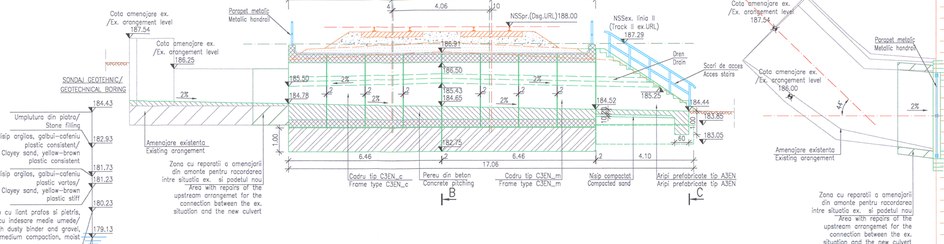
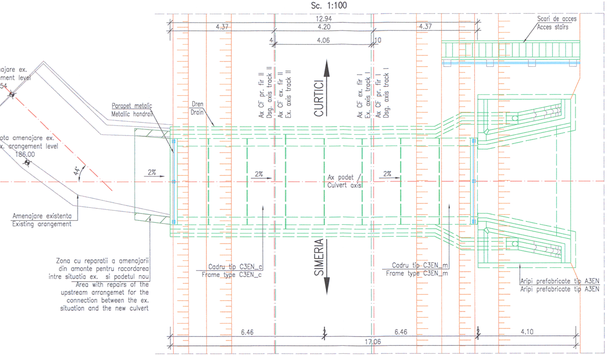
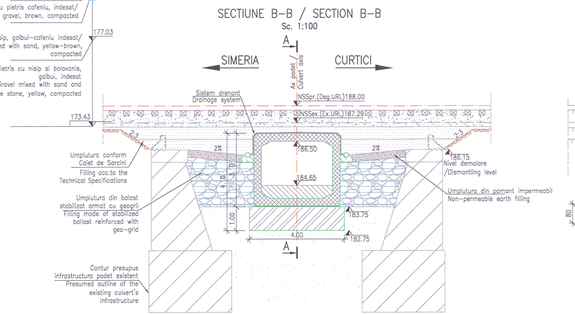
SECTIUNE A–A / SECTION A–A
Sc. 1:100



