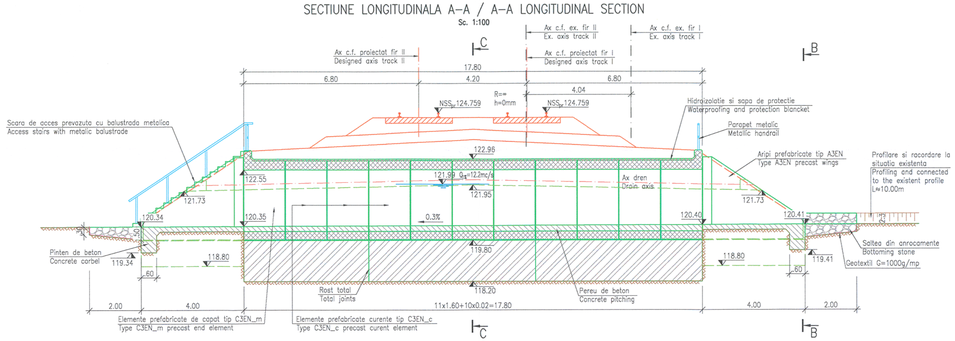
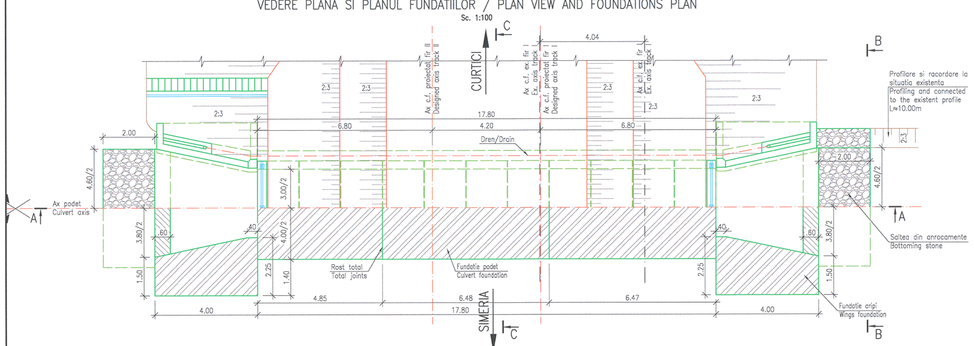
SECTIUNE LONGITUDINALA A–A / A–A LONGITUDINAL SECTION

Sc. 1:100



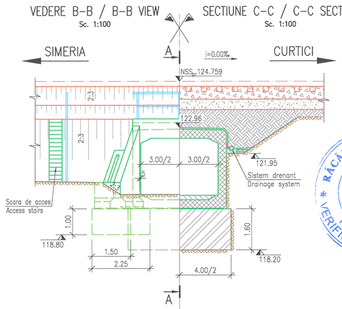
VEDERE PLANA SI PLANUL FUNDATIILOR / PLAN VIEW AND FOUNDATIONS PLAN

Sc. 1:100



VEDERE B–B / B–B VIEW

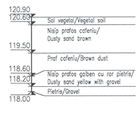
Sc. 1:100



SECTIUNE C–C / C–C SECTION

Sc. 1:100

FISA FORAJULUI F18
SHEET OF DRILING F18
km ex. 605+408



CONVOI DE CALCUL LM71
CALCULATION CONVOY LM71

NOTA:
1. Prezentul plan s–a intocmit in baza urmatoarelor date:
– studiu topografic;
– studiu geotehnic;
– studiu hidraulic;
– expertiza podetului;
– date culese pe teren;
2. Pentru realizarea podetului nou se vor executa urmatoarele lucrari:
– se va executa podet nou tip C3EN;
– racordarea podetului nou cu terasamentele va fi asigurata in amonte si aval cu aripi prefabricate tip A3EN;
– parapet din teava metalica pe timpanele podetului;
– se prevad scari de acces pe terasament, de o parte si alta a podetului;
– se va amenaja albia in interiorul podetului si intre aripi cu pereu;
– saltele de 2.00m lungime, din piatra bruta la capatul amonte si aval al podetului;
– amenajarea albiei pe circa 10m in amonte de podet, pentru asigurarea scurgerii in bune conditii a apelor;
– impermeabilizarea suprafetelor de beton vizuale;
– la turnarea betonului in fundatii, se vor realiza rosturi totale. Rosturile din fundatii se vor suprapune rosturilor intre cadrele prefabricate;
3. La executie se vor respecta cu strictete prevederile din SR EN 206–1, "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat. Producere beton", indicativ NE 012–1:2007, NE 012–2:2010 si NE 013/2002, din "Normativul pentru verificarea calitatii si receptia lucrarilor de constructii aferente" indicativ C56–85 si a Caietului de Sarcini.
4. Conform H.G. 766/1997 lucrarea se incadreaza in categoria "B" a constructiilor de importanta deosebita.
5. Proiectul va fi verificat de verificatori atestati MLPAT la exigentele A.4, B.2 si D.2.

