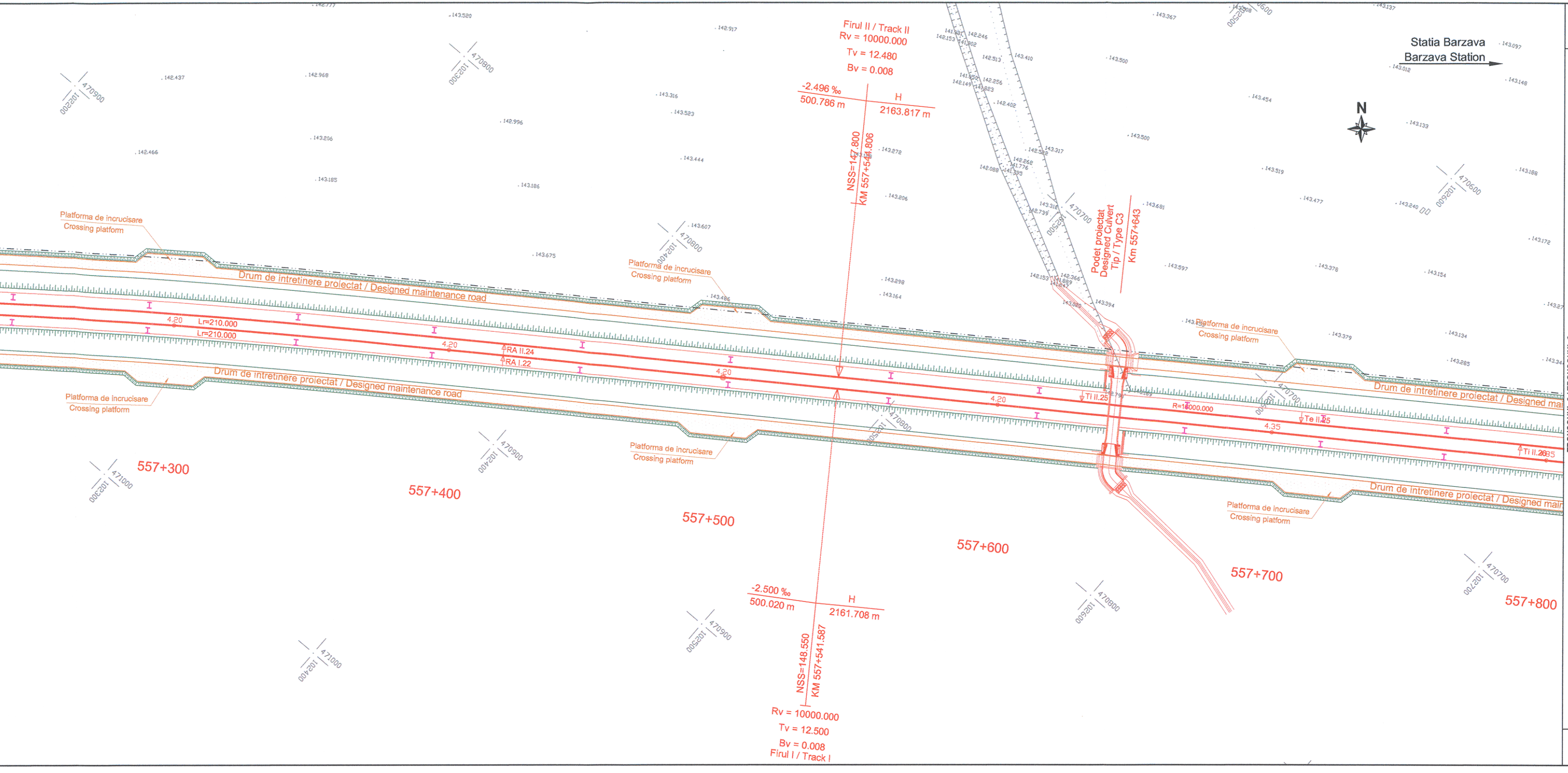
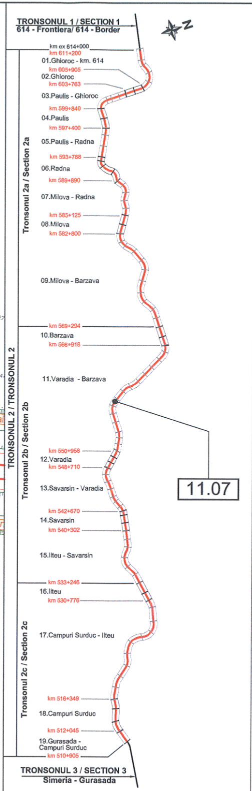

Statia Barzava
Barzava Station
N
Firul II / Track II
Rv = 10000.000
Tv = 12.480
Bv = 0.008
-2.496 ‰
500.786 m
H
2163.817 m
NSS=147.800
KM 557+544.806
Podet proiectat
Designed Culvert
Tip / Type C3
Km 557+643
Platforma de incrucisare
Crossing platform
Drum de intretinere proiectat / Designed maintenance road
L=210.000
RA II.24
RA I.22
R=10000.000
Ti II.25
Te II.25
Ti II.2685
557+300
557+400
557+500
557+600
557+700
557+800
-2.500 ‰
500.020 m
H
2161.708 m
NSS=148.550
KM 557+541.587
Rv = 10000.000
Tv = 12.500
Bv = 0.008
Firul I / Track I


