1
W	%	75,8	82,8	89,7
Nr de lovituri/No. of blows	-	32	21	11

	U.M.	1
m 1	g	38,5
m 2	g	35,9
m 3	g	23,7
W _P	%	21,3

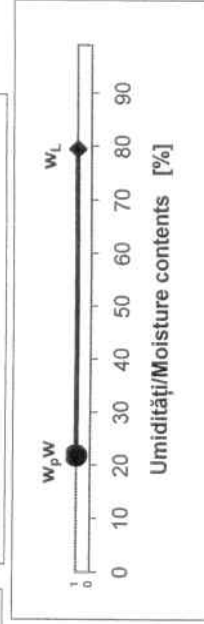
W_P = 21,3 %



	U.M.	1
m 1	g	179,7
m 2	g	154,1
m 3	g	37,0
W	%	21,9

W = 21,9 %

Ic =	0,99
Ip =	58,2 %



W_L = 79,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task II
Sondaj nr.: C / 159
Cota/Depth: -1,20 m

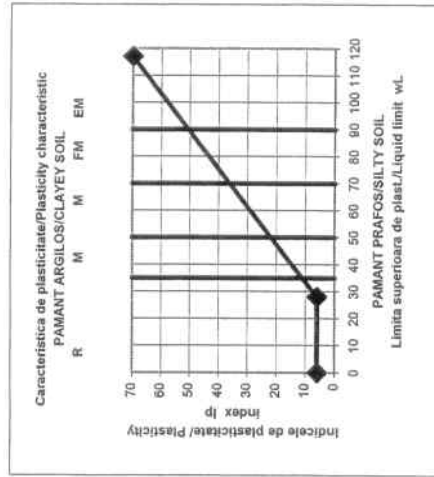
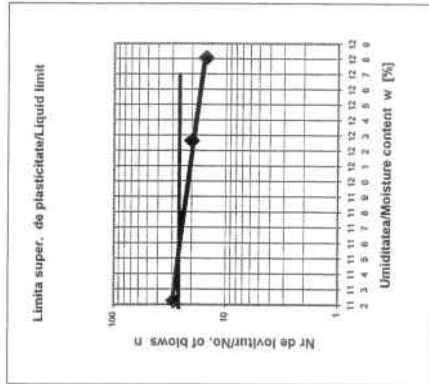
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. M105 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,8	25,0	24,8
m 2	g	17,3	18,5	17,5
m 3	g	12,4	13,2	11,8
W	%	112,2	122,6	128,1
Nr de lovituri/No. of blows	-	29	20	15

	U.M.	1
m 1	g	37,4
m 2	g	33,3
m 3	g	23,7
Wp	%	42,7

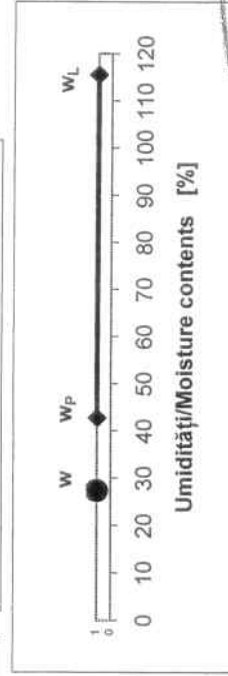
$W_p = 42,7 \%$



	U.M.	1
m 1	g	150,5
m 2	g	126,1
m 3	g	37,3
W	%	27,4

$W = 27,4 \%$

lc=	1,21
lp=	72,8 %



$W_L = 115,5 \%$

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 160
Cota/Depth: -0,60 -1,00 m

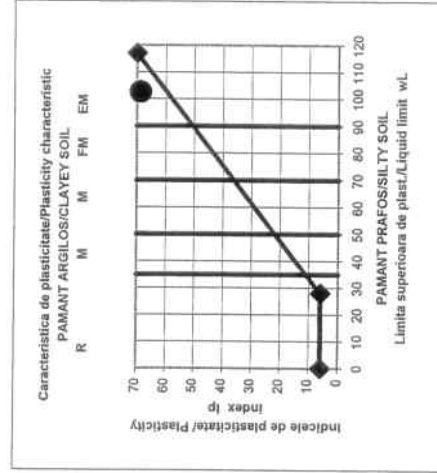
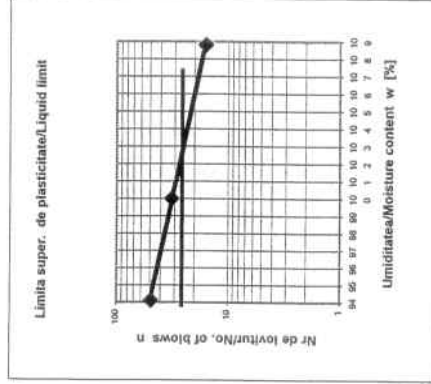
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1106 / 1.8.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	14,8	15,9	15,3
m 2	g	11,6	12,0	11,6
m 3	g	8,2	8,1	8,2
w	%	94,1	100,0	108,8
Nr de lovituri/No. of blows	-	49	32	16

	U.M.	1
m 1	g	54,9
m 2	g	49,7
m 3	g	34,4
W _p	%	34,0

W_p = 34,0 %

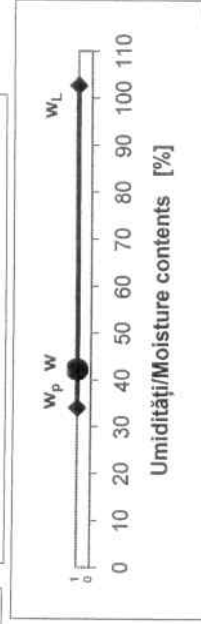


	U.M.	1
m 1	g	136,9
m 2	g	107,4
m 3	g	37,6
w	%	42,3

w = 42,3 %

Ic = 0,88
Ip = 68,7 %

W_L = 102,7 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 161

Cota/Depth: -1,00 -2,00 m
1107/18/2.2008

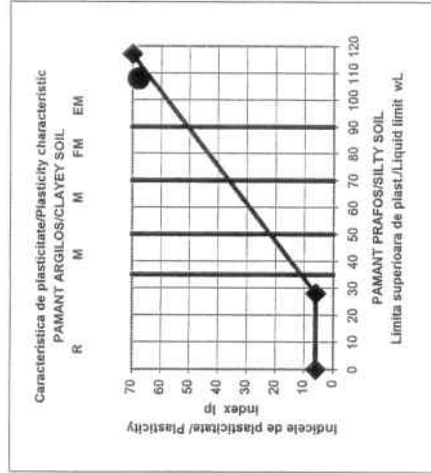
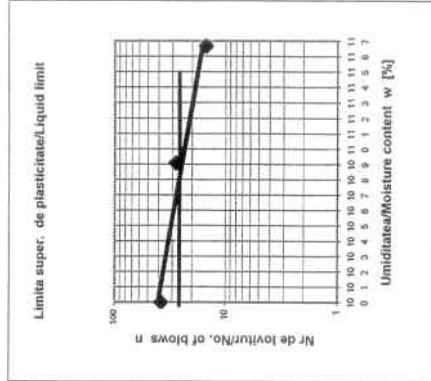
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	20,6	21,5	20,7
m 2	g	14,4	14,3	13,7
m 3	g	8,2	7,7	7,7
W	%	100,0	109,1	116,7
Nr de lovituri/No. of blows	-	38	28	15

	U.M.	1
m 1	g	37,2
m 2	g	32,7
m 3	g	21,5
W _p	%	40,2

W_p = **40,2 %**

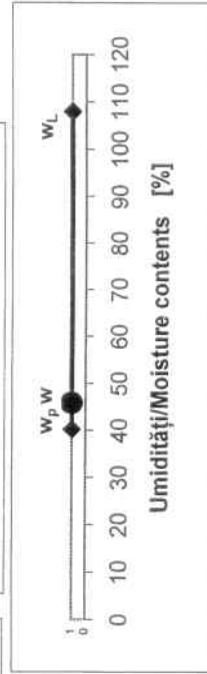


	U.M.	1
m 1	g	165,8
m 2	g	125,1
m 3	g	36,5
W	%	45,9

W = **45,9 %**

Ic = 0,92
Ip = 67,8 %

W_L = 108,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 162

Cota/Depth: -0,70 - 0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11108 / 18.12.2008

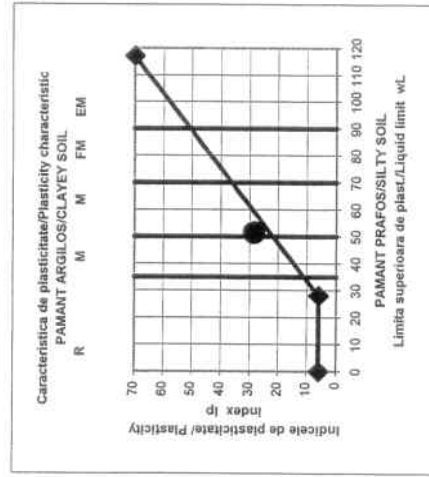
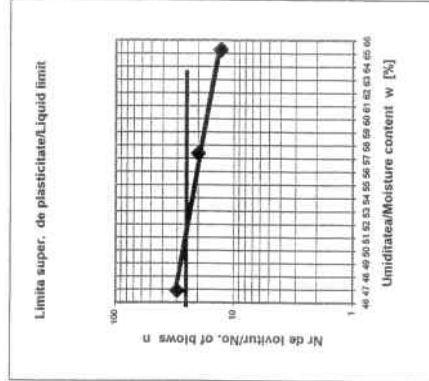
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	21,8	26,0	31,0
m 2	g	18,0	22,5	26,3
m 3	g	9,9	16,4	19,1
w	%	46,9	57,4	65,3
Nr de lovituri/No. of blows	-	30	20	13

	U.M.	1
m 1	g	39,6
m 2	g	36,2
m 3	g	21,5
W _p	%	23,1

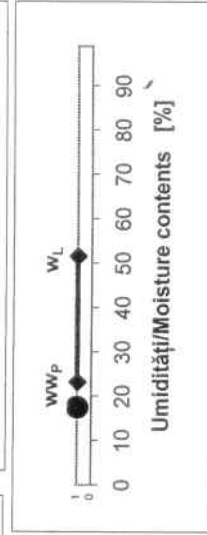
W_p = 23,1 %



	U.M.	1
m 1	g	166,0
m 2	g	147,3
m 3	g	40,5
w	%	17,5

w = 17,5 %

lc =	1,20
lp =	28,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 163

Cota/Depth: -1,20 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11109 / 18.12.2008

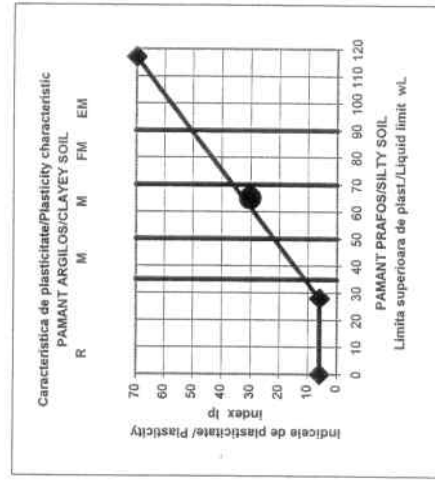
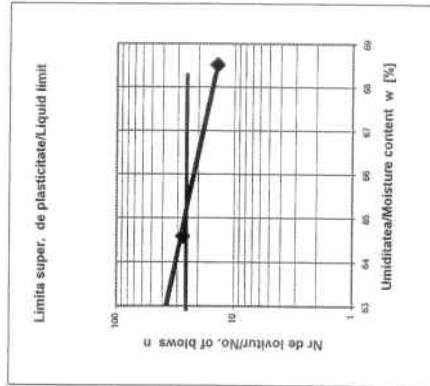
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,8	16,1	16,8
m 2	g	13,4	13,0	13,1
m 3	g	8,0	8,2	7,7
W	%	63,0	64,6	68,5
Nr de lovituri/No. of blows	-	38	27	14

	U.M.	1
m 1	g	38,6
m 2	g	34,5
m 3	g	22,8
W _P	%	35,0

W_P = 35,0 %

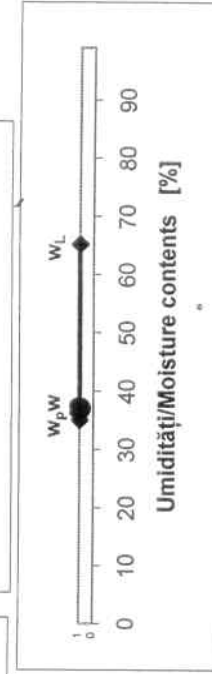


	U.M.	1
m 1	g	221,8
m 2	g	175,4
m 3	g	50,2
W	%	37,1

W = 37,1 %

Ic =	0,93
I _p =	30,2 %

W_L = 65,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 165

Cota/Depth: -0,50 -1,30 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1110 / 18.12.2008

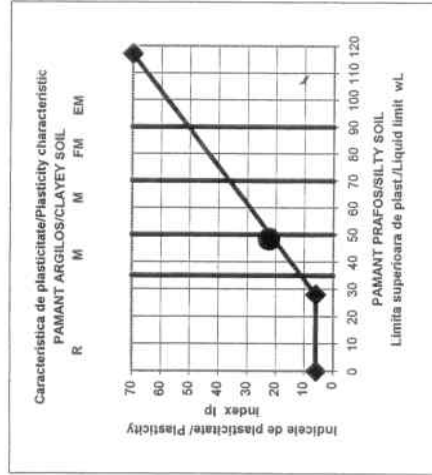
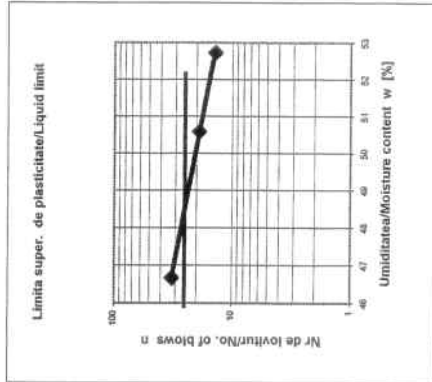
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,0	26,1	29,2
m 2	g	15,5	21,7	23,4
m 3	g	8,0	13,0	12,4
w	%	46,7	50,6	52,7
Nr de lovituri/No. of blows	-	32	19	14

	U.M.	1
m 1	g	35,3
m 2	g	32,0
m 3	g	19,4
Wp	%	26,2

Wp = 26,2 %

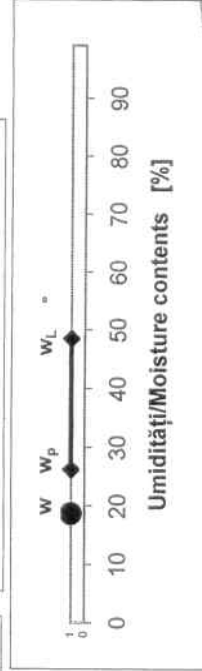


	U.M.	1
m 1	g	216,7
m 2	g	188,3
m 3	g	36,4
w	%	18,7

w = 18,7 %

lc=	1,34
lp=	22,3 %

WL = 48,5 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.G. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III

Sondej nr.: C / 167

Cota/Depth: -1,30 -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1111 / 18.12.2008

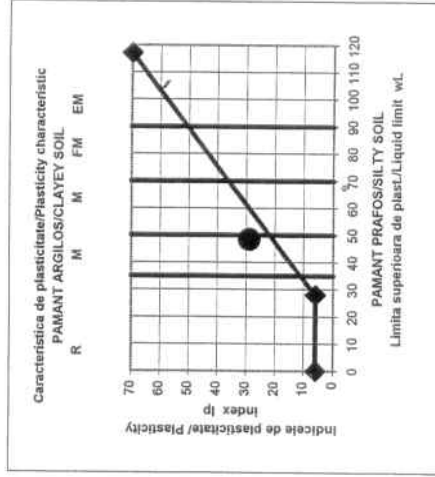
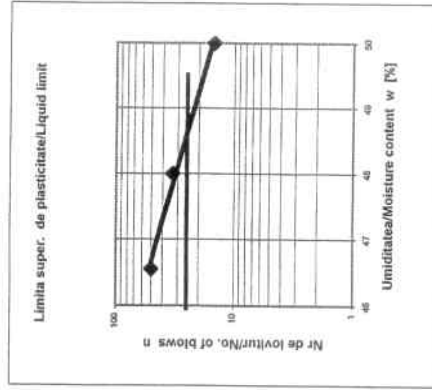
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,5	15,3	16,1
m 2	g	13,8	12,9	13,4
m 3	g	8,0	7,9	8,0
w	%	46,6	48,0	50,0
Nr de lovituri/No. of blows	-	50	33	15

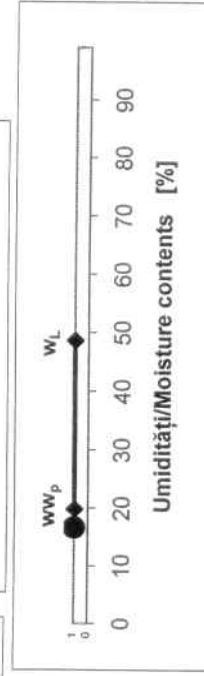
	U.M.	1
m 1	g	39,5
m 2	g	36,9
m 3	g	23,7
Wp	%	19,8

Wp = 19,8 %



	U.M.	1
m 1	g	228,8
m 2	g	201,7
m 3	g	39,1
w	%	16,7

w = 16,7 %



wL = 48,6 %

lc = 1,11
lp = 28,8 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 168

Cota/Depth: -0,70 -1,30 m
 18.12.2008

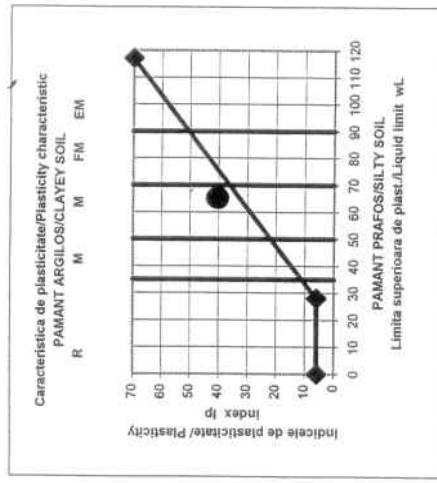
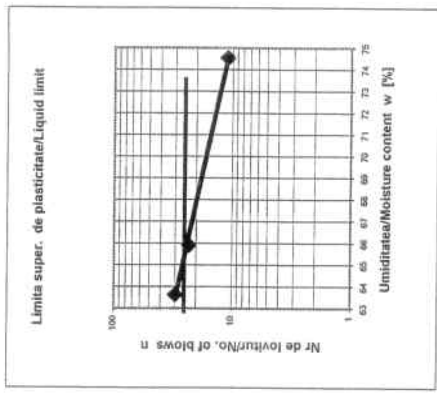
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	15,3	15,2	17,8
m 2	g	12,5	12,3	13,7
m 3	g	8,1	7,9	8,2
w	%	63,6	65,9	74,5
Nr de lovituri/No. of blows	-	30	23	11

	U.M.	1
m 1	g	21,8
m 2	g	19,9
m 3	g	12,3
w _p	%	25,0

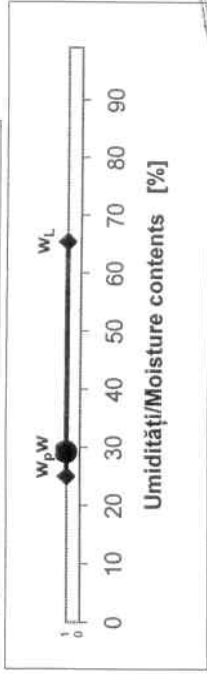
w_p = 25,0 %



	U.M.	1
m 1	g	184,8
m 2	g	152,0
m 3	g	40,0
w	%	29,3

w = 29,3 %

IC = 0,89
Ip = 40,4 %



w_L = 65,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 170

Cota/Depth: -1,50 -2,00 m
 1.1.13 1.18.12.2008

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

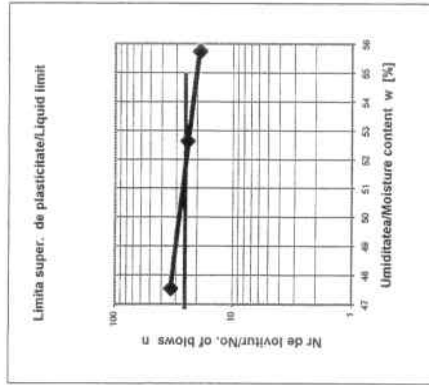
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

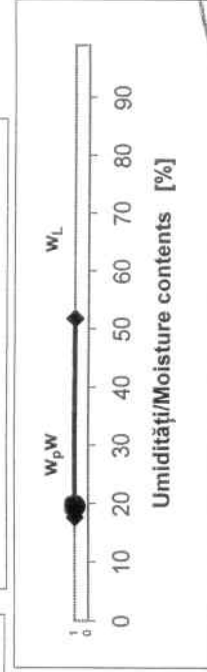
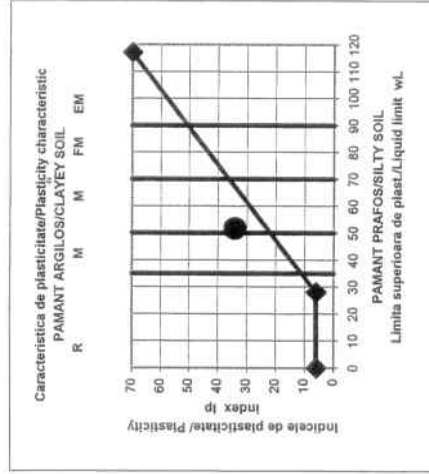
	U.M.	1	2	3
m 1	g	17,3	16,6	17,7
m 2	g	14,4	13,6	14,3
m 3	g	8,3	7,9	8,2
w	%	47,5	52,6	55,7
Nr de lovituri/No. of blows	-	33	24	19

	U.M.	1
m 1	g	22,3
m 2	g	20,8
m 3	g	12,3
w _p	%	17,6

w_p = 17,6 %



w_L = 51,8 %



	U.M.	1
m 1	g	186,5
m 2	g	162,3
m 3	g	39,0
w	%	19,6

w = 19,6 %

Ic = 0,94
Ip = 34,2 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 174
Cota/Depth: -0,80 m

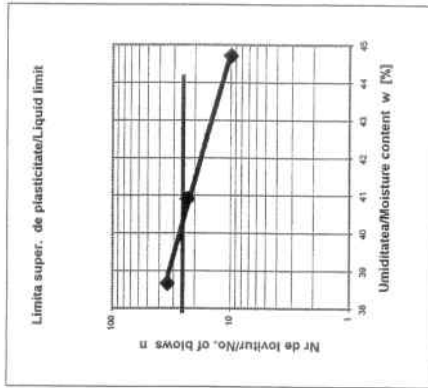
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1111 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

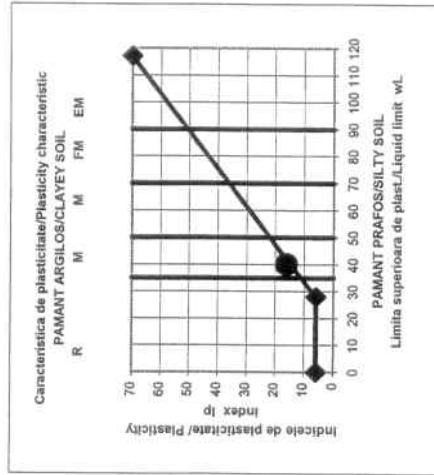
	U.M.	1	2	3
m 1	g	18,6	17,6	20,2
m 2	g	15,7	14,9	16,4
m 3	g	8,2	8,3	7,9
w	%	38,7	40,9	44,7
Nr de lovituri/No. of blows	-	34	23	10

	U.M.	1
m 1	g	58,4
m 2	g	55,7
m 3	g	44,5
Wp	%	24,1

$w_p = 24,1 \%$



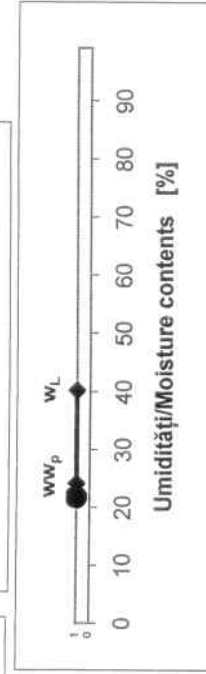
$w_L = 40,2 \%$



	U.M.	1
m 1	g	195,5
m 2	g	167,4
m 3	g	38,5
w	%	21,8

$w = 21,8 \%$

$I_c = 1,14$
$I_p = 16,1 \%$



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 175
Cota/Depth: -1,50 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. *MIIS 1.18.12.2004*

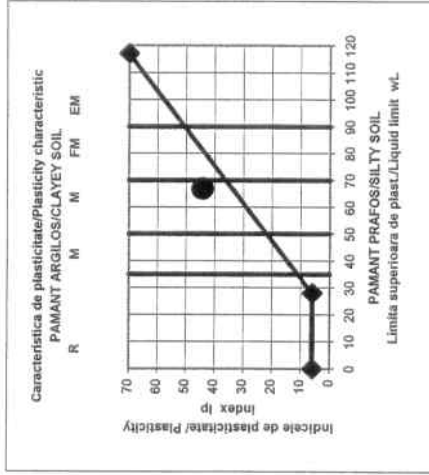
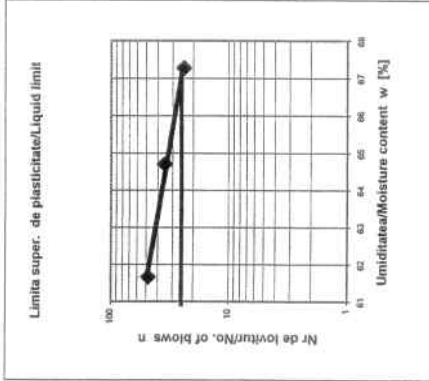
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	21,2	19,4	16,9
m 2	g	17,5	15,0	13,2
m 3	g	11,5	8,2	7,7
W	%	61,7	64,7	67,3
Nr de lovituri/No. of blows	-	48	35	24

