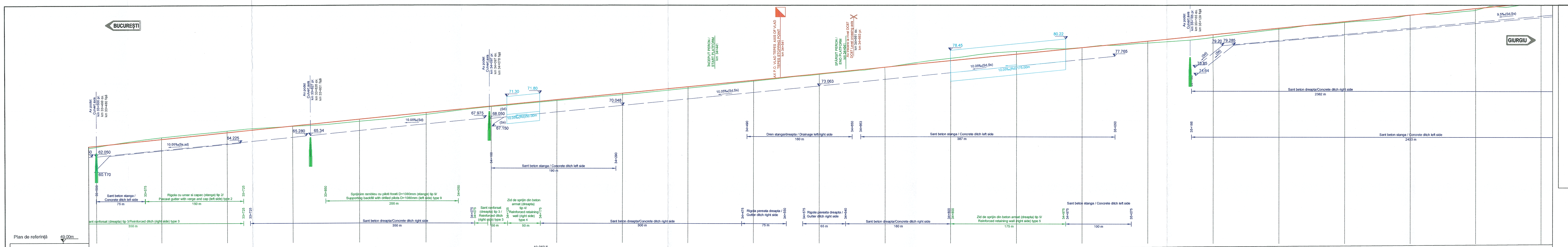
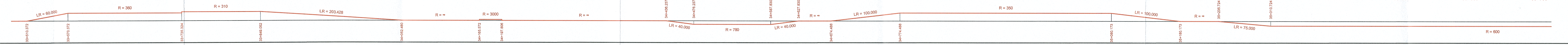

BUCUREȘTI
GIURGIU
Ax podet
Culvert axis
km 33+500 pr.
km 33+499 ex.
km 33+480 fișă
62.050
60.170
10.05‰(Ss,sd)
64.225
Ax podet
Culvert axis
km 33+827 pr.
km 33+826 ex.
km 33+801 fișă
65.280
65.34
10.05‰(Sd)
Ax podet
Culvert axis
km 34+097 pr.
km 34+097 ex.
km 34+078 fișă
67.975
68.050
(Sd)
(Ss)
67.150
71.30
71.80
10.05‰(Rd)/50.00m
70.048
ÎNCEPUT PERON / START PLATFORM km 34+441
AX P.O. VLAD TEPES AXIS OF VLAD TEPES STOPPING POINT km 34+541
SFÂRȘIT PERON / END PLATFORM km 34+641
Ax trecere la nivel DC87
DC87 Level crossing axis
km 34+661 ex.
km 34+663 pr.
10.05‰(Sd,Ss)
73.063
78.45
80.22
10.05‰(Rd) 175.00m
77.765
Ax podet
Culvert axis
km 35+165 pr.
km 35+165 ex.
km 35+129 fișă
79.20
79.285
75.85
74.64
9.5‰(Sd,Ss)
33+500
33+575
Sant beton stanga / Concrete ditch left side
75 m
Rigola cu umar si capac (stanga) tip 2/ Precast gutter with verge and cap (left side) type 2
150 m
33+725
Sant ranforsat (dreapta) tip 3/Reinforced ditch (right side) type 3
350 m
33+725
33+850
Sprijinire rambleu cu piloti forati D=1080mm (stanga) tip 9/ Supporting backfill with drilled pilots D=1080mm (left side) type 9
200 m
34+050
Sant beton dreapta/Concrete ditch right side
350 m
34+075
Sant ranforsat (dreapta) tip 3 / Reinforced ditch (right side) type 3
50 m
34+125
Zid de sprijin din beton armat (dreapta) tip 4/ Reinforced retaining wall (right side) type 4
50 m
34+175
34+100
Sant beton stanga / Concrete ditch left side
190 m
34+290
Sant beton dreapta/Concrete ditch right side
300 m
34+490
Dren stanga/dreapta / Drainage left/right side
160 m
34+650
34+475
Rigola pereata dreapta / Gutter ditch right side
75 m
34+550
34+575
Rigola pereata dreapta / Gutter ditch right side
65 m
34+640
Sant beton dreapta/Concrete ditch right side
160 m
34+663
Sant beton stanga / Concrete ditch left side
387 m
35+050
34+800
Zid de sprijin din beton armat (dreapta) tip 5/ Reinforced retaining wall (right side) type 5
175 m
34+975
Sant beton stanga / Concrete ditch left side
100 m
35+075
35+166
Sant beton dreapta/Concrete ditch right side
2382 m
Sant beton stanga / Concrete ditch left side
2433 m

