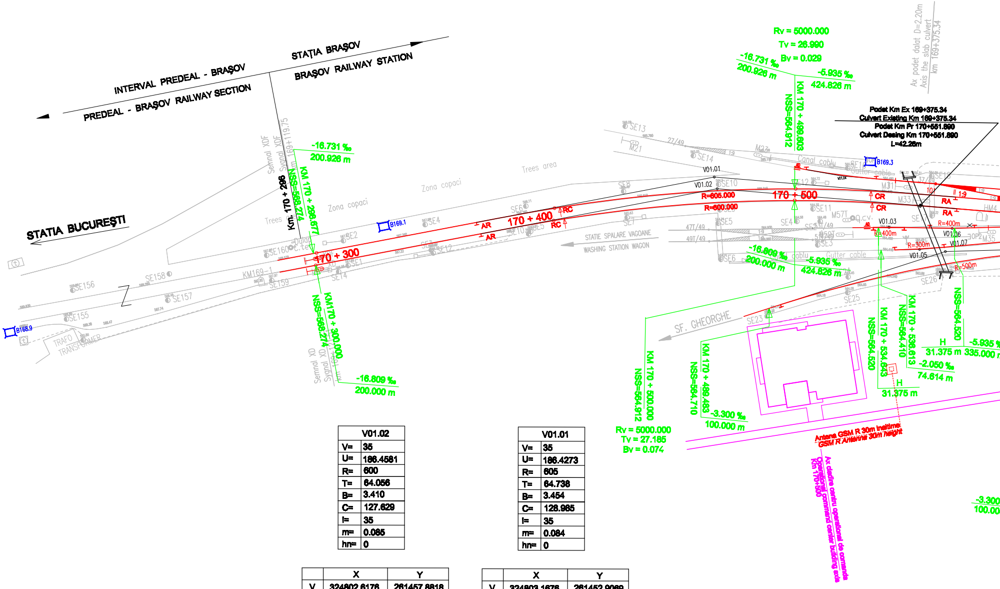
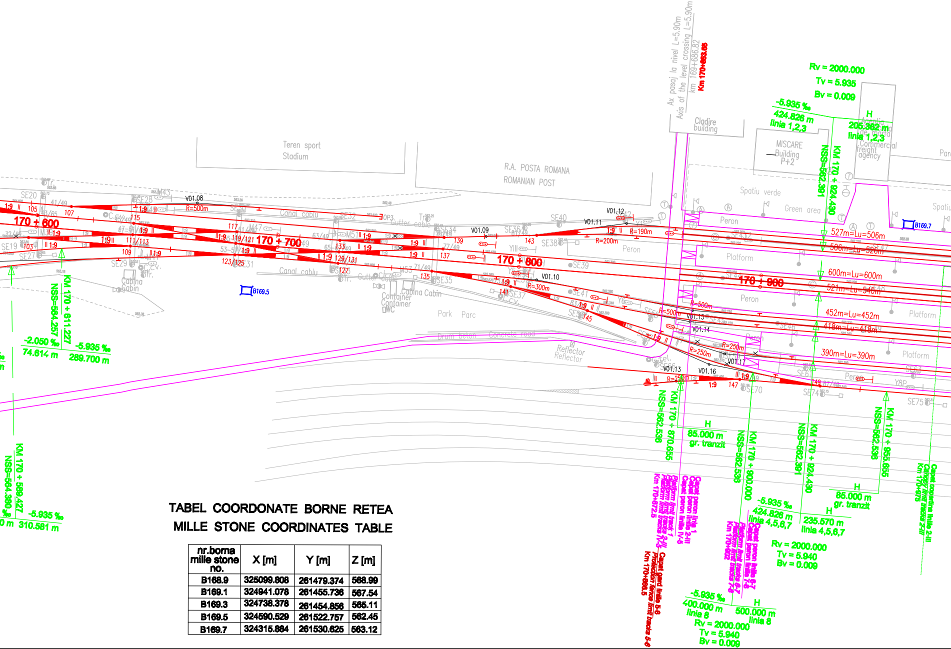