	U.M.	1
m 1	g	23,3
m 2	g	20,8
m 3	g	9,8
W _P	%	22,7

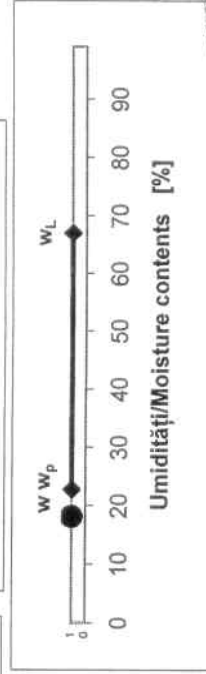
W_P = 22,7 %



	U.M.	1
m 1	g	160,3
m 2	g	141,3
m 3	g	36,7
W	%	18,2

W = 18,2 %

lc=	1,10
lp=	44,3 %



W_L = 67,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 176
 Cota/Depth: -0,70 m

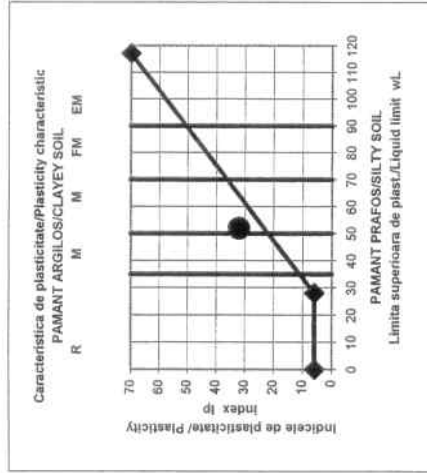
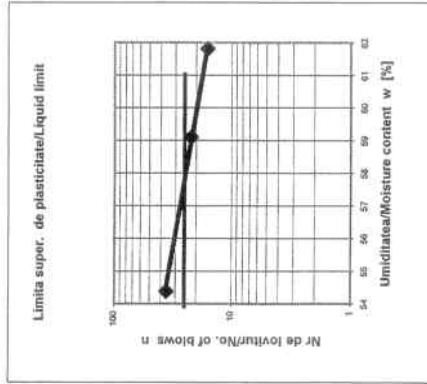
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1.116.....1.18.12.2008
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,8	15,0	16,8
m 2	g	13,7	12,4	13,4
m 3	g	8,0	8,0	7,9
w	%	54,4	59,1	61,8
Nr de lovituri/No. of blows	-	36	22	16

	U.M.	1
m 1	g	36,8
m 2	g	34,7
m 3	g	24,2
Wp	%	20,0

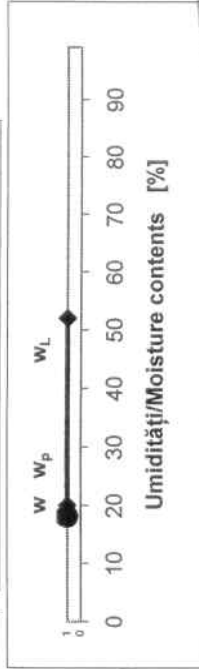
Wp = 20,0 %



	U.M.	1
m 1	g	160,3
m 2	g	141,3
m 3	g	36,7
w	%	18,2

w = 18,2 %

lc=	1,06
lp=	32,0 %



WL = 57,8 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 177
Cota/Depth: -2,00 m

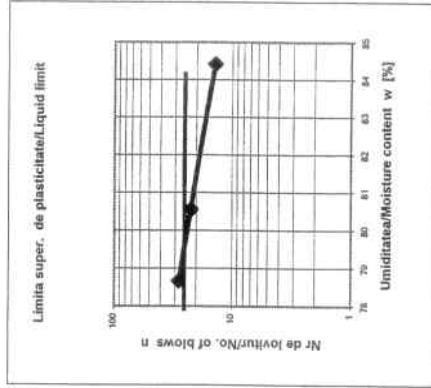
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1117 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

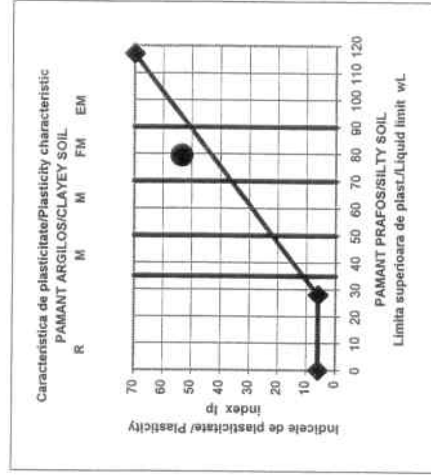
	U.M.	1	2	3
m 1	g	25,6	25,4	26,5
m 2	g	19,7	19,6	20,0
m 3	g	12,2	12,4	12,3
w	%	78,7	80,6	84,4
Nr de lovituri/No. of blows	-	28	22	14

	U.M.	1
m 1	g	40,6
m 2	g	36,9
m 3	g	22,8
WP	%	26,2

W_p = 26,2 %



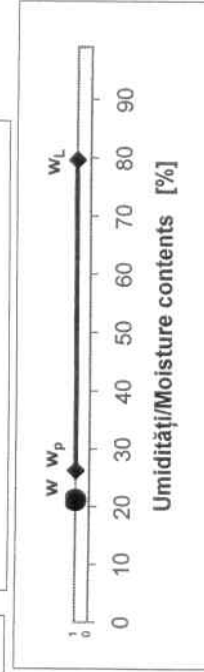
w_L = 79,6 %



	U.M.	1
m 1	g	159,4
m 2	g	138,9
m 3	g	42,3
w	%	21,2

w = 21,2 %

I_c = 1,09
I_p = 53,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 179
Cota/Depth: -1,50 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1118 / 18.12.2004

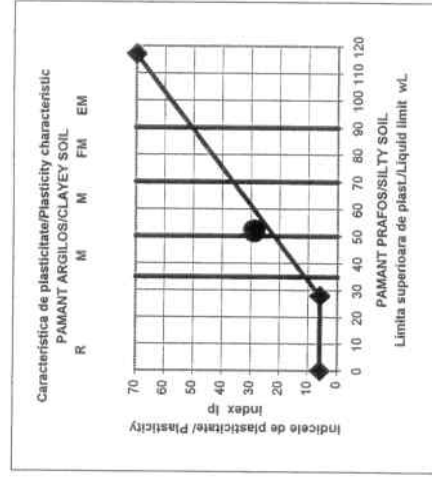
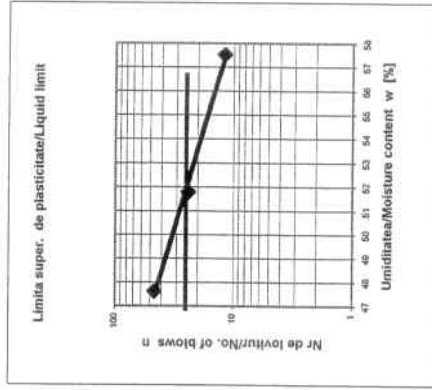
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	20,6	16,6	23,1
m 2	g	16,6	13,7	18,9
m 3	g	8,2	8,1	11,6
w	%	47,6	51,8	57,5
Nr de lovituri/No. of blows	-	46	24	12

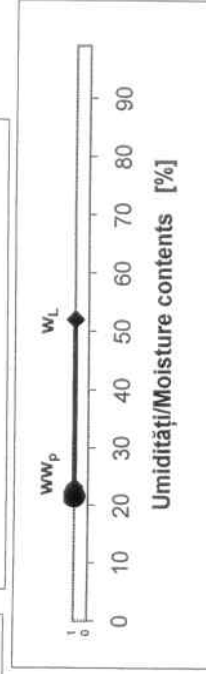
	U.M.	1
m 1	g	39,1
m 2	g	35,8
m 3	g	21,5
WP	%	23,1

W_P = 23,1 %



	U.M.	1
m 1	g	181,2
m 2	g	156,3
m 3	g	40,8
w	%	21,6

w = 21,6 %



W_L = 52,0 %

lc = 1,05
lp = 28,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

Pag. 1/1



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 180
Cota/Depth: -0,50 m

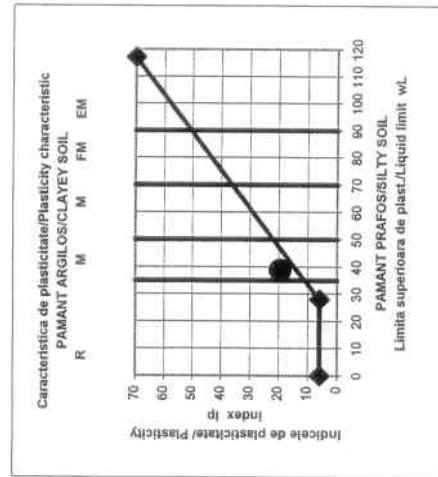
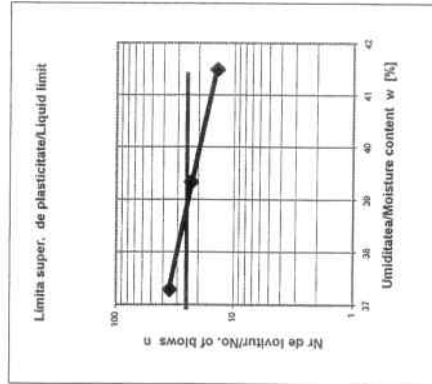
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11119 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	21,1	23,3	21,4
m 2	g	18,9	19,8	17,5
m 3	g	13,0	10,9	8,1
w	%	37,3	39,3	41,5
Nr de lovituri/No. of blows	-	35	23	14

	U.M.	1
m 1	g	38,4
m 2	g	36,0
m 3	g	23,7
Wp	%	19,5

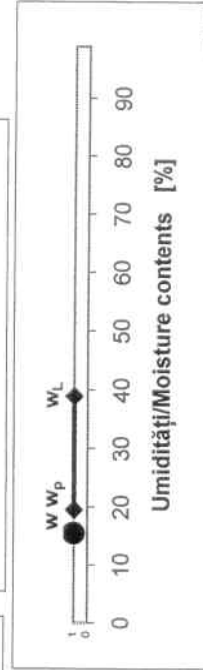
Wp = 19,5 %



	U.M.	1
m 1	g	204,3
m 2	g	182,3
m 3	g	40,5
w	%	15,5

w = 15,5 %

Ic = 1,21
Ip = 19,4 %



WL = 38,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 181
 Cota/Depth: -1,60 m

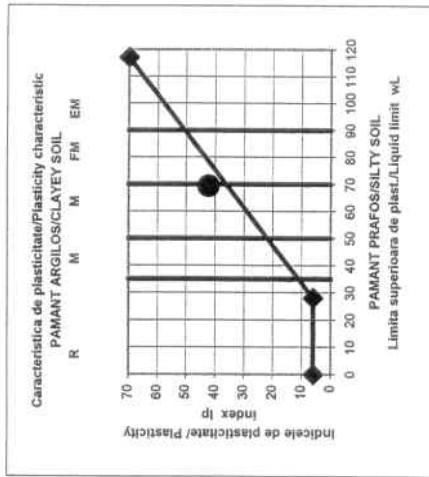
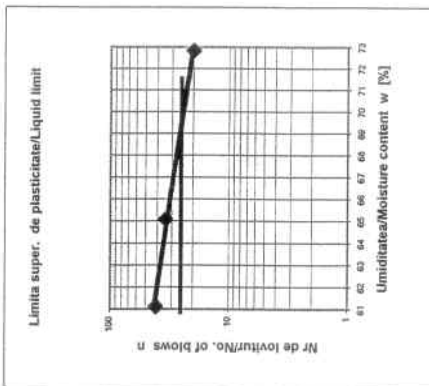
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11120 / 18/12/2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	23,9	22,6	33,1
m 2	g	19,5	18,5	27,2
m 3	g	12,3	12,2	19,1
w	%	61,1	65,1	72,8
Nr de lovituri/No. of blows	-	41	34	20

	U.M.	1
m 1	g	40,1
m 2	g	36,7
m 3	g	24,2
W _P	%	27,2

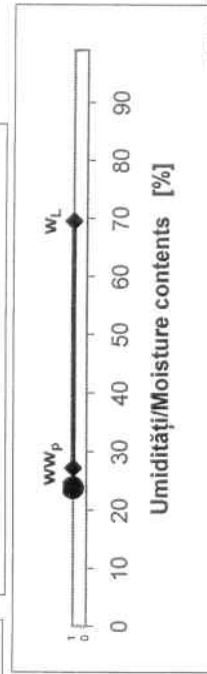
W_P = 27,2 %



	U.M.	1
m 1	g	171,3
m 2	g	145,0
m 3	g	34,9
w	%	23,9

w = 23,9 %

l _c = 1,08
l _p = 42,3 %



w_L = 69,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C/182
Cota/Depth: -0,80 m

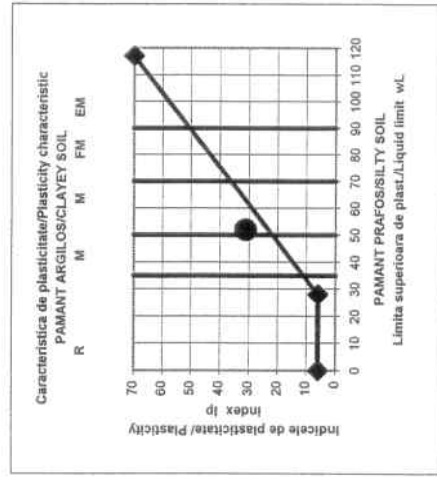
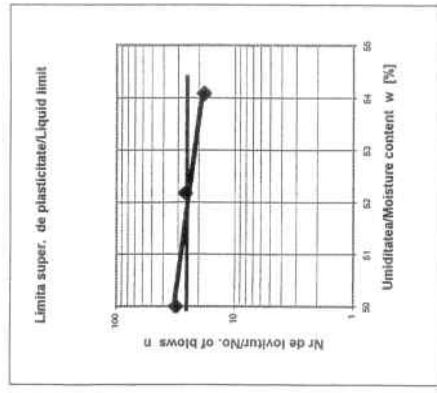
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1112 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	20,4	22,7	27,5
m 2	g	16,9	19,1	22,2
m 3	g	9,9	12,2	12,4
W	%	50,0	52,2	54,1
Nr de lovituri/No. of blows	-	31	26	18

	U.M.	1
m 1	g	33,3
m 2	g	30,9
m 3	g	19,4
W _P	%	20,9

W_P = 20,9 %

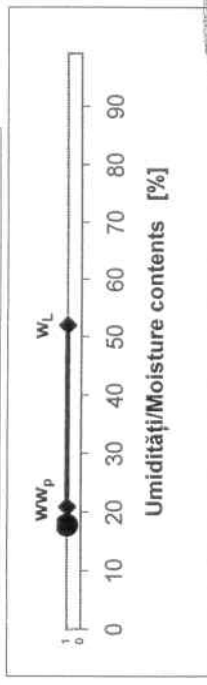


	U.M.	1
m 1	g	184,2
m 2	g	162,2
m 3	g	39,1
W	%	17,9

W = 17,9 %

lc=	1,10
lp=	31,1 %

W_L = 52,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]
Pag. 1/1





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 184
Cota/Depth: -1,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 111221.18.12.2004

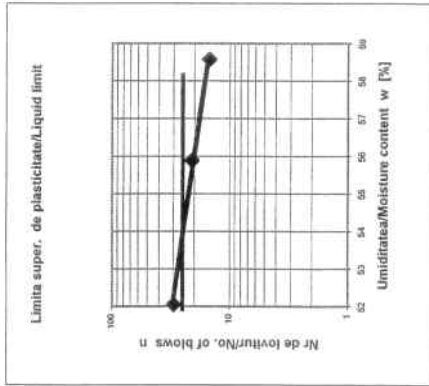
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

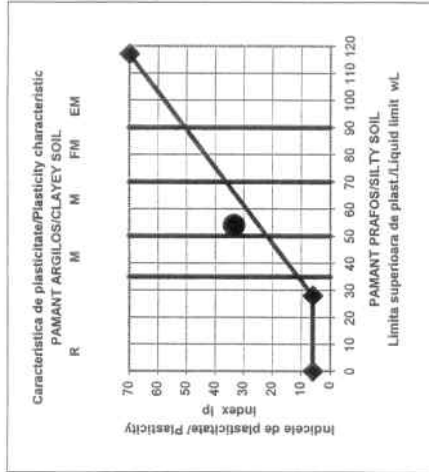
	U.M.	1	2	3
m 1	g	19,0	23,7	19,0
m 2	g	15,2	18,0	14,9
m 3	g	7,9	7,8	7,9
w	%	52,1	55,9	58,6
Nr de lovituri/No. of blows	-	30	21	15

	U.M.	1
m 1	g	38,3
m 2	g	35,8
m 3	g	23,7
W _P	%	20,7

W_P = 20,7 %



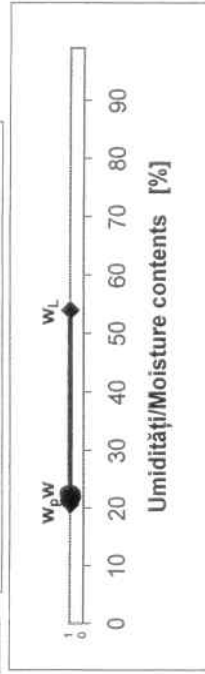
W_L = 54,0 %



	U.M.	1
m 1	g	156,6
m 2	g	134,8
m 3	g	36,4
w	%	22,2

w = 22,2 %

lc=	0,96
lp=	33,3 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 186
Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1123.1.18.12.2008

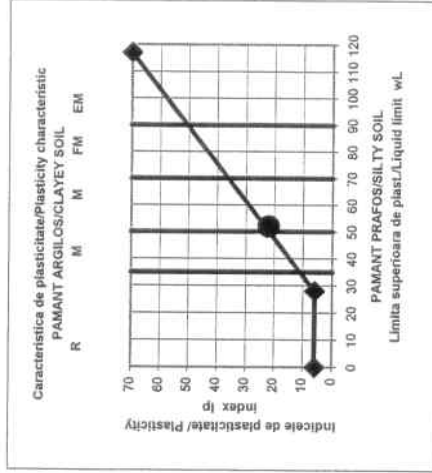
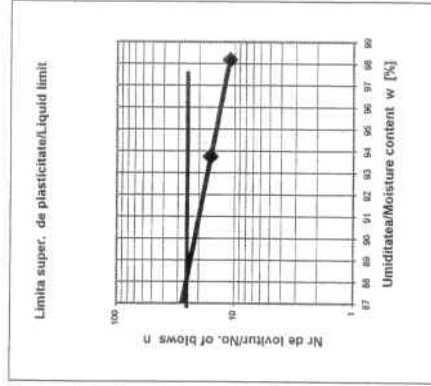
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,2	20,3	23,2
m 2	g	12,3	15,8	17,8
m 3	g	7,8	11,0	12,3
w	%	86,7	93,8	98,2
Nr de lovituri/No. of blows	-	28	16	11

	U.M.	1
m 1	g	39,8
m 2	g	36,2
m 3	g	24,2
WP	%	30,0

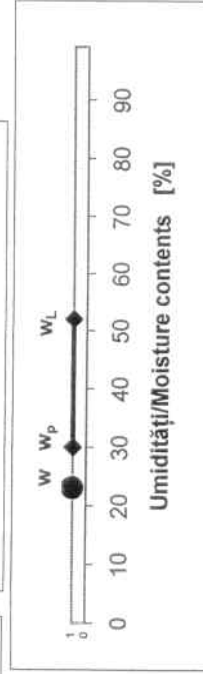
W_p = 30,0 %



	U.M.	1
m 1	g	133,0
m 2	g	115,6
m 3	g	40,4
w	%	23,1

w = 23,1 %

lc = 1,31
lp = 22,0 %



w_L = 88,1 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

Pag. 1/1



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 187

Cota/Depth: -0,80 m

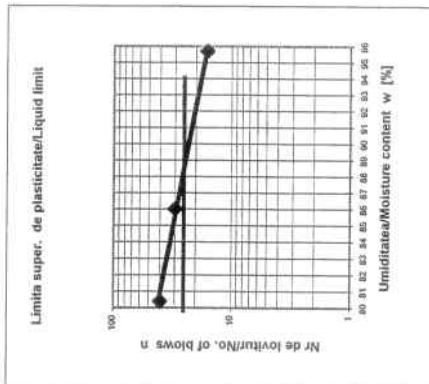
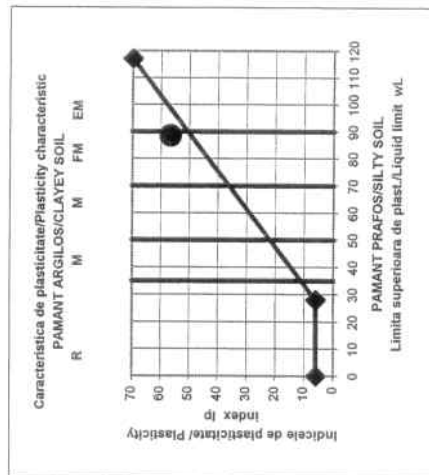
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11124 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

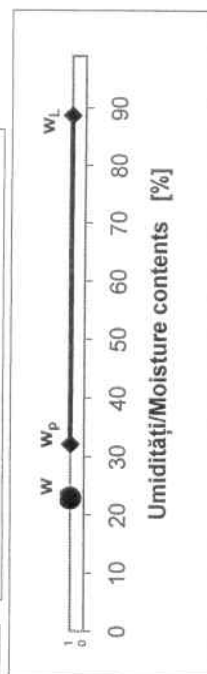
	U.M.	1	2	3
m 1	g	17,2	19,6	26,2
m 2	g	13,1	15,3	19,5
m 3	g	8,0	10,3	12,5
w	%	80,4	86,0	95,7
Nr de lovituri/No. of blows	-	40	30	16

	U.M.	1
m 1	g	62,5
m 2	g	58,1
m 3	g	44,4
Wp	%	32,1

Wp = 32,1 %



W_L = 88,7 %



	U.M.	1
m 1	g	177,5
m 2	g	151,9
m 3	g	40,4
w	%	23,0

w = 23,0 %

lc=	1,16
lp=	56,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 189
Cota/Depth: -0,80 m

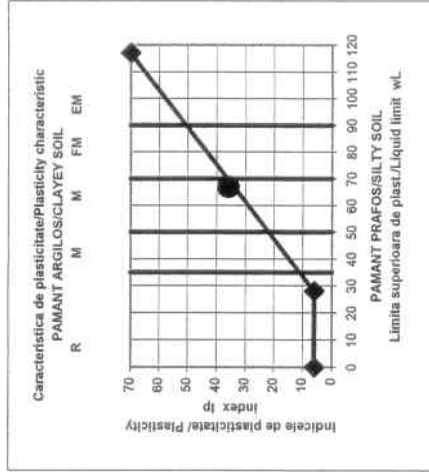
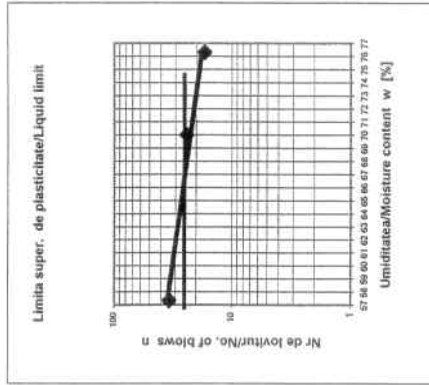
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11125 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,7	25,6	14,7
m 2	g	14,8	20,0	11,8
m 3	g	8,0	12,0	8,0
w	%	57,4	70,0	76,3
Nr de lovituri/No. of blows	-	34	24	17

	U.M.	1
m 1	g	35,4
m 2	g	32,1
m 3	g	21,5
Wp	%	31,1

Wp = 31,1 %

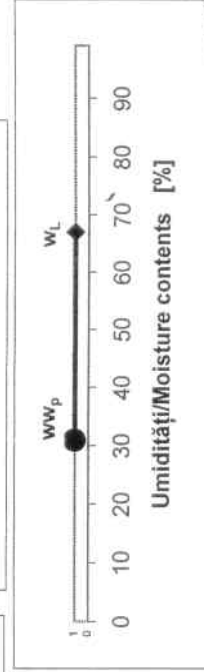


	U.M.	1
m 1	g	165,9
m 2	g	135,9
m 3	g	39,1
w	%	31,0

w = 31,0 %

lc = 1,00
lp = 35,9 %

WL = 67,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.G. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 190
Cota/Depth: -2,00 - 2,20 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11126/18.12.2008

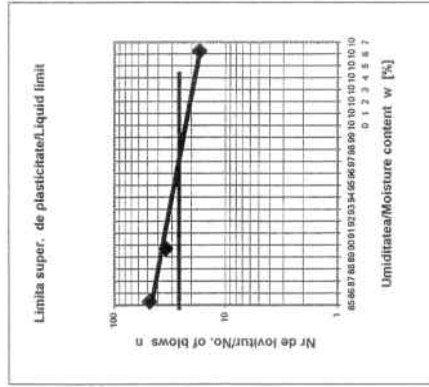
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

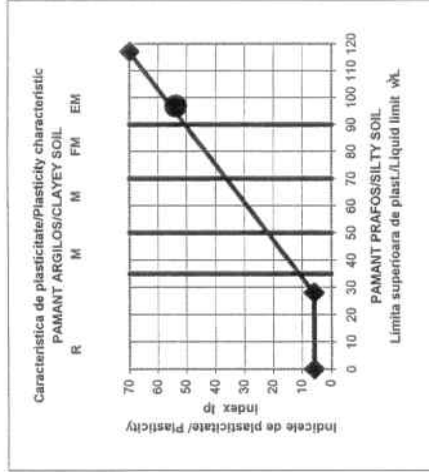
	U.M.	1	2	3
m 1	g	14,3	25,4	25,6
m 2	g	11,4	19,3	18,8
m 3	g	8,0	12,5	12,4
w	%	85,3	89,7	106,3
Nr de lovituri/No. of blows	-	48	34	17

	U.M.	1
m 1	g	61,3
m 2	g	56,2
m 3	g	44,4
W _p	%	43,2

W_p = 43,2 %



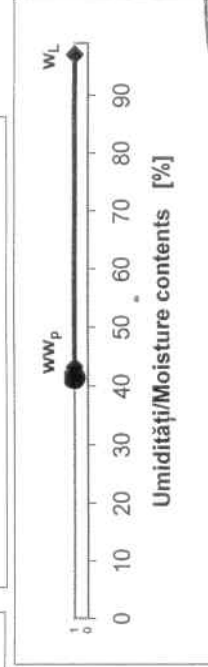
W_L = 97,0 %



	U.M.	1
m 1	g	130,0
m 2	g	103,0
m 3	g	37,9
W	%	41,5

W = 41,5 %

I_c = 1,03
I_p = 53,8 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 191
 Cota/Depth: -1,60 m

