Analiza tasării

Introducere date (Etapa de constructie 1)

Proiect

Tema : Autostrada Tg. Mures - Tg. Neamnt
Partea : km 91+900
Descriere : Rambleu H=11m

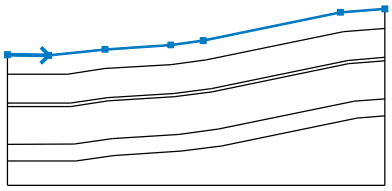
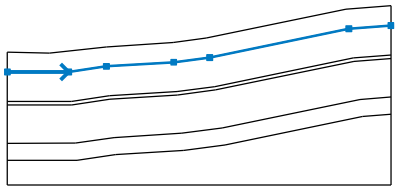
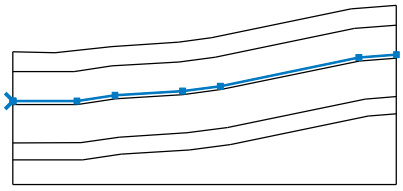
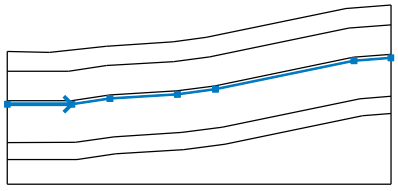
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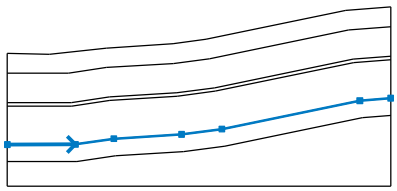
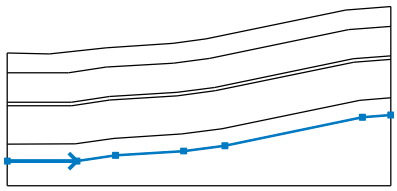
Romania - EN 1997 - constructii (SR EN 1990:2004/NA:2006)

Tasare

Metoda de analiza : Analiza folosind modulul edometric
Restricţionarea zonei de influenţă : pe procentul din Sigma,Or
Coef. de restrictie a zonei de influenta : 10.0 [%]

Interfaţa

Nr.	Localizarea suprafeţei	Coordonatele punctelor interfeţei [m]					
		x	z	x	z	x	z
1		-27.74	10.45	-19.17	10.29	-7.59	11.53
		6.00	12.45	12.70	13.33	41.06	19.19
		50.23	19.90				
2		-27.74	6.44	-15.28	6.44	-7.61	7.58
		6.07	8.42	13.39	9.38	41.68	15.22
		50.23	15.89				
3		-27.74	0.44	-27.70	0.44	-14.71	0.46
		-6.98	1.61	6.75	2.46	14.43	3.47
		42.61	9.28	50.23	9.89		
4		-27.74	-0.26	-14.65	-0.24	-6.90	0.91
		6.83	1.76	14.55	2.78	42.72	8.59
		50.23	9.17				

Nr.	Localizarea suprafeţei	Coordonatele punctelor interfeţei [m]					
		x	z	x	z	x	z
5		-27.74	-8.08	-13.92	-8.02	-6.08	-6.86
		7.71	-5.99	15.90	-4.91	43.93	0.86
		50.23	1.35				
6		-27.74	-11.50	-13.59	-11.51	-5.71	-10.34
		8.11	-9.46	16.50	-8.36	44.47	-2.61
		50.23	-2.16				

Caracteristicile pământului

Umplutura Rambleu
Greut. volum. : γ = 19.00 kN/m^3
Modulul edometric : E_{oed} = 50.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 19.50 kN/m^3

Argila plastic vartoasa
Greut. volum. : γ = 19.00 kN/m^3
Modulul edometric : E_{oed} = 10.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 20.00 kN/m^3

Argila grasa plastic vartoasa
Greut. volum. : γ = 19.00 kN/m^3
Modulul edometric : E_{oed} = 15.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 20.00 kN/m^3