INTERVAL PREDEAL - BRAȘOV
PREDEAL - BRAȘOV RAILWAY SECTION
STAȚIA BRAȘOV
BRAȘOV RAILWAY STATION
STAȚIA BUCUREȘTI
Km. 170 + 296
-16.731 ‰
200.926 m
KM 170 + 296.677
NSS=565.274
170 + 300
KM170 + 300.000
NSS=565.274
-16.809 ‰
200.000 m
Zona copaci
Trees area
B169.1
B168.9
TRAFO
TRANSFORMER
SE155
SE156
SE157
SE158
SE159
SE160
KM169-1
SE1
SE2
SE4
SE5
SE6
SE7
SE8
SE10
SE11
SE12
SE13
SE14
SE23
SE25
SE26
M21
M23
M33
M35
M57T
27/49
37/49
47T/49
49T/49
1:9
170 + 400
AR
RC
170 + 500
R=605.000
R=600.000
V01.01
V01.02
V01.03
V01.05
V01.06
V01.07
CR
RA
R=400m
R=300m
R=500m
Canal cablu
Gutter cable
STATIE SPALARE VAGOANE
WASHING STATION WAGON
SF. GHEORGHE
Rv = 5000.000
Tv = 26.990
Bv = 0.029
-16.731 ‰
200.926 m
-5.935 ‰
424.826 m
KM 170 + 499.603
NSS=564.912
-16.809 ‰
200.000 m
-5.935 ‰
424.826 m
Ax podet dalat D=2.20m
Axis the slab culvert
km 169+375.34
Podet Km Ex 169+375.34
Culvert Existing Km 169+375.34
Podet Km Pr 170+551.890
Culvert Desing Km 170+551.890
L=42.26m
B169.3
KM 170 + 500.000
NSS=564.912
Rv = 5000.000
Tv = 27.185
Bv = 0.074
KM 170 + 489.483
NSS=564.710
-3.300 ‰
100.000 m
KM 170 + 534.643
NSS=564.520
H
31.375 m
KM 170 + 538.613
NSS=564.410
-2.050 ‰
74.614 m
NSS=564.520
H
31.375 m
335.000 m
-5.935 ‰
-3.300
100.00
Antena GSM R 30m inaltime
GSM R Antenna 30m height
Ax cladire centru operational de comanda
Operational command center building axis
Km 170+500

V01.02	
V=	35
U=	186.4581
R=	600
T=	64.056
B=	3.410
C=	127.629
l=	35
m=	0.085
hn=	0

V01.01	
V=	35
U=	186.4273
R=	605
T=	64.738
B=	3.454
C=	128.985
l=	35
m=	0.084
hn=	0

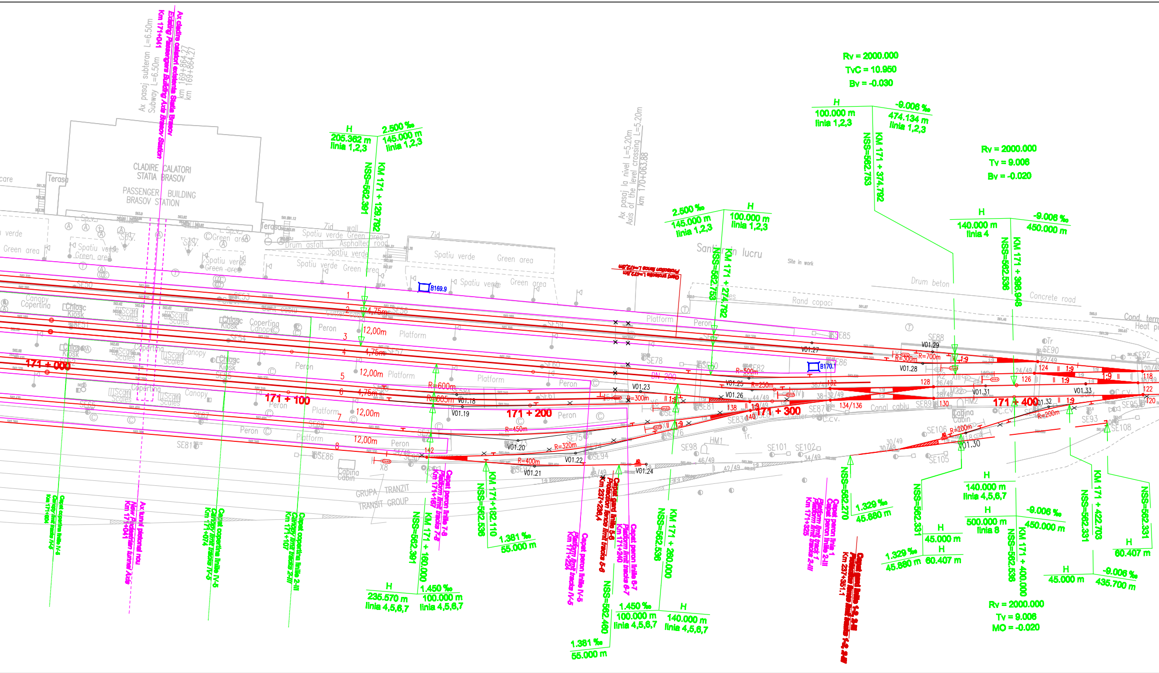
	X	Y
V	324802.6176	261457.8818
Ti	324901.7832	261463.8832
Te	324705.4924	261478.6511

	X	Y
V	324803.1676	261452.9069
Ti	324903.0171	261458.9490
Te	324705.3479	261473.8246


