



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

CHIRIAC ANTON
 Nr. 563
 ROMANIA
 VERIFICATOR PROIECTE

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY:
 COMPANIA NATIONALA DE CALFERATE "CFR" SA

PÖYRY

PROIECTANT / DESIGNER:

APROBAT / APPROVED
 C. Teodorescu

VERIFICAT / CHECKED
 R. Tudorascu

Subcontractant / Subcontractor
MOTOP

APROBAT / APPROVED
 A.M. Baicu

PROIECTAT / DESIGNED
 F. Ioanidi

"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a Coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h"
 Tronsoanel 3: Gurasada - Simeria

"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, componentă Part of the IV Pan - European Corridor for the Trains Circulation with maximum speed of 160 km/h"
 Section 3: Gurasada - Simeria

Denumire desen / Drawing name:
DISPOZITIE GENERALA / GENERAL LAYOUT
POD / BRIDGE KM pr. 508+447.23 (KM ex. 509+515)

Scara / Scale
 1:200

Revizua / Revision
 1 / 04.2013

Cod desen / Drawing Code
 PT.03.02.21.PO.05.03

Nr / No
 03

FISA FORAJULUI
SHEET OF DRILLING

Umplutura din balast si piatra spornita si zdrobita
 Filling made out of ballast and crushed stone

Argile profusoza / Dusty clay

Pietris cu liant argilos / Gravel with clayey binder

Argile profusoza / Dusty clay

Prof nisipos, plastic-consistent. / Sandy dust, plastic-consistent.

Nisip mare cu pietris mic / Big-size sand with small-size gravel

CONVOI DE CALCUL LM71
 CALCULATION CONVOY LM71

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

BETON C25/30 - Beton cu coajura de hidratare limitata, clasa de expunere XC2+XF+XA1, agregate Dmax 22, FUNDATI DIRECTE/DRECT FOUNDATIONS

BETON C25/30 - Clasa de expunere XC4+XF3, agregate Dmax 22, ELEVATA INFRASTRUCTURI/INFRASTRUCTURE ELEVATION

BETON C25/30 - Clasa de expunere XC4+XF3+XA1, agregate Dmax 22, SFEET DE CON, PEREI SI SCARI DE ACCES QUARTER CONE, PITCHING AND ACCESS STAIRS

BETON C16/20 - Clasa de expunere XC4+XF3, agregate Dmax 16, DREN, BETON DE EGURIZARE DRAINAGE, LEAN CONCRETE

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS

HIDROIZOLATIE SI ACOPERIRI DE ROSTURI	P	T	0	3	0	2	0	1	0	1	9
WATERPROOFING AND EXPANSION JOINTS	P	T	0	3	0	2	0	1	0	2	0
SISTEM DE DRENARE PODURI	P	T	0	3	0	2	0	1	0	2	1
BRIDGE DRAINAGE SYSTEM	P	T	0	3	0	2	0	1	0	2	1
ELEMENT PREFABRICAT TIP L	P	T	0	3	0	2	0	1	0	2	1
PREFABRICATED ELEMENT TYPE L	P	T	0	3	0	2	0	1	0	2	2
SCARA DE ACCES SIBALUSTRADA METALICA	P	T	0	3	0	2	0	1	0	2	2
ACCESS STAIRS AND METALLIC BALUSTRADE	P	T	0	3	0	2	0	1	0	2	3
FUNDATIE PREFABRICATA PENTRU PODURI/PROVIZORII SI DETALII	P	T	0	3	0	2	0	1	0	2	3
DE REZEMARE PODURI PROVIZORII	P	T	0	3	0	2	0	1	0	2	3
PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES AND PROPPING-UP DETAILS FOR TEMPORARY BRIDGES	P	T	0	3	0	2	0	1	0	2	4
PARAPET METALIC PENTRU PODURI DE BETON	P	T	0	3	0	2	0	1	0	2	4
METALLIC HANDRAIL FOR CONCRETE BRIDGES	P	T	0	3	0	2	0	1	0	2	4

SCHEMA AMPLASARE APARATE DE REAZEM
BEARINGS POSITION CHART

Rmax/aport reazem=554kN
 Deplasarea maxima admisa=100mm

● APARAT FIX/FIX BEARING
 ▲ APARAT UNIDIRECTIONAL/
 UNIDIRECTIONAL BEARING
 ▼ APARAT MULTIDIRECTIONAL/
 MULTIDIRECTIONAL BEARING

NOTA:

1. This plan was prepared based on the following data:
 - topographic survey;
 - geo-technical study;
2. In order to make the bridge, the following works will be carried-out:
 - the infrastructure will be formed of two reinforced concrete abutments with direct foundations 6,50x14,00m and the connections to the railway embankment are carried out by help of pitched cone quatters;
 - the superstructure is of type truss girders bottom road. The height system is of 1,95m and the span of 36,00m;
 - correction and arrangement of the riverbed, protection made of concrete pitching on 112,00m upstream;
 - correction and arrangement of the riverbed, protection made of concrete pitching on 72,00m downstream;
 - calibration and arrangement of the riverbed on 30,00m upstream;
 - calibration and arrangement of the riverbed on 30,00m downstream;
3. During the execution, the provisions of the following documents will be strictly observed:
 - Practice code for the execution of works made of concrete, reinforced concrete and pre-stressed concrete, indicative NE 012-1-2007 and NE 0122-2010;
 - Practice code for the execution of the precast elements made of concrete, reinforced concrete and pre-stressed concrete, indicative NE 013-2002;
 - Normative for quality checking and taking over of afferent construction works, indicative C56-85
 - The 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.

NOTA:

1. Prezentul plan s-a intocmit in baza urmatoarelor date:
 - studiu topografic;
 - studiu geotehnic;
2. Pentru realizarea podului se vor executa urmatoarele lucrari:
 - infrastructura va fi alcătuită din doua culci de beton armat cu fundatii directe 6,50x14,00m iar racordările cu terasamentul c.î. sunt realizate cu sterturi de con perate;
 - suprastructura este de tip grinzi cu zăbrele catea jos. Inaltimea de constructie de 1,95 m si deschiderea de 36,00m;
 - corectia si amenajarea albiei, protectia cu peruu din beton pe 112,00m amonte;
 - corectia si amenajarea albiei, protectia cu peruu din beton pe 72,00m aval;
 - calibrarea si amenajarea albiei pe 30,00m amonte;
 - calibrarea si amenajarea albiei pe 30,00m 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 012-1-2007 si NE 0122-2010;
 - 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
 - Cielul 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.

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