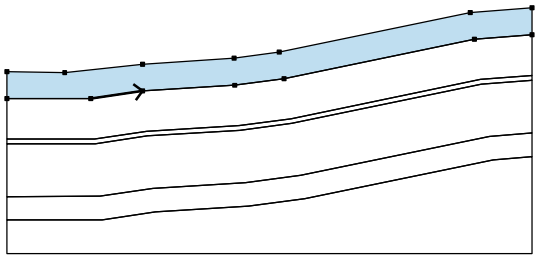
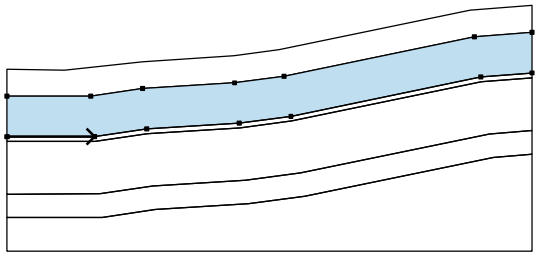
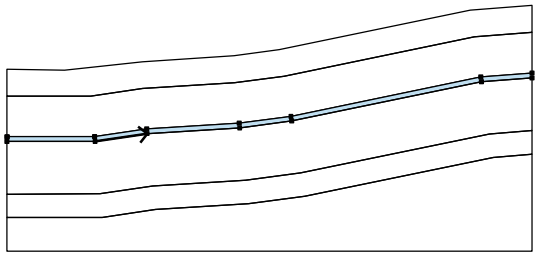
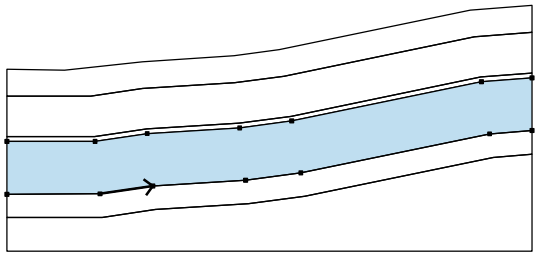
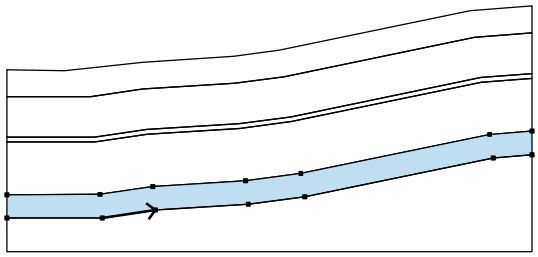
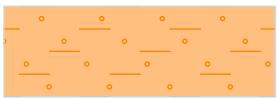
Argila prafoasa
Greut. volum. : γ = 21.00 kN/m^3
Modulul edometric : E_{oed} = 35.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 22.00 kN/m^3

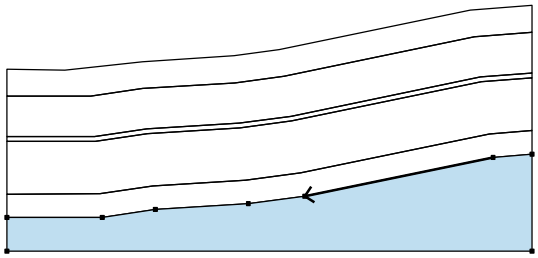
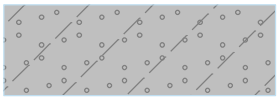
Argila nisipoasa
Greut. volum. : γ = 21.00 kN/m^3
Modulul edometric : E_{oed} = 35.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 22.00 kN/m^3

Nisip prafos
Greut. volum. : γ = 21.00 kN/m^3
Modulul edometric : E_{oed} = 45.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 22.00 kN/m^3

Argila prafoasa(3)
Greut. volum. : γ = 21.00 kN/m^3
Modulul edometric : E_{oed} = 35.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 22.00 kN/m^3

Atribuire şi suprafeţe

Nr.	Poziţia suprafeţei	Coordonatele punctelor suprafeţei [m]				Atribuit pământ
		x	z	x	z	
1		-15.28	6.44	-7.61	7.58	Argila grasa plastic vartoasa
		6.07	8.42	13.39	9.38	
		41.68	15.22	50.23	15.89	
		50.23	19.90	41.06	19.19	
		12.70	13.33	6.00	12.45	
		-7.59	11.53	-19.17	10.29	
		-27.74	10.45	-27.74	6.44	
2		-27.70	0.44	-14.71	0.46	Argila grasa plastic vartoasa
		-6.98	1.61	6.75	2.46	
		14.43	3.47	42.61	9.28	
		50.23	9.89	50.23	15.89	
		41.68	15.22	13.39	9.38	
		6.07	8.42	-7.61	7.58	
		-15.28	6.44	-27.74	6.44	
		-27.74	0.44			
3		-14.65	-0.24	-6.90	0.91	Argila prafoasa(3)
		6.83	1.76	14.55	2.78	
		42.72	8.59	50.23	9.17	
		50.23	9.89	42.61	9.28	
		14.43	3.47	6.75	2.46	
		-6.98	1.61	-14.71	0.46	
		-27.70	0.44	-27.74	0.44	
		-27.74	-0.26			
4		-13.92	-8.02	-6.08	-6.86	Argila prafoasa
		7.71	-5.99	15.90	-4.91	
		43.93	0.86	50.23	1.35	
		50.23	9.17	42.72	8.59	
		14.55	2.78	6.83	1.76	
		-6.90	0.91	-14.65	-0.24	
		-27.74	-0.26	-27.74	-8.08	
5		-13.59	-11.51	-5.71	-10.34	Argila nisipoasa
		8.11	-9.46	16.50	-8.36	
		44.47	-2.61	50.23	-2.16	
		50.23	1.35	43.93	0.86	
		15.90	-4.91	7.71	-5.99	
		-6.08	-6.86	-13.92	-8.02	
		-27.74	-8.08	-27.74	-11.50	

