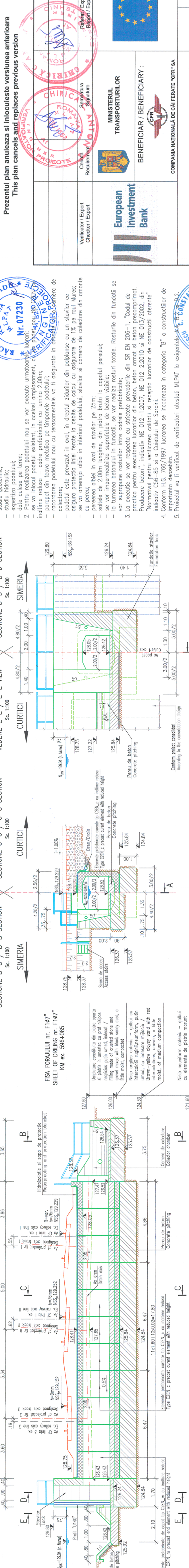
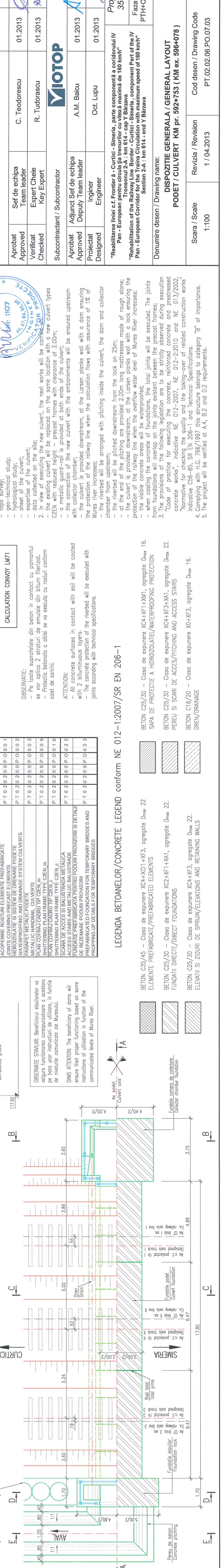


SECTIUNE LONGITUDINALA A-A / A-A LONGITUDINAL SECTION
 Sc. 1:100



VEDERE IN PLAN SI PLAN FUNDATII / PLAN VIEW AND FOUNDATIONS PLAN
 Sc. 1:100



CONVOI DE CALCUL LM71
 CALCULATION CONVOY LM71

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS	P	T	0	2	0	0	P	0	0	0	1
ACOPERIRE ROSTURI PRECAST ELEMENTS											
HIDROIZOLATIE SI SISTEM DE DRENAJE PODETE											
PARAPET METALIC PODETE											
METALIC HANDRAIL CULVERTS											
PLAN COFRAJ CADRU TIP C2EN_m											
SHUTTERING PLAN FRAME TYPE C2EN_m											
PLAN COFRAJ CADRU TIP C2EN_c											
SHUTTERING PLAN FRAME TYPE C2EN_c											
SCARA DE ACCES SI BALUSTRADE METALICA											
ACCESS STAIRS AND METALLIC BALUSTRADE											
FUNDATIE PREFABRICATA PENTRU PODURI PROVIZORII SI DETALII DE REZEMARE PODURI PROVIZORII											
PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES AND PROPPING-UP DETAILS FOR TEMPORARY BRIDGES											

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

BETON C25/30 - Clasa de expunere XC4+XF1+XM1, agregate Dmax 22	
ELEMENTE PREFABRICATE/PREFABRICATED ELEMENTS	
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	
ELEVATI SI ZIDURI DE SPRUIN/ELEVATIONS AND RETAINING WALLS	