Teren sport
Stadium
R.A. POSTA ROMANA
ROMANIAN POST
Ax pasaj la nivel L=5.90m
Axis of the level crossing L=5.90m
km 169+686.82
Km 170+663.65
Cladire
building
MISCARE
Building
P+2
Agentia de marfa
Commercial freight agency
Spatiu verde
Green area
Rv = 2000.000
Tv = 5.935
Bv = 0.009
-5.935 ‰
424.826 m
linia 1,2,3
H
205.382 m
linia 1,2,3
NSS=562.391
KM 170 + 924.430
B169.7
527m=Lu=506m
506m=Lu=526m
600m=Lu=600m
521m=Lu=540m
452m=Lu=452m
418m=Lu=418m
390m=Lu=390m
Peron
Platform
170 + 600
170 + 700
170 + 800
170 + 900
V01.08
V01.09
V01.10
V01.11
V01.12
V01.13
V01.14
V01.15
V01.16
V01.17
R=500m
R=190m
R=200m
R=300m
R=250m
1:9
Canal cablu
Gutter cable
Cabina
Cabin
Cabina Cabin
Container
WC
Park Parc
Drum beton Concrete road
Reflector
B169.5
NSS=564.257
KM 170 + 611.227
-2.050 ‰
74.614 m
-5.935 ‰
289.700 m
KM 170 + 589.427
NSS=564.360
-5.935 ‰
310.581 m
NSS=562.536
KM 170 + 870.655
H
85.000 m
gr. tranzit
Capat peron linia 1
Capat peron liniile 2-III
Capat peron liniile IV-5
Platform limit track 1
Platform limit tracks 2-III
Platform limit tracks IV-5
Km 170+872.5
Capat gard liniile 5-6
Protection fence limit tracks 5-6
Km 170+886.5
NSS=562.536
KM 170 + 900.000
-5.935 ‰
424.826 m
linia 4,5,6,7
Capat peron liniile 6-7
Capat peron liniile 7-8
Platform limit tracks 6-7
Platform limit tracks 7-8
Km 170+902
NSS=562.391
KM 170 + 924.430
H
235.570 m
linia 4,5,6,7
Rv = 2000.000
Tv = 5.940
Bv = 0.009
NSS=562.536
KM 170 + 955.655
H
85.000 m
gr. tranzit
Capat copertina liniile 2-III
Canopy limit tracks 2-III
Km 170+975
-5.935 ‰
400.000 m
linia 8
H
500.000 m
linia 8
Rv = 2000.000
Tv = 5.940
Bv = 0.009

TABEL COORDONATE BORNE RETEA
MILLE STONE COORDINATES TABLE

nr.borna mille stone no.	X [m]	Y [m]	Z [m]
B168.9	325099.808	261479.374	568.99
B169.1	324941.078	261455.736	567.54
B169.3	324738.378	261454.856	565.11
B169.5	324590.529	261522.757	562.45
B169.7	324315.884	261530.625	563.12

