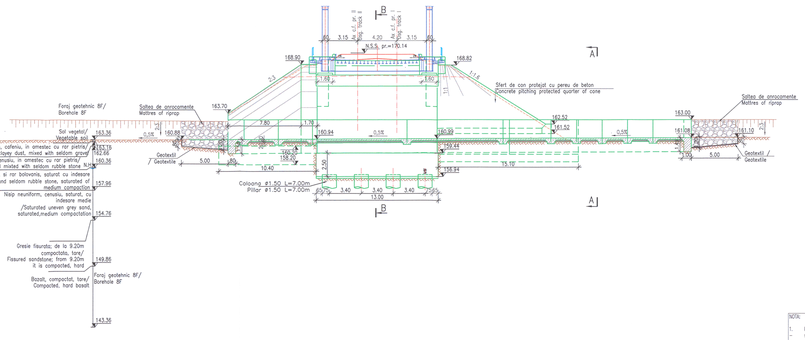
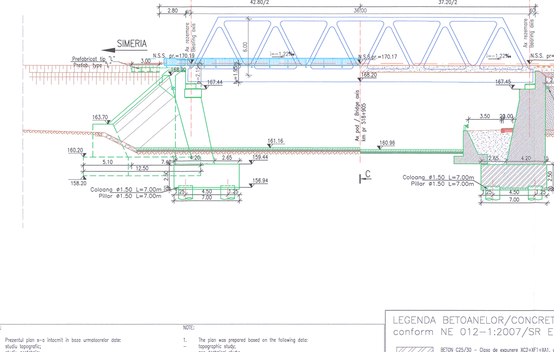
SECTIUNE TRANSVERSALA C–C / CROSS SCTION C–C
Sc. 1:200



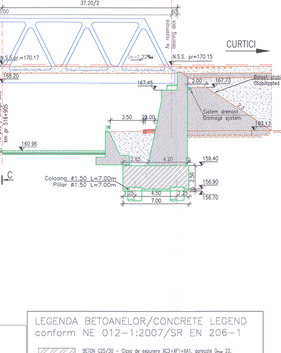
PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS											
HIDROIZOLA TIE SI ACOPERIRI DE ROSTURI/ WATERPROFFING AND EXPANSION JOINTS	P	T	0	2	0	2	0	0	P	0	0	1	9
SISTEM DE DRENARE PODURI/ BRIDGE DRAINAGE SYSTEM	P	T	0	2	0	2	0	0	P	0	0	2	0
ELEMENT PREFABRICAT TIP L/ PREFABRICATED ELEMENT TYPE L	P	T	0	2	0	2	0	0	P	0	0	2	1
SCARI DE ACCES SI BALUSTRADA METALICA/ ACCESS STAIRS AND METALLIC BALUSTRADE	P	T	0	2	0	2	0	0	P	0	0	2	2

Observatii privind realizarea coloanelor:
– Conform "NP123" Normativ privind proiectarea geotehnica a fundatiilor pe piloti, coparticipate portanta a radacinilor se va stabili la executie, dupa realizarea incercarilor de proba (conform tabel 3, punctul 5.3.2.5);
–Incercarile statice de proba vor avea la baza un proiect special, intocmit de catre antreprenorul lucrarii si se vor realiza in concordanta cu "NPO45" Normativ privind incercarea pe teren a pilotilor de proba si a pilotilor din fundatii.
– Daca la executie , dupa realizarea incercarilor de proba se va constata ca rezistenta unui pilot este mai mica decat cea avuta in vedere la proiectare atunci se va convoca proiectantul pentru redimensionarea fundatiilor si adoptarea protectiilor la noua situatie.
– Pe toate coloanele se vor monta cate 3 tevi (conform indicatiilor din preambul proiect) pentru realizarea controalului ultrasonic.