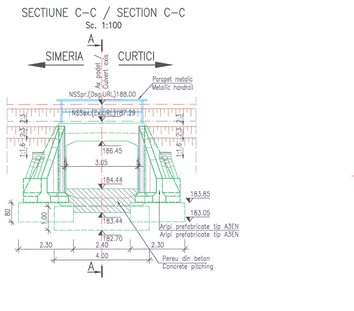
VEDERE PLANA / PLAN VIEW
Sc. 1:100



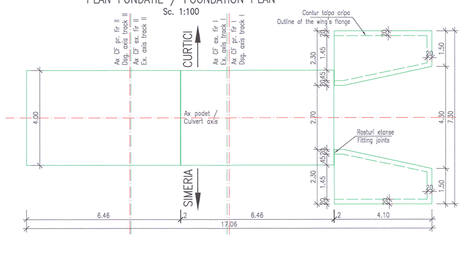
SECTIUNE B–B / SECTION B–B
Sc. 1:100



SECTIUNE C–C / SECTION C–C
Sc. 1:100



PLAN FUNDATIE / FOUNDATION PLAN
Sc. 1:100



NOTA:
1. Prezentul plan a-a intocmit in baza urmatoarelor date:
– ridicarea topografica;
– studiu hidraulic;
– studiu geotehnic;
– date culese pe teren.
2. Pentru constructia podetului se vor executa urmatoarele lucrari:
– Inlocuirea podului existent, in acelasi amplasament, cu un podet nou tip C3EN;
– Racordarea podetului nou cu terasamentul cu aripi prefabricate tip A3EN in avai si racordre la situatia existenta in amonte
– Parapet din tevea metalica pe timpane;
– Protectia albiei in zona podetului cu pereu din beton;
– Impermeabilizarea suprafetelor din beton vizibile
3. La executie se vor respecta cu stricletate prevederile din SREN 206–1, Indicativ NE 012 "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat", NE 013–2002"Codul de practica pentru executia elementelor prefabricate din beton, beton armat si beton precomprimat", din "Instructiunile tehnice privind procedeele de remediere a defectelor pentru elementele de beton si beton armat" indicativ C149–87, din "Normativul pentru verificarea calitatii si receptia lucrarilor de constructii aferente" indicativ C56–85 si o Celelalte de Serie.
4. Conform H.G. 766/1997 lucrarea se incadreaze in categoria "B" a constructiilor de importanta deosebita.
5. Proiectul va fi verificat de verificatori atestati M.LPAT la exigentele A.4, B.2 si D.2.
6. Pentru trasarea lucrarilor se vor folosi ca repere in plan axele liniilor c.f. iar ca repere de nivel cota NSS(Pr.) 188.00m.
7. Orice neconcordanta intre elementele avute in vedere la elaborarea proiectului si teren va fi anuntata proiectantului pentru adaptare la situatia existenta.
8. Lucrarile cuprinse in tehnologia de executie pentru prezentul pod se vor corela cu lucrarile de la podetile km 490+201,5 si km 490+480.
9. Lucrarile la pod vor fi executate obligatoriu inainte de lucrarile la linie.
10. Instalatiile si conductele din zona se vor reamplasa inainte de inceperea lucrarilor la podet. Aceste lucrari fac obiectul unor proiecte separate.

NOTE:
1. This plan has been drawn up on the basis of the following data:
– topo layout;
– the hydraulic study;
– the geotechnical study;
– acquisition of data to area.
2. In order to execute the culvert, the next works will be carried on:
– Replacement of the existing bridge on the same location with a new culvert type C1EN;
– Connection of the new culvert to the embankments with precast wings type A1EN in downstream and collecting chamber in upstream;
– Parapet made of metallic pipe on the tympanis;
– Protection of the riverbed in the area of the culvert by help of concrete pitching;
– Connection of the new culvert with the embankment by help of precast wings type A3EN downstream and connection to the existing situation from upstream;
– Coating all visible concrete surfaces
3. There will be strictly respected the provisions from SREN 206–1, NE012"Practice code for plain concrete, reinforced concrete and prestressed concrete works execution" , NE013–2002 "Practice code for plain concrete, reinforced concrete and prestressed concrete prefabricated elements execution" from C149–87"Technical Instructions regarding the fixing procedures for concrete and reinforced concrete elements" , from Ind. C56–85"Normative for quality checking and works reception for different construction" and Technical Specifications of this project.
4. Complying with H.G. 766/1997 this structure belongs to category "B" of importance.
5. The project will be verified at A.4, B.2 and D.2 requirements.
6. For setting out the works, the axes of the railway lines will be utilised as reference marks in plan and the NSS(Deg.)(top of the rail) of 188.00m.
7. Any incongruity between the elements considered when preparing the design and the site will be announced to the designer for adaptation to the existent situation.
8. The works comprised in the execution sequence for this bridge will be correlated with the works from kilometer positions 490+201,5 and km 490+480.
9. The culvert works will be carried–out obligatorily before the line works.
10. The wiring and the pipes from the area will be relocated before strating the culvert works. These works are the object of different designs.