Plan de referință 49.00m

	33+500	33+600	33+700	33+800	33+900	34+000	34+100	34+200	34+300	34+400	34+500	34+600	34+700	34+800	34+900	35+000	35+100	35+200	35+300	35+400	35+500	35+600	35+700
Declivitati ‰ / Lungimi (m)	10.059 ‰ 3390.000m																						
Nivel superior sina - linia proiectata (in curbe pe firul interior)	63.790	64.796	65.802	66.808	67.814	68.820	69.825	70.831	71.837	72.843	73.849	74.855	75.861	76.867	77.873	78.879	79.884	80.890	81.896	82.902	83.908	84.914	85.920
Nivel superior sina existenta (Nivel teren existent)	63.636	65.067	66.055	66.761	67.499	68.543	69.754	70.698	71.612	72.627	73.724	74.770	75.858	77.220	78.284	78.902	79.615	80.481	81.740	82.787	83.897	84.655	86.028
Diferente pe verticala (m) intre NSS proiectat si NSS existent	0.154	-0.271	-0.253	0.047	0.314	0.277	0.072	0.133	0.225	0.216	0.125	0.085	0.003	-0.353	-0.411	-0.024	0.270	0.409	0.157	0.115	0.011	0.259	-0.108
Kilometraj	500.000	600.000	700.000	800.000	900.000	0.000	100.000	200.000	300.000	400.000	500.000	600.000	700.000	800.000	900.000	0.000	100.000	200.000	300.000	400.000	500.000	600.000	700.000

Diagrama curburii S 200/R [cm]


LR = 60.000
R = 360
R = 310
LR = 203.428
R = ∞
R = 3000
R = ∞
LR = 40.000
R = 780
LR = 40.000
R = ∞
LR = 100.000
R = 350
LR = 100.000
R = ∞
LR = 75.000
R = 600
33+510.372
33+570.372
33+735.324
33+849.052
34+052.480
34+165.572
34+197.806
34+436.237
34+476.237
34+587.830
34+627.830
34+674.488
34+774.488
35+080.173
35+180.173
35+235.724
35+310.724

LEGENDA / LEGEND

NSS	nivel superior sina top of rail
AR	aliniament-racordare, punctul de trecere din aliniament in curba progresiva tangent to spiral, transition point from tangent to spiral
RC	racordare-curba, punctul de trecere din curba progresiva in curba circulara spiral to curve, transition point from spiral to circular curve
CR	curba-racordare, punctul de trecere din curba circulara in curba progresiva curve to spiral, transition point from circular curve to spiral
RA	racordare-aliniament, punctul de trecere din curba progresiva in aliniament spiral to tangent, transition point from spiral curve to tangent
Ti	tangenta de intrare point of change from tangent to circular curve
Te	tangenta de iesire point of change from circular curve to tangent
TC	punct de tangenta comuna intre doua curbe circulare common tangent point between two circular curves
R	raza curbei circulare, in m radius of circular curve, in m
LR	lungimea curbei progresive, in m length of spiral, in m
Rv	raza curbei de racordare in plan vertical, in m radius of vertical curve, in m
Bv	bisectoarea curbei de racordare in plan vertical, in m bisector of vertical curve, in m
Tv	tangenta curbei de racordare din plan vertical, in m tangent of vertical curve, in m

- Ax statie / Station axis
- Ax P.O. / Stopping point axis
- Trecere la nivel proiectata / Designed level crossing
- Trecere la nivel existenta / Existing level crossing
- Pod proiectat / Designed bridge
- Podet proiectat / Designed culvert
- Pasaj superior existent / Existing overpass
- Pasarela pietonala / Designed footbridge

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT
UNIUNEA EUROPEANĂ

GUVERNUL ROMÂNIEI
GOVERNMENT OF ROMANIA

Instrumente Structurale 2014-2020

BENEFICIAR BENEFICIARY:	COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE:	BAICONS Impex SRL J40/9877/2001 & acciona Ingeniería INGENIERIA ESPECIALIZADA OBRA CIVIL E INDUSTRIAL SA J40/20534/2004
DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	*MODERNIZAREA INFRASTRUCTURII DE CALE FERATĂ DINTRE STAȚIILE CF BUCUREȘTI NORD - JILAVA - GIURGIU NORD - GIURGIU NORD FRONTIERĂ* *MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BUCHAREST NORTH - JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER*

	NUME/NAME	SEMNATURA/ SIGNATURE
PROIECTANT/ DESIGNER	ing. Mariana POPESCU	
EXPERT CHEIE/ KEY EXPERT	dr.ing. Laurentiu MARCULESCU	
MP/PM	ing. Marin BAICU	

SPECIALITATE/ SPECIALITY	INFRASTRUCTURA SI SUPRASTRUCTURA CF INFRASTRUCTURE AND SUPRASTRUCTURE RAILWAY
DENUMIRE PLAN/ DRAWING TITLE	**PROFIL LONGITUDINAL - km 33+600 - 35+700** **LONGITUDINAL PROFILE - km 33+600 - 35+700** **Scenariul 1a / Scenario 1a** **Linia 103 / Line 103**
DATA/DATE:	06.2023
SCARA/SCALE:	1:2000/1:200
EXEMPLAR NR./ EXEMPLARY NO.	1
COD PLAN/ CODIFICATION SYSTEM:	SF 207 002 15 Ts02 20 04