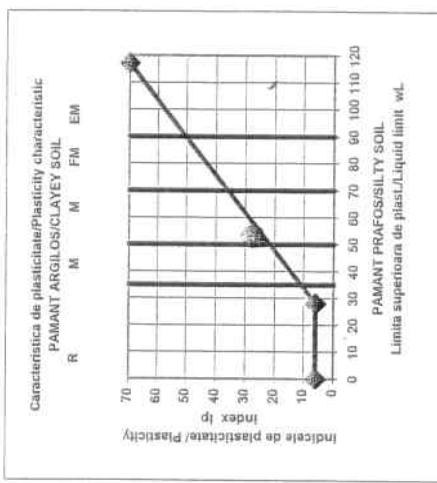
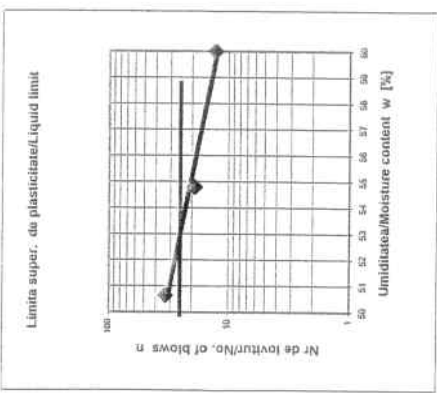
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11458 / 19.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,6	21,7	17,6
m 2	g	15,0	17,7	14,0
m 3	g	7,9	10,4	8,0
w	%	50,6	54,8	60,0
Nr de lovituri/No. of blows	-	33	19	13

	U.M.	1
m 1	g	37,1
m 2	g	34,2
m 3	g	22,8
Wp	%	25,4

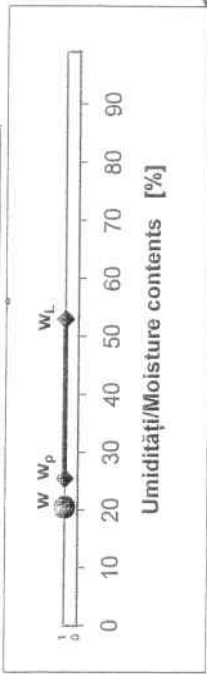
Wp = 25,4 %



	U.M.	1
m 1	g	257,5
m 2	g	219,9
m 3	g	36,4
w	%	20,5

w = 20,5 %

lc = 1,18
lp = 27,6 %



wL = 53,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III

Sondaj nr.: C / 194

Cota/Depth: -0,80 m

1127/18.12.2008

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

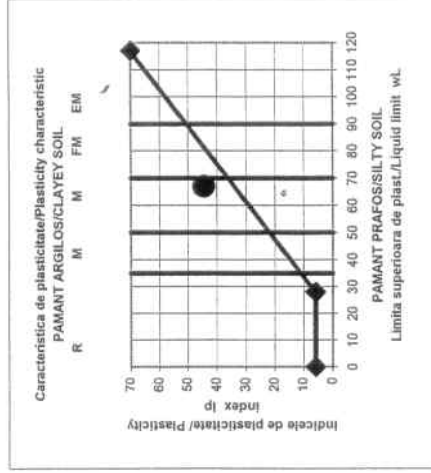
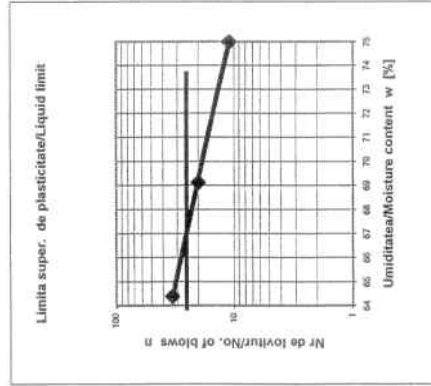
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,9	19,9	19,7
m 2	g	15,2	15,2	14,6
m 3	g	7,9	8,4	7,8
w	%	64,4	69,1	75,0
Nr de lovituri/No. of blows	-	33	20	11

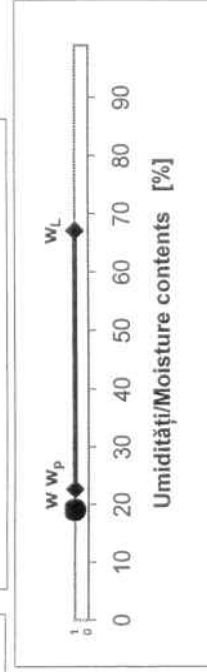
	U.M.	1
m 1	g	41,1
m 2	g	38,0
m 3	g	24,3
W _p	%	22,6

W_p = 22,6 %



	U.M.	1
m 1	g	146,7
m 2	g	129,2
m 3	g	37,6
W	%	19,1

W = 19,1 %



W_L = 67,1 %

Ic = 1,08
Ip = 44,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

Pag. 1/1



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 195

Cota/Depth: -1,60 m
11.12.2008

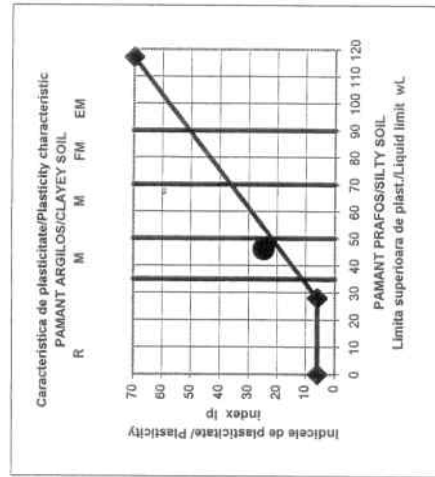
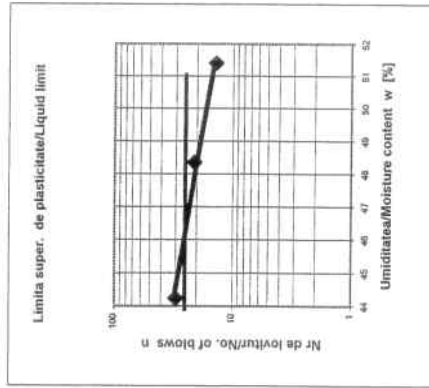
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	26,6	21,5	26,1
m 2	g	22,0	17,1	20,6
m 3	g	11,6	8,0	9,9
w	%	44,2	48,4	51,4
Nr de lovituri/No. of blows	-	30	21	14

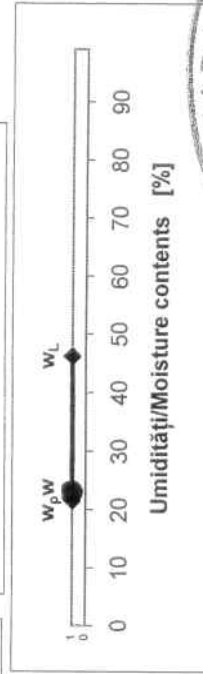
	U.M.	1
m 1	g	37,3
m 2	g	34,5
m 3	g	21,5
WP	%	21,5

WP = 21,5 %



	U.M.	1
m 1	g	208,3
m 2	g	176,0
m 3	g	35,8
w	%	23,0

w = 23,0 %



wL = 46,2 %

Ic = 0,94
Ip = 24,7 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)
Pag. 1/1





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 196
Cota/Depth: -0,80 m

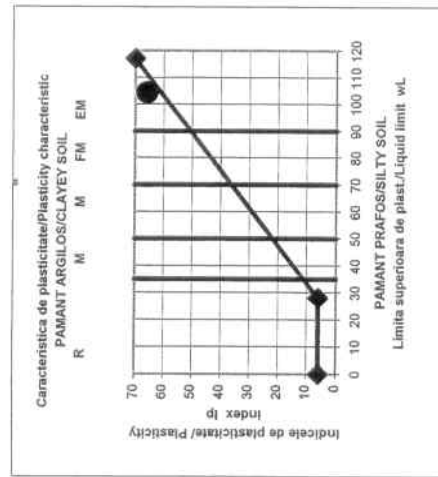
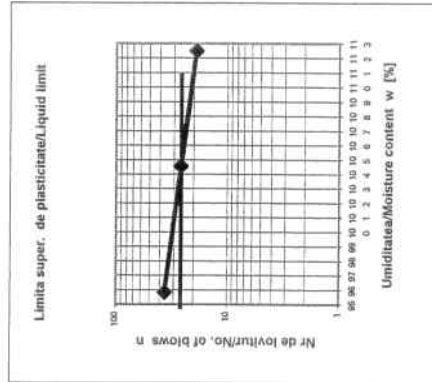
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11129.1.18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	21,9	17,1	16,5
m 2	g	17,3	12,5	12,0
m 3	g	12,5	8,1	8,0
w	%	95,8	104,5	112,5
Nr de lovituri/No. of blows	-	36	26	19

	U.M.	1
m 1	g	32,9
m 2	g	29,1
m 3	g	19,3
Wp	%	38,8

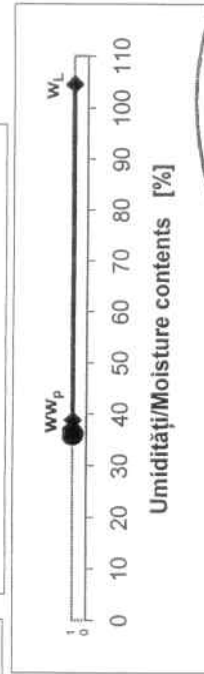
Wp = 38,8 %



	U.M.	1
m 1	g	121,9
m 2	g	99,0
m 3	g	35,7
w	%	36,2

w = 36,2 %

lc = 1,04
lp = 65,7 %



WL = 104,5%

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 1967
Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1130 / 1.18.12.2008

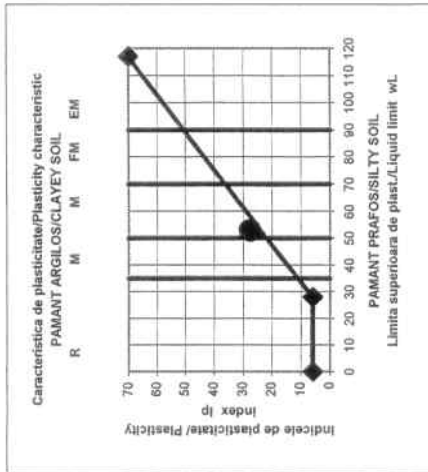
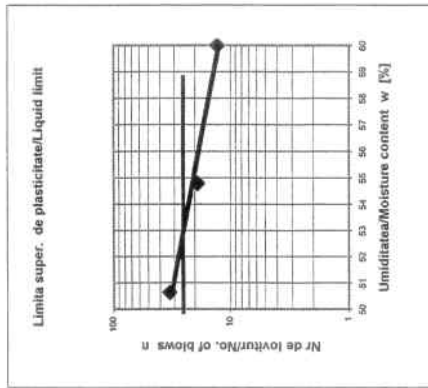
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,6	21,7	17,6
m 2	g	15,0	17,7	14,0
m 3	g	7,9	10,4	8,0
w	%	50,6	54,8	60,0
Nr de lovituri/No. of blows	-	33	19	13

	U.M.	1
m 1	g	37,1
m 2	g	34,2
m 3	g	22,8
Wp	%	25,4

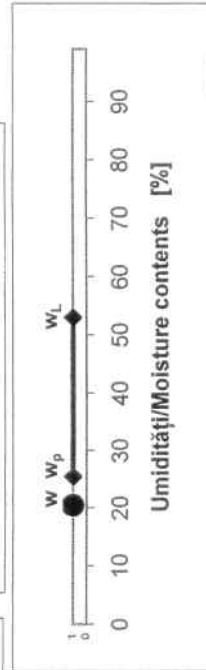
Wp = 25,4 %



	U.M.	1
m 1	g	257,5
m 2	g	219,9
m 3	g	36,4
w	%	20,5

w = 20,5 %

lc=	1,18
lp=	27,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 198
Cota/Depth: -0,70 m

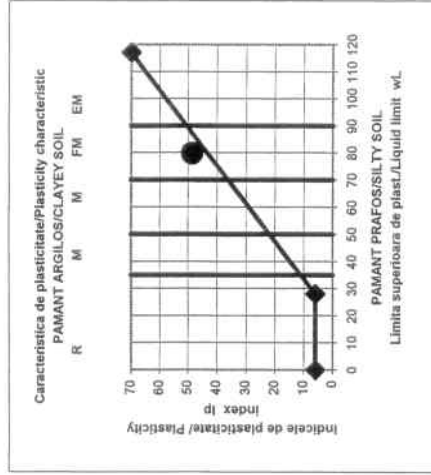
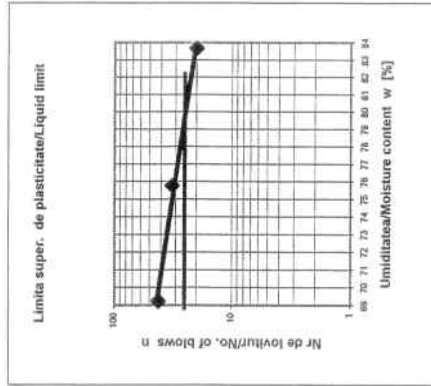
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 113A / 1.18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

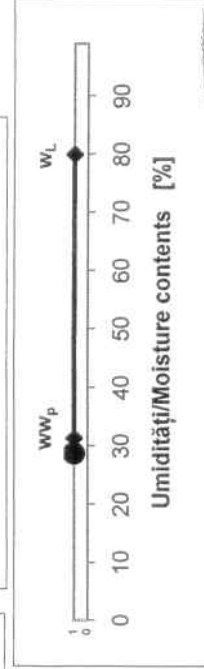
	U.M.	1	2	3
m 1	g	16,6	19,3	17,2
m 2	g	13,0	14,3	13,1
m 3	g	7,8	7,7	8,2
W	%	69,2	75,8	83,7
Nr de lovituri/No. of blows	-	42	32	20

	U.M.	1
m 1	g	47,0
m 2	g	44,0
m 3	g	34,4
Wp	%	31,3

Wp = 31,3 %



WL = 79,9 %



	U.M.	1
m 1	g	138,3
m 2	g	116,0
m 3	g	38,3
W	%	28,7

W = 28,7 %

Ic = 1,05
Ip = 48,7 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 199
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11132.1.18.12.2008

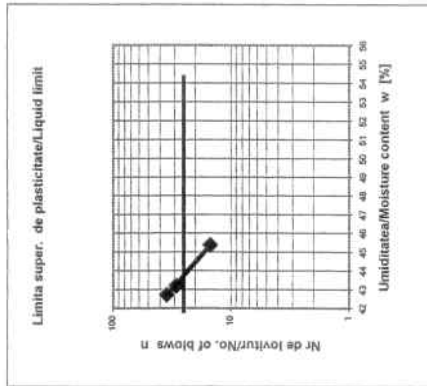
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

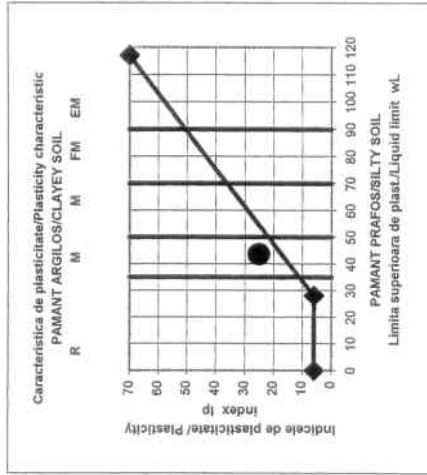
	U.M.	1	2	3
m 1	g	23,9	30,3	23,7
m 2	g	19,2	24,9	18,8
m 3	g	8,2	12,4	8,0
W	%	42,7	43,2	45,4
Nr de lovituri/No. of blows	-	35	29	15

	U.M.	1
m 1	g	36,9
m 2	g	34,9
m 3	g	24,2
W _p	%	18,7

W_p = 18,7 %



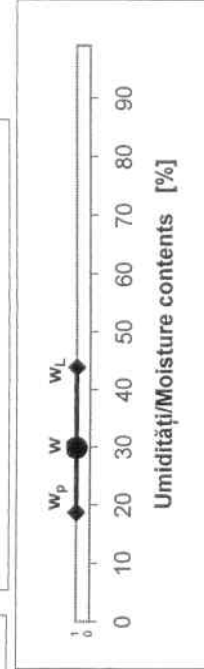
W_L = 43,8 %



	U.M.	1
m 1	g	188,9
m 2	g	154,3
m 3	g	38,5
W	%	29,9

W = 29,9 %

lc=	0,55
lp=	25,1 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 200
 Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1133.1.18.12.2008

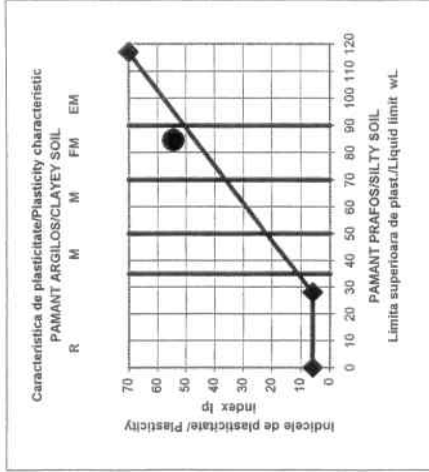
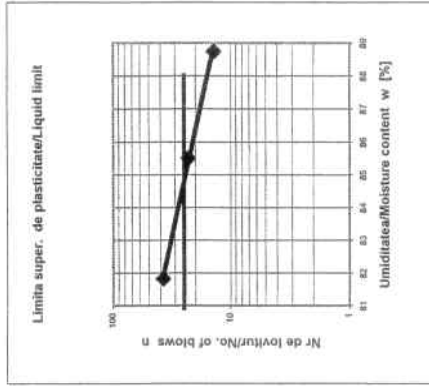
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	26,1	20,8	23,0
m 2	g	18,0	14,9	15,9
m 3	g	8,1	8,0	7,9
W	%	81,8	85,5	88,8
Nr de lovituri/No. of blows	-	38	23	14

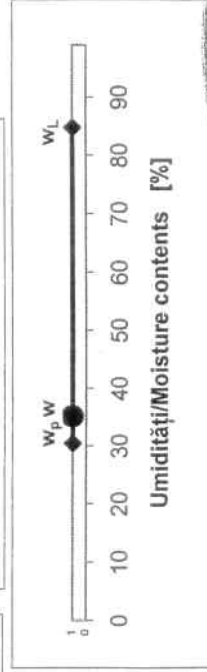
	U.M.	1
m 1	g	60,7
m 2	g	56,9
m 3	g	44,4
WP	%	30,4

W_p = 30,4 %



	U.M.	1
m 1	g	212,7
m 2	g	167,1
m 3	g	37,6
W	%	35,2

W = 35,2 %



W_L = 84,8 %

lc=	0,91
lp=	54,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 202
Cota/Depth: -1,20 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1134 / 18 / 2008

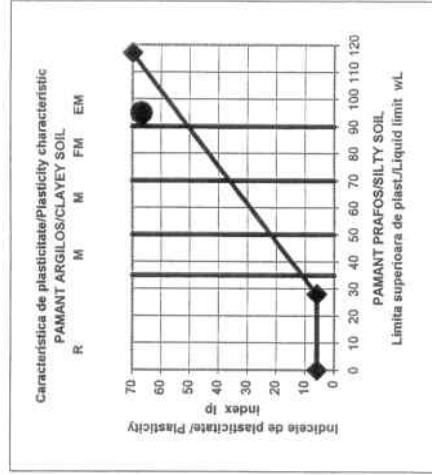
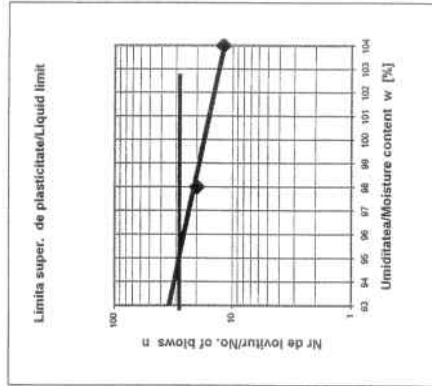
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,1	17,8	18,1
m 2	g	13,8	12,9	12,9
m 3	g	8,1	7,9	7,9
W	%	93,0	98,0	104,0
Nr de lovituri/No. of blows	-	35	20	12

	U.M.	1
m 1	g	36,5
m 2	g	33,2
m 3	g	21,5
Wp	%	28,2

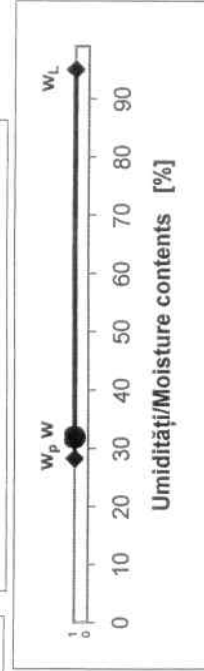
Wp = 28,2 %



	U.M.	1
m 1	g	169,3
m 2	g	137,2
m 3	g	36,8
W	%	32,0

W = 32,0 %

Ic = 0,94
Ip = 66,8 %



W_L = 95,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 203
Cota/Depth: -0,70 m

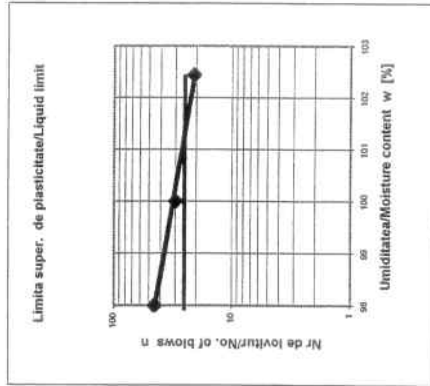
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1135 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

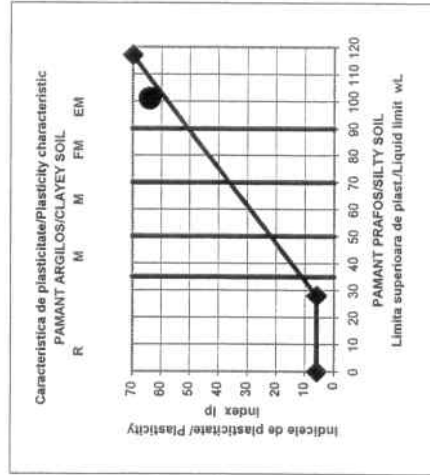
	U.M.	1	2	3
m 1	g	17,9	17,7	16,1
m 2	g	13,0	12,9	11,9
m 3	g	8,0	8,1	7,8
w	%	98,0	100,0	102,4
Nr de lovituri/No. of blows	-	45	30	21

	U.M.	1
m 1	g	41,4
m 2	g	36,6
m 3	g	23,7
Wp	%	37,2

Wp = 37,2 %



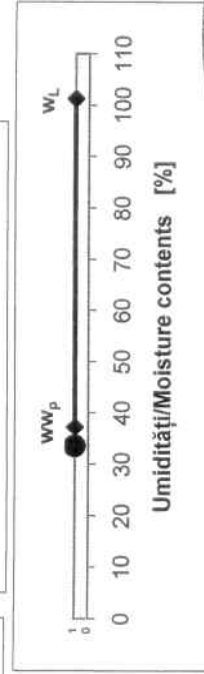
WL = 101,2 %



	U.M.	1
m 1	g	121,8
m 2	g	100,8
m 3	g	38,3
w	%	33,6

w = 33,6 %

IC=	1,06
Ip=	64,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 205
 Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1136 / 18.12.2008

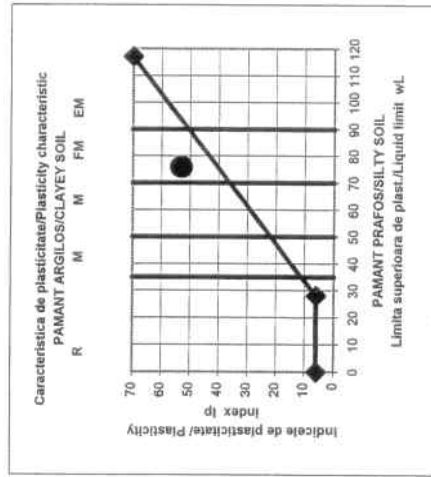
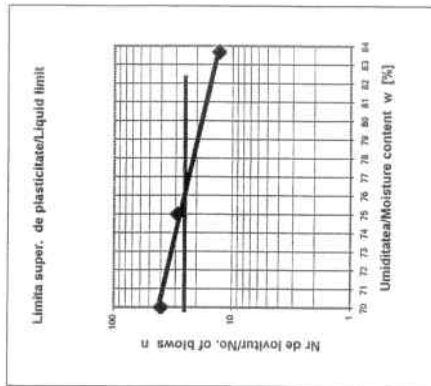
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,3	15,7	17,3
m 2	g	15,5	12,4	13,2
m 3	g	11,5	8,0	8,3
w	%	70,0	75,0	83,7
Nr de lovituri/No. of blows	-	40	29	13

	U.M.	1
m 1	g	50,9
m 2	g	47,8
m 3	g	34,3
WP	%	23,0

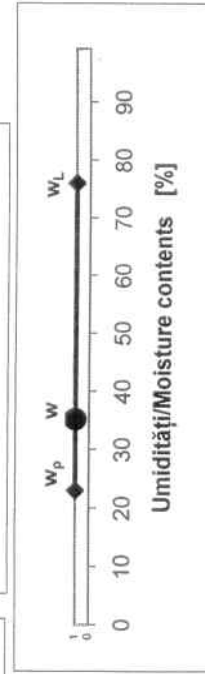
W_P = 23,0 %



	U.M.	1
m 1	g	212,7
m 2	g	167,1
m 3	g	37,6
w	%	35,2

w = 35,2 %

lc =	0,77
lp =	53,0 %



W_L = 76,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 207
Cota/Depth: -1,40 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11137 / 18.12.2008

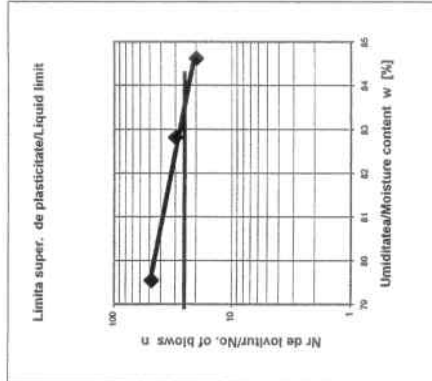
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

