



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



European Investment Bank
MINISTERUL TRANSPORTURILOR
 BENEFICIAR / BENEFICIARY :
 COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA



PROIECTANT / DESIGNER:

Aprobat / Approved	Sef de echipa / Team leader	C. Teodorescu	01.2013	Semnatura / Signature	
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Proiectat / Designed	Inginer / Engineer	A. Negrei	01.2013	Semnatura / Signature	

Subcontractant / Subcontractor
VIOTOP
 "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 2-A : km 614 - cap Y Bârzava
 "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 Bârzava

Denumire desen / Drawing name:
TEHNOLOGIE DE EXECUTIE / EXECUTION TECHNOLOGY
POD / BRIDGE KM pr. 606+953 (KM ex. 611+458)

Scara / Scale	1:200	Revizia / Revision	1 / 04.2013	Cod desen / Drawing Code	PT.02.02.01.PO.02.04
				Nr / No	04

- Faza I**
- Se amenajeaza drumul de acces, platforma tehnologica si organizarea de santier.
 - Se traseaza si picheteaza axele liniilor si infrastructurii podului.
 - Se realizeaza o platforma de lucru in zona podului.
 - Se executa sapatura cu sprijiniri pentru realizarea fundatiei noi.
 - Se toarna betonul de egalizare de sub talpa fundatiei si se demonteaza ultimul rand de cadre de sprijin dupa ce clasa betonului de egalizare a ajuns la 80%.
 - Se executa fundatiile culeelor si se scot sprijinurile.
 - Se executa elevatiile culeelor.
 - Pe suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum filerizat.

- Stage I**
- Arranging the access road, the technological platform and the site organization.
 - Marking-out and pegging the axes of lines and bridge infrastructure.
 - Executing a work platform in the area of the bridge.
 - Executing excavation with propping-ups for the new foundation.
 - The levelling concrete is cast from under the foundation flange and the last row of retaining frames is dismantled after the class of levelling concrete reaches 80%.
 - Executing the foundation of the abutments and removing the propping-ups.
 - Executing the elevations of abutments.
 - 2 layers of filler asphaltic emulsion will be applied on the concrete area that are in contact with soil.

- Faza II**
- Se executa sapatura sub nivelul terenului natural in spatiele culeelor.
 - Se executa umplutura din balast stabilizat cu ciment la cota.
 - Se executa fundatia drenului conform detaliilor din proiect.
 - Se executa sistemul drenant (geodren, geotextil si tub).

- Stage II**
- Executing the excavation under the level of the natural soil.
 - Executing ballast filling stabilized with cement at level.
 - Executing the drain foundation according to the design details.
 - Executing the draining system (geo-drain, geo-textile and tube).

- Faza III**
- Se monteaza grinzile metalice, se cofreaza si se monteaza armatura in amplasamentul final.
 - Se toarna dala cu tablauerul rezemat direct pe reazemele definitive ale culeelor.
 - Se toarna betonul de panta, hidroizolatia si betonul de protectie.
 - Se executa terasamentul la cota finala proiectata.
 - Se executa calea conform proiectului de suprapstructura CF.
 - Se deschide circulatia in trepte de viteza conform instructiunilor CFR.

- Stage III**
- Montage of metallic girders, shutter and montage of the reinforcement.
 - Cast of the slab with the deck directly propped on the final bearings of the abutments.
 - Cast of the slope concrete, waterproofing and protection concrete.
 - Executing the embankment at the final designed level.
 - Executing the track according to the railway superstructure project.
 - Opening the traffic with speed limits according to the CFR instructions.

- Faza IV**
- Se executa lucrarile de amenajare a albiei.
 - Se desfiinteaza organizarea de santier si platforma de lucru.

- Stage IV**
- Executing the arrangement works of the riverbed.
 - Removing the site organization and the work platform.