LEGENDA BETOANELOR/CONCRETE LEGEND
conform NE 012–1:2007/SR EN 206–1

BETON C35/45 – Clasa de expunere XD4+XD1+XF3, agregate D_{max} 22
ELEMENTE PREFABRICATE/PREFABRICATED ELEMENTS

BETON C25/30 – Clasa de expunere XC2+XF1+XA1, agregate D_{max} 22.
FUNDATII DIRECTE /DIRECT FOUNDATIONS

BETON C25/30 – Clasa de expunere XC4+XF1+XM1, agregate D_{max} 16.
SAPA DE PROTECTIE A HIDROIZOLATIE/WATERPROOFING PROTECTION

BETON C25/30 – Clasa de expunere XC4+XF3+XA1, agregate D_{max} 22.
PEREU SI SCARI DE ACCES/PITCHING, ACCES AND STAIRS

BETON C16/20 – Clasa de expunere XD+XF3, agregate D_{max} 16.
DREN, BETON DE PANTA SI DE EGALIZARE
/DRAINAGE, SLOPE AND LEAN CONCRETE

OBSERVATIE: Pe toate suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum fierbzat.
ATENTION: All concrete surfaces in contact with soil will be coated with 2 bituminous layers.

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS										
ACOPERIRE ROSTURI ELEMENTE PREFABRICATE JOINTS COVERING PRECAST ELEMENTS	P	T	0	3	0	2	0	P	O	0 0 1
HIDROIZOLATIE SI SISTEM DE DRENARE PODETE WATERPROFFING AND DRAINAGE SYSTEM CULVERTS	P	T	0	3	0	2	0	P	O	0 0 2
PARAPET METALIC PODETE METALLIC HANDRAIL CULVERTS	P	T	0	3	0	2	0	P	O	0 0 3
PLAN COFRAJ CADRU TIP C3EN_m SHUTTERING PLAN FRAME TYPE C3EN_m	P	T	0	3	0	2	0	P	O	0 1 1
PLAN COFRAJ CADRU TIP C3EN_c SHUTTERING PLAN FRAME TYPE C3EN_c	P	T	0	3	0	2	0	P	O	0 1 2
PLAN COFRAJ ARIPA TIP A3EN SHUTTERING PLAN WING A3EN TYPE	P	T	0	3	0	2	0	P	O	0 1 5
SCARA DE ACCES SI BALUSTRADA METALICA ACCESS STAIRS AND METALLIC BALUSTRADE	P	T	0	3	0	2	0	P	O	0 2 2
FUNDATIE PREFABRICATA PENTRU PODURI PROVIZORII SI DETALII DE REZEMARE PODURI PROVIZORII PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES AND PROPPING-UP DETAILS FOR TEMPORARY BRIDGES	P	T	0	3	0	2	0	P	O	0 2 3

CONVOI DE CALCUL LM71
CALCULATION CONVOY LM71

RĂCANEL I. IONUT RADU ROMANIA MLPAT Nr. 07230 INGINER VERIFICATOR PROIECTE

Prezentul plan anuleaza si inlocuieste versiunea anterioara
This plan cancels and replaces previous version

Verificator / Expert Checker / Expert	Cerinta Requirement	Semnatura Signature	Referat / Expertiza Report / Expertise

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY ;
CFR
COMPANIA NAŢIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER: PÖYRY			Data Date	Semnatura Signature
Aprobat Approved	Sef de echipa Team leader	C. Teodorescu	01.2013	
Verificat Checked	Expert Cheie Key Expert	R. Tudoraşcu	01.2013	

Subcontractant / Subcontractor: VIOTOP				
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	R.Tănăsescu	01.2013	

"Reabilitarea liniei c.f. Frontier à - Curtici - Simeria , parte componentă a Coridorului IV Pan - European pentru circula ţia trenurilor cu viteza maximă de 160 km/h"
Tronsonul 3: Gurasada - Simeria

"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 3: Gurasada - Simeria

Project 9i 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:
DISPOZITIE GENERALA / GENERAL LAYOUT
PODET / CULVERT
KM.PR.(DSG.) 490+240.00 / KM.EX.(EX.) 490+247

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1 / 04.2013	PT.03.02.23.PO.02.03	03

SIMESCU C. CONSTANTIN ROMANIA MLPAT NR: 1107 INGINER VERIFICATOR PROIECTE