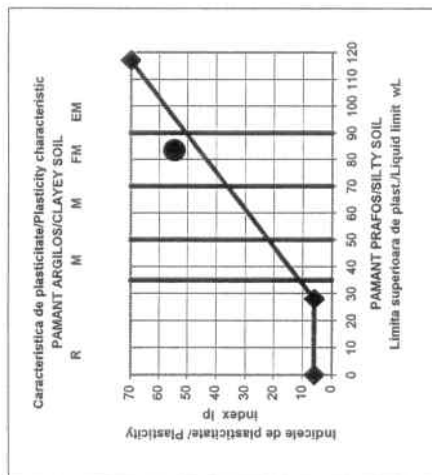
	U.M.	1	2	3
m 1	g	15,7	24,2	24,4
m 2	g	12,2	18,9	18,9
m 3	g	7,8	12,5	12,4
W	%	79,5	82,8	84,6
Nr de lovituri/No. of blows	-	48	30	20

	U.M.	1
m 1	g	65,3
m 2	g	60,6
m 3	g	44,4
WP	%	29,0

$W_p = 29,0 \%$



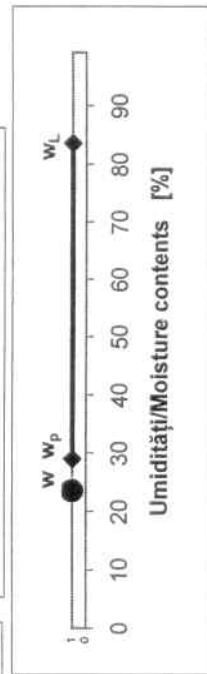
$W_L = 83,6 \%$



$W = 23,6 \%$

	U.M.	1
m 1	g	141,0
m 2	g	121,5
m 3	g	38,9
W	%	23,6

$I_c = 1,10$
$I_p = 54,6 \%$



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 208
 Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1138 / 18.12.2008

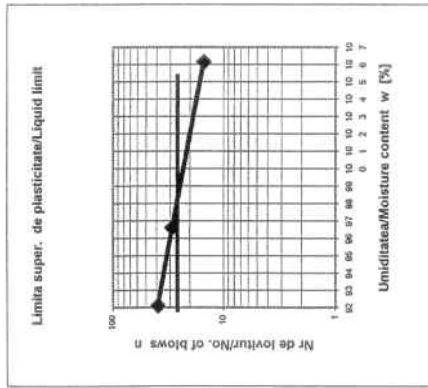
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

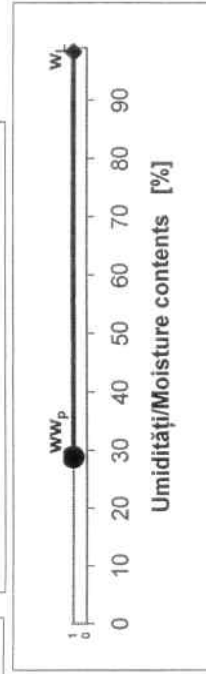
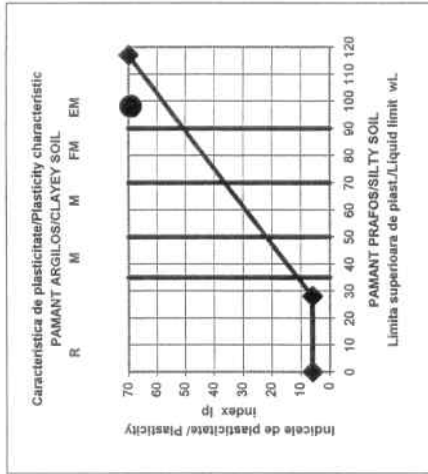
	U.M.	1	2	3
m 1	g	22,5	19,5	21,3
m 2	g	15,5	13,8	14,4
m 3	g	7,9	7,9	7,9
w	%	92,1	96,6	106,2
Nr de lovituri/No. of blows	-	39	29	15

	U.M.	1
m 1	g	36,5
m 2	g	33,4
m 3	g	22,8
Wp	%	29,2

Wp = 29,2 %



wL = 98,3 %



lc=	1,01
lp=	69,1 %

w = 28,9 %

	U.M.	1
m 1	g	147,4
m 2	g	122,3
m 3	g	35,4
w	%	28,9

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

Pag. 1/1



S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 209
 Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1139 / 18.12.2008

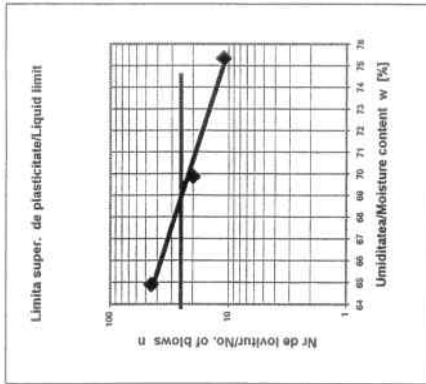
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

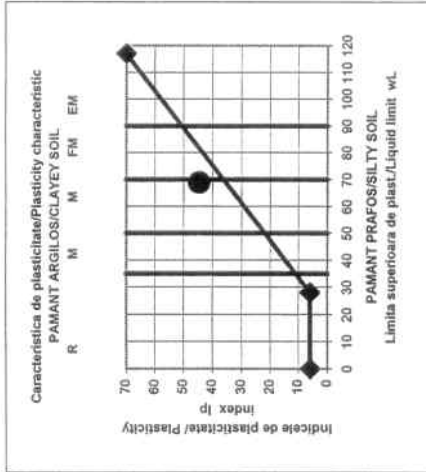
	U.M.	1	2	3
m 1	g	23,3	20,6	20,7
m 2	g	17,2	15,5	15,2
m 3	g	7,8	8,2	7,9
w	%	64,9	69,9	75,3
Nr de lovituri/No. of blows	-	45	20	11

	U.M.	1
m 1	g	34,2
m 2	g	31,3
m 3	g	19,4
W _P	%	24,4

W_P = 24,4 %



W_L = 69,0 %

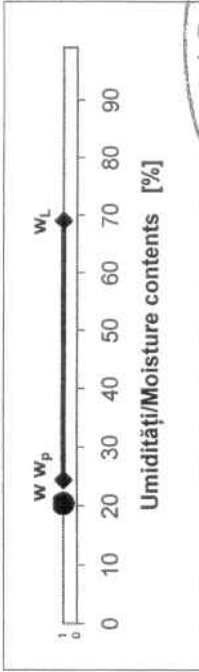


Caracteristica de plasticitate/Plasticity characteristic
 PAMANT ARGILOS/CLAYEY SOIL
 R M M FM EM
 Indicele de plasticitate/Plasticity Index Ip
 Limitea superioara de plast./Liquid limit wL

	U.M.	1
m 1	g	162,2
m 2	g	140,8
m 3	g	36,0
W	%	20,4

W = 20,4 %

I_c = 1,09
I_p = 44,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL

STR. FILARET BARBU NR. 2

300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 210

Cota/Depth: -1,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11812 / 19.12.2008

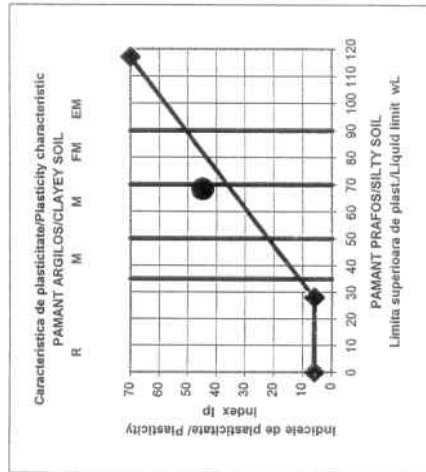
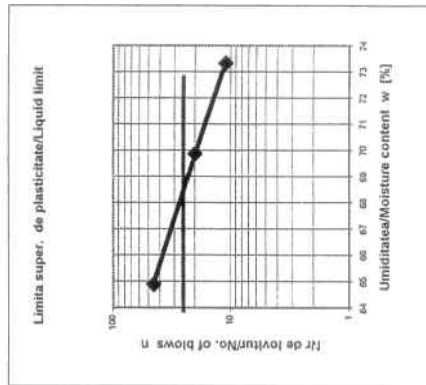
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	24,2	21,6	21,7
m 2	g	18,1	16,5	16,2
m 3	g	8,7	9,2	8,7
W	%	64,9	69,9	73,3
Nr de lovituri/No. of blows	-	45	20	11

	U.M.	1
m 1	g	36,2
m 2	g	33,3
m 3	g	21,1
Wp	%	23,8

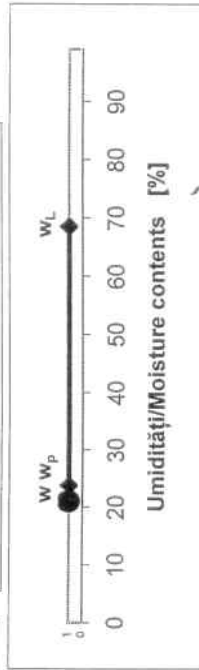
Wp = 23,8 %



	U.M.	1
m 1	g	185,2
m 2	g	160,3
m 3	g	42,3
W	%	21,1

W = 21,1 %

Ic = 1,06
Ip = 44,7 %



WL = 68,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

Pag. 1/1





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 211
Cota/Depth: -0,80 m

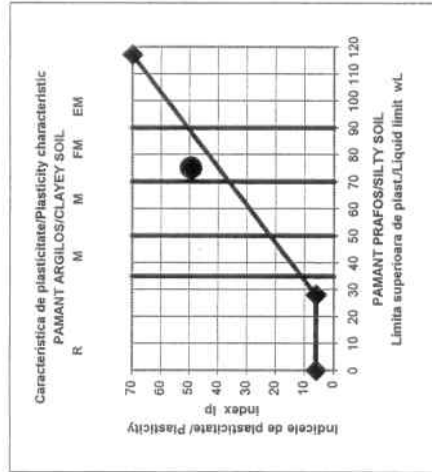
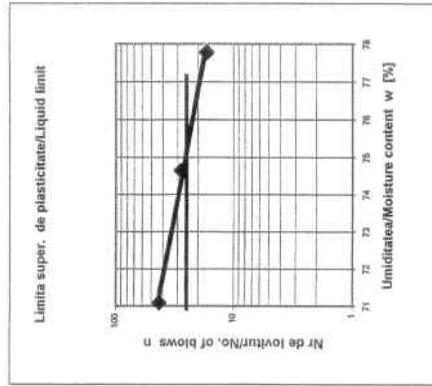
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1140 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,0	20,7	22,2
m 2	g	16,1	15,4	15,9
m 3	g	7,8	8,3	7,8
W	%	71,1	74,6	77,8
Nr de lovituri/No. of blows	-	43	28	17

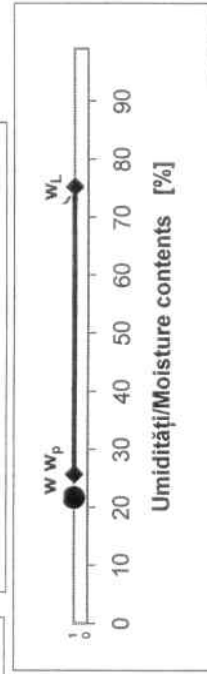
	U.M.	1
m 1	g	37,4
m 2	g	34,7
m 3	g	24,2
WP	%	25,7

W_p = 25,7 %



	U.M.	1
m 1	g	156,8
m 2	g	135,4
m 3	g	37,1
W	%	21,8

W = 21,8 %



W_L = 75,2 %

lc=	1,08
lp=	49,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 212
 Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 114/1.18.12.2008

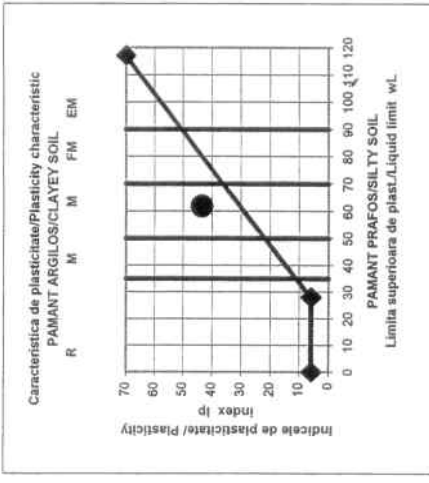
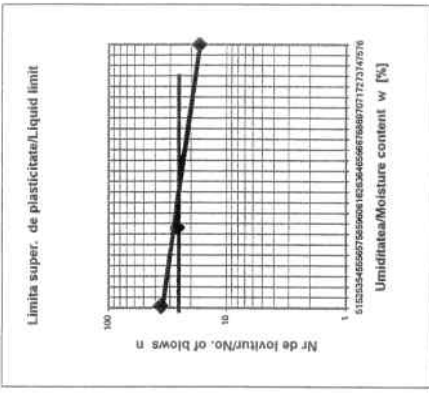
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	25,0	33,2	34,3
m 2	g	20,7	28,1	26,7
m 3	g	12,3	19,4	16,7
w	%	51,2	58,6	76,0
Nr de lovituri/No. of blows	-	36	26	17

	U.M.	1
m 1	g	32,8
m 2	g	30,7
m 3	g	19,4
Wp	%	18,6

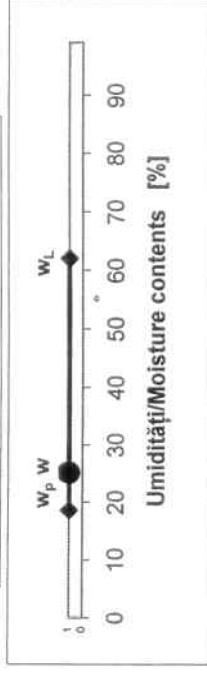
Wp = **18,6 %**



	U.M.	1
m 1	g	151,7
m 2	g	128,2
m 3	g	34,9
w	%	25,2

w = **25,2 %**

lc =	0,85
lp =	43,4 %



Wl = **62,0 %**

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 213
Cota/Depth: -0,60 m
18.12.2008

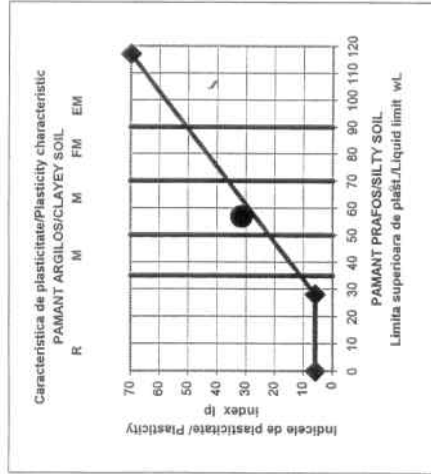
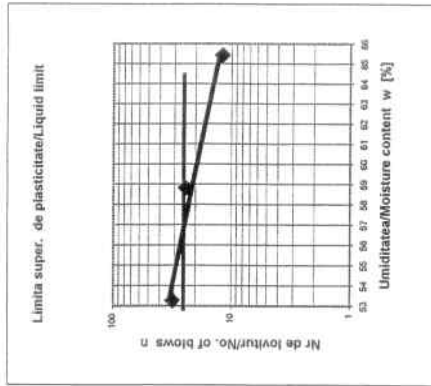
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.11142.....
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,6	27,2	21,3
m 2	g	17,5	20,2	16,0
m 3	g	8,0	8,3	7,9
W	%	53,3	58,8	65,4
Nr de lovituri/No. of blows	-	31	24	12

	U.M.	1
m 1	g	37,1
m 2	g	33,5
m 3	g	19,4
W _p	%	25,5

W_p = 25,5 %

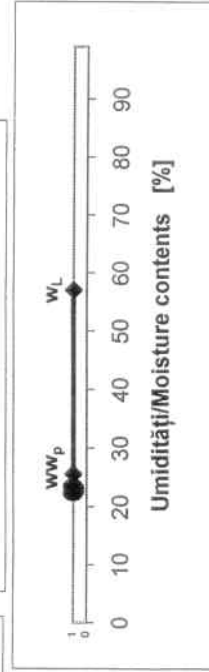


	U.M.	1
m 1	g	177,5
m 2	g	151,9
m 3	g	40,4
W	%	23,0

W = 23,0 %

lc=	1,08
lp=	31,5 %

W_L = 57,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 215
Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.1113 / 18.12.2008

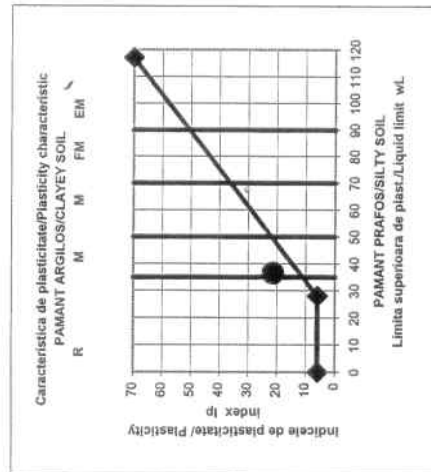
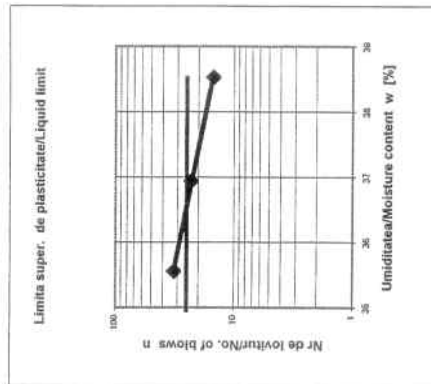
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	30,7	27,5	27,5
m 2	g	25,9	23,4	23,3
m 3	g	12,4	12,3	12,4
W	%	35,6	36,9	38,5
Nr de lovituri/No. of blows	-	32	23	15

	U.M.	1
m 1	g	38,8
m 2	g	36,8
m 3	g	23,7
W _P	%	15,3

W_P = 15,3 %

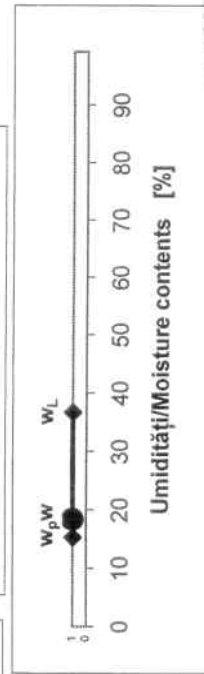


	U.M.	1
m 1	g	174,2
m 2	g	152,8
m 3	g	36,5
W	%	18,4

W = 18,4 %

lc=	0,85
lp=	21,3 %

W_L = 36,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 217
 Cota/Depth: -1,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1144 / 18.12.2008

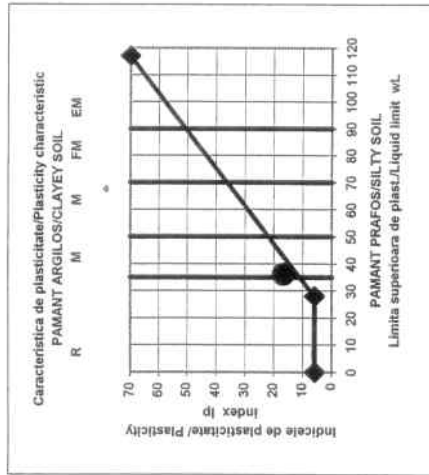
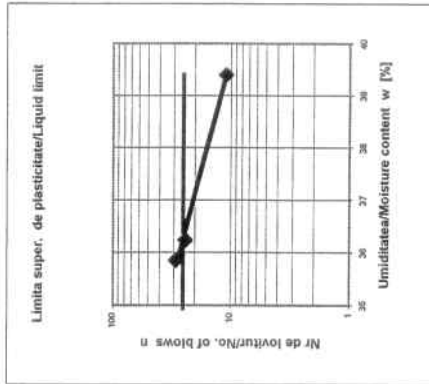
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	17,4	21,0	21,8
m 2	g	15,5	18,5	19,2
m 3	g	10,2	11,6	12,6
w	%	35,8	36,2	39,4
Nr de lovituri/No. of blows	-	29	24	11

	U.M.	1
m 1	g	40,4
m 2	g	37,5
m 3	g	22,8
W _p	%	19,7

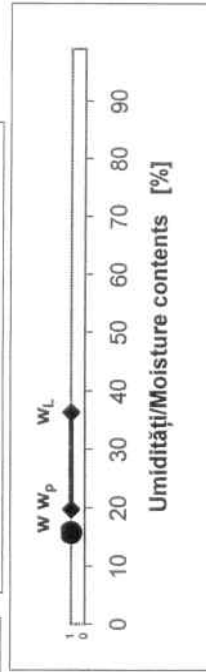
w_p = 19,7 %



	U.M.	1
m 1	g	228,3
m 2	g	202,1
m 3	g	36,2
w	%	15,8

w = 15,8 %

l_c = 1,24
l_p = 16,6 %



w_L = 36,3 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 218
Cota/Depth: -0,40 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1145 / 18.12.2008

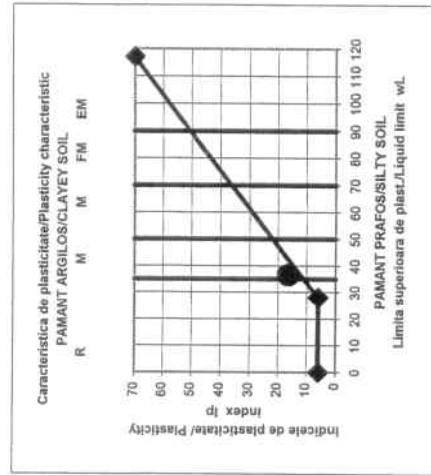
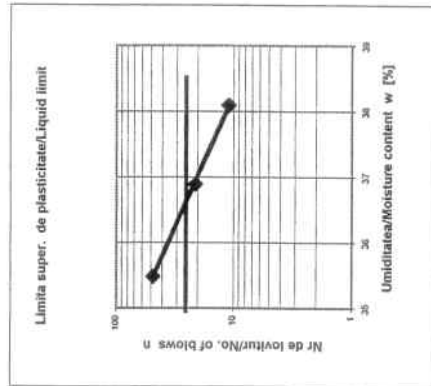
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	25,7	26,6	22,5
m 2	g	22,4	22,8	19,3
m 3	g	13,1	12,5	10,9
W	%	35,5	36,9	38,1
Nr de lovituri/No. of blows	-	48	21	11

	U.M.	1
m 1	g	33,5
m 2	g	31,1
m 3	g	19,3
W _p	%	20,3

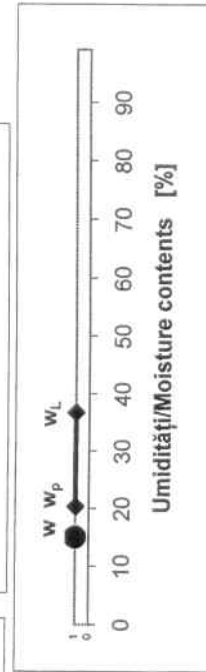
W_p = 20,3 %



	U.M.	1
m 1	g	182,1
m 2	g	162,9
m 3	g	35,7
W	%	15,1

W = 15,1 %

lc=	1,32
lp=	16,4 %



W_L = 36,7 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.G. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 222
Cota/Depth: -0,70 m

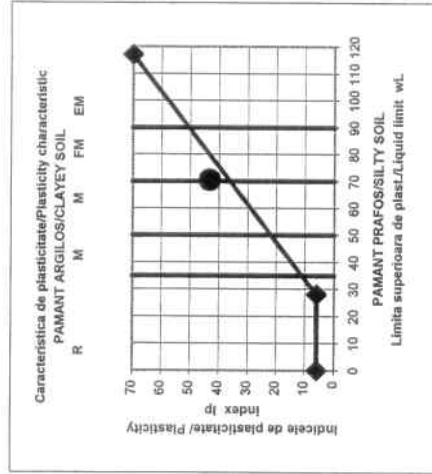
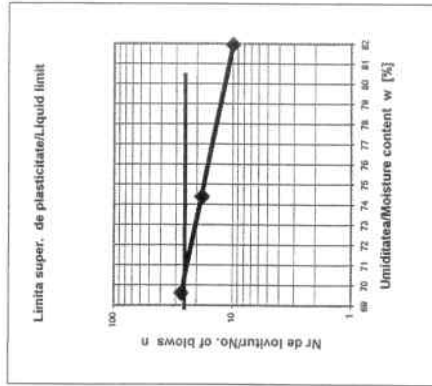
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1146/18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	25,4	22,5	21,2
m 2	g	18,3	16,4	15,3
m 3	g	8,1	8,2	8,1
W	%	69,6	74,4	81,9
Nr de lovituri/No. of blows	-	27	18	10

	U.M.	1
m 1	g	36,3
m 2	g	33,4
m 3	g	22,8
Wp	%	27,4

Wp = 27,4 %

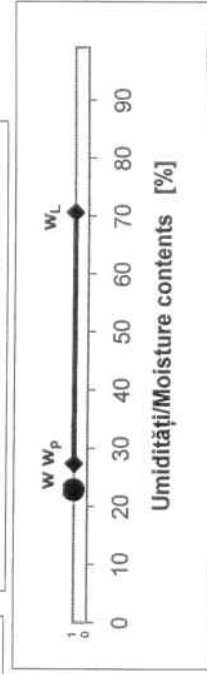


	U.M.	1
m 1	g	175,6
m 2	g	149,8
m 3	g	37,1
W	%	22,9

W = 22,9 %

lc=	1,10
lp=	43,2 %

W_L = 70,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 226

Cota/Depth: -2,30 m
11147 / 18.12.2004

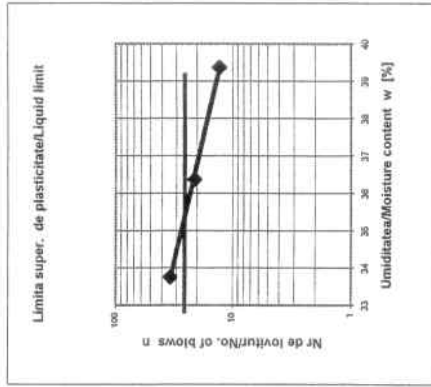
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

