Analiza tasării

Introducere date (Etapa de constructie 1)

Proiect

Tema : Autostrada Tg. Mures - Tg. Neamt
Partea : km 93+220
Descriere : Ramleu H=8m

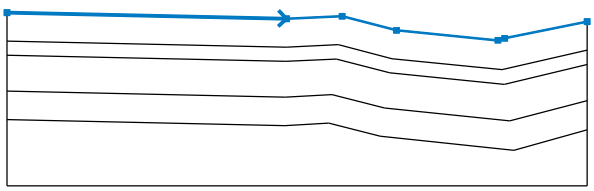
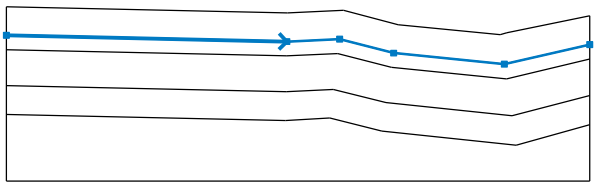
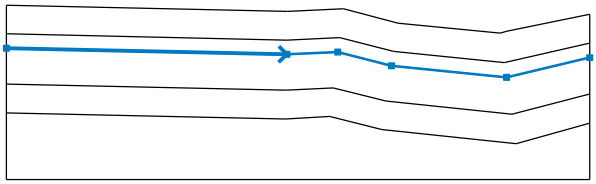
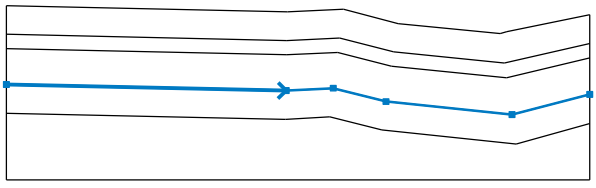
Setari

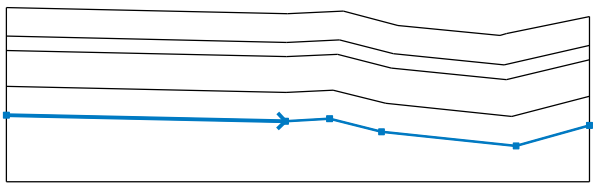
Romania - EN 1997 - constructii (SR EN 1990:2004/NA:2006)

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		5.68	19.33	44.96	18.47	52.78	18.81
		60.42	16.83	74.69	15.43	75.64	15.71
		87.22	18.07				
2		5.68	15.33	44.90	14.47	52.26	14.81
		59.81	12.87	75.29	11.31	87.22	14.05
3		5.68	13.33	44.87	12.47	52.00	12.81
		59.51	10.89	75.59	9.26	87.22	12.02
4		5.68	8.32	44.79	7.47	51.36	7.81
		58.75	5.94	76.34	4.11	87.22	6.94

Nr.	Localizarea suprafeţei	Coordonatele punctelor interfeţei [m]					
		x	z	x	z	x	z
5		5.68	4.32	44.72	3.47	50.88	3.80
		58.14	1.98	76.95	0.00	87.22	2.86

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
Greut. volum. : γ = 18.00 kN/m^3
Modulul edometric : E_{oed} = 6.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 19.00 kN/m^3

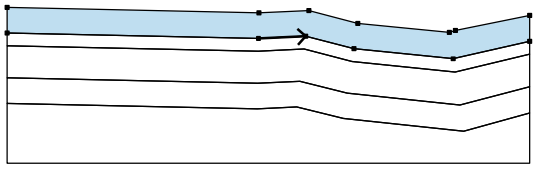
Argila vartoasa
Greut. volum. : γ = 19.00 kN/m^3
Modulul edometric : E_{oed} = 10.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 20.00 kN/m^3

