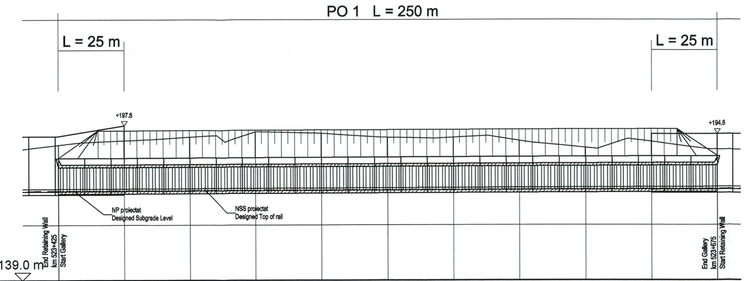
Longitudinal Section Gallery

M=1:1000



Profil longitudinal - Firul II
Longitudinal profile -Track II

Declivitati ‰ / Lungimi (m)	Gradient ‰ / Lengths (m)											
Diferente pe verticala (m) intre NSS proiectat si NSS existent	Vertical distances (m) between designed NSS and existing NSS											
Nivel superior sina - linia proiectata (in curbe pe firul interior)	Top of Rail -designed line (in curves on inner rail)	173.665	173.740	173.815	173.890	173.964	174.039	174.114	174.189	174.264	174.339	174.413
Nivel platforma c.f. - linia proiectata	Subgrade level - designed line	172.915	172.990	173.065	173.140	173.214	173.289	173.364	173.439	173.514	173.589	173.663
Nivel superior sina existenta sau nivel teren existent	Existing Top of Rail or existing terrain level											
Kilometraj	Chainage	425.000	450.000	475.000	500.000	525.000	550.000	575.000	600.000	625.000	650.000	675.000

Diagrama curburilor
Scara=1:1000 - 5 / R

Curvature diagram
Scara=1:1000 - 5 / R

Diagrama suprainaltarilor
M=1:1000 - 0.1 x h
sina din stanga
sina din dreapta

Superelevation diagram
M=1:1000 - 0.1 x h

NOTE:

1. This plan was prepared based on the following data:
   - topographic survey; geotechnical study; technical expertise; data collected on the site;
2. In order to make the gallery, the following works will be carried-out:
   - Excavation pit from top to floor and supporting the slopes with shotcrete and micropiles, drilling of drainage openings
   - Fitting of base foundation on the bottom
   - Construct of the gallery, waterproofing of the visible concrete areas
   - Cover the gallery
   - Mounting of the handrails
   - Recultivation of the upper slope
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 prestressed concrete, indicative NE 012-2007;
   - Practice code for the execution of the precast elements made of concrete, reinforced concrete and prestressed 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.

0BSERVATE:

1. Pe toate suprafetele din beton in contact cu pamantul se vor apica 2 straturi de emulsie din bitum filerizat.
2. Protectia betonata a albie se va executa cu rosturi conform C.S.

ATTENTON:

1. All concrete surfaces in contact with soil will be coated with 2 bituminous layers.
2. The concrete protection of the riverbed will be executed with joints according with technical specifications.

NOTA:

Pentru trasarea lucrarilor se vor folosi ca repere in plan axele liniilor c.f. iar ca repere de nivel cota NSS(Pr.).

NOTA:

For setting out the works, the axes of the railway lines will be utilized as reference marks in plan and the NSS(Dsg.)(top of the rail).

Layout plan	M 1:1000	PO 1.1
Cross Section 523+625	M. 1:100	PO 1.3
Cross Section 523+650	M. 1:100	PO 1.4
Regular Cross section gallery, building pit: H = 22,5 to 26 m	M. 1:50	POC 1
Regular Cross section gallery with niche, building pit: H = 26 to 30 m	M. 1:50	POC 2
Details	M. 1:10	POD 1

Verificator / Expert Checker / Expert	Cerinta Requirement	Semnatura Signature	Referat / Expertiza Report / Expertise

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER: PÖYRY

			Data Date	Semnatura Signature
Aprobat Approved	Sef de echipa Team leader	C. Teodorescu	06/2013	
Verificat Checked	Expert Cheie Key Expert	M. Diegmann	06/2013	
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	J. Werfling	06/2013	
Proiectat Designed	Inginer Engineer	D. Ciotarnel	06/2013	

"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h" Tronsonul 2: km 614-Gurasada
"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 :km 614-Gurasada

Project 9i 35311.1

Denumire desen / Drawing name:

LONGITUDINAL SECTION GALLERY
km 523+425 - km 523+675

Scara / Scale	Cod desen / Drawing Code	Nr / No
1:1000	PO 1.2	PO 1