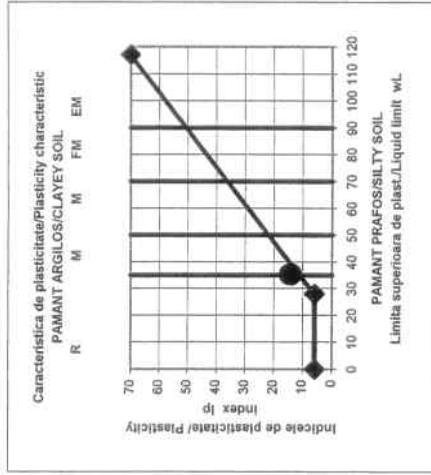
	U.M.	1	2	3
m 1	g	18,7	25,3	21,2
m 2	g	16,0	21,3	17,5
m 3	g	8,0	10,3	8,1
w	%	33,8	36,4	39,4
Nr de lovituri/No. of blows	-	34	21	13

	U.M.	1
m 1	g	37,5
m 2	g	34,9
m 3	g	22,7
Wp	%	21,3

Wp = 21,3 %



W_L = 35,5 %

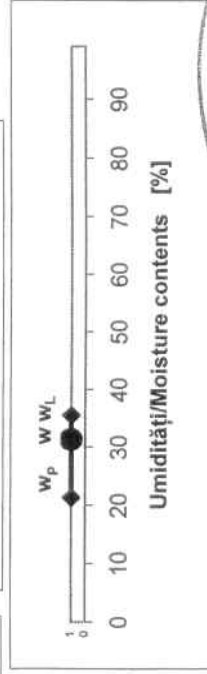


Ip = 0,29

	U.M.	1
m 1	g	274,1
m 2	g	217,4
m 3	g	36,6
w	%	31,4

w = 31,4 %

lc = 0,29
lp = 14,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 227

Cota/Depth: -1,20 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11148 / 18.12.2008

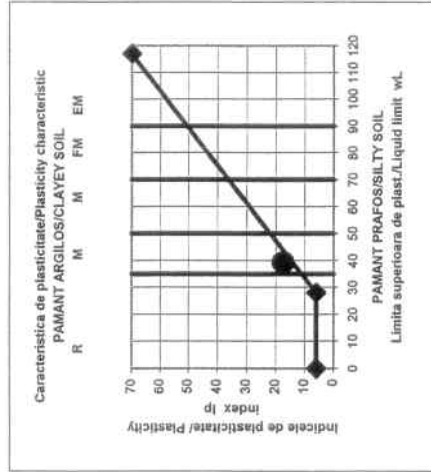
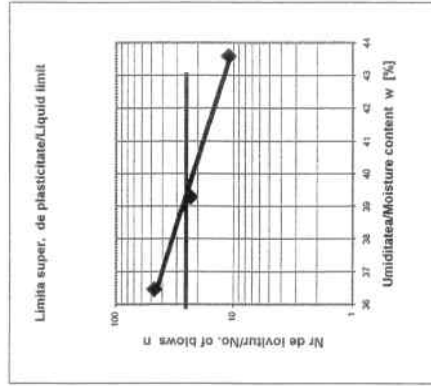
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	25,7	19,9	29,3
m 2	g	22,2	16,6	24,2
m 3	g	12,6	8,2	12,5
W	%	36,5	39,3	43,6
Nr de lovituri/No. of blows	-	47	23	11

	U.M.	1
m 1	g	41,4
m 2	g	38,3
m 3	g	24,2
WP	%	22,0

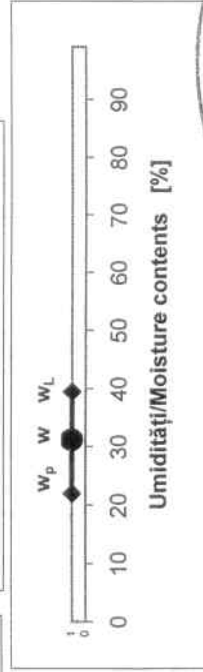
W_p = 22,0 %



	U.M.	1
m 1	g	243,2
m 2	g	194,6
m 3	g	39,0
W	%	31,2

W = 31,2 %

I_c = 0,47
I_p = 17,4 %



W_L = 39,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task II
 Sondaj nr.: C / 230
 Cota/Depth: -1,80 m

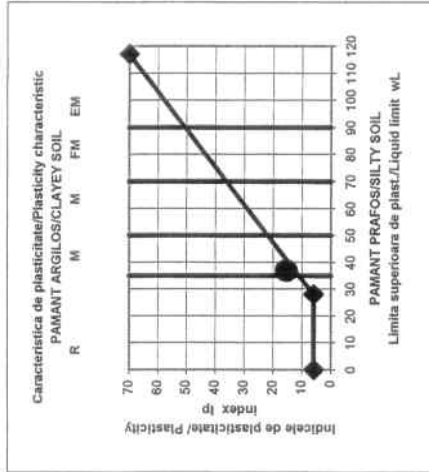
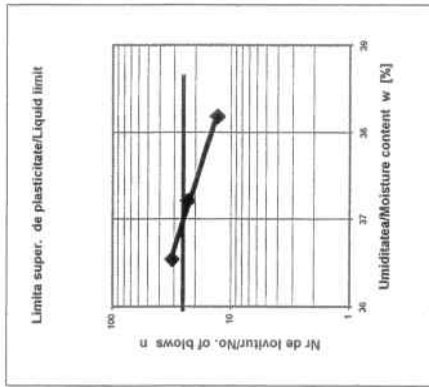
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11149.1.18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

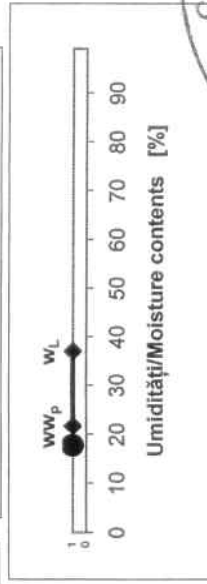
	U.M.	1	2	3
m 1	g	15,2	19,8	15,7
m 2	g	13,3	16,6	13,6
m 3	g	8,1	8,0	8,1
w	%	36,5	37,2	38,2
Nr de lovituri/No. of blows	-	31	23	13

	U.M.	1
m 1	g	46,2
m 2	g	42,3
m 3	g	24,3
Wp	%	21,7

Wp = 21,7 %



WL = 37,0 %



	U.M.	1
m 1	g	174,8
m 2	g	153,8
m 3	g	35,8
w	%	17,8

w = 17,8 %

lc = 1,25
lp = 15,3 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘDARA

Autostrada - Task II
 Sondaj nr.: C / 231
 Cota/Depth: -0,80 m

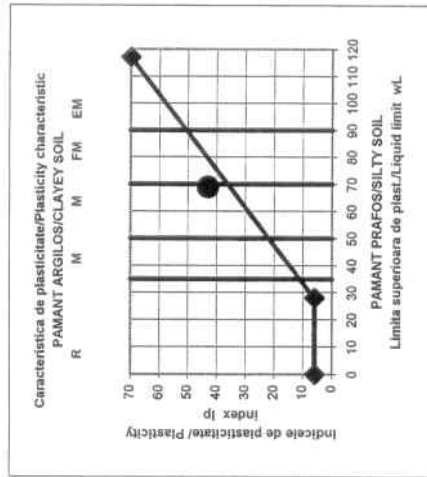
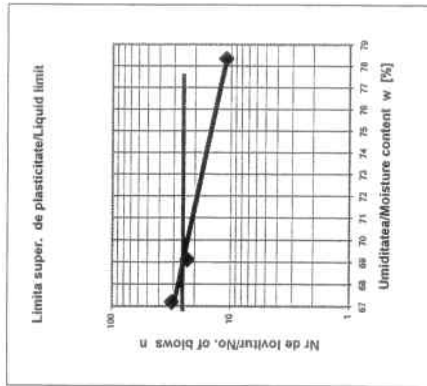
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11150 / 18.12.2008
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

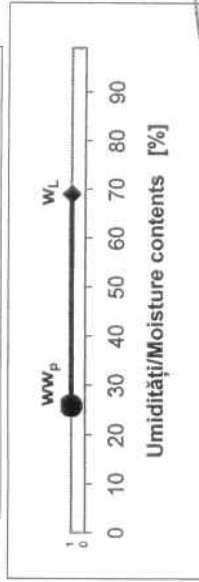
	U.M.	1	2	3
m 1	g	18,5	23,0	23,8
m 2	g	14,2	18,3	19,1
m 3	g	7,8	11,5	13,1
w	%	67,2	69,1	78,3
Nr de lovituri/No. of blows	-	31	23	11

	U.M.	1
m 1	g	35,9
m 2	g	33,2
m 3	g	22,8
Wp	%	26,0

Wp = 26,0 %



WL = 69,0 %



	U.M.	1
m 1	g	255,4
m 2	g	210,8
m 3	g	39,0
w	%	26,0

w = 26,0 %

Ic = 1,00
Ip = 43,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task II
Sondaj nr.: C / 232
Cota/Depth: -1,10 m

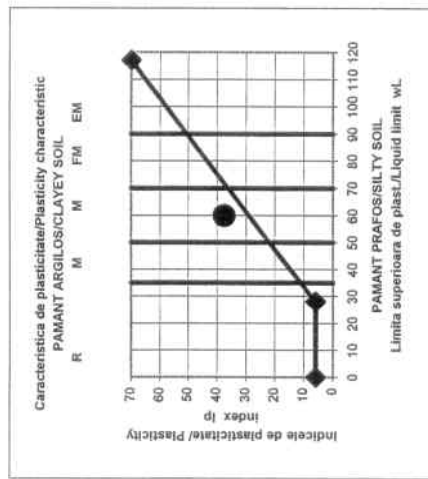
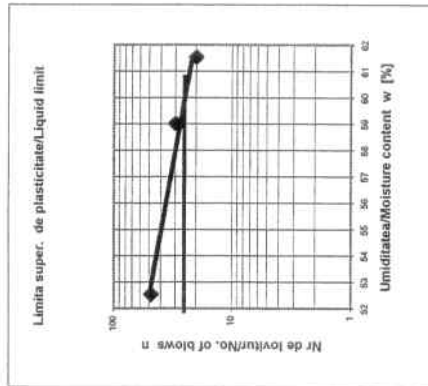
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1151 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,8	17,6	18,6
m 2	g	13,7	14,0	14,6
m 3	g	7,8	7,9	8,1
W	%	52,5	59,0	61,5
Nr de lovituri/No. of blows	-	48	30	20

	U.M.	1
m 1	g	37,0
m 2	g	34,4
m 3	g	22,8
WP	%	22,4

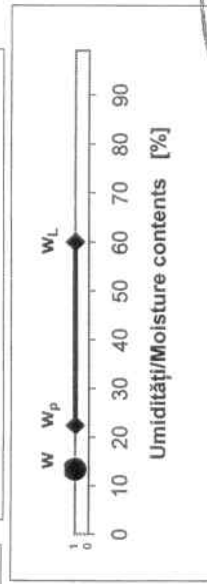
WP = 22,4 %



	U.M.	1
m 1	g	336,4
m 2	g	300,1
m 3	g	30,7
W	%	13,5

W = 13,5 %

lc=	1,24
lp=	37,6 %



WL = 60,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.G. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task II
Sondaj nr.: C / 233
Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11152 / 18.12.2008

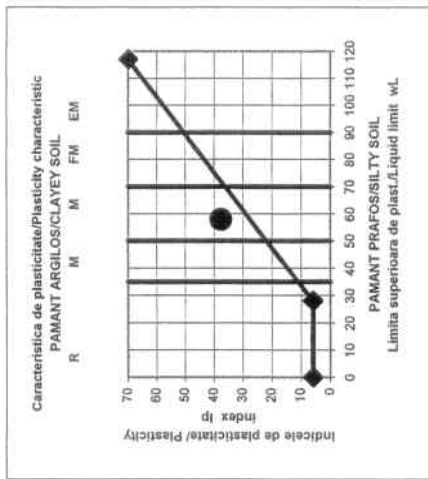
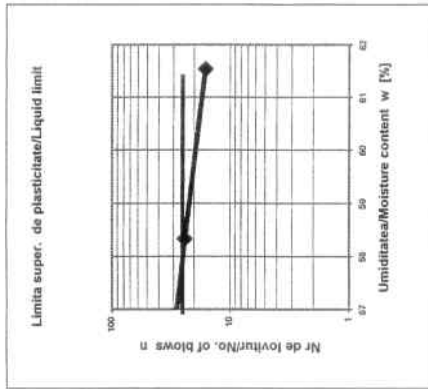
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,6	23,9	31,6
m 2	g	18,1	19,7	26,0
m 3	g	10,2	12,5	16,9
W	%	57,0	58,3	61,5
Nr de lovituri/No. of blows	-	28	24	16

	U.M.	1
m 1	g	35,1
m 2	g	32,8
m 3	g	21,5
Wp	%	20,4

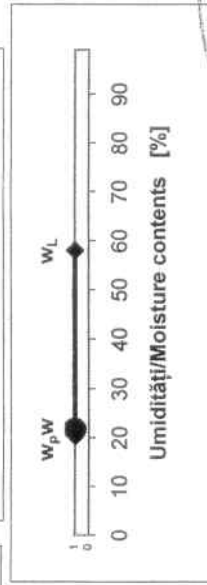
Wp = 20,4 %



	U.M.	1
m 1	g	151,9
m 2	g	131,7
m 3	g	39,3
W	%	21,9

W = 21,9 %

lc = 0,96
lp = 37,6 %



WL = 58,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task II
 Sondaj nr.: C / 234
 Cota/Depth: -1,60 m

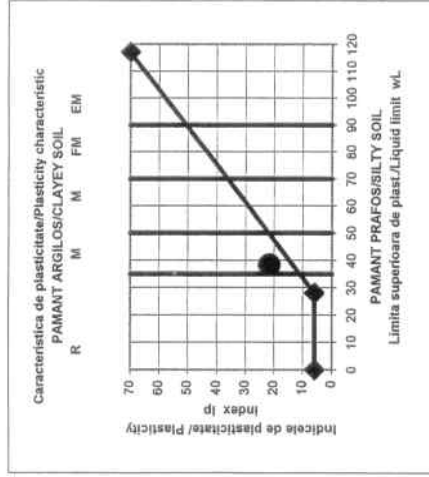
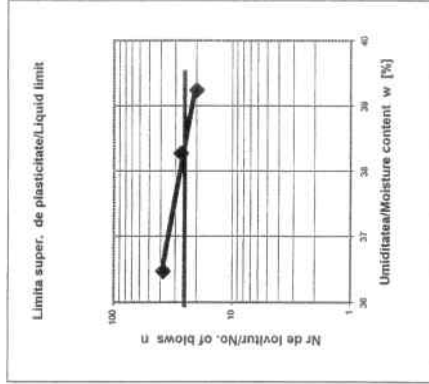
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.11153.1.18.12.2008
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	24,0	18,9	18,8
m 2	g	20,9	15,8	15,7
m 3	g	12,4	7,7	7,8
w	%	36,5	38,3	39,2
Nr de lovituri/No. of blows	-	38	27	20

	U.M.	1
m 1	g	54,5
m 2	g	51,6
m 3	g	34,4
Wp	%	16,9

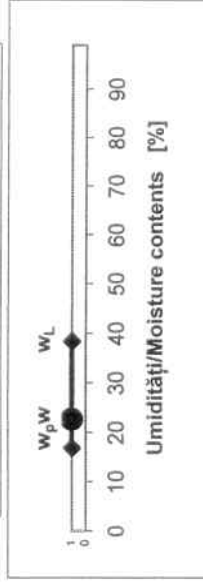
Wp = 16,9 %



	U.M.	1
m 1	g	231,8
m 2	g	195,3
m 3	g	35,0
w	%	22,8

w = 22,8 %

lc = 0,73
lp = 21,5 %



WL = 38,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task II
Sondaj nr.: C / 235
Cota/Depth: -1,60 m

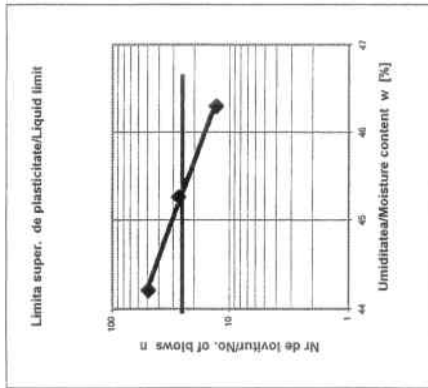
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1117 / 1.18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

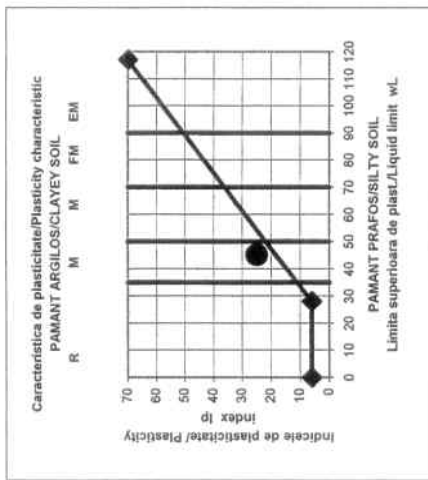
	U.M.	1	2	3
m 1	g	26,0	26,0	25,7
m 2	g	21,8	21,7	20,7
m 3	g	12,3	12,2	9,9
W	%	44,2	45,3	46,3
Nr de lovituri/No. of blows	-	49	27	13

	U.M.	1
m 1	g	54,4
m 2	g	51,0
m 3	g	34,4
WP	%	20,5

WP = 20,5 %



WL = 45,3 %



	U.M.	1
m 1	g	215,0
m 2	g	193,7
m 3	g	85,2
W	%	19,6

W = 19,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Handwritten signature]



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 174
Cota/Depth: -0,80 m

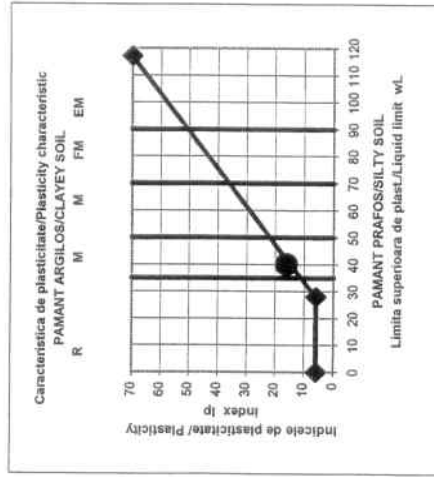
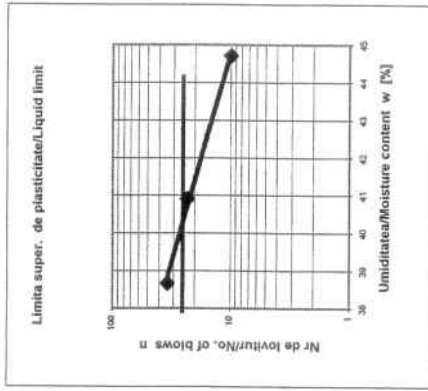
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1111 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,6	17,6	20,2
m 2	g	15,7	14,9	16,4
m 3	g	8,2	8,3	7,9
w	%	38,7	40,9	44,7
Nr de lovituri/No. of blows	-	34	23	10

	U.M.	1
m 1	g	58,4
m 2	g	55,7
m 3	g	44,5
W _p	%	24,1

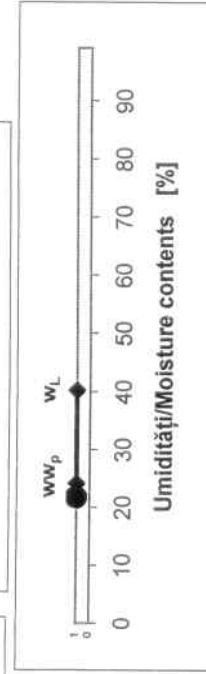
W_p = 24,1 %



	U.M.	1
m 1	g	195,5
m 2	g	167,4
m 3	g	38,5
W	%	21,8

W = 21,8 %

Ic = 1,14
Ip = 16,1 %



w_L = 40,2 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 175
Cota/Depth: -1,50 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. *MIIS 1.18.12.2004*

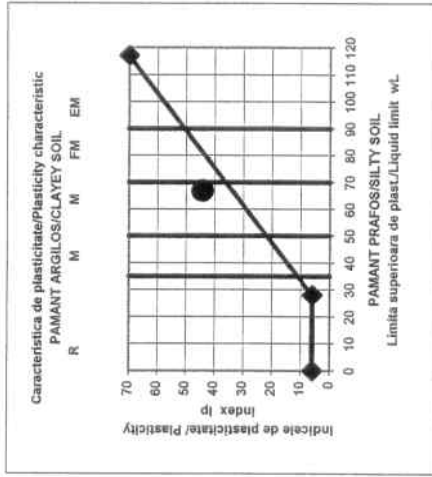
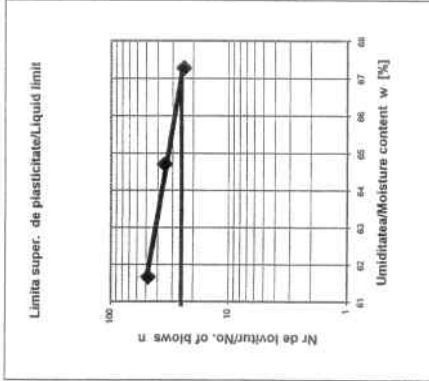
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	21,2	19,4	16,9
m 2	g	17,5	15,0	13,2
m 3	g	11,5	8,2	7,7
W	%	61,7	64,7	67,3
Nr de lovituri/No. of blows	-	48	35	24

	U.M.	1
m 1	g	23,3
m 2	g	20,8
m 3	g	9,8
W _P	%	22,7

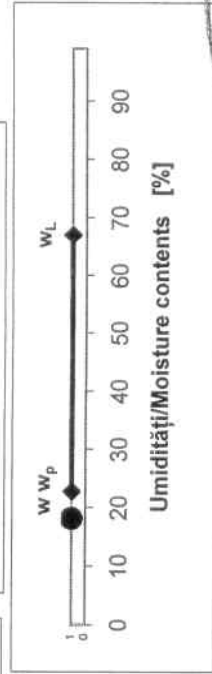
W_P = 22,7 %



	U.M.	1
m 1	g	160,3
m 2	g	141,3
m 3	g	36,7
W	%	18,2

W = 18,2 %

Ic = 1,10
Ip = 44,3 %



W_L = 67,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 176
 Cota/Depth: -0,70 m

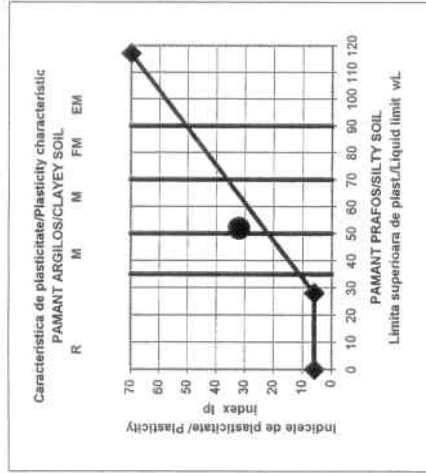
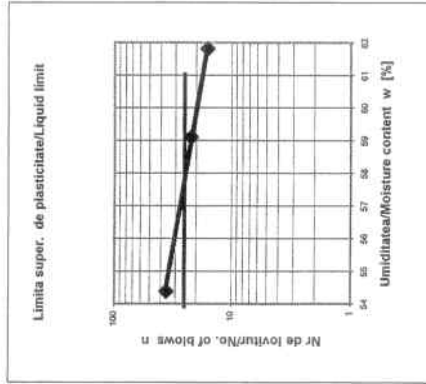
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1.116 / 1.18.12.2008
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	16,8	15,0	16,8
m 2	g	13,7	12,4	13,4
m 3	g	8,0	8,0	7,9
w	%	54,4	59,1	61,8
Nr de lovituri/No. of blows	-	36	22	16

	U.M.	1
m 1	g	36,8
m 2	g	34,7
m 3	g	24,2
Wp	%	20,0

Wp = 20,0 %

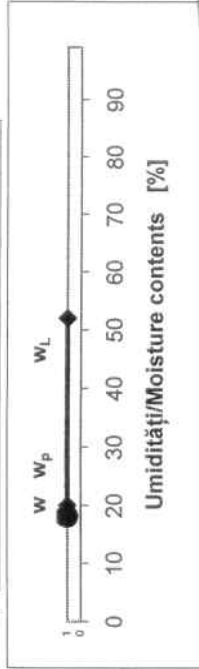


	U.M.	1
m 1	g	160,3
m 2	g	141,3
m 3	g	36,7
w	%	18,2

w = 18,2 %

lc =	1,06
lp =	32,0 %

W_L = 57,8 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 177
Cota/Depth: -2,00 m

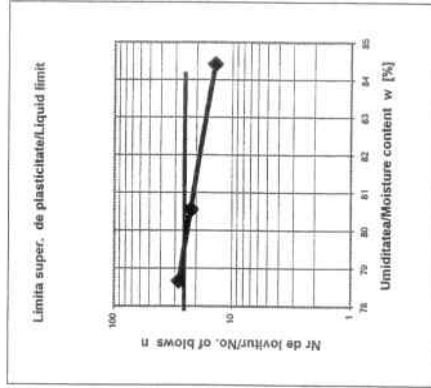
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1117 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

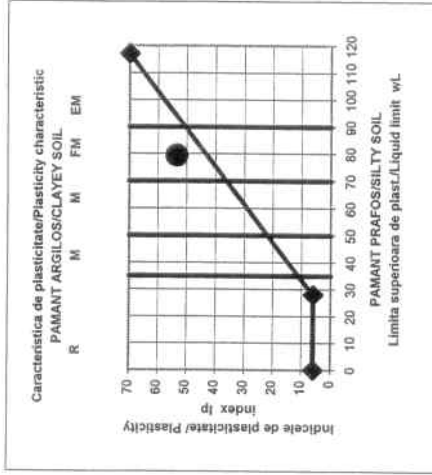
	U.M.	1	2	3
m 1	g	25,6	25,4	26,5
m 2	g	19,7	19,6	20,0
m 3	g	12,2	12,4	12,3
w	%	78,7	80,6	84,4
Nr de lovituri/No. of blows	-	28	22	14

