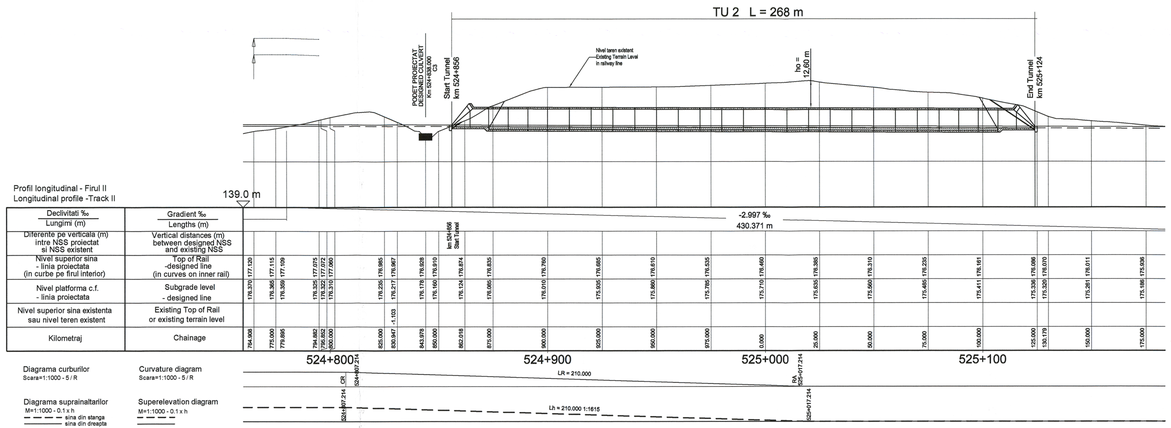
Longitudinal Section TU 2

M=1:1000



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 tunnel, the following works will be carried-out:
   - Cutting and supporting the portal area.
   - Excavation and supporting the tunnel by mining method
   - Construct the inner lining and the portals, waterproofing of the visible concrete areas
   - Cover the portal
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, indicativeC56-85
   - 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.

OBSERVATE:

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	TU 2.1
Cross Section km 524+900	M 1:100	TU 2.3
Cross Section km 525+000	M 1:100	TU 2.4
Cross Section km 525+100	M 1:100	TU 2.5
Regular Cross section CS1, d=60cm, R=5,80m	M. 1:50	CS 1
Regular Cross section CS2, d=40cm, R=5,80m	M. 1:50	CS 2
Portals	M. 1:50	CS 3
Details	M. 1:10	TUD 1
Excavation class 4.1	M. 1:250	EC 1
Excavation class 4.2	M. 1:250	EC 2
Excavation class 4.3	M. 1:250	EC 3
Excavation class 4.4	M. 1:250	EC 4
Excavation class 6.1	M. 1:250	EC 5
Excavation class 6.2	M. 1:250	EC 6
Excavation class 6.3	M. 1:250	EC 7
Excavation class 6.4	M. 1:250	EC 8
Excavation class 6.5	M. 1:250	EC 9

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

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NATIONALĂ 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 Chaie 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 TU 2
km 524+856 - km 525+124

Scara / Scale	Cod desen / Drawing Code	Nr / No
1:1000	TU 2.2	TU 2