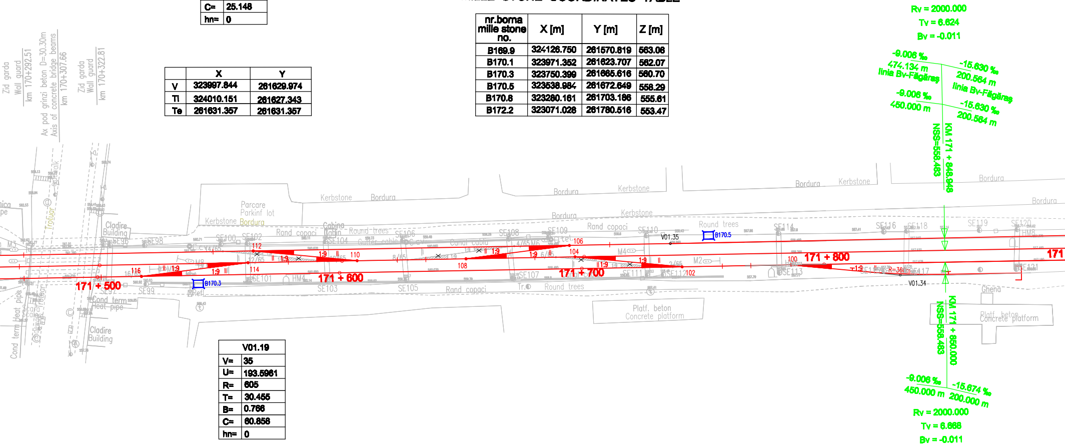

Ax cladire calatori existenta Statia Brasov
Existing Passenger Building Axis Brasov Station
Km 171+041
Ax pasaj subteran L=6.50m
Subway L=6.50m
km 169+864.27
CLADIRE CALATORI STATIA BRASOV
PASSENGER BUILDING BRASOV STATION
Terasa
Zid
Spatiu verde Green area
Drum asfalt Asphalted road
H
205.362 m linia 1,2,3
2.500 ‰
145.000 m linia 1,2,3
NSS=562.391
KM 171 + 129.792
Ax pasaj la nivel L=5.20m
Axis of the level crossing L=5.20m
km 170+063.88
2.500 ‰
145.000 m linia 1,2,3
100.000 m linia 1,2,3
NSS=562.753
KM 171 + 274.792
Santier in lucru
Site in work
Rv = 2000.000
TvC = 10.950
Bv = -0.030
100.000 m linia 1,2,3
-9.006 ‰
474.134 m linia 1,2,3
NSS=562.753
KM 171 + 374.792
Rv = 2000.000
Tv = 9.006
Bv = -0.020
140.000 m linia 4
-9.006 ‰
450.000 m
NSS=562.538
KM 171 + 399.946
Drum beton
Concrete road
Rand copaci
Cond. term
Heat p
B169.9
B170.1
Protectie fonica L=472.2m
Platform
Peron
12,00m
4,75m
Canopy
Copertina
Chiosc Kiosk
Scari Scales
171 + 000
171 + 100
171 + 200
171 + 300
171 + 400
R=600m
R=605m
R=450m
R=320m
R=400m
R=500m
R=250m
R=300m
R=700m
R=200m
DN 200
V01.18
V01.19
V01.20
V01.21
V01.22
V01.23
V01.24
V01.25
V01.26
V01.27
V01.28
V01.29
V01.30
V01.31
V01.32
V01.33
1
2
3
4
5
6
7
8
1:9
Canal cablu
Cabina Cabin
GRUPA TRANZIT
TRANSIT GROUP
Capat copertina linia IV-5 Canopy limit tracks IV-5 Km 171+004
Ax tunel pietonal nou New Pedestrian tunnel Axis Km 171+041
Capat copertina linia IV-5 Canopy limit tracks IV-5 Km 171+074
Capat copertina linia 2-III Canopy limit tracks 2-III Km 171+107
Capat peron linia 7-8 Platform limit tracks 7-8 Km 171+167
NSS=562.391
KM 171 + 160.000
H
235.570 m linia 4,5,6,7
1.450 ‰
100.000 m linia 4,5,6,7
NSS=562.538
KM 171 + 182.110
1.381 ‰
55.000 m
Capat peron linia IV-5 Platform limit tracks IV-5 Km 171+224
Capat gard linia 5-6 Protection fence limit tracks 5-6 Km 237+236.4
Capat peron linia 6-7 Platform limit tracks 6-7 Km 171+240
NSS=562.460
1.381 ‰
55.000 m
NSS=562.538
KM 171 + 260.000
1.450 ‰
100.000 m linia 4,5,6,7
140.000 m linia 4,5,6,7
Capat peron linia 1 Capat peron linia 2-III Platform limit track 1 Platform limit tracks 2-III Km 171+325
NSS=562.270
1.329 ‰
45.880 m
Capat gard linia 1,2,3-III Protection fence limit tracks 1-4, 2-III Km 237+351.1
NSS=562.331
140.000 m linia 4,5,6,7
1.329 ‰
45.880 m
45.000 m
60.407 m
500.000 m linia 8
-9.006 ‰
450.000 m
NSS=562.538
KM 171 + 400.000
Rv = 2000.000
Tv = 9.006
MO = -0.020
NSS=562.331
KM 171 + 422.703
45.000 m
-9.006 ‰
435.700 m
NSS=562.331
60.407 m

V01.26	
V=	35
U=	193.5961
R=	250
T=	12.585
B=	0.317
C=	25.148
hn=	0

	X	Y
V	323997.844	261629.974
Ti	324010.151	261627.343
Te	261631.357	261631.357

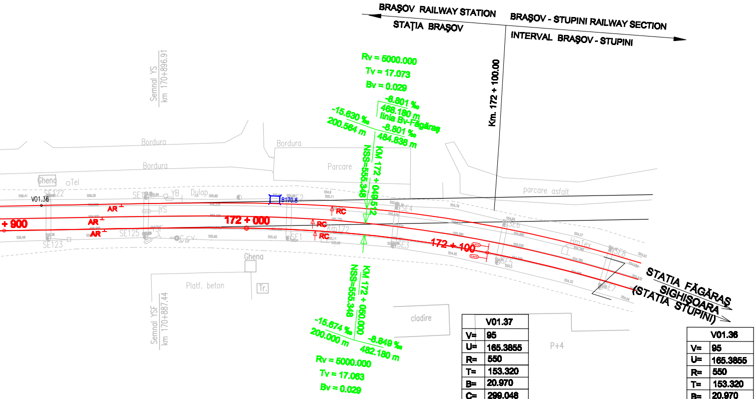
TABEL COORDONATE BORNE RETEA
MILLE STONE COORDINATES TABLE

nr.borna mille stone no.	X [m]	Y [m]	Z [m]
B169.9	324126.750	261570.819	563.08
B170.1	323971.352	261623.707	562.07
B170.3	323750.399	261665.616	560.70
B170.5	323538.984	261672.649	558.29
B170.8	323280.161	261703.186	555.61
B172.2	323071.028	261780.516	553.47


