

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

**NOTA:**  
 1. This plan was prepared based on the next data:  
 - Topo survey;  
 - Geo-technical study;  
 - Technical expertise;  
 - Sheet of the bridge;  
 - Data collected on the site;  
 2. In order to execute the new bridge, the next works will be performed:  
 - The superstructure of the bridge will be formed of deck slabs with metallic beams embedded in concrete (DSM) with the span of 15,00m and ballast vat;  
 - The infrastructure will be made-out of two abutments of reinforced concrete that are to be founded directly;  
 - The quarters of cone will be pitched with reinforced concrete with placed on a sand bed of 10cm;  
 - All the visible concrete surfaces will be waterproofed;  
 - Calibration of the riverbed on 25,00m upstream and 10,00m downstream and on the bridge area the riverbed will be arranged with a 15cm thick concrete pitching placed on a 10cm thick sand layer.  
 3. The bridge also functions as underpass serving a local road;  
 - The provisions of the following legislation are to be strictly observed during execution "Code of practice for executing the concrete, reinforced concrete and prestressed concrete works", indicative NE 206-1, "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat. Producere beton", indicativ NE 012-2:2010, NE 012-2:2010 si NE 013/2002, din constructiile pentru verificarea calitatii si receptia lucrarilor de constructii aferente indicativ C56-85 si a Caietului 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.

**VERIFICATOR**  
 Nr. 07230  
 A4 B2 D 2  
 VERIFICATOR PROIECTE

**Referat / Expertise Report / Expertise**

**European Investment Bank**

**MINISTERUL TRANSPORTURILOR**

**BENEFICIAR / BENEFICIARY :**  
 COMPANIA NATIONALA DE CAI FERATE "CFR" SA

**Semnatura**  
 Signature

**Referat / Expertise Report / Expertise**

**Verificator / Expert Checker / Expert**

**Cerinta Requirement**

**Semnatura**  
 Signature

**PROIECTANT / DESIGNER:**  
**PÖYRY**

**Data Date**  
 01.2013

**Semnatura**  
 Signature  
 C. Teodorescu

**Verificat**  
 Expert Cheile

**Checkat**  
 Key Expert  
 R. Tudorascu

**Subcontractant / Subcontractor**  
**VIOTOP**

**Aprobat**  
 Adjunct Sef de echipa

**Approved**  
 Deputy Team leader  
 A.M. Baicu

**Proiectat**  
 Inginer

**Designed**  
 Engineer  
 A. Negrei

**01.2013**

**01.2013**

**01.2013**

**01.2013**

**Project 9i**  
 35311.1

**Faza / Phase:**  
 PTH+CS / TD+TS

**Denumire desen / Drawing name:**  
**DISPOZITIE GENERALA / GENERAL LAYOUT**  
**POD / BRIDGE KM pr. 575+739 (KM ex. 579+017)**

**Scara / Scale**  
 1:200

**Revizia / Revision**  
 1 / 04.2013

**Cod desen / Drawing Code**  
 PT.02.02.09.PO.07.03

**Nr / No**  
 03

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 5. Proiectul va fi verificat de verificatori atestati MLPAT la exigentele A.4, B.2 si D.2.

**NOTA:**  
 1. Prezentul plan s-a intocmit in baza urmatoarelor date:  
 - Studiu topografic;  
 - Studiu geotehnic;  
 - Expertiza tehnica;  
 - Fisa podului;  
 - Date culese pe teren;  
 2. Pentru realizarea podului nou se vor executa urmatoarele lucrari:  
 - Suprastructura podului va fi un tablier alcatuit din grinzii metalice incabate in beton (DSM) cu deschiderea de 15,00m si cuva de balast;  
 - Infrastructura va fi alcatuita din doua culci din beton armat ce se vor funda direct;  
 - Sieruntile de con se vor realiza cu beton armat cu grosime de 15cm armat cu plasa sudata 100x100-8 pozat pe un pat de nisip de 10cm;  
 - Impermeabilizarea suprafetelor de beton vizibile;  
 - Calibrarea albiei pe 25,00m amonte si 10,00m aval, iar pe zona podului abia se va amenaja cu pereu din beton de 15cm pe un strat de nisip de 10cm.  
 3. La executie se vor respecta cu strictete prevederile din SR EN 206-1, "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat. Producere beton", indicativ NE 012-2:2010, NE 012-2:2010 si NE 013/2002, din constructiile pentru verificarea calitatii si receptia lucrarilor de constructii aferente indicativ C56-85 si a Caietului de Sarcini.  
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**LEGENDA BETOANELOR/CONCRETE LEGEND**  
 conform NE 012-1:2007/SR EN 206-1

BETON C30/37 - Clasa de expunere XC3+XF1, agregate Dmax 22  
 DALA DE BETON/CONCRETE SLAB

BETON C25/30 - Clasa de expunere XC2+XF1+XA1, agregate Dmax 22.  
 FUNDATII DIRECTE/DIRECT FOUNDATIONS

BETON C25/30 - Clasa de expunere XC4+XF3, agregate Dmax 22.  
 ELEVATII INFRASTRUCTURA SI ZIDURI DE SPRIJIN/  
 INFRASTRUCTURE ELEVATIONS AND RETAINING WALLS

BETON C25/30 - Clasa de expunere XC4+XF1+XA1, agregate Dmax 16.  
 SAPA DE PROTECTIE A HIDROIZOLATIEI SI PREDALE/  
 WATERPROOFING PROTECTION AND PRESLABS

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

BETON C16/20 - Clasa de expunere X0+XF3, agregate Dmax 16.  
 DREN, BETON DE PANTA SI DE EGALIZARE/  
 DRAINAGE, SLOPE AND LEAN CONCRETE

**CONVOI DE CALCUL LM71**  
 CALCULATION CONVOY LM71

**PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS**

HIDROIZOLATIE SI ACOPERIRI DE ROSTURI	P	T	0	2	0	2	0	0	1	9
WATERPROOFING AND EXPANSION JOINTS	P	T	0	2	0	2	0	0	2	0
SISTEM DE DRENARE PODURI	P	T	0	2	0	2	0	0	2	0
BRIDGE DRAINAGE SYSTEM	P	T	0	2	0	2	0	0	2	0
ELEMENT PREFABRICAT TIP L	P	T	0	2	0	2	0	0	2	1
PREFABRICATED ELEMENT TYPE L	P	T	0	2	0	2	0	0	2	1
SCARA DE ACCES SIBALISTRADA METALICA	P	T	0	2	0	2	0	0	2	2
ACCESS STAIRS AND METALLIC BALUSTRADE	P	T	0	2	0	2	0	0	2	2
PARAPET METALIC PENTRU PODURI DE BETON	P	T	0	2	0	2	0	0	2	4
METALLIC HANDRAIL FOR CONCRETE BRIDGES	P	T	0	2	0	2	0	0	2	4

**VEDERE PLANA / PLAN VIEW**  
 Sc. 1:200

**SECTIUNE A-A / A-A SECTION**  
 Sc. 1:100

**SECTIUNE LONGITUDINALA / LONGITUDINAL SECTION**  
 Sc. 1:200

**SECTIUNE TRANSVERSALA / CROSS SECTION**  
 Sc. 1:200