TRONSONUL 1 / SECTION 1
614 - Frontiera/ 614 - Border
km ex 614+000
km 611+200
01.Ghioroc - km. 614
km 605+905
02.Ghioroc
km 603+763
03.Paulis - Ghioroc
km 599+840
04.Paulis
km 597+400
05.Paulis - Radna
km 593+788
06.Radna
km 589+890
07.Milova - Radna
km 585+125
08.Milova
km 582+800
09.Milova - Barzava
km 569+294
10.Barzava
km 566+918
11.Varadia - Barzava
km 550+958
12.Varadia
km 548+710
13.Savarsin - Varadia
km 542+670
14.Savarsin
km 540+302
15.Ilteu - Savarsin
km 533+246
16.Ilteu
km 530+776
17.Campuri Surduc - Ilteu
km 516+349
18.Campuri Surduc
km 512+045
19.Gurasada - Campuri Surduc
km 510+905
TRONSONUL 3 / SECTION 3
Simeria - Gurasada
Tronsonul 2a / Section 2a
Tronsonul 2b / Section 2b
Tronsonul 2c / Section 2c
TRONSONUL 2 / TRONSONUL 2
11.07

## LEGENDA / LEGEND

- Ax c.f. existent / Existing railway axis
- Ax c.f. desfiintat / Dismantled railway axis
- Aparat de cale existent / Existing turnout
- Aparat de cale desfiintat / Dismantled turnout
- Ax c.f. proiectat / Designed railway axis
- Aparat de cale proiectat / Designed turnout
- Aparat de compensare / Expansion device
- Dispozitiv de ridicat vagoane / Lifting device for derailed wagons
- S60 S49 Panou de racordare / Transition panel
- Joanta de compensare / Rail expansion joint
- Contrasine / Check rails
- Marca de siguranta / Fouling point
- 21N Dren longitudinal cu camin de vizitare / Longitudinal drain with inspection manhole
- ● Camin de separare lichide usoare / Light liquids separation manhole
- Teava metalica de protectie / Metal pipe protection
- Sant din beton / Concrete ditch
- ☒ Borne de retea / Benchmarks
- Drum de intretinere proiectat / Designed maintenance road
- Terasament proiectat / Designed embankment
- Protectie taluz cu anrocamente / Riprap slope protection
- I Stalp al liniei de contact / Designed contact line pole
- Zona CFR / CFR Zone
- Limita de siguranta / Safety limit

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

**Acest plan anuleaza si inlocuieste planul nr. PT.02.01.11.TS.101 - 07/15 elaborat la data 01.2013**
**This layout plan canceled and replaced layout plan no. PT.02.01.11.TS.101 - 07/15 prepared on 01.2013**

| Verificator / Expert<br>Checker / Expert | Cerința<br>Requirement | Semnătura<br>Signature | Referat / Expertiza<br>Report / Expertise |
|---|---|---|---|

NR: 1107

Nr. 06628

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

| PROIECTANT / DESIGNER: | | PŐYRY | Data<br>Date | Semnătura<br>Signature |
|---|---|---|---|---|
| Aprobat<br>Approved | Șef de echipă<br>Team leader | C. Teodorescu | 01.2013 | |
| Verificat<br>Checked | Expert Cheie<br>Key Expert | L. Mărculescu | 01.2013 | |
| Subcontractant / Subcontractor | | VIOTOP | | |
| Aprobat<br>Approved | Adjunct Șef de echipă<br>Deputy Team leader | A.M. Baicu | 01.2013 | |
| Proiectat<br>Designed | Inginer<br>Engineer | E. Gonea | 01.2013 | |

**"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulaţia trenurilor cu viteză maximă de 160 km/h"**
**Tronsonul 2-B : cap Y Bârzava - cap Y Ilteu**
**"Rehabilitation of the Railway Line Border - Curtici - Simeria, component Part of the IV Pan - European Corridor for the Trains Circulation with maximum speed of 160 km/h"**
**Section 2-B : end Y Bârzava - end Y Ilteu**