Nr.	Poziţia suprafeţei	Coordonatele punctelor suprafeţei [m]				Atribuit pământ
		x	z	x	z	
6		44.47	-2.61	16.50	-8.36	Nisip prafos
		8.11	-9.46	-5.71	-10.34	
		-13.59	-11.51	-27.74	-11.50	
		-27.74	-16.51	50.23	-16.51	
		50.23	-2.16			

Apa

Tipul apei : Fără apă

Planul golurilo

Traseu şi rafinarea golurilor : standard

Traseu orizontal

Traseu implicit : exact
Adăugare goluri : prin numărul secţiunii
Număr de secţiuni : 20

Rafinare verticală

Nr.	De la adâncimea [m]	Rafinare [m]
1	0.00	0.10
2	2.00	0.30
3	5.00	0.50
4	10.00	2.00
5	30.00	10.00

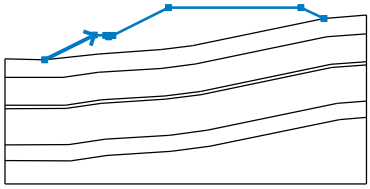
Rezultate (Etapa de constructie 1)

Rezultate

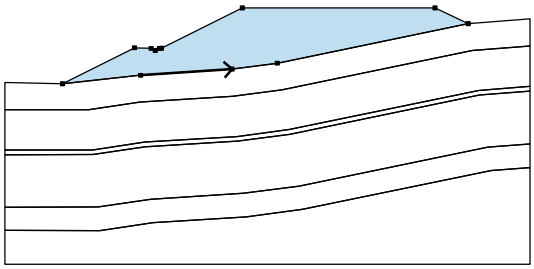
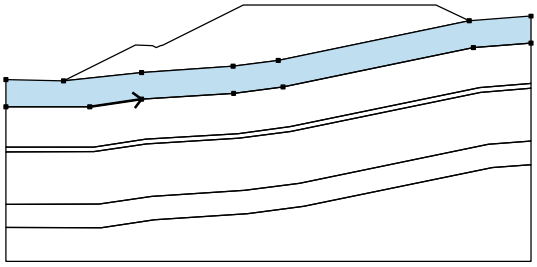
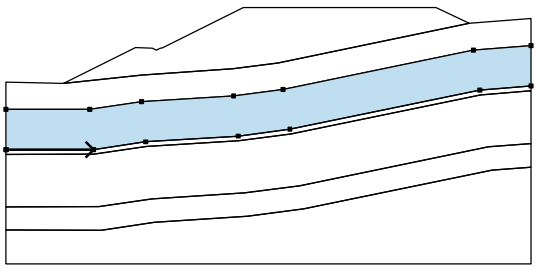
Analiza tensiunilor geologicea fost completata cu succes

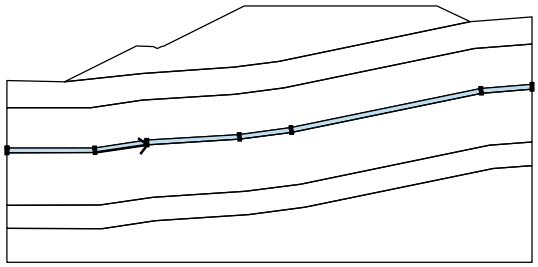
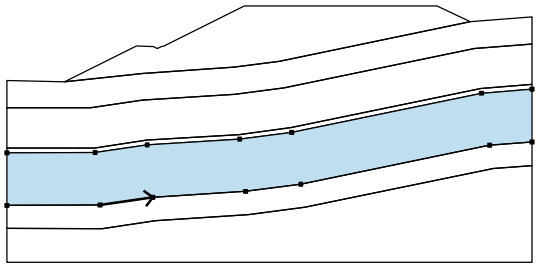
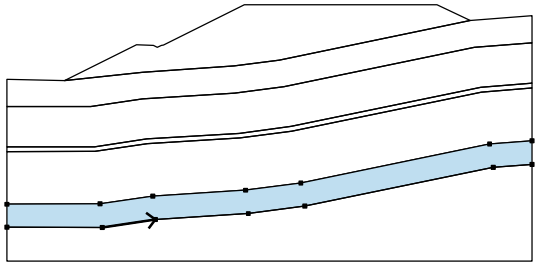
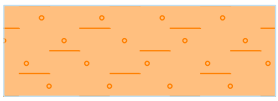
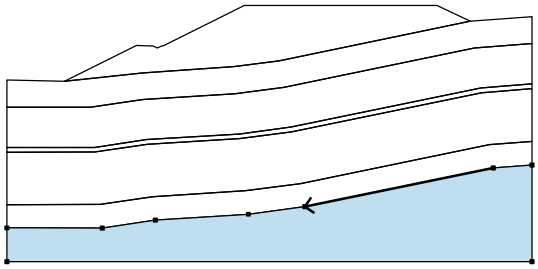
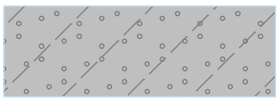
Introducere date (Etapa de constructie 2)