Rv = 2000.000
Tv = 6.624
Bv = -0.011
-9.006 ‰
474.134 m
linia Bv-Făgăraş
-15.630 ‰
200.564 m
linia Bv-Făgăraş
-9.006 ‰
450.000 m
-15.630 ‰
200.564 m
NSS=558.483
KM 171 + 848.948
Zid garda
Wall guard
km 170+292.51
Ax pod grinzi beton D=30.30m
Axis of concrete bridge beams
km 170+307.66
Zid garda
Wall guard
km 170+322.81
Trotuar
Sidewalk
Parcare
Parkinf lot
Kerbstone
Bordura
Cladire
Building
Kerbstone
Bordura
Bordura
Kerbstone
Bordura
Kerbstone
Bordura
Kerbstone
Bordura
Bordura
Rand copaci
Round trees
Cabina
Cabin
Canal cablu
Gutter cable
Rand copaci
Round trees
SE96
SE98
SE100
SE102
SE104
SE106
SE108
SE109
SE110
SE114
SE116
SE118
SE119
SE120
HM8
V01.35
B170.5
112
110
106
104
108
116
114
100
102
1:9
171 + 500
171 + 600
171 + 700
171 + 800
171
B170.3
SE99
SE101
HM4
SE103
SE105
SE107
SE111
SE112
SE113
SE117
SE121
M2
M4
M9
R=360m
V01.34
Ghena
Platf. beton
Concrete platform
Platf. beton
Concrete platform
Rand copaci
Round trees
Cond. term
Heat pipe
Cladire
Building
Scara
Scale
NSS=558.483
KM 171 + 850.000
-9.006 ‰
450.000 m
-15.674 ‰
200.000 m
Rv = 2000.000
Tv = 6.668
Bv = -0.011

V01.19	
V=	35
U=	193.5961
R=	605
T=	30.455
B=	0.766
C=	60.858
hn=	0

	X	Y
V	324117.373	261621.543
Tl	324147.157	261615.174
Te	324087.104	261624.888


BRAȘOV RAILWAY STATION
STAȚIA BRAȘOV
BRAȘOV - STUPINI RAILWAY SECTION
INTERVAL BRAȘOV - STUPINI
Km. 172 + 100.00
Rv = 5000.000
Tv = 17.073
Bv = 0.029
-8.801 ‰
468.180 m
linia Bv-Făgăraș
-8.801 ‰
484.838 m
-15.630 ‰
200.564 m
KM 172 + 049.512
NSS=555.348
Semnal YS
km 170+896.91
Bordura
Bordura
Parcare
parcare asfalt
Ghena
Tel
V01.36
SE122
SE123
SE125
YB
Dulap
YS
B170.8
AR
AR
AR
+ 900
172 + 000
RC
RC
RC
Km172
SE1
SE2
SE3
SE4
SE5
SE6
SE7
SE8
Hm1ex
172 + 100
STAȚIA FĂGĂRAȘ
SIGHIȘOARA
(STAȚIA STUPINI)
Ghena
Platf. beton
Tr.
Semnal YSF
km 170+887.44
cladire
P+4
KM 172 + 050.000
NSS=555.348
-15.674 ‰
200.000 m
-8.849 ‰
482.180 m
Rv = 5000.000
Tv = 17.063
Bv = 0.029

	V01.37
V=	95
U=	165.3855
R=	550
T=	153.320
B=	20.970
C=	299.048
l=	87
m=	0.571
hn=	125

	V01.36
V=	95
U=	165.3855
R=	550
T=	153.320
B=	20.970
C=	299.048
l=	87
m=	0.571
hn=	125

	X	Y
V	323106.245	261728.384
Ti	323351.781	261701.227
Te	322936.483	261907.821

	X	Y
V	323107.493	261733.155
Ti	323351.445	261706.194
Te	322938.827	261911.455

NR.
NO.