	U.M.	1
m 1	g	40,6
m 2	g	36,9
m 3	g	22,8
WP	%	26,2

W_p = 26,2 %



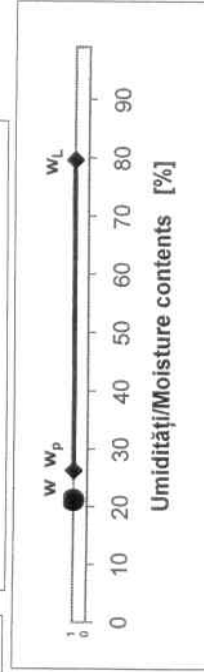
w_L = 79,6 %



	U.M.	1
m 1	g	159,4
m 2	g	138,9
m 3	g	42,3
w	%	21,2

w = 21,2 %

I_c = 1,09
I_p = 53,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 179
Cota/Depth: -1,50 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1118 / 18.12.2004

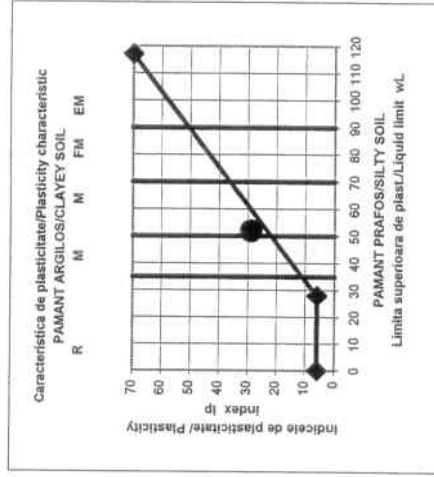
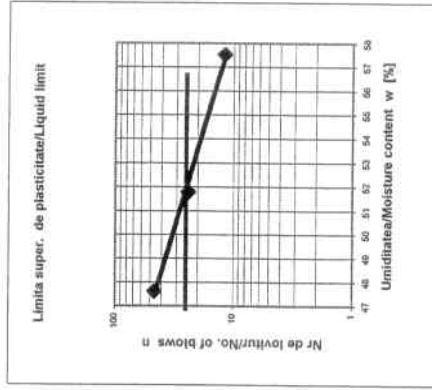
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	20,6	16,6	23,1
m 2	g	16,6	13,7	18,9
m 3	g	8,2	8,1	11,6
w	%	47,6	51,8	57,5
Nr de lovituri/No. of blows	-	46	24	12

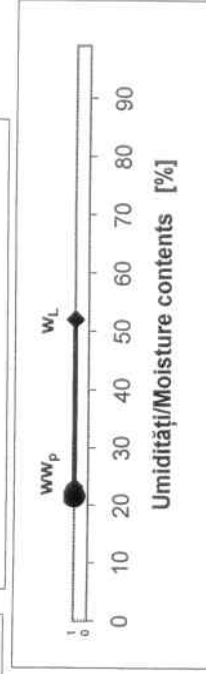
	U.M.	1
m 1	g	39,1
m 2	g	35,8
m 3	g	21,5
WP	%	23,1

W_P = 23,1 %



	U.M.	1
m 1	g	181,2
m 2	g	156,3
m 3	g	40,8
w	%	21,6

w = 21,6 %



w_L = 52,0 %

I_C = 1,05
I_p = 28,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 180
Cota/Depth: -0,50 m

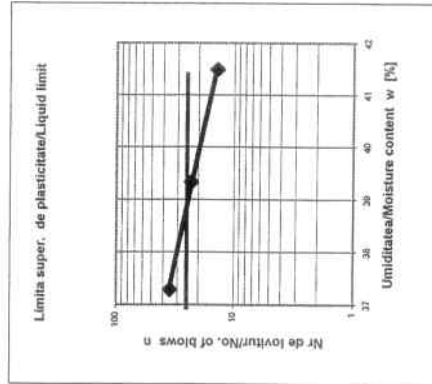
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11119 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

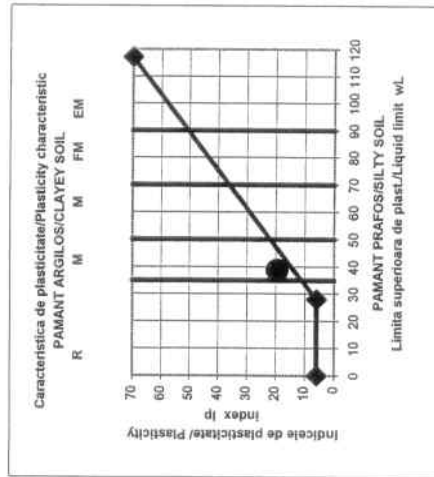
	U.M.	1	2	3
m 1	g	21,1	23,3	21,4
m 2	g	18,9	19,8	17,5
m 3	g	13,0	10,9	8,1
w	%	37,3	39,3	41,5
Nr de lovituri/No. of blows	-	35	23	14

	U.M.	1
m 1	g	38,4
m 2	g	36,0
m 3	g	23,7
Wp	%	19,5

Wp = 19,5 %



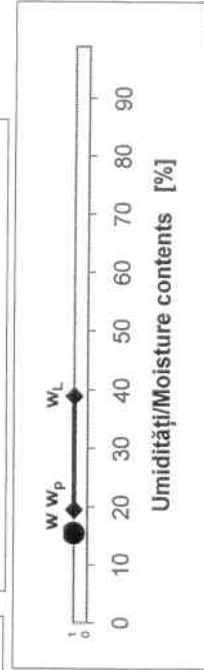
WL = 38,9 %



	U.M.	1
m 1	g	204,3
m 2	g	182,3
m 3	g	40,5
w	%	15,5

w = 15,5 %

IC = 1,21
Ip = 19,4 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 181
Cota/Depth: -1,60 m

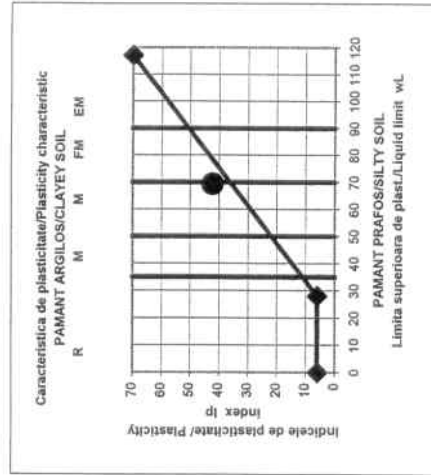
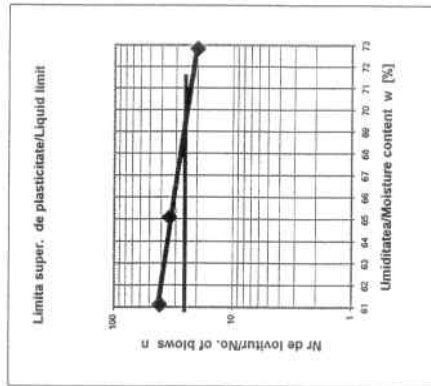
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11120 / 18/12/2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	23,9	22,6	33,1
m 2	g	19,5	18,5	27,2
m 3	g	12,3	12,2	19,1
w	%	61,1	65,1	72,8
Nr de lovituri/No. of blows	-	41	34	20

	U.M.	1
m 1	g	40,1
m 2	g	36,7
m 3	g	24,2
W _P	%	27,2

W_P = 27,2 %

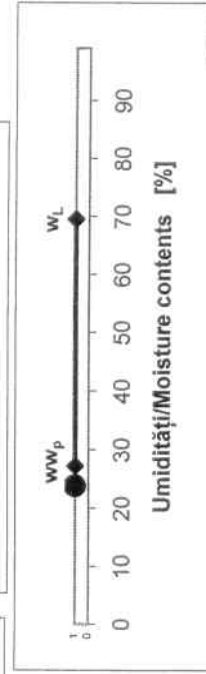


	U.M.	1
m 1	g	171,3
m 2	g	145,0
m 3	g	34,9
w	%	23,9

w = 23,9 %

lc =	1,08
lp =	42,3 %

W_L = 69,5 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘDARA

Autostrada - Task III
 Sondaj nr.: C/182
 Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1112 / 18.12.2008

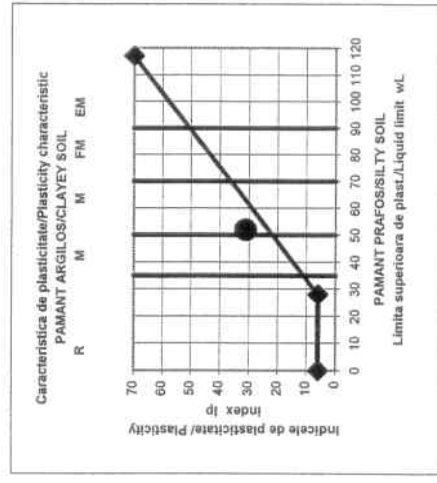
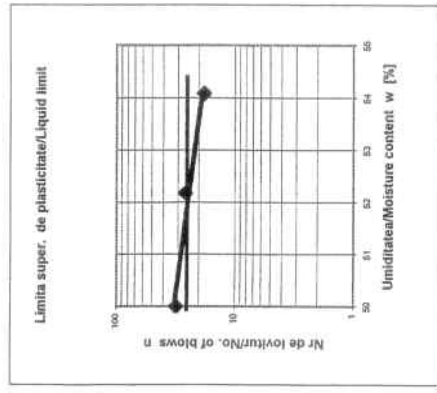
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	20,4	22,7	27,5
m 2	g	16,9	19,1	22,2
m 3	g	9,9	12,2	12,4
W	%	50,0	52,2	54,1
Nr de lovituri/No. of blows	-	31	26	18

	U.M.	1
m 1	g	33,3
m 2	g	30,9
m 3	g	19,4
W _P	%	20,9

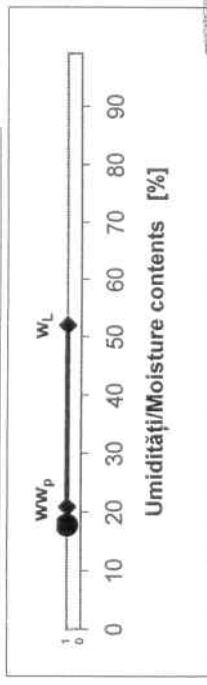
W_P = 20,9 %



	U.M.	1
m 1	g	184,2
m 2	g	162,2
m 3	g	39,1
W	%	17,9

W = 17,9 %

I_c = 1,10
I_p = 31,1 %



W_L = 52,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

[Signature]
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S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘDARA

Autostrada - Task III
 Sondaj nr.: C / 184
 Cota/Depth: -1,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11221.18.12.2004

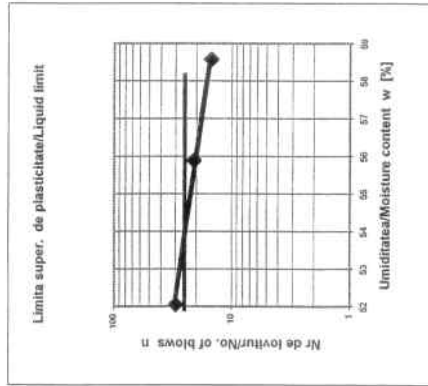
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

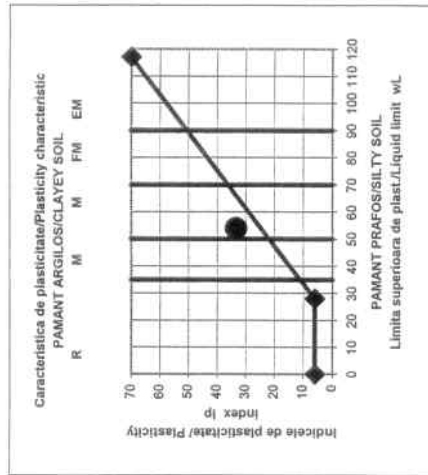
	U.M.	1	2	3
m 1	g	19,0	23,7	19,0
m 2	g	15,2	18,0	14,9
m 3	g	7,9	7,8	7,9
w	%	52,1	55,9	58,6
Nr de lovituri/No. of blows	-	30	21	15

	U.M.	1
m 1	g	38,3
m 2	g	35,8
m 3	g	23,7
W _P	%	20,7

W_P = 20,7 %



W_L = 54,0 %



	U.M.	1
m 1	g	156,6
m 2	g	134,8
m 3	g	36,4
w	%	22,2

w = 22,2 %

lc =	0,96
lp =	33,3 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 186
Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1123.1.18.12.2008

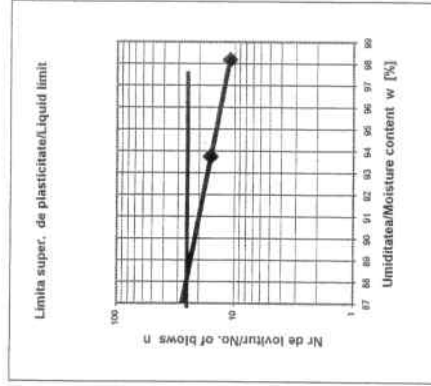
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

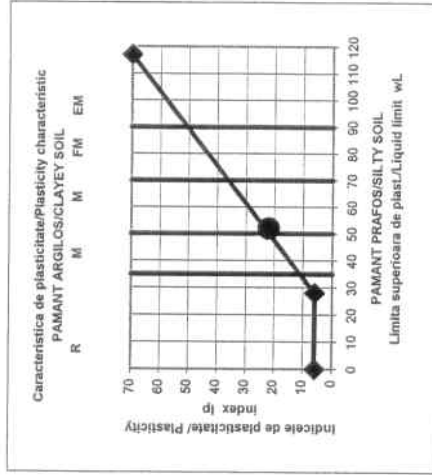
	U.M.	1	2	3
m 1	g	16,2	20,3	23,2
m 2	g	12,3	15,8	17,8
m 3	g	7,8	11,0	12,3
w	%	86,7	93,8	98,2
Nr de lovituri/No. of blows	-	28	16	11

	U.M.	1
m 1	g	39,8
m 2	g	36,2
m 3	g	24,2
WP	%	30,0

W_p = 30,0 %



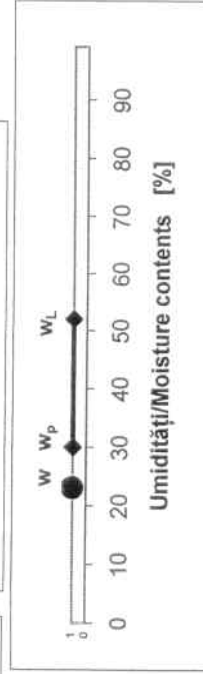
w_L = 88,1 %



	U.M.	1
m 1	g	133,0
m 2	g	115,6
m 3	g	40,4
w	%	23,1

w = 23,1 %

lc=	1,31
lp=	22,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 187

Cota/Depth: -0,80 m

11.24.18.12.2008

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

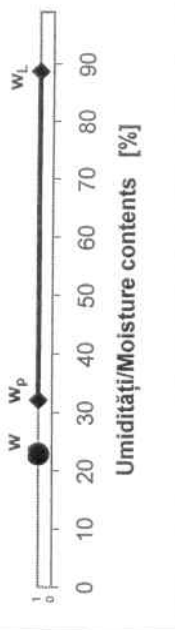
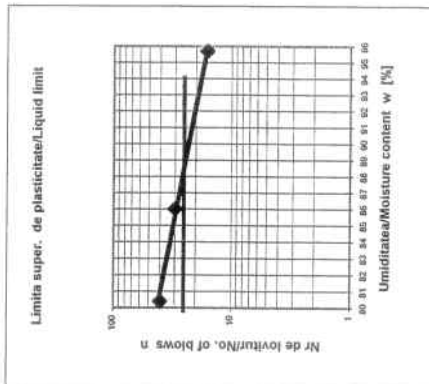
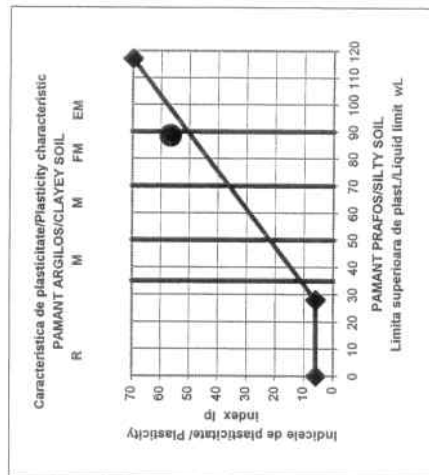
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	17,2	19,6	26,2
m 2	g	13,1	15,3	19,5
m 3	g	8,0	10,3	12,5
w	%	80,4	86,0	95,7
Nr de lovituri/No. of blows	-	40	30	16

	U.M.	1
m 1	g	62,5
m 2	g	58,1
m 3	g	44,4
Wp	%	32,1

Wp = 32,1 %



WL = 88,7 %

	U.M.	1
m 1	g	177,5
m 2	g	151,9
m 3	g	40,4
w	%	23,0

w = 23,0 %

lc =	1,16
lp =	56,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 189
Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11125 / 18.12.2008

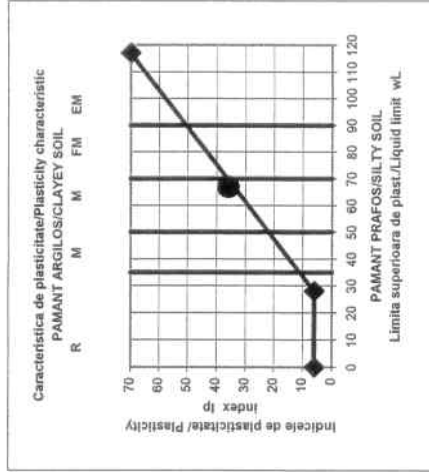
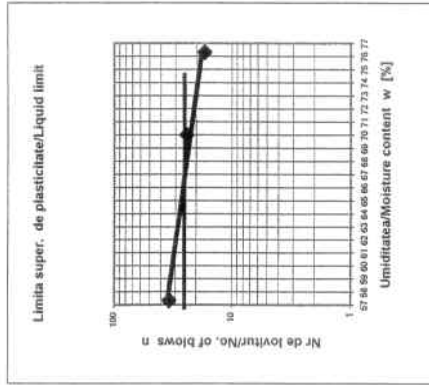
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,7	25,6	14,7
m 2	g	14,8	20,0	11,8
m 3	g	8,0	12,0	8,0
w	%	57,4	70,0	76,3
Nr de lovituri/No. of blows	-	34	24	17

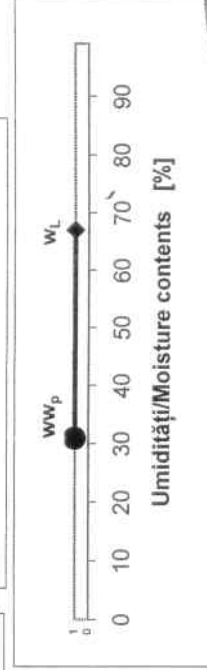
	U.M.	1
m 1	g	35,4
m 2	g	32,1
m 3	g	21,5
Wp	%	31,1

Wp = 31,1 %



	U.M.	1
m 1	g	165,9
m 2	g	135,9
m 3	g	39,1
w	%	31,0

w = 31,0 %



wL = 67,0 %

Ic = 1,00
Ip = 35,9 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.G. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 190
Cota/Depth: -2,00 - 2,20 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11126/18.12.2008

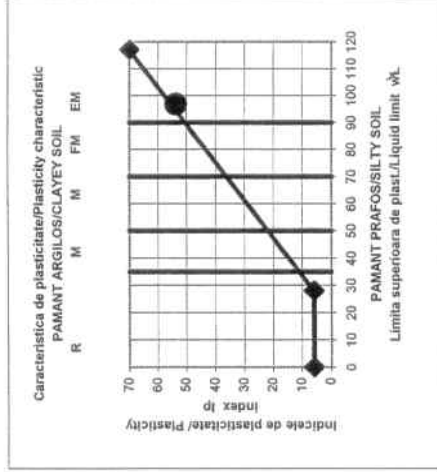
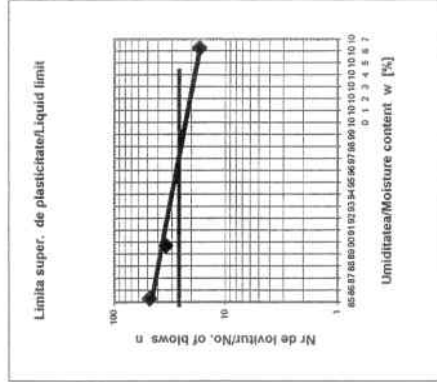
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	14,3	25,4	25,6
m 2	g	11,4	19,3	18,8
m 3	g	8,0	12,5	12,4
w	%	85,3	89,7	106,3
Nr de lovituri/No. of blows	-	48	34	17

	U.M.	1
m 1	g	61,3
m 2	g	56,2
m 3	g	44,4
W _p	%	43,2

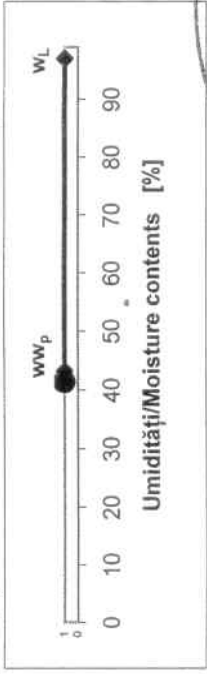
W_p = 43,2 %



	U.M.	1
m 1	g	130,0
m 2	g	103,0
m 3	g	37,9
W	%	41,5

W = 41,5 %

lc=	1,03
lp=	53,8 %



W_L = 97,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 191
 Cota/Depth: -1,60 m

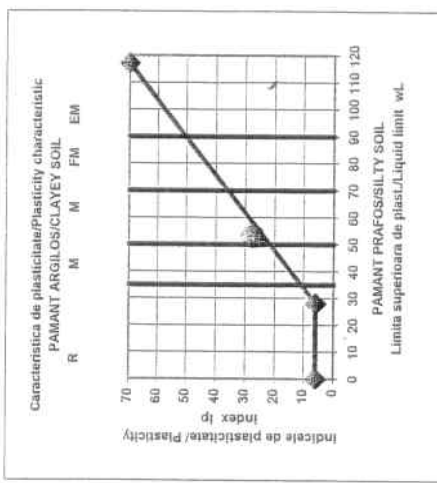
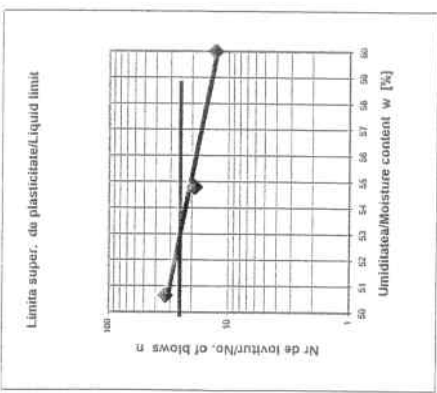
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11458 / 19.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,6	21,7	17,6
m 2	g	15,0	17,7	14,0
m 3	g	7,9	10,4	8,0
w	%	50,6	54,8	60,0
Nr de lovituri/No. of blows	-	33	19	13

	U.M.	1
m 1	g	37,1
m 2	g	34,2
m 3	g	22,8
Wp	%	25,4

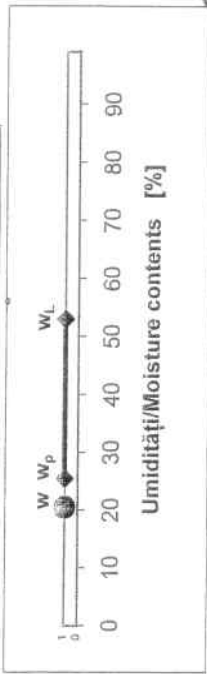
Wp = 25,4 %



	U.M.	1
m 1	g	257,5
m 2	g	219,9
m 3	g	36,4
w	%	20,5

w = 20,5 %

lc = 1,18
lp = 27,6 %



wL = 53,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 194

Cota/Depth: -0,80 m

1127/18.12.2008

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.