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS										
ACOPERIRE ROSTURI ELEMENTE PREFABRICATE JOINTS COVERING PRECAST ELEMENTS	P	T	0	2	0	2	0	0	P	O 0 0 1
HIDROIZOLATIE SI SISTEM DE DRENARE PODETE WATERPROOFING AND DRAINAGE SYSTEM CULVERTS	P	T	0	2	0	2	0	0	P	O 0 0 2
PARAPET METALIC PODETE METALLIC HANDRAIL CULVERTS	P	T	0	2	0	2	0	0	P	O 0 0 3
PLAN COFRAJ CADRU TIP C3EN_m SHUTTERING PLAN FRAME TYPE C3EN_m	P	T	0	2	0	2	0	0	P	O 0 1 1
PLAN COFRAJ CADRU TIP C3EN_c SHUTTERING PLAN FRAME TYPE C3EN_c	P	T	0	2	0	2	0	0	P	O 0 1 2
PLAN COFRAJ ARIPA TIP A3EN SHUTTERING PLAN WING A3EN TYPE	P	T	0	2	0	2	0	0	P	O 0 1 5
SCARA DE ACCES SI BALUSTRADA METALICA ACCESS STAIRS AND METALIC BALUSTRADE	P	T	0	2	0	2	0	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	2	0	2	0	0	P	O 0 2 3

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

- BETON C35/45 – Clasa de expunere XC4+XD1+XF3, agregate Dmax 22
  ELEMENTE PREFABRICATE/PREFABRICATED ELEMENTS
- BETON C25/30 – Clasa de expunere XC2+XF1+XA1, agregate Dmax 22.
  FUNDATII DIRECTE/DIRECT FOUNDATIONS
- BETON C25/30 – Clasa de expunere XC4+XF1+XM1, agregate Dmax 16.
  SAPA DE PROTECTIE A HIDROIZOLATIEI/WATERPROOFING PROTECTION
- BETON C25/30 – Clasa de expunere XC4+XF3+XA1, agregate Dmax 22.
  PEREU SI SCARI DE ACCES/PITCHING AND ACCESS STAIRS
- BETON C16/20 – Clasa de expunere X0+XF3, agregate Dmax 16.
  DREN/DRAINAGE

NOTE:
1. The present drawing was drafted based on the following data:
– topographic study;
– geotechnical study;
– hydrological study;
– sheet of the culvert;
– data collected on site;
2. In order to execute the new culvert, there will not be carried on the next works:
– there will be carried on a new culvert type C3EN;
– the connection of the new culvert with the embankments will be ensured upstream and downstream with precasted wings type A3EN;
– handrail made of metallic pipes on the both tympan of the culvert;
– there are provided access scales on the embankment, on one side and the other side of the culvert;
– there will be arranged the riverbed inside the culvert and between the wings with pitching;
– the mattresses of 2.00 m length made of rubble stone at the upstream and downstream end of the culvert;
– the arrangement of the riverbed on aprox. 10m downstream from the culvert in order to ensure the water discharge in proper conditions;
– all the visible concrete surfaces will be waterproofed;
– when casting the concrete of foundations, the total joints will be executed. The joints from foundations will overlap on the joints existent between the precast frames;
3. The provisions of the following legislation are to be strictly observed during execution "Code of practice for executing the concrete, reinforced concrete and prestressed concrete works", indicative NE 012–2007, NE 012–2:2010 and NE 013/2002, "Normative for checking the quality and the taking–over of related construction works" indicative C56–85, SR EN 206–1 and Technical Specifications.
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.

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 :

COMPANIA NATIONALA 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. Tudorascu	01.2013	
Subcontractant / Subcontractor VIOTOP				
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	A. Negrei	01.2013	

"Reabilitarea liniei c.f. Frontier â - Curtici - Simeria , parte componentă a coridorului IV Pan - European pentru circula ția trenurilor cu viteză maximă de 160 km/h"
Tronsonul 2-A : km 614 + cap Y Bârzava
"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-A : km 614 - end Y Bârzava

Project 9i 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:

DISPOZITIE GENERALA / GENERAL LAYOUT
PODET / CULVERT KM pr. 602+070 (KM ex. 605+411)

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1 / 04.2013	PT.02.02.03.PO.02.03	03