LEGENDA BETOANELOR/CONCRETE LEGEND
conform NE 012-1/2007,SR EN 206-1

BETON C35/37 – Clasa de rezistenta XC4+XF1, agregate Dmax 32 (MUR DE INTARIRE/RETAINING WALL)

BETON C35/37 – Clasa de rezistenta XC4+XF1+XF4, agregate Dmax 32 (RAMPE DEGRADE DE TUNEL/TUNNEL PORTAL EMBANKMENT)

BETON C35/37 – Clasa de rezistenta XC4+XF1+XF4, agregate Dmax 32 (PILOTI FISIAMCORELL/PILES)

BETON C35/37 – Clasa de rezistenta XC4+XF3, agregate Dmax 32 (CUVA INTARZIATOARE A OCHIULUI DE SCURGERE, INFRASTRUCTURE CLOSING AND RETAINING WALLS)

BETON C35/37 – Clasa de rezistenta XC4+XF1+XM1, agregate Dmax 16 (PLACA DE UZURA/WEARING SLAB INCORPORATING PROTECTION AND PRECLOSE)

BETON C35/37 – Clasa de rezistenta XC4+XF1+XM1, agregate Dmax 32 adm. 60SP SE CDL PERO SI SCAN SI ACCES MASS, QUARTZ STEEL STRAND AND ACCESS STAND)

BETON C16/20 – Clasa de rezistenta XC4+XF1, agregate Dmax 32 (BLOCURI DE ANCORAJ, BLOCURI DE SPRIJIN, BLOCURI DE CAPETE/ANCHOR BLOCKS, SUPPORT BLOCKS, END CONCRETE AND TEMPORARY THICKENING)

SECTIUNE B–B / B–B SECTION
Sc. 1:100

SECTIUNE D–D / D–D SECTION
Sc. 1:100

SECTIUNE E–E / E–E SECTION
Sc. 1:100

VEDERE ELEVATIE / ELEVATION
Sc. 1:100

SECTIUNE A–A / SECTION A–A
Sc. 1:100

VEDERE PLANA C–C/ PLANE VIEW C–C
Sc. 1:100

NOTA
1. Prezentul plan a-c intocmit in baza urmatoarelor date:
- studiu topografic;
- studiu geotehnic;
- tema de proiectare solicitata de ver executia urmatoarelor lucrari:
- executie unei suprastructuri noi;
- executie unei substructuri noi;
- Suprastructura va fi tip cadru rigid inchis executat in concretiu, tip rama, cu grosimea variabila de 1.10m si dimensiunea de 10.50m;
- Substructura va fi realizata din pereti cu grosimea variabila de 1.10m si dimensiunea de 8.60 pereti;
- Cuva amenajata pentru scurgerea apei va avea latime variabila.
- Cu executia unei rampe de acces cu structura prevazuta din:
- Lucrari de protectie pentru executarea lucrarilor din talveg, taluz versus si taluz opus.
- Lucrari de protectie pentru executarea lucrarilor subterane subjacente de tunel, taluz versus si taluz posavorgrind, indicate NE 012-2/2002.
- Lucrari de protectie a infrastructurilor aeriene si masurile luandse de constructii diverse, indicate 1206-98.
- Calcul de excavatii.
- Conform Ordinului MDRT numarul de inregistrare in categoria "D" a constructiei de importanta deosebita.
- Clasa de fiabilitate a fundatiei si structurii de rezistenta este 2.
- Betonul va fi vertical se vor folosi cofraje metalice.

NOTE
1. The plan was prepared based on the following data:
- topographic study;
- geo-technical study;
- the theme of design, calling the following works will be executed:
- execution of a new infrastructure;
- execution of a new substructure;
- The superstructure is of type «solid» frame embedded in concrete, type frame, with the variable thickness of 1.10m and the size of 10.50m;
- The substructure will be made of walls with the variable thickness of 1.10m and the size of 8.60 walls;
- Tank arranged for the drainage of the water will have variable latime.
- With the execution of the access ramp with the structure provided in:
- Protection works for the tie checking the quality and taking over of the affered talveg, talveg versus and talveg opposite, indicated NE 012-2/2002.
- Protection of the underground infrastructure and the measures taken in the various constructions, indicated 1206-98.
- Calculation of excavations.
- According with M.D. 766/1997 this structure belongs to category "D" of importance.
- The project will be verified at 4+1, 8+2 and 2+2 replacements.

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS					
HIDROIZOLATIE/WATERPROOFING	P	+	2.0	2.0	P + 2.0
DILATAREPOSTAMA AND EXPANSION JOINTS	P	+	2.0	2.0	P + 2.0
SISTEM DE DRENARE/DRAINAGE	P	+	2.0	2.0	P + 2.0
SUPRASTRUCTURA/SUPERSTRUCTURE					
(CLOSED STRUCTURE/TYPE FRAME)	P	+	2.0	2.0	P + 2.0
PREFABRICATED ELEMENT TYPE I	P	+	2.0	2.0	P + 2.0
PREFABRICATED ELEMENT TYPE II	P	+	2.0	2.0	P + 2.0
ACCESS STAIRS AND INSTALLS BALUSTRADE	P	+	2.0	2.0	P + 2.0
PAVAMENT/METALIZ PAVING/FOSUR DE BETON	P	+	2.0	2.0	P + 2.0
METAL/ELIMINARE/FOR CONCRETE BRIDGES					

CHAMP DE SAGEATA - ARC / DEFLECTION CHART - ARC

LEGENDA
1.Pe toate suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie de tip bitum.
2.Pentru betonul folosit la etilaje se va executa cu natul conform C3.

ATENTIE
1. Pe concrete surfaces in contact with soil will be coated with 2 bituminous layers.
2.The concrete protection of the trestles will be executed with white according with technical specifications.

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

Verificator / Expert Checker / Expert	Cerinta Beneficiarului	Semnatura Signature	Nr. / Date Nr. / Data

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY:
COMPANIA NATIONALA DE CAI 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	

Subproiectant / Subcontractor: MOTOP

Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Blaicu	01.2013	
Proiectat Designed	Inginer Engineer	T. Nicolaescu	01.2013	

"Imbunatatirea liniei c.f. Frontiera - Curtici - Simeria, parte componenta a coridorului IV Pan - European pentru sinuta (la transcriber cu viteza maxima de 160 km/h" "Modernization of the railway line Curtici - Simeria, component Part of the IV Pan-European Corridor for Trains Circulation with maximum speed of 160 km/h"
Sectiunea / Section: Km 0+000 - Km 7+000

Faza / Phase: PTh+DTAC+DTE

Denumire desen / Drawing name:
SECTIILE GENERALA/GENERAL LAYOUT
PASAJ INFERIOR /UNDERPASS KM pr.51+739.00

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr. / No.
1:100	1 / 04.2013	PT.02.02.17.PO.03.03	03