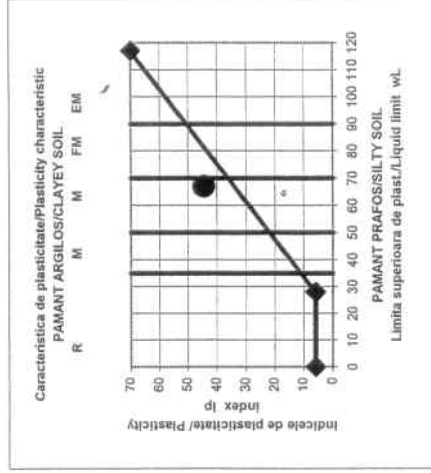
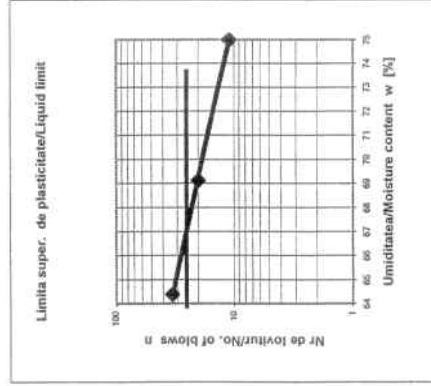
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	19,9	19,9	19,7
m 2	g	15,2	15,2	14,6
m 3	g	7,9	8,4	7,8
w	%	64,4	69,1	75,0
Nr de lovituri/No. of blows	-	33	20	11

	U.M.	1
m 1	g	41,1
m 2	g	38,0
m 3	g	24,3
W _p	%	22,6

W_p = 22,6 %

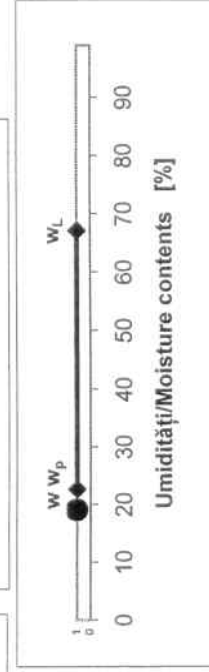


	U.M.	1
m 1	g	146,7
m 2	g	129,2
m 3	g	37,6
w	%	19,1

w = 19,1 %

lc=	1,08
lp=	44,5 %

W_L = 67,1 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN



PO-101-01.06/8/10

Pag. 1/1



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 195

Cota/Depth: -1,60 m
11128 / 18.12.2008

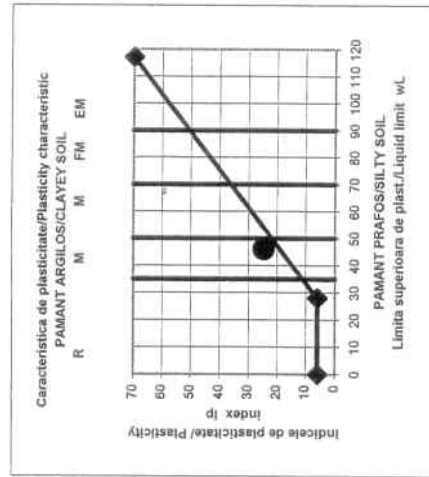
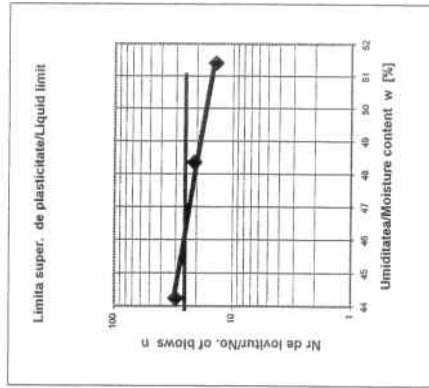
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	26,6	21,5	26,1
m 2	g	22,0	17,1	20,6
m 3	g	11,6	8,0	9,9
w	%	44,2	48,4	51,4
Nr de lovituri/No. of blows	-	30	21	14

	U.M.	1
m 1	g	37,3
m 2	g	34,5
m 3	g	21,5
WP	%	21,5

WP = 21,5 %

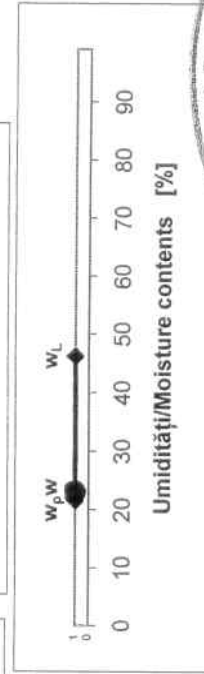


	U.M.	1
m 1	g	208,3
m 2	g	176,0
m 3	g	35,8
w	%	23,0

w = 23,0 %

lc = 0,94
lp = 24,7 %

w_L = 46,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]
Pag. 1/1





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 196
Cota/Depth: -0,80 m

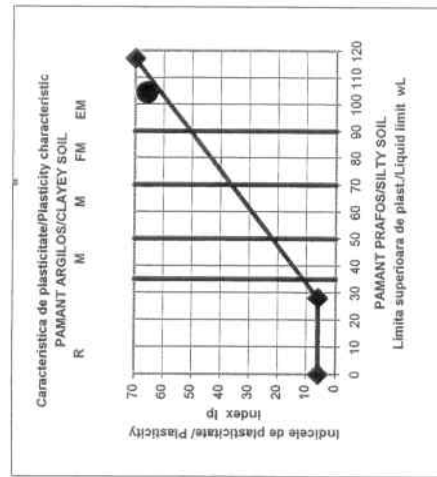
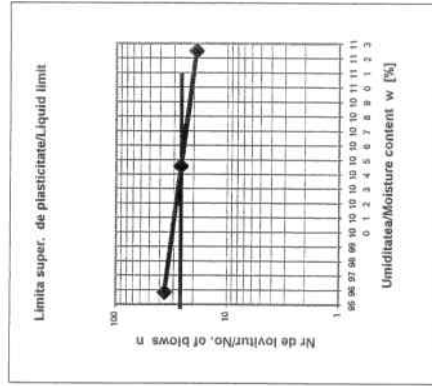
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11129.1.18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	21,9	17,1	16,5
m 2	g	17,3	12,5	12,0
m 3	g	12,5	8,1	8,0
w	%	95,8	104,5	112,5
Nr de lovituri/No. of blows	-	36	26	19

	U.M.	1
m 1	g	32,9
m 2	g	29,1
m 3	g	19,3
Wp	%	38,8

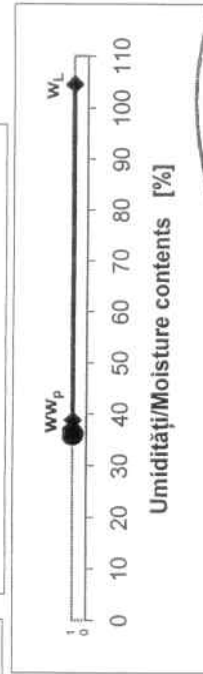
Wp = 38,8 %



	U.M.	1
m 1	g	121,9
m 2	g	99,0
m 3	g	35,7
w	%	36,2

w = 36,2 %

lc = 1,04
lp = 65,7 %



Wl = 104,5%

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 1967
Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1130 / 1.18.12.2008

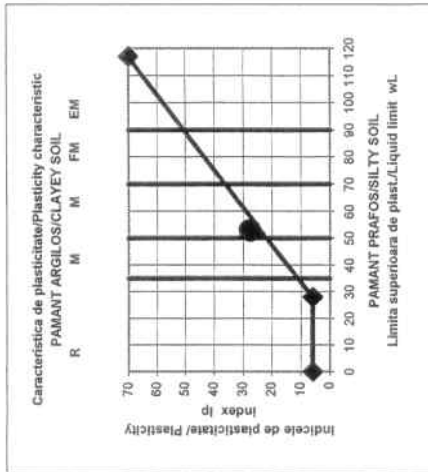
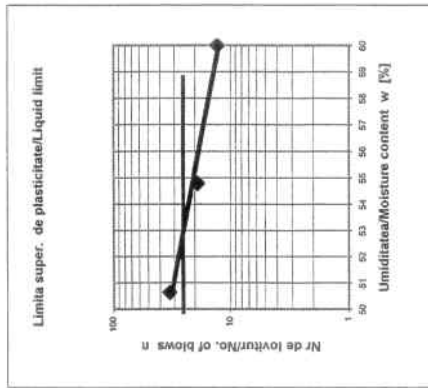
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,6	21,7	17,6
m 2	g	15,0	17,7	14,0
m 3	g	7,9	10,4	8,0
w	%	50,6	54,8	60,0
Nr de lovituri/No. of blows	-	33	19	13

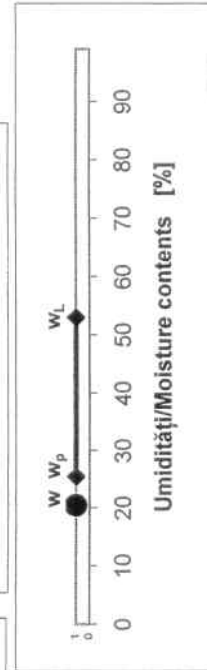
	U.M.	1
m 1	g	37,1
m 2	g	34,2
m 3	g	22,8
Wp	%	25,4

Wp = 25,4 %



	U.M.	1
m 1	g	257,5
m 2	g	219,9
m 3	g	36,4
w	%	20,5

w = 20,5 %



lc=	1,18
lp=	27,6 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

[Signature]





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 198
 Cota/Depth: -0,70 m

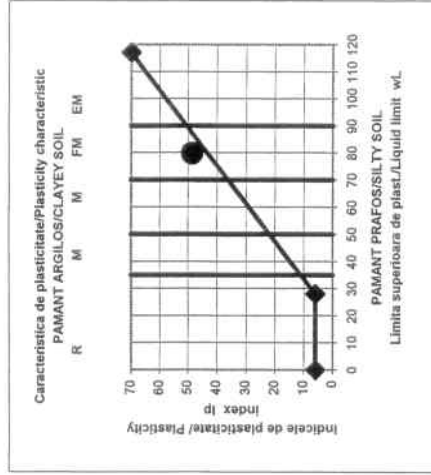
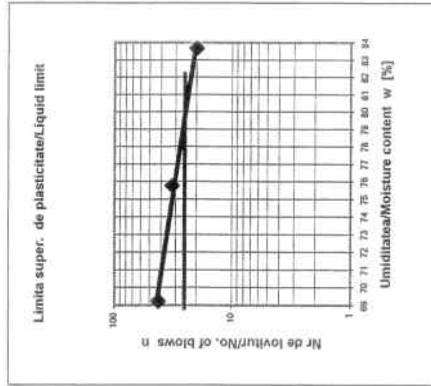
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 113A / 1.18.12.2008
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

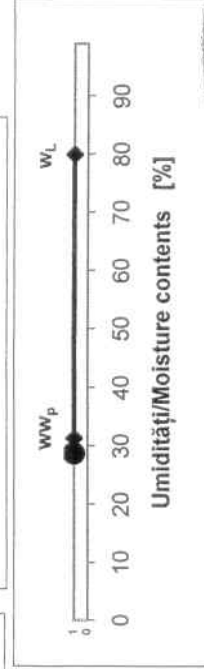
	U.M.	1	2	3
m 1	g	16,6	19,3	17,2
m 2	g	13,0	14,3	13,1
m 3	g	7,8	7,7	8,2
W	%	69,2	75,8	83,7
Nr de lovituri/No. of blows	-	42	32	20

	U.M.	1
m 1	g	47,0
m 2	g	44,0
m 3	g	34,4
Wp	%	31,3

$W_p = 31,3 \%$



$W_L = 79,9 \%$



	U.M.	1
m 1	g	138,3
m 2	g	116,0
m 3	g	38,3
W	%	28,7

$W = 28,7 \%$

$I_c = 1,05$
$I_p = 48,7 \%$

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 199
Cota/Depth: -2,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11132.1.18.12.2008

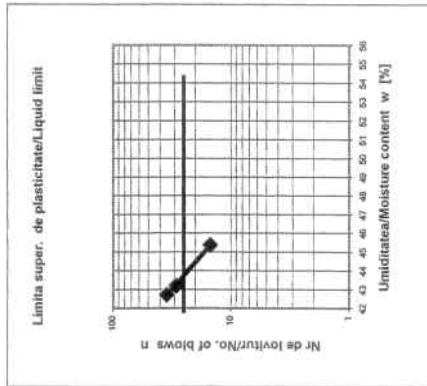
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

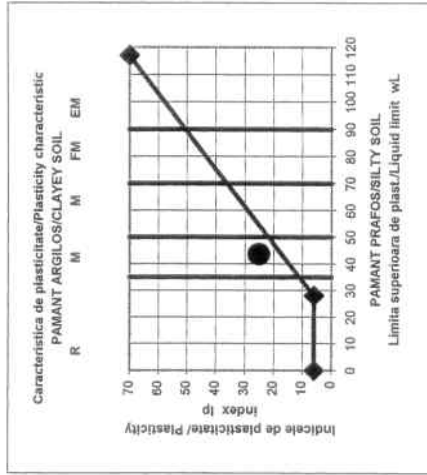
	U.M.	1	2	3
m 1	g	23,9	30,3	23,7
m 2	g	19,2	24,9	18,8
m 3	g	8,2	12,4	8,0
W	%	42,7	43,2	45,4
Nr de lovituri/No. of blows	-	35	29	15

	U.M.	1
m 1	g	36,9
m 2	g	34,9
m 3	g	24,2
W _P	%	18,7

W_P = 18,7 %



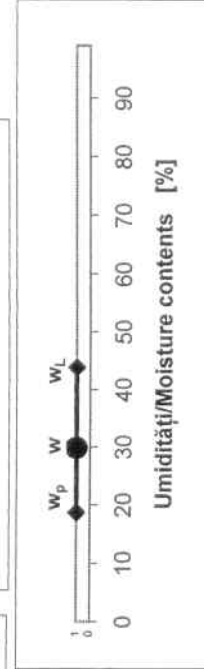
W_L = 43,8 %



	U.M.	1
m 1	g	188,9
m 2	g	154,3
m 3	g	38,5
W	%	29,9

W = 29,9 %

lc=	0,55
lp=	25,1 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 200
Cota/Depth: -0,70 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1133.1.18.12.2008

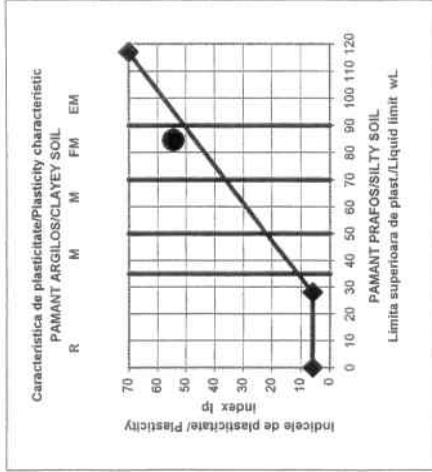
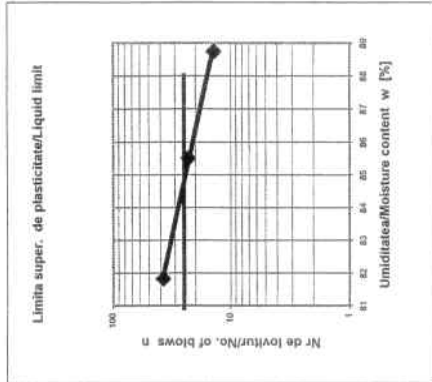
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	26,1	20,8	23,0
m 2	g	18,0	14,9	15,9
m 3	g	8,1	8,0	7,9
W	%	81,8	85,5	88,8
Nr de lovituri/No. of blows	-	38	23	14

	U.M.	1
m 1	g	60,7
m 2	g	56,9
m 3	g	44,4
WP	%	30,4

W_p = 30,4 %

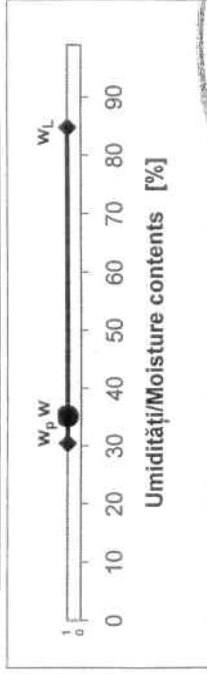


	U.M.	1
m 1	g	212,7
m 2	g	167,1
m 3	g	37,6
W	%	35,2

W = 35,2 %

lc=	0,91
lp=	54,4 %

W_L = 84,8 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

(Handwritten signature)





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘDARA

Autostrada - Task III
Sondaj nr.: C / 202
Cota/Depth: -1,20 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1134 / 18 / 2008

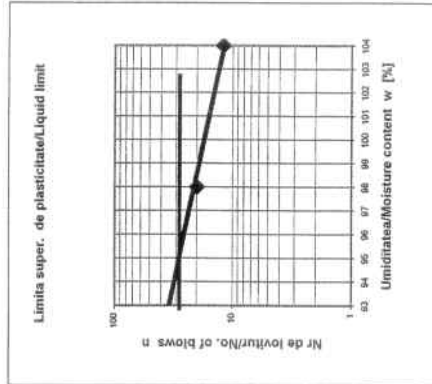
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

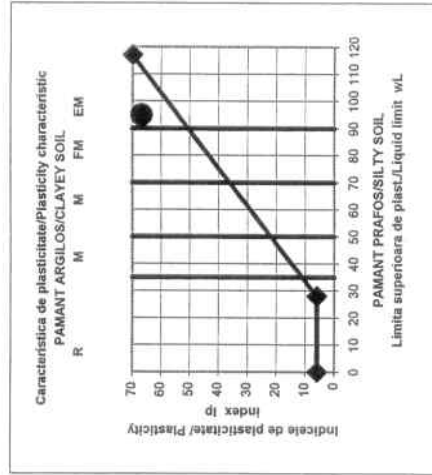
	U.M.	1	2	3
m 1	g	19,1	17,8	18,1
m 2	g	13,8	12,9	12,9
m 3	g	8,1	7,9	7,9
W	%	93,0	98,0	104,0
Nr de lovituri/No. of blows	-	35	20	12

	U.M.	1
m 1	g	36,5
m 2	g	33,2
m 3	g	21,5
Wp	%	28,2

Wp = 28,2 %



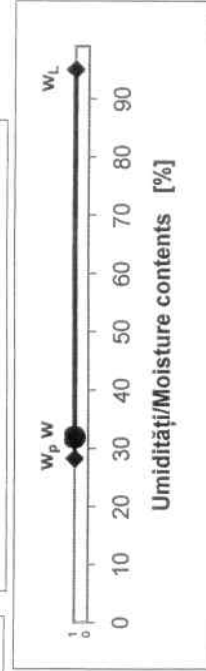
WL = 95,0 %



	U.M.	1
m 1	g	169,3
m 2	g	137,2
m 3	g	36,8
W	%	32,0

W = 32,0 %

Ic = 0,94
Ip = 66,8 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 203
Cota/Depth: -0,70 m

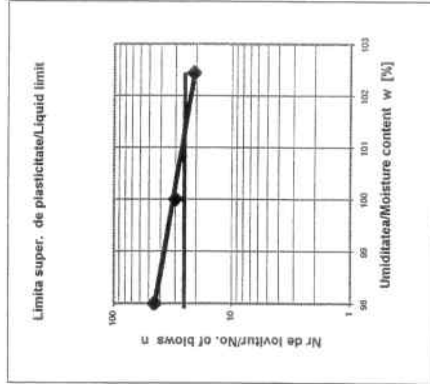
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1135 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

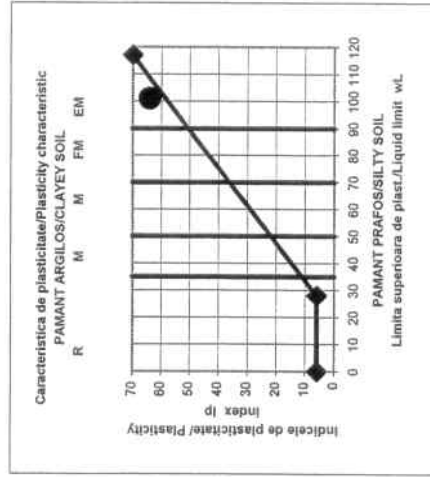
	U.M.	1	2	3
m 1	g	17,9	17,7	16,1
m 2	g	13,0	12,9	11,9
m 3	g	8,0	8,1	7,8
w	%	98,0	100,0	102,4
Nr de lovituri/No. of blows	-	45	30	21

	U.M.	1
m 1	g	41,4
m 2	g	36,6
m 3	g	23,7
Wp	%	37,2

Wp = 37,2 %



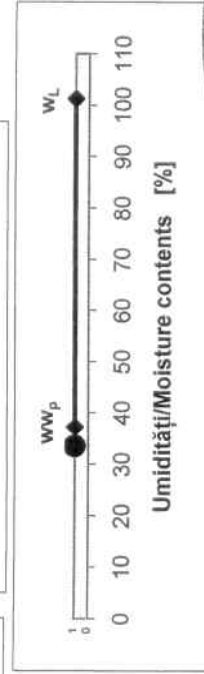
WL = 101,2 %



	U.M.	1
m 1	g	121,8
m 2	g	100,8
m 3	g	38,3
w	%	33,6

w = 33,6 %

✓	lc=	1,06
	lp=	64,0 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 205
Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1136 / 18.12.2008

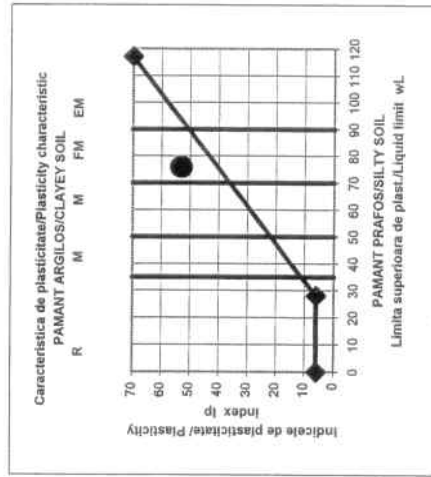
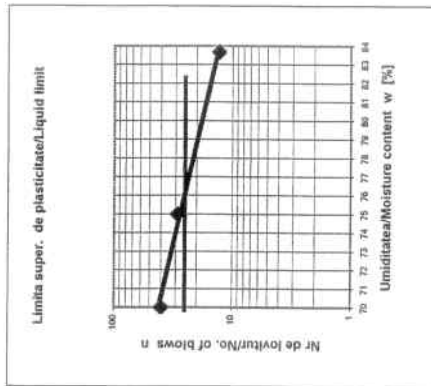
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	18,3	15,7	17,3
m 2	g	15,5	12,4	13,2
m 3	g	11,5	8,0	8,3
w	%	70,0	75,0	83,7
Nr de lovituri/No. of blows	-	40	29	13

	U.M.	1
m 1	g	50,9
m 2	g	47,8
m 3	g	34,3
WP	%	23,0

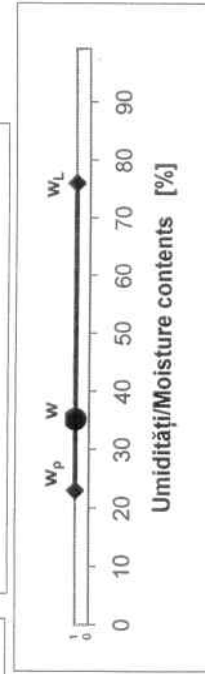
W_P = 23,0 %



	U.M.	1
m 1	g	212,7
m 2	g	167,1
m 3	g	37,6
w	%	35,2

w = 35,2 %

lc =	0,77
lp =	53,0 %



W_L = 76,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 207
Cota/Depth: -1,40 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11137 / 18.12.2008

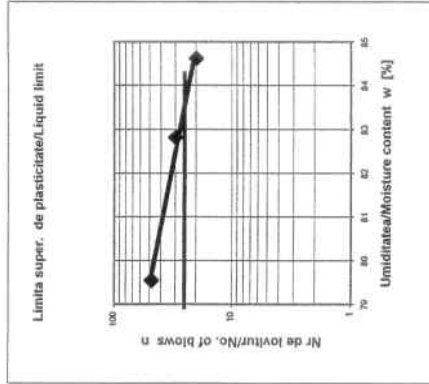
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

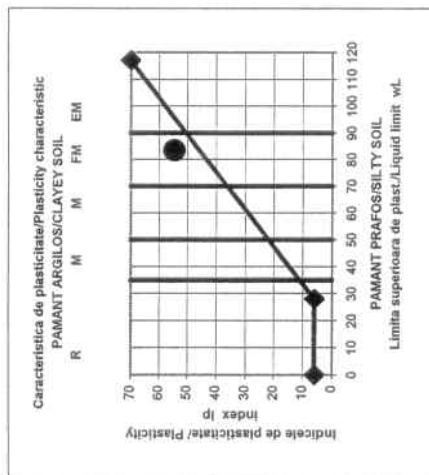
	U.M.	1	2	3
m 1	g	15,7	24,2	24,4
m 2	g	12,2	18,9	18,9
m 3	g	7,8	12,5	12,4
W	%	79,5	82,8	84,6
Nr de lovituri/No. of blows	-	48	30	20

	U.M.	1
m 1	g	65,3
m 2	g	60,6
m 3	g	44,4
WP	%	29,0

$W_p = 29,0 \%$



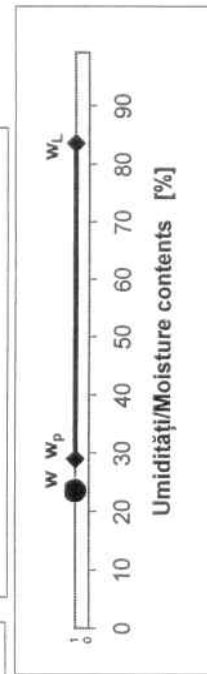
$w_L = 83,6 \%$



	U.M.	1
m 1	g	141,0
m 2	g	121,5
m 3	g	38,9
W	%	23,6

$w = 23,6 \%$

$I_c = 1,10$
$I_p = 54,6 \%$



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 208
 Cota/Depth: -0,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1138 / 18.12.2008

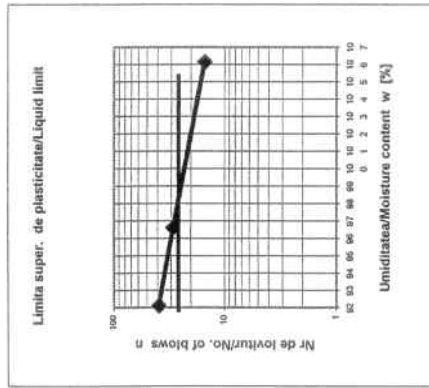
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

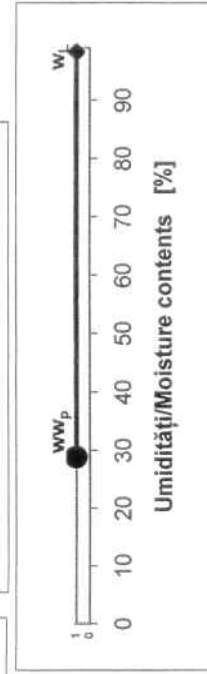
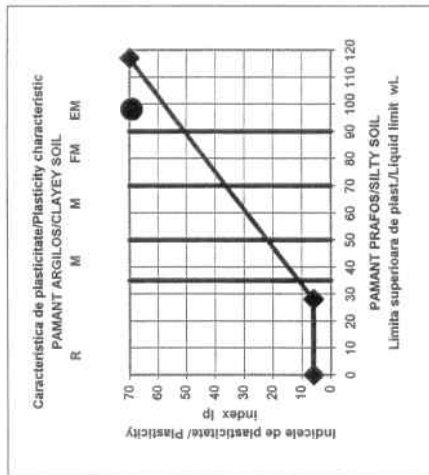
	U.M.	1	2	3
m 1	g	22,5	19,5	21,3
m 2	g	15,5	13,8	14,4
m 3	g	7,9	7,9	7,9
w	%	92,1	96,6	106,2
Nr de lovituri/No. of blows	-	39	29	15

	U.M.	1
m 1	g	36,5
m 2	g	33,4
m 3	g	22,8
Wp	%	29,2

Wp = 29,2 %



W_L = 98,3 %



	U.M.	1
m 1	g	147,4
m 2	g	122,3
m 3	g	35,4
w	%	28,9

w = 28,9 %

lc=	1,01
lp=	69,1 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 209
Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1139 / 18.12.2008

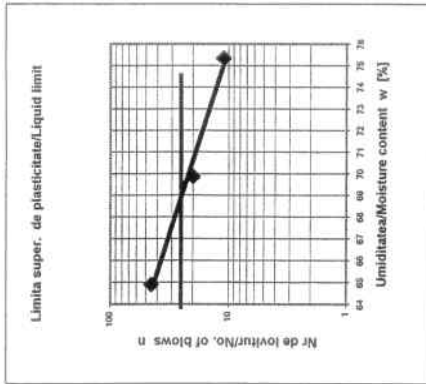
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