Interfaţa terasamentului

Nr.	Localizarea suprafeţei	Coordonatele punctelor interfeţei [m]					
		x	z	x	z	x	z
1		-19.17	10.29	-8.50	15.61	-6.00	15.52
		-5.40	15.22	-4.80	15.52	-4.50	15.53
		7.51	21.53	36.11	21.53	41.06	19.19

Atribuire şi suprafeţe

Nr.	Poziţia suprafeţei	Coordonatele punctelor suprafeţei [m]				Atribuit
		x	z	x	z	pământ
1		-7.59	11.53	6.00	12.45	Umplutura Rambleu
		12.70	13.33	41.06	19.19	
		36.11	21.53	7.51	21.53	
		-4.50	15.53	-4.80	15.52	
		-5.40	15.22	-6.00	15.52	
		-8.50	15.61	-19.17	10.29	
2		-15.28	6.44	-7.61	7.58	Argila grasa plastic vartoasa
		6.07	8.42	13.39	9.38	
		41.68	15.22	50.23	15.89	
		50.23	19.90	41.06	19.19	
		12.70	13.33	6.00	12.45	
		-7.59	11.53	-19.17	10.29	
		-27.74	10.45	-27.74	6.44	
3		-27.70	0.44	-14.71	0.46	Argila grasa plastic vartoasa
		-6.98	1.61	6.75	2.46	
		14.43	3.47	42.61	9.28	
		50.23	9.89	50.23	15.89	
		41.68	15.22	13.39	9.38	
		6.07	8.42	-7.61	7.58	
		-15.28	6.44	-27.74	6.44	
		-27.74	0.44			

Nr.	Poziţia suprafeţei	Coordonatele punctelor suprafeţei [m]				Atribuit pământ
		x	z	x	z	
4		-14.65	-0.24	-6.90	0.91	Argila prafoasa(3)
		6.83	1.76	14.55	2.78	
		42.72	8.59	50.23	9.17	
		50.23	9.89	42.61	9.28	
		14.43	3.47	6.75	2.46	
		-6.98	1.61	-14.71	0.46	
		-27.70	0.44	-27.74	0.44	
		-27.74	-0.26			
5		-13.92	-8.02	-6.08	-6.86	Argila prafoasa
		7.71	-5.99	15.90	-4.91	
		43.93	0.86	50.23	1.35	
		50.23	9.17	42.72	8.59	
		14.55	2.78	6.83	1.76	
		-6.90	0.91	-14.65	-0.24	
		-27.74	-0.26	-27.74	-8.08	
6		-13.59	-11.51	-5.71	-10.34	Argila nisipoasa
		8.11	-9.46	16.50	-8.36	
		44.47	-2.61	50.23	-2.16	
		50.23	1.35	43.93	0.86	
		15.90	-4.91	7.71	-5.99	
		-6.08	-6.86	-13.92	-8.02	
		-27.74	-8.08	-27.74	-11.50	
7		44.47	-2.61	16.50	-8.36	Nisip prafos
		8.11	-9.46	-5.71	-10.34	
		-13.59	-11.51	-27.74	-11.50	
		-27.74	-16.51	50.23	-16.51	
		50.23	-2.16			

Apa

Tipul apei : Fără apă

Rezultate (Etapa de constructie 2)

Rezultate

Analiza efectuată, metoda Analiza folosind modulul edometric
Tasarea maximă = 186.7 mm
Adâncimea maximă a zonei de influenţă = 40.40 m

Nume : Analiza	Etapa : 2

Rezultate : general; variabil : Tasare; interval : <0.0; 186.7> mm