TABEL CARACTERISTICI APARATE DE CALE PROIECTATE CAP X

CHARACTERISTICS DESIGNED TURNOUTS TABLE X END

NO NR. CRT.	NO NR. P.G.	DEVIATIE DEVIATION		TIP TYPE	Tg.	R RADIUS (m)	TIPUL ACELOR TYPE OF SWITCH	PROVENIENTA COMING FROM		COORDONATE COORDINATES		OBSERVATII
		STG. LEFT	DR. RIGHT					NOI NEW	REFOLOSITI DISMANTLING	X	Y	
1	101		●	60	1:9	300	flexibil	•		324712.845	261467.363	
2	103		●	60	1:9	300	flexibil	•		324677.010	261489.599	
3	105		●	60	1:9	300	flexibil	•		324672.033	261480.948	
4	107	●		60	1:9	300	flexibil	•		324657.827	261479.129	
5	109	●		60	1:9	300	flexibil	•		324635.761	261498.419	
6	111/113			60	1:9	190	flexibil	•		324634.211	261493.893	Aparat de cale combinat 2 bretele cu 4 TDJ - uri 111/113 - 115 - 117 - 119/121 - - 123/125 - 127 - 129/131
7	115			60	1:9	300	flexibil	•		324633.218	261489.248	
8	117			60	1:9	300	flexibil	•		324591.413	261498.188	
9	119/121			60	1:9	190	flexibil	•		324592.406	261502.833	
10	123/125			60	1:9	190	flexibil	•		324593.399	261507.478	
11	127			60	1:9	300	flexibil	•		324551.594	261516.418	
12	129/131			60	1:9	190	flexibil	•		324550.601	261511.773	
13	133	●		60	1:9	300	flexibil	•		324549.608	261507.128	
14	135		●	60	1:9	300	flexibil	•		324513.617	261524.539	
15	137	●		60	1:9	300	flexibil	•		324507.802	261516.067	
16	139		●	60	1:9	300	flexibil	•		324506.809	261511.422	
17	141		●	60	1:9	300	flexibil	•		324482.087	261535.034	
18	143	●		60	1:9	300	flexibil	•		324468.770	261515.239	
19	145		●	60	1:9	300	flexibil	•		324451.910	261548.946	
20	147	●		60	1:9	300	flexibil	•		324393.167	261585.064	
21	149		●	60	1:9	300	flexibil	•		324360.616	261592.025	

TABEL CARACTERISTICI APARATE DE CALE

CHARACTERISTICS DESIGNED TURNOU

NO NR. CRT.	NO NR. P.G.	DEVIATIE DEVIATION		TIP TYPE	Tg.	R RADIUS (m)	TIPUL ACELOR TYPE OF SWITCH	PROVENIENTA COMING FROM	
		STG. LEFT	DR. RIGHT					NOI NEW	REFOLOSIT DISMANTLIN
1	100		●	60	1:9	300	flexibil	•	
2	102		●	60	1:9	300	flexibil	•	
3	104		●	60	1:9	300	flexibil	•	
4	106	●		60	1:9	300	flexibil	•	
5	108	●		60	1:9	300	flexibil	•	
6	110		●	60	1:9	300	flexibil	•	
7	112		●	60	1:9	300	flexibil	•	
8	114	●		60	1:9	300	flexibil	•	
9	116	●		60	1:9	300	flexibil	•	
10	118		●	60	1:9	300	flexibil	•	
11	120	●		60	1:9	300	flexibil	•	
12	122		●	60	1:9	300	flexibil	•	
13	124	●		60	1:9	300	flexibil	•	
14	126		●	60	1:9	300	flexibil	•	
15	128			60	1:9	300	flexibil	•	
16	130			60	1:9	300	flexibil	•	
17	132			60	1:9	300	flexibil	•	
18	134/136			60	1:9	190	flexibil	•	
19	138		●	60	1:9	300	flexibil	•	
20	140	●		60	1:9	300	flexibil	•	
21	142	●		60	1:9	300	flexibil	•	

TABEL CURBE PROIECTATE - LINII ABATERE CAP X

DESIGNED CURVES - ON DEVIATION LINES TABLE X END

CURBA CURVE	V SPEED (km/h)	ELEMENTE ELEMENTS					h (mm)	COORDONATE COORDINATES					
								V		Ti		Te	
		U	R	T	B	C		X	Y	X	Y	X	Y
V01.03	40	197.9569	400	6.419	0.052	12.837	0	324734.294	261482.638	324740.672	261481.907	324727.943	261483.574
V01.04	40	193.8091	300	14.598	0.355	29.174	0	324751.0935	261459.1850	324765.0379	261454.7503	324736.8916	261462.2189
V01.05A	40	195.6606	300	10.228	0.174	20.449	0	324722.890	261493.319	324733.063	261492.229	324712.671	261493.714
V01.05B	40	196.0923	300	9.210	0.141	18.415	0	324663.841	261495.602	324673.044	261495.246	324654.677	261496.522
V01.06	40	197.0570	400	9.247	0.107	18.491	0	324708.472	261486.442	261485.094	261485.094	324699.271	261487.365
V01.07	40	181.9247	500	71.462	5.081	141.936	0	324712.451	261495.532	324782.708	261508.601	324641.346	261502.667
V01.08	40	193.4910	500	25.583	0.654	51.122	0	324606.028	261484.327	324631.483	261481.773	324580.966	261489.466
V01.09	40	199.5000	FRANTURA				0	324489.546	261513.155	FRANTURA		FRANTURA	
V01.10	40	192.9554	300	16.615	0.460	33.197	0	324471.127	261533.625	324487.375	261530.150	324455.362	261538.872
V01.11	30	193.4554	200	10.289	0.264	20.580	0	324437.870	261518.750	324448.100	261517.643	324427.808	261520.902
V01.12	30	186.4106	190	20.355	1.087	40.557	0	324431.290	261515.300	324451.646	261515.357	324411.607	261519.509
V01.13	35	195.7639	250	8.320	0.138	16.635	0	324419.390	261582.433	324427.706	261582.155	324411.110	261583.264
V01.14	40	192.9554	500	27.692	0.766	55.328	0	324410.513	261558.858	324436.788	261550.112	324383.432	261564.649
V01.15	40	192.9554	500	27.692	0.766	55.328	0	324408.835	261554.359	324435.111	261545.613	324381.755	261560.150
V01.16	35	185.9106	250	27.778	1.538	55.328	0	324404.933	261577.274	324428.721	261562.929	324378.577	261586.047
V01.17	35	185.9106	250	27.778	1.538	55.328	0	324397.978	261573.809	324423.204	261562.180	324370.816	261579.618

