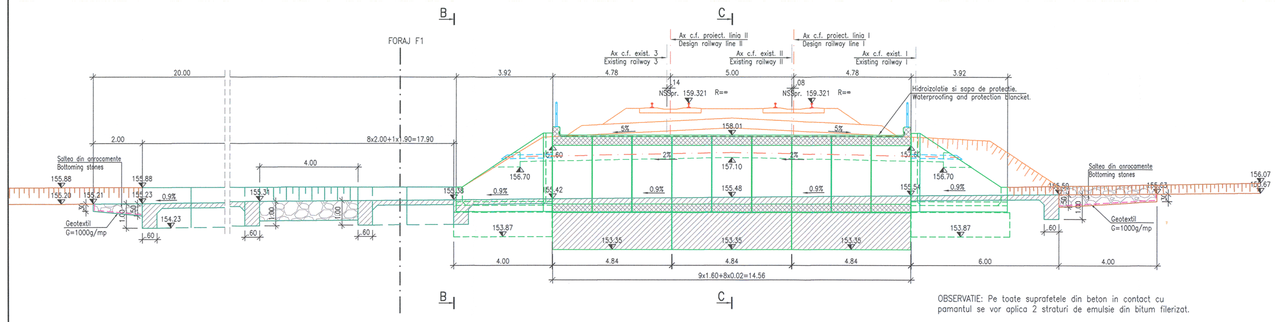
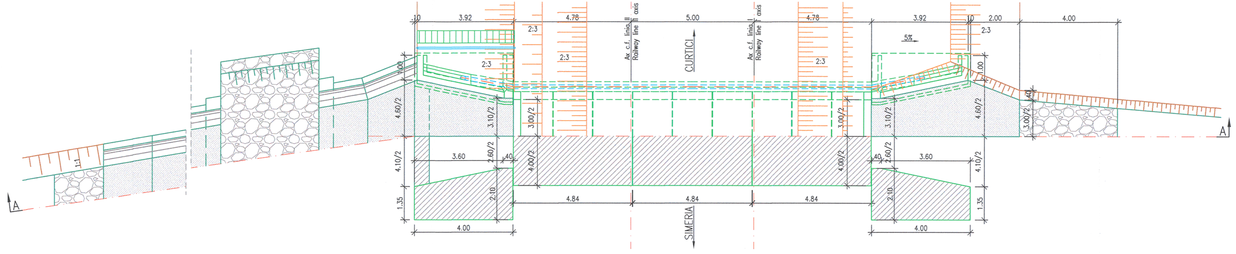
SECTIUNE LONGITUDINALA A–A/A–A LONGITUDINAL SECTION



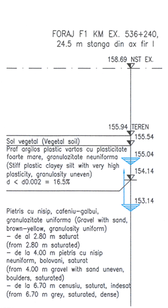


OBSERVATIE: Pe toate suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum filerizat.

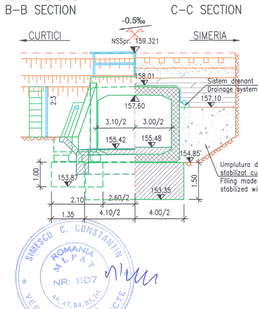
ATTENTION: All concrete surfaces in contact with soil will be cooted with 2 bituminuous layers.

CONVOI DE CALCUL LM71
LOAD MODEL LM71

SECTIUNE B–B
B–B SECTION



SECTIUNE C–C
C–C SECTION



NOTA:
1. Prezentul plan s–a intocmit in baza urmatoarelor date:
– expertiza tehnica;
– studiu topografic;
– studiu geotehnic;
– studiu hidraulic;
– date culese pe teren.
2. Pe traseul de cale ferata proiectat la km 532+603, se vor executa:
– podet tip cadru C3EN, care se racordeaza cu terasamentul amonte si aval cu aripi prefabricate tip A3EN.
– parapet metalic de protectie montat pe podet.
– pereu din beton in podet precum si intre aripi, asigurandu–se astfel o panta de scurgere de 1.5%.
– suprafetele de beton vizibile se vor impermeabiliza.
– scari de acces cu balustrade metalice pe terasament.
– podetul de pe traseul existent se va demola.
3. La executie se vor respecta cu strictete prevederile din:
– Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat, indicativ NE 012;
– Codul de practica pentru executarea elementelor prefabricate din beton, beton armat si beton precomprimat, indicativ NE 013;
– Normativul pentru verificarea calitatii si receptia lucrarilor de constructii aferente, indicativ C56–85 (C56–2002)
– Caietul 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.

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

- BETON C35/45 – Clasa de expunere XC4+XD1+XF3, agregate D_{max} 22. ELEMENTE PREFABRICATE/PREFABRICATED ELEMENTS
- BETON C25/30 – Clasa de expunere XC4+XF1+XM1, agregate D_{max} 16. SAPA DE PROTECTIE A HIDROIZOLATIEI/WATERPROOFING PROTECTION
- BETON C25/30 – Clasa de expunere XC4+XF3, agregate D_{max} 22. PEREU SI FUNDATII DIRECTE/PITCHING AND DIRECT FOUNDATIONS
- BETON C16/20 – Clasa de expunere X0+XF3, agregate D_{max} 16. GREN, BETON DE PANTA, DE EGALIZARE SI SCARI DE ACCES DRAINAGE, SLOPE, LEAN CONCRETE AND ACCESS STAIRS

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 WATERPROFING 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 METALLIC BALUSTRADE	P T 0 2 0 2 0 0 P O 0 2 2
FUNDATIE PREFABRICATA PENTRU PODURI PROVIZORII PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES	P T 0 2 0 2 0 0 P O 0 2 3

NOTE:
1. This plan was prepared based on the next data:
– technical expertise;
– topo survey;
– geo–technical study;
– hydraulic study;
– dates on site.
2. On the designed railway route at km 532+603, there will be executed:
– box culvert type C3EN which will be connected upstream and downstream with precast wings type A3EN.
– metallic handrail mounted on the culvert.
– in the culvert as well as between the wings, a concrete pitching will be executed thus ensuring a discharge slope of 1.5%.
– the visible concrete areas will be waterproofed.
– access steps with metallic handrails are provided on the embankment.
– the culvert on the existing railway route will be demolished
3. During execution there will be strictly observed the provisions of:
– Practice code concerning the execution of concrete, r.c. and pre–stressed concrete works, indicative NE 012
– Practice code concerning execution of concrete, r.c. and pre–stressed concrete elements, indicative NE 013;
– Normative concerning the quality check and taking–over of afferent construction work, indicative C56–85 (C56–2002)
– 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.

RACANEL I. IONUT RADU
ROMANIA
Nr. 07230
A4, B2, D2
INGINER VERIFICATOR PROIECTE

CHIRICA C. ANTON
ROMANIA
Nr. 07230
A4, B2, D2
INGINER VERIFICATOR PROIECTE

SIMESCU C. CONSTANTIN
ROMANIA
Nr. 1107
A4, A5, B4, B5, D1
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 :

COMPANIA NAȚIONALĂ 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: YIOTOP				
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	T. Mihali	01.2013	

"Reabilitarea liniei c.f. Frontier à - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circula ția trenurilor cu viteză maximă de 160 km/h" Transonul 2-C : cap Y liteu - cap Y Gurasada

"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-C : end Y liteu - end Y Gurasada

Project 9i 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:

DISPOZITIE GENERALA / GENERAL LAYOUT
PODET / CULVERT KM pr. 532+603 (KM ex. 536+263)

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1 / 04.2013	PT 02 02 16 PO 03 03	03