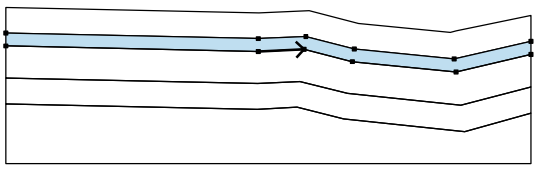
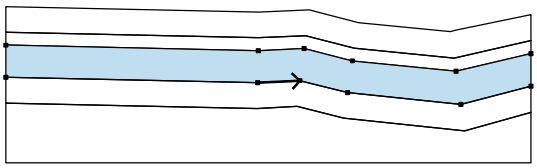
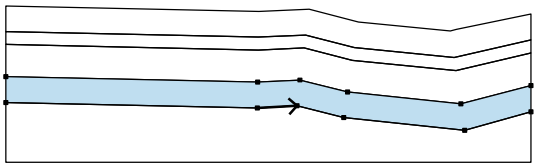
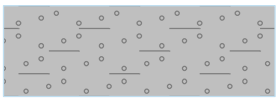
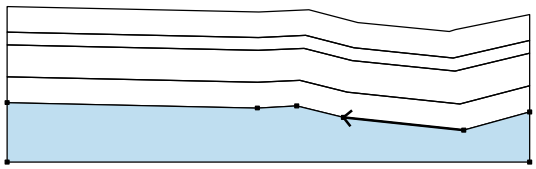
Pietris cu argila
Greut. volum. : γ = 21.00 kN/m^3
Modulul edometric : E_{oed} = 45.00 MPa
Gr. volumică în st. saturată : γ_{sat} = 22.00 kN/m^3

Nisip argilos
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 tare
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		44.90	14.47	52.26	14.81	Argila
		59.81	12.87	75.29	11.31	
		87.22	14.05	87.22	18.07	
		75.64	15.71	74.69	15.43	
		60.42	16.83	52.78	18.81	
		44.96	18.47	5.68	19.33	
		5.68	15.33			

Nr.	Poziţia suprafeţei	Coordonatele punctelor suprafeţei [m]				Atribuit pământ
		x	z	x	z	
2		44.87	12.47	52.00	12.81	Argila vartoasa
		59.51	10.89	75.59	9.26	
		87.22	12.02	87.22	14.05	
		75.29	11.31	59.81	12.87	
		52.26	14.81	44.90	14.47	
		5.68	15.33	5.68	13.33	
3		44.79	7.47	51.36	7.81	Pietris cu argila
		58.75	5.94	76.34	4.11	
		87.22	6.94	87.22	12.02	
		75.59	9.26	59.51	10.89	
		52.00	12.81	44.87	12.47	
		5.68	13.33	5.68	8.32	
4		44.72	3.47	50.88	3.80	Nisip argilos
		58.14	1.98	76.95	0.00	
		87.22	2.86	87.22	6.94	
		76.34	4.11	58.75	5.94	
		51.36	7.81	44.79	7.47	
		5.68	8.32	5.68	4.32	
5		76.95	0.00	58.14	1.98	Argila tare
		50.88	3.80	44.72	3.47	
		5.68	4.32	5.68	-5.00	
		87.22	-5.00	87.22	2.86	

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

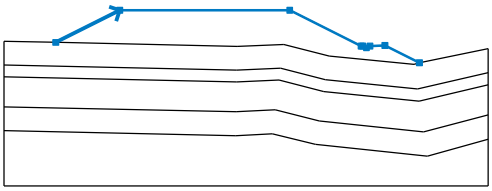
Rezultate (Etapa de constructie 1)

Rezultate

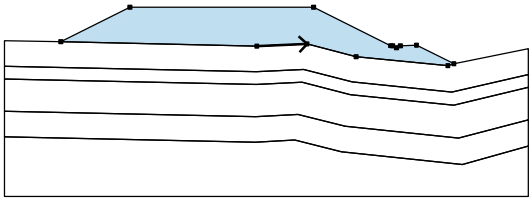
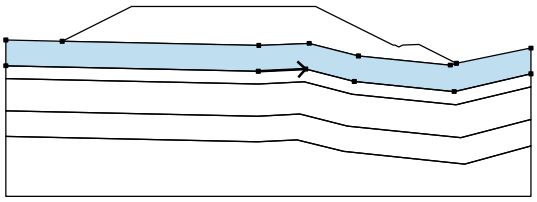
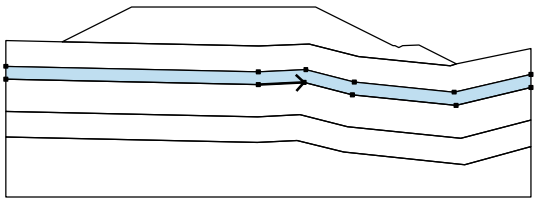
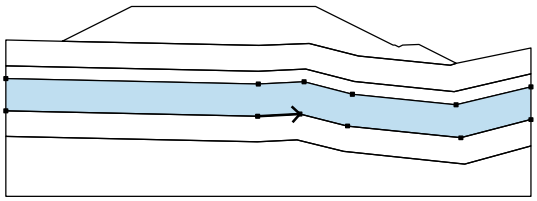
Analiza tensiunilor geologicea fost completata cu succes