TABEL CURBE PROIECTAT

DESIGNED CURVES - ON DI

NR.CURBA NO.CURVE	V SPEED (km/h)	ELEMENTE ELEMENTS					h (mm)
		U	R	T	B	C	
V01.18	40	193.5961	600	30.203	0.760	60.355	0
V01.20	40	186.5515	450	47.708	2.522	95.062	0
V01.21	40	193.5961	400	20.135	0.506	40.237	0
V01.22	40	186.5515	320	33.926	1.793	67.600	0
V01.23	40	192.9554	300	16.615	0.460	33.197	0
V01.24	40	199.8293	FRANTURA				0
V01.25	40	193.5961	500	25.169	0.633	50.296	0
V01.27	40	199.4159	FRANTURA				0
V01.28	40	193.5961	300	15.102	0.380	30.178	0
V01.29	40	198.7752	700	6.734	0.032	13.467	0
V01.30	30	195.9067	200	6.432	0.103	12.859	0
V01.31	40	199.7688	FRANTURA				0
V01.32	30	188.8054	200	17.630	0.776	35.169	0
V01.33	40	199.9988	FRANTURA				0
V01.34	40	192.9554	360	19.938	0.551	39.836	0
V01.35	40	199.8265	FRANTURA				0
V01.36	40	199.8265	FRANTURA				0

PROIECTATE CAP Y
TS TABLE Y END

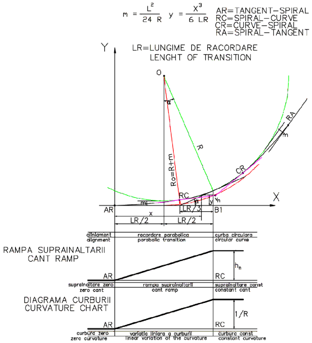
I G	COORDONATE COORDINATES X	Y	OBSERVATII
	323506.726	261689.032	
	323551.453	261684.089	
	323594.748	261674.374	
	323596.463	261669.406	
	323639.476	261669.431	
	323684.204	261664.487	
	323726.174	261655.070	
	323728.922	261659.545	
	323773.294	261659.571	
	323836.891	261642.833	
	323837.951	261652.425	
	323839.330	261647.343	
	323879.294	261633.319	
	323881.300	261637.925	
	323923.343	261638.208	Aparat de cale combinat 1 bretea cu 1 TDJ 128 - 130 - 132 - 134/136
	323923.865	261642.929	
	323965.835	261633.512	
	323966.356	261638.233	
	323999.385	261634.583	
	323999.586	261638.253	
	324134.589	261640.359	

TE - LINII ABATERE CAP Y
EVIATION LINES TABLE Y END

COORDONATE COORDINATES					
V		Ti		Te	
X	Y	X	Y	X	Y
324119.050	261616.327	324148.585	261610.011	324089.029	261619.645
324096.354	261638.309	324143.008	261628.332	324048.646	261638.281
324090.953	261649.690	324110.643	261645.479	324070.939	261651.902
324073.407	261646.498	324107.163	261643.111	324039.690	261642.732
324043.564	261624.670	324060.079	261622.844	324027.352	261628.308
324045.021	261654.766	FRANTURA		FRANTURA	
323998.546	261624.967	324023.159	261619.704	323973.529	261627.732
323970.824	261613.766	FRANTURA		FRANTURA	
323926.505	261628.101	323941.273	261624.943	323911.495	261629.760
323921.836	261623.773	323928.434	261622.425	323915.265	261625.247
323912.552	261623.773	323918.943	261659.469	323906.220	261657.621
323901.902	261640.578	FRANTURA		FRANTURA	
323877.201	261652.448	323894.557	261655.5422	323859.571	261652.437
323860.819	261644.967	FRANTURA		FRANTURA	
323462.547	261698.945	323482.001	261694.580	323442.728	261701.136
323555.095	261673.978	FRANTURA		FRANTURA	
323376.053	261693.272	FRANTURA		FRANTURA	