NOTA:
 1. Prezentul plan s-a intocmit in baza urmatoarelor date:
 - ridicare topografica;
 - studii geotehnice;
 - studiu hidrologic;
 - experienta podetului;
 - date culesse pe teren;
 2. Pentru realizarea podetului nou se vor executa urmatoarele lucrari:
 - se va inlocui podetul existent, in aceiasi amplasament, cu podet de tip C2EN_m cu inaltime redusa;
 - racordet din teava metalica pe timpanele podetului;
 - racordet din teava metalica pe terasamentele va fi asigurata in ansamblu cu camera de colectare;
 - podetul este prevazut in oval, in dreptul zidurilor din palplance cu un stavarilor ce asigura protectia liniei ferate la debite de calcul cu asigurare de 1% pe raul Mures, se va amenaja albia in interiorul podetului, stavarilor si camera de colectare din amonte cu peruu;
 - perererea abiei in aval de stavarilor pe 25m;
 - solutele de 2.00m lungime, din piatra bruta la capatul perelui;
 - se vor impermeabiliza suprafetele de beton vizibile;
 - la turnarea betonului in fundatii, se vor realiza rosturi totale. Rosturile din fundatii se vor suprapune rosturilor intre cadrele prefabricate;
 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 012-1:2007, NE 012-2:2010 si NE 013/2002, din "Normativul pentru verificarea calitatii si receptia lucrarilor de constructii aferente" indicativ C56-85 si a Caietului de Sarcini.
 4. Conform HG. 766/1997 lucrarea se incadreaza in categoria "B" a constructiilor de importanta deosebita.
 5. Proiectul va fi verificat de verificatori atestati MLPAT la exigentele A4, B2 si B2.02.

NOTE:
 1. This plan was prepared based on the next data:
 - topo survey;
 - geo-technical study;
 - hydrological study;
 - sheet of the culvert;
 - expertise of the culvert;
 - data collected on the site;
 2. In view of executing the new culvert, the next works will be carried out:
 - the existing culvert will be replaced on the same location with a new culvert types C2EN with reduced height is provided at both ends of the culvert;
 - a metallic guard-rail is provided with the embankments will be ensured upstream with collector chamber;
 - the culvert is provided downstream, at the Larsen planks wall with a dam ensuring the protection of the railway line when the calculation flows with assurance of 1% of Mures river increases;
 - the riverbed will be arranged with pitching inside the culvert, the dam and collector chamber from upstream;
 - the riverbed will be pitched downstream from the lock on 25m;
 - at the end of the pitching are provided 2,00m long mattresses made of rough stone;
 - the culvert is provided downstream, at the Larsen planks wall with a lock ensuring the protection of the railway line when the overflow water level of Mures River increases;
 - the visible concrete areas will be waterproofed;
 - when casting the concrete of foundations, the total joints will be executed. The joints from foundations will overlap on the joints existent between the precast frames;
 3. 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 012-2007, NE 012-2:2010 and NE 013/2002, "Normative for checking the quality and the taking-over of related construction works" indicative C56-85, SR EN 206-1 and 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.

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

Verificator / Expert
 Checker / Expert

Cerinta / Requirement
 Requirement

Semnatura / Signature
 Signature

Referat / Expertiza
 Report / Expertise

MINISTERUL TRANSPORTURILOR
 BENEFICIAR / BENEFICIARY :

COMPANIA NATIONALA DE CAI FERATE "CFR" SA

PROIECTANT / DESIGNER:
PÖYRY

Sef de echipa / Team leader
 C. Teodorescu

Expert Cheie / Key Expert
 R. Tudorascu

Subcontractant / Subcontractor
MIOTOP

Adjunct Sef de echipa / Deputy Team leader
 A.M. Baicu

Proiectat / Designed
 Oct. Lupu

Data / Date
 01.2013

Semnatura / Signature

REABILITAREA LINIEI C.F. FRONTIERA - SIMERIA, PARTE COMPONENTA A CORIDORULUI IV
 Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h
 Tronsoanel 2-A : km 614 - cap Y Bărzava

"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-A : km 614 - end Y Bărzava

Denumire desen / Drawing name:
**DISPOZITIE GENERALA / GENERAL LAYOUT
 PODET / CULVERT KM pr. 592+753 (KM ex. 596+078)**

Scara / Scale
 1:100

Revizia / Revision
 1 / 04.2013

Cod desen / Drawing Code
 PT.02.02.06.PO.07.03

Nr / No
 03