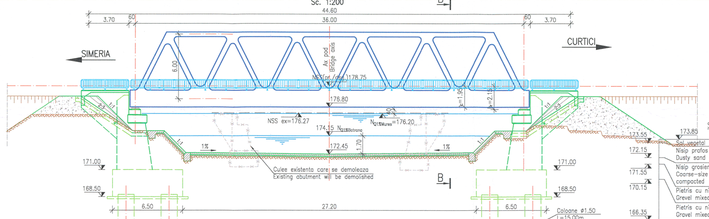
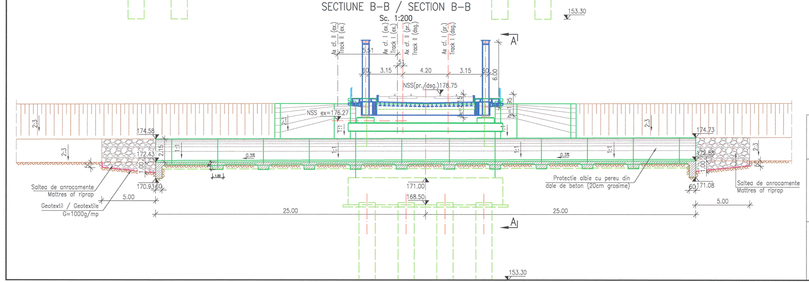
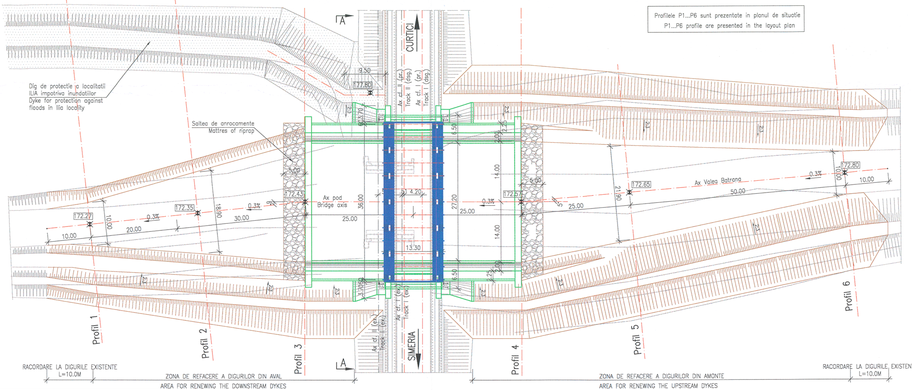
ELEVATIE A–A / ELEVATION A–A
Sc. 1:200



SECTIUNE B–B / SECTION B–B
Sc. 1:200



VEDERE PLANA / PLAN VIEW
Sc. 1:500



1. Conform H.G. 766/1997 lucrarea se incadreaza in categoria "B" a construcciilor de importanta deosebita.
2. Proiectul va fi verificat de verificatori atestati MLPAT la exigentele A.4, B.2 si D.2.

OBSERVATII:
1.Pe toate suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum filerizat.
2.Protectia betonata a dalei se va executa cu rosturi conform C.5.

ATENTION:
1.All concrete surfaces in contact with soil will be coated with 2 bituminous layers.
2. Protection of the riverbed will be executed with joints according with technical specifications.

NOTA:
Pentru trasarea lucrarilor se vor folosi ca repere in plan axele liniilor c.f. iar ca repere de nivel cota NSS(Pr.).

NOTA:
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).

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

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

BETON C25/30 – Clasa de expunere XC4+XF3, agregate D_{max} 22.
ELEVATII INFRASTRUCTURA/INFRASTRUCTURE ELEVATIONS

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

BETON C16/20 – Clasa de expunere X0+XF3, agregate D_{max} 16.
DREN, BETON DE PANTA SI DE EGALIZARE/
DRAINAGE, SLOPE AND LEAN CONCRETE

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS										
HIDROIZOLATIE SI ACOPERIRI DE ROSTURI WATERPROFFING AND EXPANSION JOINTS	P	T	0	3	0	2	0	P	O	1 9
SISTEM DE DRENARE PODURI BRIDGE DRAINAGE SYSTEM	P	T	0	3	0	2	0	P	O	2 0
SCARA DE ACCES SI BALUSTRADA METALICA ACCESS STAIRS AND METALLIC BALUSTRADE	P	T	0	3	0	2	0	P	O	2 2
FUNDATIE PREFABRICATA PENTRU PODURI PROVIZORII SI DETALI 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	2 3
PARAPET METALIC PENTRU PODURI DE BETON METALLIC HANDRAIL FOR CONCRETE BRIDGES	P	T	0	3	0	2	0	P	O	2 4