TABEL CU LINIILE C. F. PROIECTATE
RAILWAY DESIGNED LINES TABLE

NO NR. CRT.	DENUMIREA LINIEI C.F. DENOMINATION OF THE RAILWAY LINE	DE LA FROM	PRIN BY	PANĂ LA TO	LUNGIMEA CONSTRUCTIVA LENGHT CONSTRUCTIVE (m)	LUNGIMEA REALA LENGHT REALE (m)	LUNGIMEA UTILA LENGHT USABLE (m)	TIPUL SINEI TYPE OF RAIL
1	Linia 1 / Line 1	PJ143	-----	PJ 124	635.056	568.593	527/506	UIC60
2	Linia 2 / Line 2	PJ133	139, 143, 124	PJ 118	742.803	576.653	506/526	UIC60
3	Linia 3 / Line 3	PJ105	115, 117, 133, 137, 126, 118, 112	PJ 106	1127.120	828.050	600/600	UIC60
4	Linia 4 / Line 4	PJ111/113	119/121, 129/131, 128/132, 122, 114, 110, 108	PJ 104	1089.490	757.190	521/540	UIC60
5	Linia 5 / Line 5	PJ103	109, 123/125, 127, 135, 138, 134/136, 130, 120, 116, 102	PJ 100	1222.640	823.880	452/452	UIC60
6	Linia 6 / Line 6	PJ141	-------	PJ 138	526.976	460.516	418/418	UIC60
7	Linia 7 / Line 7	PJ145	140, 134/136	PJ 130	573.008	430.558	390/390	UIC60
8	Linia 8 / Line 8	PJ145	142, 149	PJ 140	501.401	368.481	196/193	UIC60
9	Linie asteptare locomotive Waiting line locomotives	PJ100	------	Opritor	111.867	78.637	60.000	UIC60


m = L²/24 R
y = X³/6 LR
AR=TANGENT-SPIRAL
RC=SPIRAL-CURVE
CR=CURVE-SPIRAL
RA=SPIRAL-TANGENT
Y
LR=LUNGIME DE RACORDARE
LENGHT OF TRANSITION
O
α
R
Ro=R+m
RA
m
CR
RC
m
α
y
yn
X
AR
LR/3
B1
x
LR/2
LR/2
aliniament
alignment
racordare parabolica
parabolic transition
curba circulara
circular curve
RAMPA SUPRAINALTARII
CANT RAMP
hn
AR
RC
supraînaltare zero
zero cant
rampa supraînaltarii
cant ramp
supraînaltare const
constant cant
DIAGRAMA CURBURII
CURVATURE CHART
1/R
AR
RC
curbura zero
zero curvature
variatia liniara a curburii
linear variation of the curvature
curbura const
constant curvature

OBSERVATII
REMARKS

LEGENDA
LEGEND

───	Ax linie c.f. existent Axis of existing railway line
─×──×──×	Ax linie c.f. demontat Demounted axis line of railway line
───○▨	Aparate de cale existente Existing turnouts
×─×─×─○▨	Aparate de cale demontate Demounted turnouts
⌑ Name Level	Borne de retea Benchmarks
───	Ax linie c.f. proiectat Axis of designed railway line
┼──◢	Aparate de cale proiectate Designed turnouts
‖	Marca proiectata Designed marck
├─○	Semnal proiectat Designed signal
═══	Peron proiectat Designed platform
┄┼┄┼┄	Copertina proiectata Designed canopy
═══	Sant monolit de beton Prefabricate concrete ditch
═□═══□═	Dren longitudinal Longitudinal drain
─┴─┴─	Ampriza sapatura/umplutura Excavation/fillings at the work place of natural soil
───	Lucrari de consolidare Consolidatio works
───	Lucrari de drumuri proiectate Designed road works
AD	Aparat de dilatatie–joante de compensare Expancion device–compensating joint

D					
C					
B					
A					
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

CFR

C.N.C.F. "C.F.R." - S.A.

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Verificator Checking Expert	S. MENICHINI		

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Sub contractant Subcontractor Responsible	A.Stanciu - Dinulescu		
Întocmit Elaborated	Proiectant Designer	F. Mihai	12.2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h,
Tronsonul : Braşov - Sighişoara
Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Braşov - Sighişoara

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title :

Plan de situaţie - Staţia Braşov
Braşov station - Track Layout on designed plan

Codificare / Codification System	Scara / Scale 1:1000	LOT / LOT	Nr. / No
E A 5 1 · 0 1 · C · 0 1 · L 7 · S L · 0 0 · 1		0	0 0 4 · 1