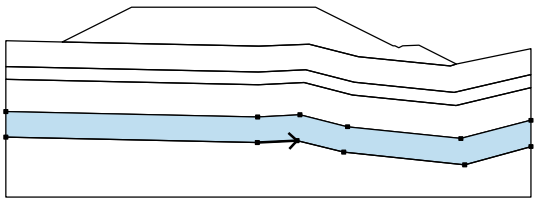
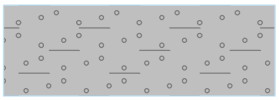
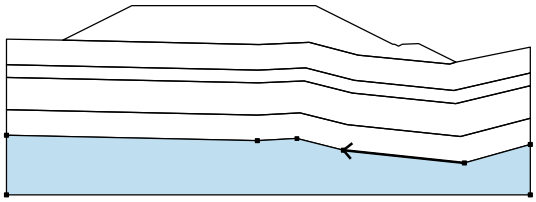
Introducere date (Etapa de constructie 2)

Interfaţa terasamentului

Nr.	Localizarea suprafeţei	Coordonatele punctelor interfeţei [m]					
		x	z	x	z	x	z
1		14.43	19.14	25.20	24.54	53.80	24.54
		65.81	18.53	66.11	18.52	66.71	18.22
		67.31	18.52	69.81	18.62	75.64	15.71

Atribuire şi suprafeţe

Nr.	Poziţia suprafeţei	Coordonatele punctelor suprafeţei [m]				Atribuit pământ
		x	z	x	z	
1		44.96	18.47	52.78	18.81	Umplutura Rambleu
		60.42	16.83	74.69	15.43	
		75.64	15.71	69.81	18.62	
		67.31	18.52	66.71	18.22	
		66.11	18.52	65.81	18.53	
		53.80	24.54	25.20	24.54	
		14.43	19.14			
2		44.90	14.47	52.26	14.81	Argila
		59.81	12.87	75.29	11.31	
		87.22	14.05	87.22	18.07	
		75.64	15.71	74.69	15.43	
		60.42	16.83	52.78	18.81	
		44.96	18.47	14.43	19.14	
		5.68	19.33	5.68	15.33	
3		44.87	12.47	52.00	12.81	Argila vartoasa
		59.51	10.89	75.59	9.26	
		87.22	12.02	87.22	14.05	
		75.29	11.31	59.81	12.87	
		52.26	14.81	44.90	14.47	
		5.68	15.33	5.68	13.33	
4		44.79	7.47	51.36	7.81	Pietris cu argila
		58.75	5.94	76.34	4.11	
		87.22	6.94	87.22	12.02	
		75.59	9.26	59.51	10.89	
		52.00	12.81	44.87	12.47	
		5.68	13.33	5.68	8.32	

Nr.	Poziţia suprafeţei	Coordonatele punctelor suprafeţei [m]				Atribuit pământ
		x	z	x	z	
5		44.72	3.47	50.88	3.80	Nisip argilos
		58.14	1.98	76.95	0.00	
		87.22	2.86	87.22	6.94	
		76.34	4.11	58.75	5.94	
		51.36	7.81	44.79	7.47	
		5.68	8.32	5.68	4.32	
6		76.95	0.00	58.14	1.98	Argila tare
		50.88	3.80	44.72	3.47	
		5.68	4.32	5.68	-5.00	
		87.22	-5.00	87.22	2.86	

Apa

Tipul apei : Fără apă

Rezultate (Etapa de constructie 2)

Rezultate

Analiza efectuată, metoda Analiza folosind modulul edometric
Tasarea maximă = 182.0 mm
Adâncimea maximă a zonei de influenţă = 36.40 m

Nume : Analiza	Etapa : 2

Rezultate : general; variabil : Tasare; interval : <0.0; 182.0> mm