SCHEMA AMPLASARE APARATE DE REAZEM
BEARINGS POSITION CHART

NOTA:
1. Prezentul plan s–a intocmit in baza urmatoarelor date:
– studiu topografic;
– studiu geotehnic;
– date culese pe teren.
2. Pentru reabilitarea podului se vor executa urmatoarele lucrari:
– Inlocuirea podului existent. Suprastructura podului nou este de tip grinda cu zabrele cale jos cu deschiderea de 36.0m;
– executarea unei protectii pereate din dale de beton pe zona podului;
– curatarea si calibrarea albiei amonte si avat;
– refacerea digurilor existente afectate de realizarea podului nou, pe o lungime de 110m amonte si 85.0m avat;
3. La executie se vor respecta si urtatele prevederile din:
– Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat, indicativ NE 012–2007;
– Codul de practica pentru executarea elementelor prefabricate din beton, beton armat si beton precomprimat, indicativ NE 013–2002;
– Normativul pentru verificarea calitatii si receptia lucrarilor de constructii aferente, indicativ C56–85
– Caietul de sarcini.

NOTE:
1. The plan was prepared based on the following data:
– topographic study;
– geo–technical study;
– data collected from the site.
2. For the bridge rehabilitation, the following works will be executed:
– replacing the existing bridge. The superstructure of the new bridge is of type lattice girder bottom road with span of 36.0m;
– executing a new pitched protection made of concrete slabs on the bridge area;
– cleaning and calibrating the upstream and downstream riverbed;
– renewing the existing dams affected by the execution of the new bridge, on a length of 110m upstream and 85.0m downstream;
3. During execution, there will be strctly observed the provisions of:
– Code of practice concerning the execution of the works made of concrete, reinforced concrete and pre–stressed concrete, indicative NE 012–2007;
– Code of practice concerning the execution of the pre–cast elements made of concrete, reinforced concrete and pre–stressed concrete, indicative NE 013–2002;
– Normative for the the checking the quality and taking over of the different construction works, indicative C56–85
– Technical Specifications.

OBSERVATII privind realizarea colaborarii:
– Conform "NP123/2000" Normativ privind proiectarea geotehnica a fundatiilor pe platforme cu caracteristici pentru a colaborarii se va stabili la executie, dupa realizarea incarcarilor de proba (este o coloana centrala pe fiecare cuiea);
–Incercarile statice de proba vo avea la baza proiect special, intocmit de catre antreprenorul lucrarii si se vor realiza in concordanta cu NP045–2000 "Normativ privind incercarea pe teren a pilotilor de proba si a pilotilor din fundatii";
– Daca la executie , dupa realizarea incarcarilor de proba se va constata co rezistenta unui pilot este mai mica decat cea ovuta in vedere ta proiectare atunci se va convoca proiectantul pentru redimensionarea fundatiilor si adaptarea proiectului la noua situatie;
– Pe toate coloanele se vor montta cate 3 tevi (conform indicatiilor din prezentul proiect) pentru realizarea controlului ultrasonic.

OBSERVATION concerning the columns' execution:
– According to "NP123/2000" Normative concerning the geo–technics designing of foundations on piles, the bearing capacity of the columns will be established during the execution, after performing the test loadings;
– The static test loadings will be based on a special design, prepared by the Contractor of the work and will be performed in compliance with NP045–2000 "Normative concerning the testing on site of test piles and of the piles in foundations";
– If during the execution, after performing the test loading, it is noticed that the resistance of a pile is smaller than the one taken into account when designing, the designer shall be summoned in order to re–dimension the foundations and to adjust the design to the new situation;
– On all columns, there will be mounted 3 pipes (according to the indications from this design) in order to perform the ultrasound control.

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

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

European Investment Bank

MINISTERUL TRANSPORTURILOR

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

PROIECTANT / DESIGNER: PÖYRY			Data Date	Semnatura Semnature
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	T. Toma	01.2013	

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

Project 9/ 35311.1

"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

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:
DISPOZITIE GENERALA / GENERAL LAYOUT
POD / BRIDGE
KM pr. 502+001.70 (KM ex. 503 +073)

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:200; 1:500	1 / 04.2013	PT 03 02 23 PO 22 03	03