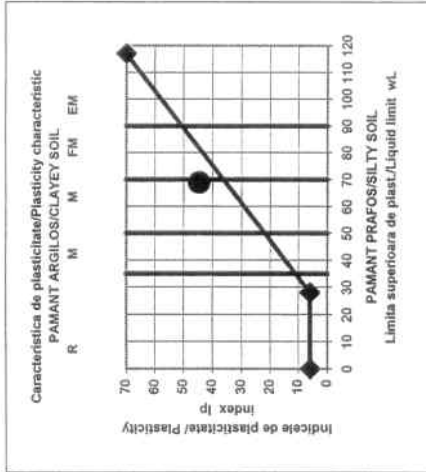
	U.M.	1	2	3
m 1	g	23,3	20,6	20,7
m 2	g	17,2	15,5	15,2
m 3	g	7,8	8,2	7,9
w	%	64,9	69,9	75,3
Nr de lovituri/No. of blows	-	45	20	11

	U.M.	1
m 1	g	34,2
m 2	g	31,3
m 3	g	19,4
Wp	%	24,4

Wp = 24,4 %



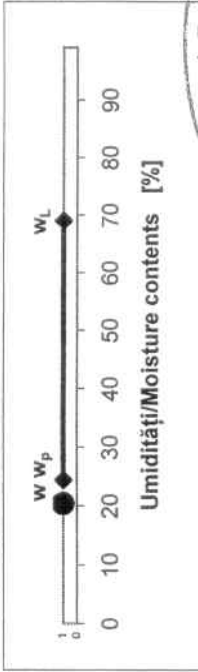
WL = 69,0 %



	U.M.	1
m 1	g	162,2
m 2	g	140,8
m 3	g	36,0
w	%	20,4

w = 20,4 %

Ic = 1,09
Ip = 44,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL

STR. FILARET BARBU NR. 2

300193 TIMIȘOARA

Autostrada - Task III

Sondaj nr.: C / 210

Cota/Depth: -1,80 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11812 / 19.12.2008

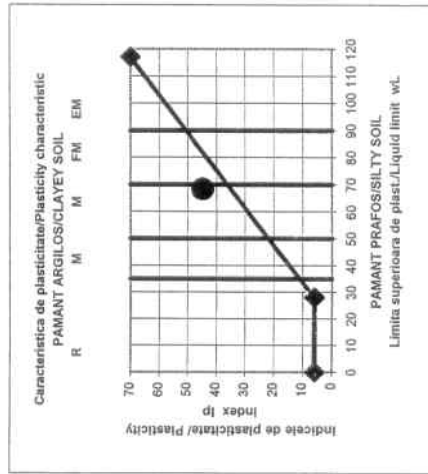
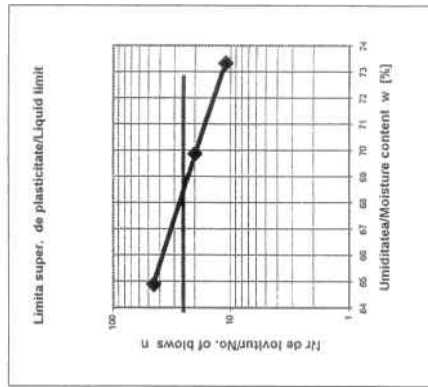
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	24,2	21,6	21,7
m 2	g	18,1	16,5	16,2
m 3	g	8,7	9,2	8,7
W	%	64,9	69,9	73,3
Nr de lovituri/No. of blows	-	45	20	11

	U.M.	1
m 1	g	36,2
m 2	g	33,3
m 3	g	21,1
Wp	%	23,8

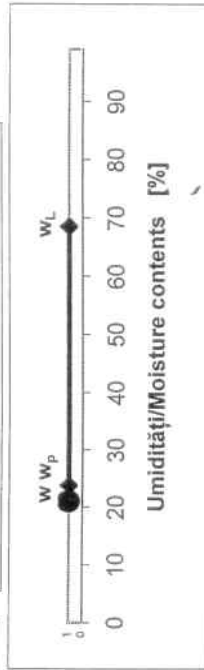
Wp = 23,8 %



	U.M.	1
m 1	g	185,2
m 2	g	160,3
m 3	g	42,3
W	%	21,1

W = 21,1 %

Ic = 1,06
Ip = 44,7 %



WL = 68,5 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 211
Cota/Depth: -0,80 m

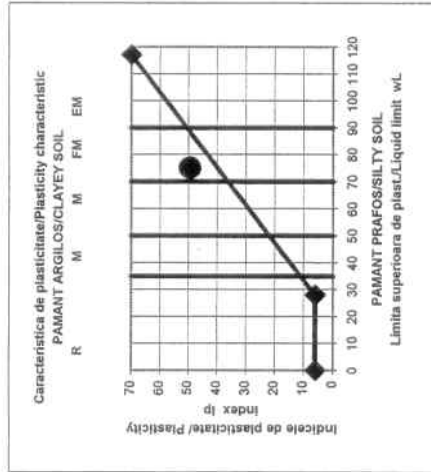
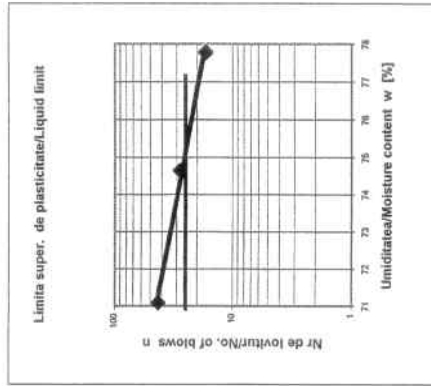
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1140 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,0	20,7	22,2
m 2	g	16,1	15,4	15,9
m 3	g	7,8	8,3	7,8
W	%	71,1	74,6	77,8
Nr de lovituri/No. of blows	-	43	28	17

	U.M.	1
m 1	g	37,4
m 2	g	34,7
m 3	g	24,2
WP	%	25,7

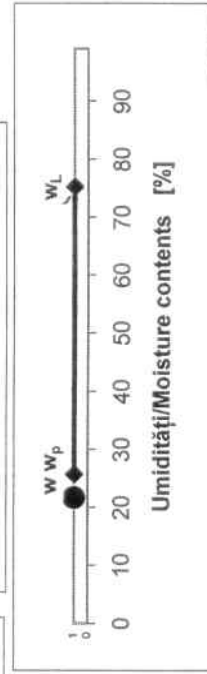
Wp = 25,7 %



	U.M.	1
m 1	g	156,8
m 2	g	135,4
m 3	g	37,1
W	%	21,8

W = 21,8 %

lc =	1,08
lp =	49,5 %



WL = 75,2 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
 STR. FILARET BARBU NR. 2
 300193 TIMIȘOARA

Autostrada - Task III
 Sondaj nr.: C / 212
 Cota/Depth: -1,60 m

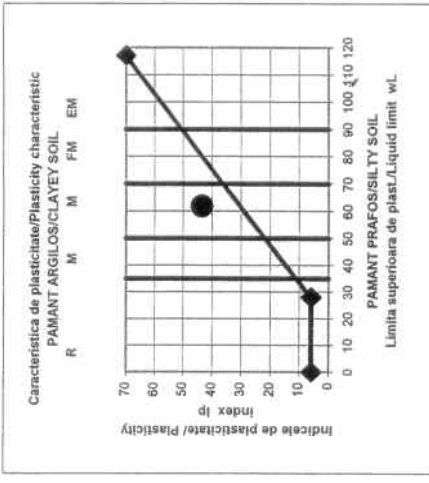
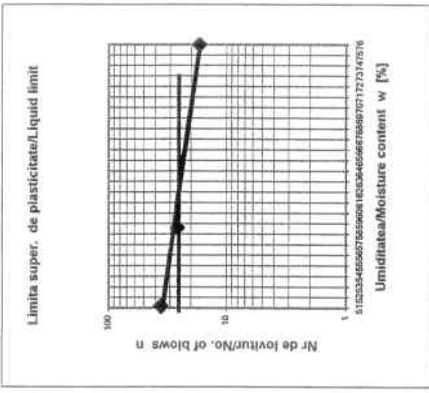
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 114/1.18.12.2008
 DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	25,0	33,2	34,3
m 2	g	20,7	28,1	26,7
m 3	g	12,3	19,4	16,7
w	%	51,2	58,6	76,0
Nr de lovituri/No. of blows	-	36	26	17

	U.M.	1
m 1	g	32,8
m 2	g	30,7
m 3	g	19,4
Wp	%	18,6

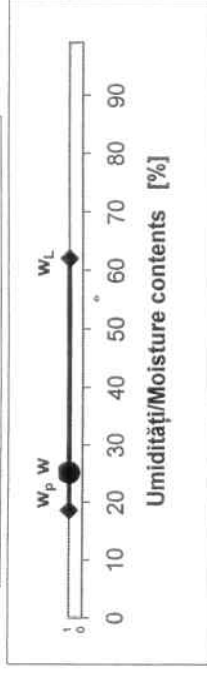
Wp = **18,6 %**



	U.M.	1
m 1	g	151,7
m 2	g	128,2
m 3	g	34,9
w	%	25,2

w = **25,2 %**

lc =	0,85
lp =	43,4 %



Wl = **62,0 %**

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
 Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 213
Cota/Depth: -0,60 m

1142 / 18.12.2008

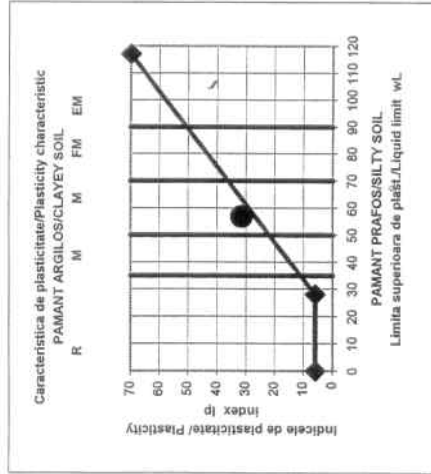
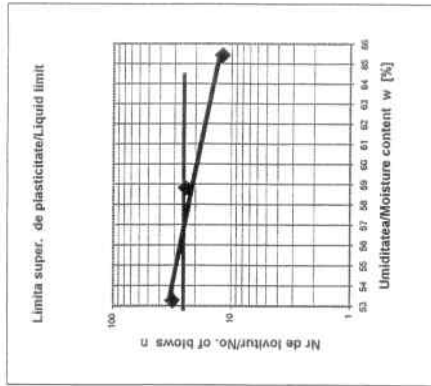
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	22,6	27,2	21,3
m 2	g	17,5	20,2	16,0
m 3	g	8,0	8,3	7,9
W	%	53,3	58,8	65,4
Nr de lovituri/No. of blows	-	31	24	12

	U.M.	1
m 1	g	37,1
m 2	g	33,5
m 3	g	19,4
W _p	%	25,5

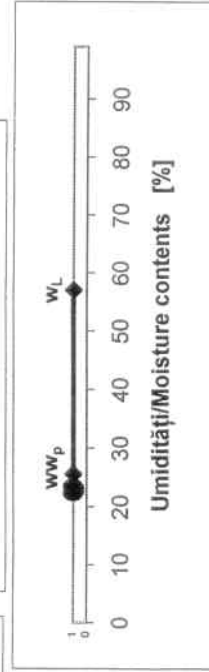
W_p = 25,5 %



	U.M.	1
m 1	g	177,5
m 2	g	151,9
m 3	g	40,4
W	%	23,0

W = 23,0 %

lc=	1,08
lp=	31,5 %



W_L = 57,0 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 215
Cota/Depth: -1,60 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.1113 / 18.12.2008

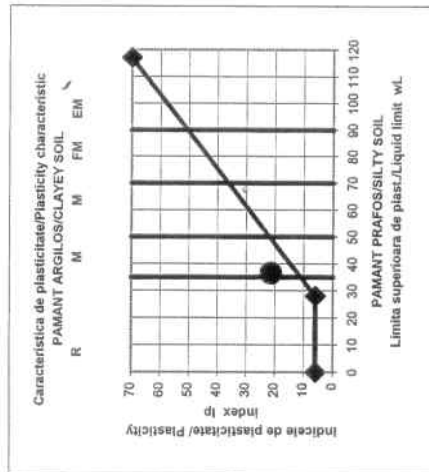
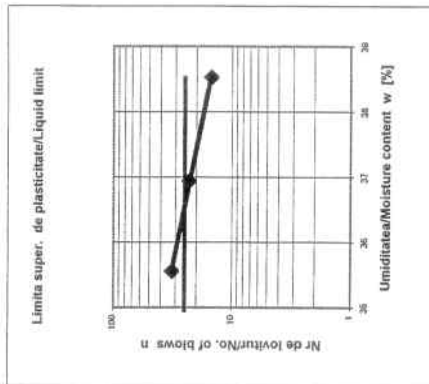
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	30,7	27,5	27,5
m 2	g	25,9	23,4	23,3
m 3	g	12,4	12,3	12,4
W	%	35,6	36,9	38,5
Nr de lovituri/No. of blows	-	32	23	15

	U.M.	1
m 1	g	38,8
m 2	g	36,8
m 3	g	23,7
W _P	%	15,3

W_P = 15,3 %

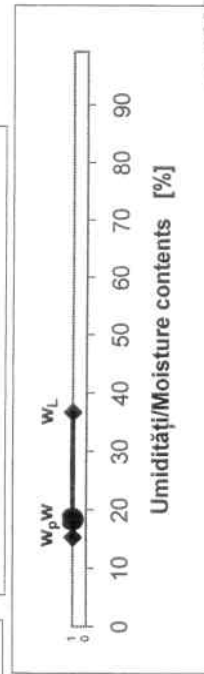


	U.M.	1
m 1	g	174,2
m 2	g	152,8
m 3	g	36,5
W	%	18,4

W = 18,4 %

lc=	0,85
lp=	21,3 %

W_L = 36,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 217
Cota/Depth: -1,00 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1144 / 18.12.2008

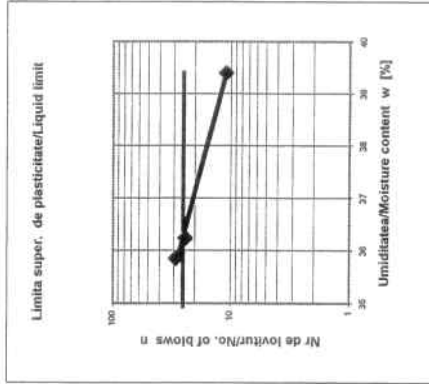
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

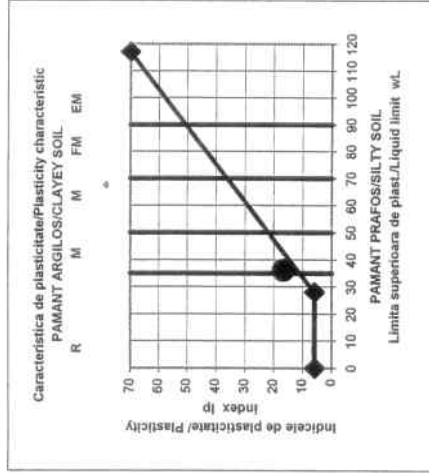
	U.M.	1	2	3
m 1	g	17,4	21,0	21,8
m 2	g	15,5	18,5	19,2
m 3	g	10,2	11,6	12,6
w	%	35,8	36,2	39,4
Nr de lovituri/No. of blows	-	29	24	11

	U.M.	1
m 1	g	40,4
m 2	g	37,5
m 3	g	22,8
W _p	%	19,7

w_p = 19,7 %



w_L = 36,3 %

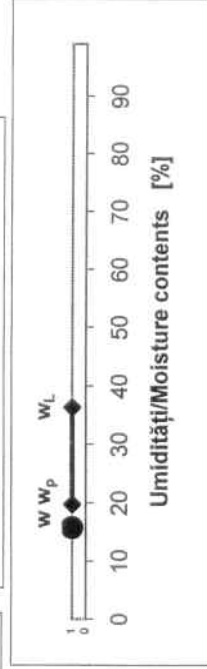


	U.M.	1
m 1	g	228,3
m 2	g	202,1
m 3	g	36,2
w	%	15,8

w = 15,8 %

Ic = 1,24

Ip = 16,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 218
Cota/Depth: -0,40 m

BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1145 / 18.12.2008

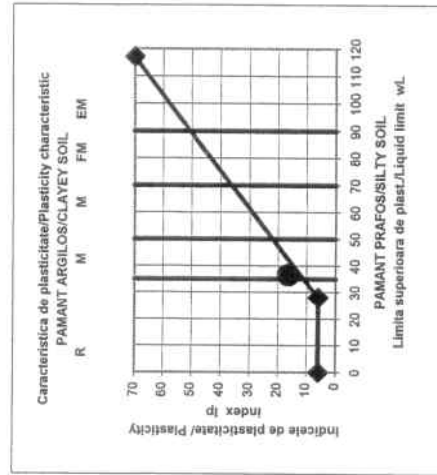
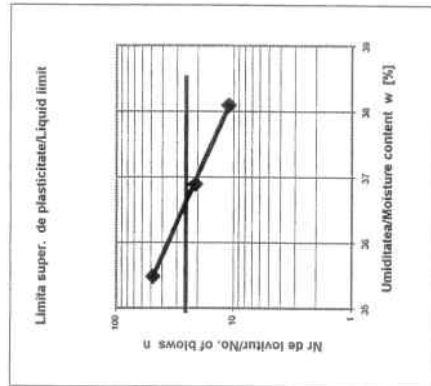
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	25,7	26,6	22,5
m 2	g	22,4	22,8	19,3
m 3	g	13,1	12,5	10,9
w	%	35,5	36,9	38,1
Nr de lovituri/No. of blows	-	48	21	11

	U.M.	1
m 1	g	33,5
m 2	g	31,1
m 3	g	19,3
Wp	%	20,3

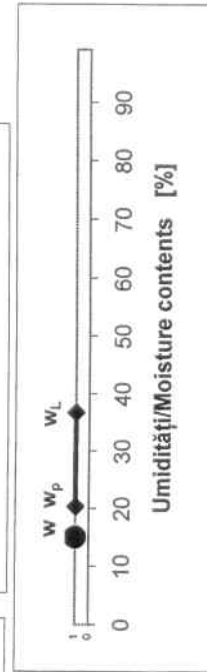
Wp = 20,3 %



	U.M.	1
m 1	g	182,1
m 2	g	162,9
m 3	g	35,7
w	%	15,1

w = 15,1 %

lc= 1,32
lp= 16,4 %



wL = 36,7 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

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PO-101-01.06/8/10



S.G. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 222
Cota/Depth: -0,70 m

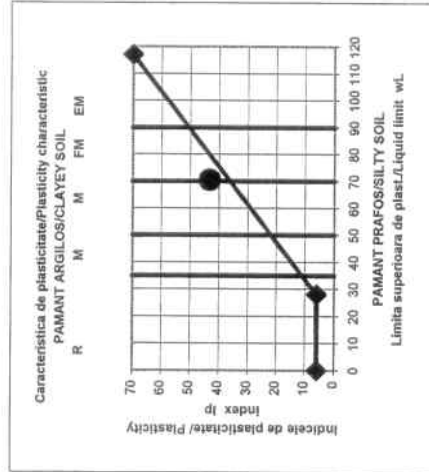
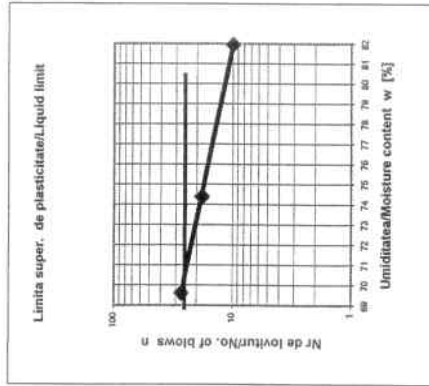
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 1146/18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

	U.M.	1	2	3
m 1	g	25,4	22,5	21,2
m 2	g	18,3	16,4	15,3
m 3	g	8,1	8,2	8,1
W	%	69,6	74,4	81,9
Nr de lovituri/No. of blows	-	27	18	10

	U.M.	1
m 1	g	36,3
m 2	g	33,4
m 3	g	22,8
W _P	%	27,4

W_P = 27,4 %

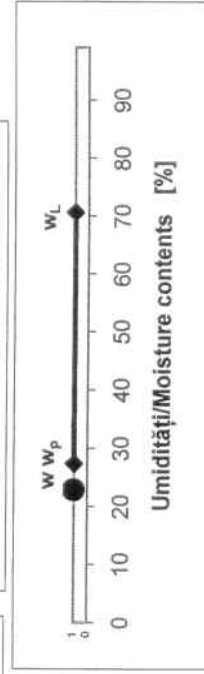


	U.M.	1
m 1	g	175,6
m 2	g	149,8
m 3	g	37,1
W	%	22,9

W = 22,9 %

lc=	1,10
lp=	43,2 %

W_L = 70,6 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 226

Cota/Depth: -2,30 m
11147 / 18.12.2004

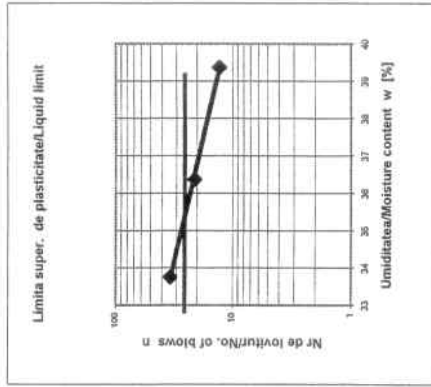
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no.
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

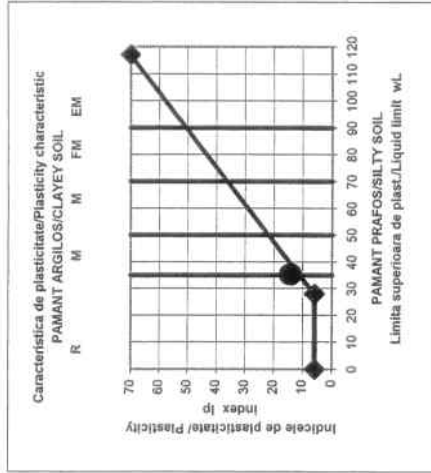
	U.M.	1	2	3
m 1	g	18,7	25,3	21,2
m 2	g	16,0	21,3	17,5
m 3	g	8,0	10,3	8,1
w	%	33,8	36,4	39,4
Nr de lovituri/No. of blows	-	34	21	13

	U.M.	1
m 1	g	37,5
m 2	g	34,9
m 3	g	22,7
Wp	%	21,3

Wp = 21,3 %



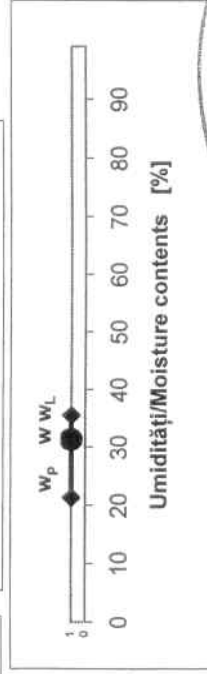
W_L = 35,5 %



	U.M.	1
m 1	g	274,1
m 2	g	217,4
m 3	g	36,6
w	%	31,4

w = 31,4 %

lc = 0,29
lp = 14,2 %



Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN





S.C. CARA SRL
STR. FILARET BARBU NR. 2
300193 TIMIȘOARA

Autostrada - Task III
Sondaj nr.: C / 227
Cota/Depth: -1,20 m

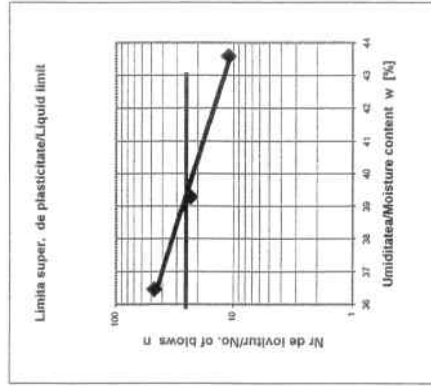
BULETIN DE ANALIZĂ nr. / ANALYSIS REPORT no. 11148 / 18.12.2008
DETERMINAREA LIMITELOR DE PLASTICITATE / CONSISTENCY LIMITS TESTS

Conform/According to STAS 1913/4 - 86 - Laborator autorizat/Authorized laboratory - Aut. nr./Aut. No.624/ISC-30.11.2004

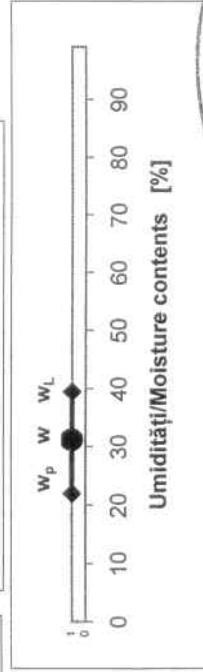
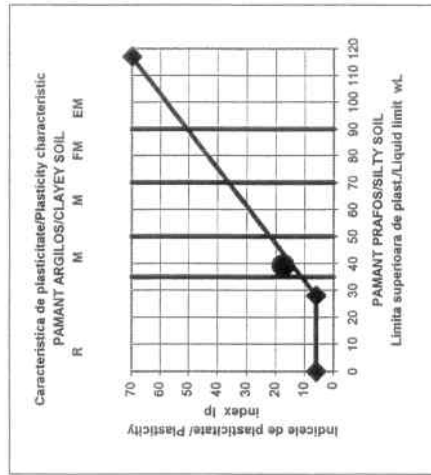
	U.M.	1	2	3
m 1	g	25,7	19,9	29,3
m 2	g	22,2	16,6	24,2
m 3	g	12,6	8,2	12,5
W	%	36,5	39,3	43,6
Nr de lovituri/No. of blows	-	47	23	11

	U.M.	1
m 1	g	41,4
m 2	g	38,3
m 3	g	24,2
WP	%	22,0

W_p = 22,0 %



W_L = 39,4 %



	U.M.	1
m 1	g	243,2
m 2	g	194,6
m 3	g	39,0
W	%	31,2

W = 31,2 %

I_c = 0,47
I_p = 17,4 %

Șef profil: Dr. ing. Ioan Petru BOLDUREAN
Șef laborator: Dr. ing. Ion BOGDAN