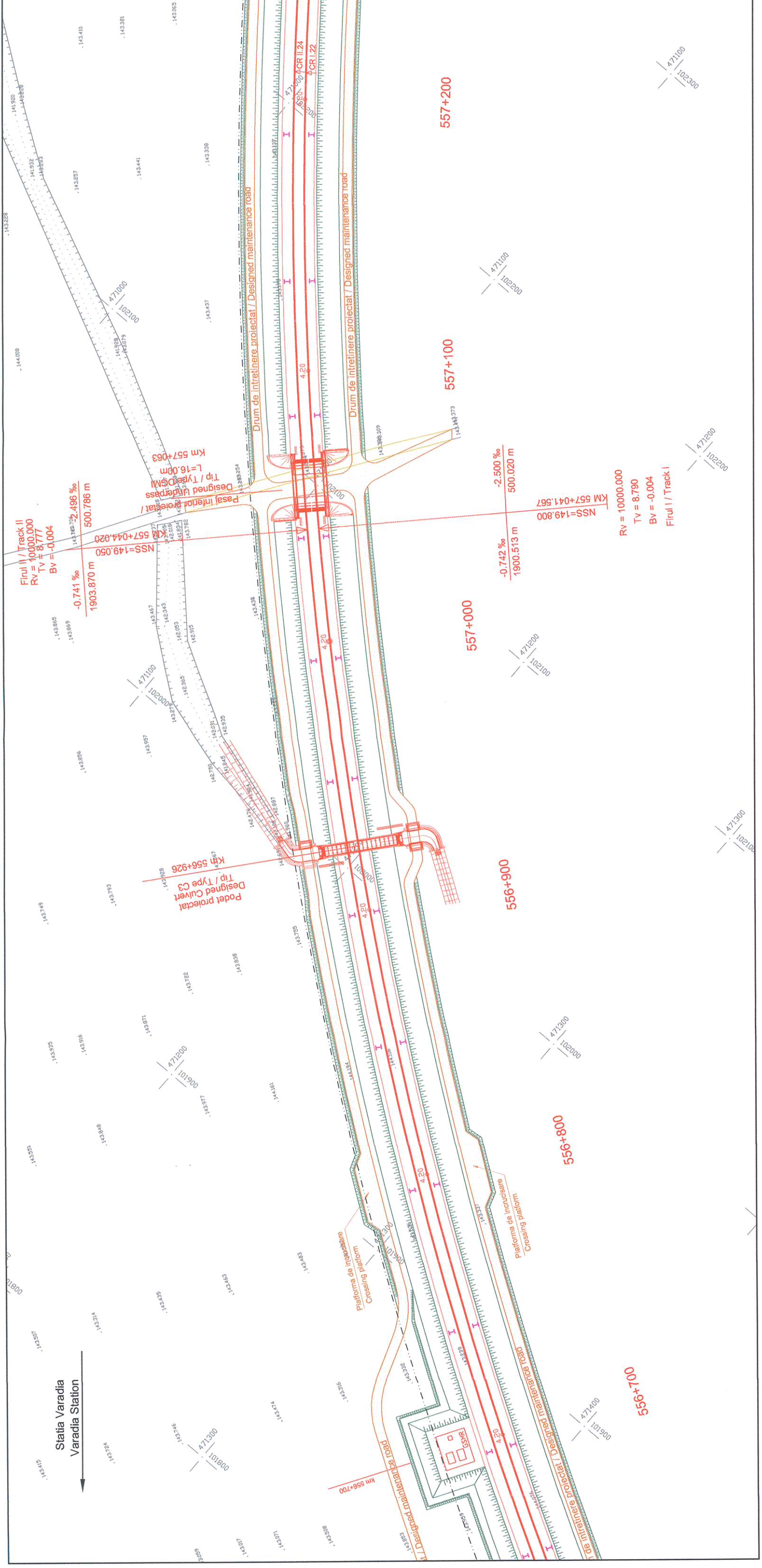
*Project 9i*
*35311.1*

Faza / Phase:
PTh +CS / TD + TS

Denumire desen / Drawing name:

**Plan de siţuatie - Interval Vărădia - Bârzava**
**Vărădia - Bârzava Section - Layout Plan**
**Km 556+700 - Km 557+800**

| Scara / Scale | Revizia / Revision | Cod desen / Drawing Code | Nr / No |
|---|---|---|---|
| 1:1000 | 1/16.05.2013 | PT.02.01.11.SU.101 | 07/ 15 |


557+200
557+100
557+000
556+900
556+800
556+700
CR II.24
CR I.22
Drum de intretinere proiectat / Designed maintenance road
Drum de intretinere proiectat / Designed maintenance road
Pasaj inferior proiectat / Designed underpass
Tip / Type DCM
L=16.00m
Km 557+063
Firul II / Track II
Rv = 10000.000
Tv = 8.777
Bv = -0.004
-2.496 ‰
500.786 m
-0.741 ‰
1903.870 m
KM 557+044.020
NSS=149.050
-2.500 ‰
500.020 m
-0.742 ‰
1900.513 m
KM 557+041.567
NSS=149.800
Rv = 10000.000
Tv = 8.790
Bv = -0.004
Firul I / Track I
Km 556+926
Podet proiectat
Designed Culvert
Tip / Type C3
Platforma de incrucisare
Crossing platform
Platforma de incrucisare
Crossing platform
GSMR
km 556+700
4.20
Statia Varadia
Varadia Station
471000
102100
471100
102000
471200
101900
471300
101800
471100
102300
471100
102200
471200
102200
471200
102100
471300
102100
471300
102000
471400
101900