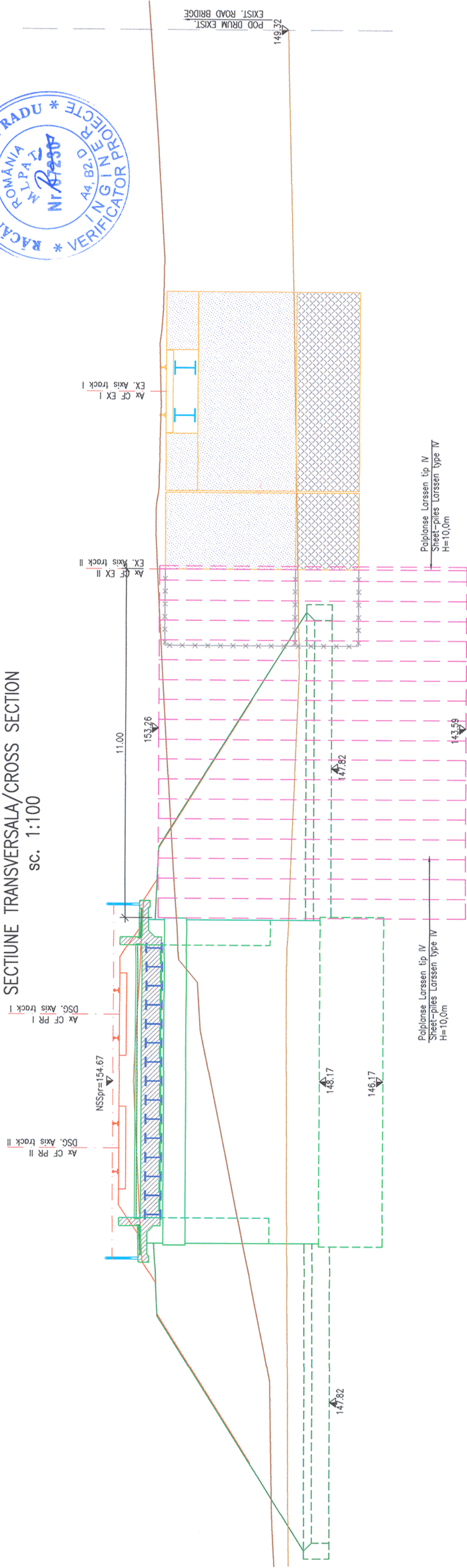


SECTIUNE TRANSVERSALA/CROSS SECTION
SC. 1:100



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



Verificator / Expert Checker / Expert	Cerinta Requirement	Semnatura Signature	Referat / Expertiza Report / Expertise
		MINISTERUL TRANSPORTURILOR	
BENEFICIAR / BENEFICIARY :		COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA	



PROIECTANT / DESIGNER:		Data Date	Semnatura Signature
		01.2013	
Aprobat Approved	Sef de echipa Team leader	01.2013	

Verificat Checked	Expert Cheie Key Expert	01.2013	
Subcontractant / Subcontractor			



Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	01.2013	
Proiectat Designed	Inginer Engineer	01.2013	

"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h"		Project 9i 35311.1
"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"		Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:		TEHNOLOGIE DE EXECUTIE / EXECUTION TECHNOLOGY POD / BRIDGE KM pr. 543+983 (KM ex. 547+714)	
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Scara / Scale 1:100	Revizia / Revision 1 / 04.2013	Cod desen / Drawing Code PT.02.02.13.PO.03.04	Nr / No 04
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EXECUTION TECHNOLOGY

STAGE I: PRELIMINARY WORKS. TRAFFIC WITH NORMAL SPEED ON THE EXISTING LINES.

- Arranging the access roads and the technological platforms.
- Making the site organization.
- Executing the works for protection and/or deflection of the telecommunication installations or other types of works on the works' area.

STAGE II: EXECUTION OF NEW BRIDGE ON THE DESIGNED LOCATION, INCLUDING CONNECTIONS TO THE DOWNSTREAM EMBANKMENT. TRAFFIC WITH NORMAL SPEED ON THE EXISTING LINES.

- Executing the excavation with under the protection of sheet-piles premises for making the abutments.
- Casting the leaning concrete. The last frame of the sheet-pile premises is dismantled after reaching 80% of the leaning concrete class.
- Executing the abutments, including the wing walls.
- 2 layers of filler bitumen emulsion will be applied on the concrete surfaces that are in contact with the soil.
- Removing the propping-ups and preparing the cement stabilized ballast filling at the drain foundation level.
- Executing the waterproofing on the back of the abutments.
- Executing the drain foundation according to the details from the design.
- Executing the draining system (geo-drain, geo-textile and tube).
- Executing the superstructure type DGM (slab with built-in metallic girders) on the final bearings.
- Executing the waterproofing and its protection concrete.
- Supplementing the filling in the embankment, according to the Technical Specifications and mounting the track according to the design.
- Executing the access stairs on the downstream embankment.
- Executing the pitching on the bridge area and shaping the downstream riverbed.
- Ensuring the continuity of track circuits, the rails' electric insulation and the electric protection.

STAGE III: EXECUTING THE CONNECTION TO THE UPSTREAM EMBANKMENT. TRAFFIC CLOSURE ON THE EXISTING LINE II AND TRAFFIC WITH NORMAL SPEED ON THE EXISTING LINE I.

- Partially demolishing the abutment Curtici from under the existing line II and mounting sheet-pile propping-ups to support the existing embankment.
- Executing the cone quarter upstream towards Curtici.
- Supplementing the filling in the embankment, according to the Technical Specifications.
- Executing the pitching on the bridge area and partially shaping the upstream riverbed.
- Restoring the voltage on the contact line, opening the traffic with speed limits according to the instructions in force on the designed route, until reaching the normal traffic speed.

STAGE IV: TRAFFIC WITH NORMAL SPEED ON THE DESIGNED ROUTE.

- Continuing to demolish the bridges on the existing route and the metallic sheet-piles that support the existing embankment.
- Continuing the shape the upstream riverbed, until to the road bridge.
- Closing-down the line and the embankment from the existing route.
- Closing-down the platforms and the access from the work area.