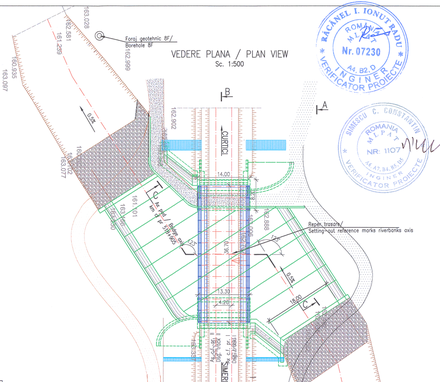
ELEVATIE A–A / ELEVATION A–A
Sc. 1:200
42.80/2



SECTIUNE B–B / ELEVATION B–B
Sc. 1:200
37.20/2



VEDERE PLANA / PLAN VIEW
Sc. 1:500



NOTA:
1. Prezentul plan a-a intocmit in baza urmatoarelor date:
– studiu topografic;
– studiu geotehnic;
– date cuiere pe teren.
2. Pentru executia podului se vor executa urmatoarele lucrari:
– executia infrastructurii noi;
– executia suprastructurii noi;
suprastructura este de tip grinzi cu zabrele cu inaltimea de constructie de 1.50m si deschiderea de 28.00m;
– curatirea, calibrarea si pavarea albiei amonte si aval;
– impermeabilizarea suprafetelor din beton vizibile.
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;
– Caietul de sarcini 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 CR6-80
– 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 in exigentele A4, B.2 si D.2.

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 execution, the following works will be executed:
– execution of the new substructure;
– execution of the new infrastructure;
the suprastructure is metallic truss girder height system of 1.85m and the span of 28.00m;
– cleaning and calibration of the upstream and downstream riverbed;
– coating all visible concrete surfaces.
3. During execution, there will be strictly 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;
– The technical specifications concerning the execution of the pre-cast elements made of concrete, reinforced concrete and pre-stressed concrete, indicative NE 013-2002;
– Normative for the fire checking the quality and taking over of the efferent construction works, indicative CR6-80
– Technical Specifications.
4. Complying with H.G. 766/1997 this structure belongs to category "B" of importance.
5. The project will be verified at A4, B.2 and D.2 requirements.

Observations concerning the columns' execution:
– According to "NP123" Normative for the geotechnical designing of foundations on piles, the bearing capacity of columns will be established at the execution, after carrying-out the test loadings (according to table 3, point 5.3.2.5);
– The static test loadings will be based on a special design, prepared by the work's contractor and will be carried-out in compliance "NPO45" Normative concerning the site testing of test piles and of piles from foundations;
– If at the execution, after carrying-out the test loadings, it will be found that the strength of a pile is smaller than the one taken into account when designing, the designer will be convoked in order to realize the foundations and to adopt the design to the new situation;
– 3 pipes will be mounted on each column (according to the indications from this design), in order to carry-out the ultrasonic inspection.

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

	BETON C25/30 – Clasa de expunere XC3+XF1+XH1, agregate Dmax 22. RADIER COLOANE, FUNDATII DIRECTE SI FUNDATII PROVIZORII/CAP PILES, DIRECT FOUNDATIONS AND TEMPORARY FOUNDATIONS
	BETON C25/30 – Clasa de expunere XC4+XF3, agregate Dmax 22. ELEMENTI INFRASTRUCTURA SI ZIDURI DE SPRIJIN/ INFRASTRUCTURE ELEMENTS AND RETAINING WALLS
	BETON C25/30 – Clasa de expunere XC4+XF1+XW1, agregate Dmax 16. SAPA DE PROTECTIE A HIDROIZOLATIEI SI PREDALE/ WATERPROOFING PROTECTION AND PRECLABS
	BETON C25/30 – Clasa de expunere XC4+XF3+XA1, agregate Dmax 22. ARIPI, SPERT DE CON, PERETI SI SCARI DE ACCES/ WINGS, QUARTER CONE, PITCHING AND ACCESS STAIRS
	BETON C16/20 – Clasa de expunere XO+XF3, agregate Dmax 32. SAPA, BETON DE PANTA, DE EGALIZARE, DRAINAJ, SLEFUIRI, LUMA CONCRETE

OBSERVATIE:
1.Pe toate suprafetele din beton in contact cu pamantul se var aplica 2 straturi de emulsie din bitum filerizat.
2.Protectia betonului a stâlpi se va executa cu rosturi conform C.S.

ATTENTION:
1.All concrete surfaces in contact with soil will be coated with 2 layers of filled bitumen.
2.The concrete protection of the riverbed will be executed with joints according with technical specifications.

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. Tudorescu	01.2013	
Subcontractant / Subcontractor VIOTOP				
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	T. Nicolaescu	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"
Tronsonul 2-C ; cap Y Ilteu - 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 Ilteu - end Y Gurasada

Project 9i 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:

DISPOZITIE GENERALA/GENERAL LAYOUT
POD /BRIDGE KM pr.518+905

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:500 1:200	1 / 04.2013	PT.02.02.17.PO.05.03	03