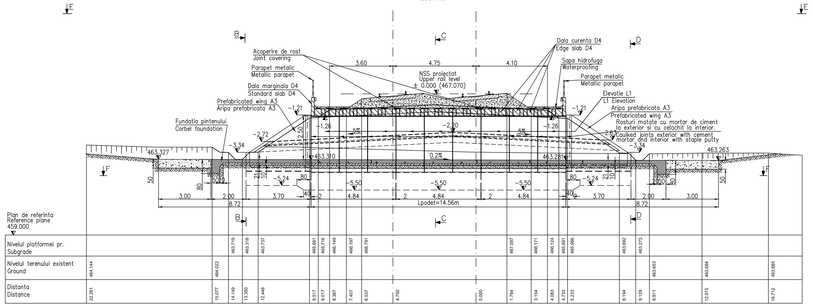
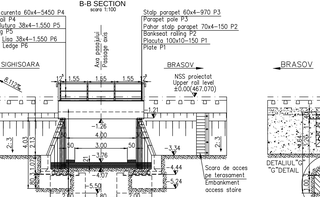
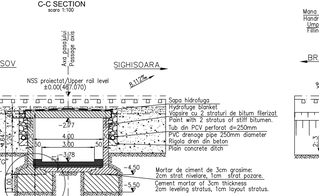
SECTIUNE LONGITUDINALA A-A
LONGITUDINAL SECTION A-A
scara 1:100



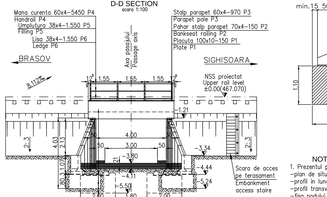
SECTIUNE B-B
B-B SECTION
scara 1:100



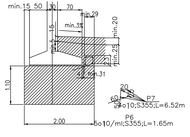
SECTIUNE C-C
C-C SECTION
scara 1:100



SECTIUNE D-D
D-D SECTION
scara 1:100



DETALIUL "G"
"G"DETAIL



NOTA:
Numar de elemente prefabricate
- Dale marginale D4 2buc.
- Dale curente D4 16buc.
- Aripi prefabricate A3 4buc.
- Elevatii L1 18buc.

NOTE
Number of precast section
- Standard slab D4 2pcs.
- Edge slab D4 16pcs.
- Prefabricated wings A3 4pcs.
- L1 elevation 18pcs.

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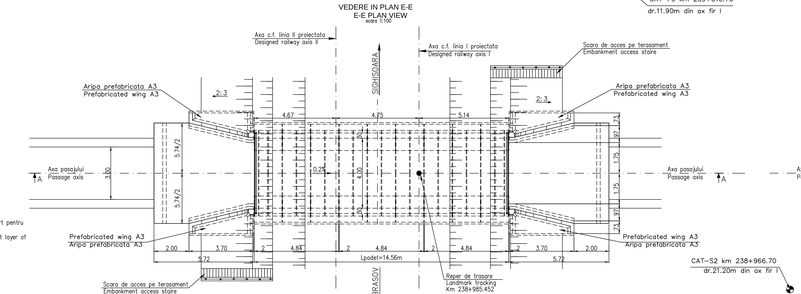
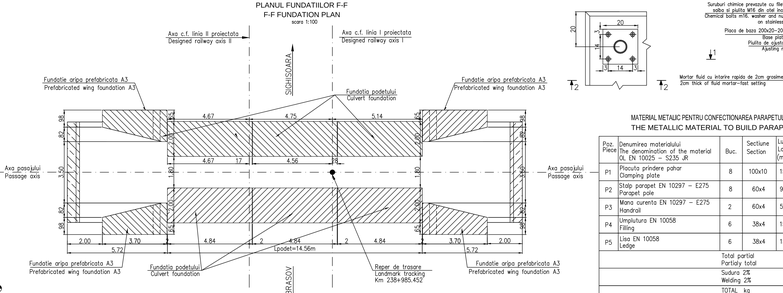
LEGENDA BETOANELOR
CONCRETE LIST

- –Beton în elemente prefabricate în general (cadre, aripi, timpane,):
  – Concrete for prefabricated elements generally(frame,wings, tympanas)
  C 35/45 – CEM II/A – S 32,5 – (XC4+XF3+XA1) – A/C = 0,50 – Dmax22 – Cl 0,20
- –Beton în fundatia podetelor, a elementelor de racordare (aripi, pinteni), în pereu.
  –Concrete for the foundations of culverts, of connecting elements (wings, breakwaters), in pitching
  C25/30–CEM II/A–S 32,5–(XF1)–A/C=0,50–Dmax32–Cl0.20
- –Beton în rigola drenurilor, fundatiile sferturilor de con si pentru realizarea stratului suport pentru pereu.
  –Concrete for the drain gutters, for the foundations of cone quarters and for the support layer of revetment:
  C 25/30 – CEM II/A – S 32,5 – (XC4+XF3+XA1) – A/C = 0,50 – Dmax32 – Cl 0,20
- –Beton în stratul de protectie a hidroizolatiei:
  –Concrete for the waterproofing protection layer:
  C 25/30 – CEM II/A – S 32,5 – (XC4+XF3) – A/C = 0,50 – Dmax16 – Cl 0,20

VEDERE IN PLAN E-E
E-E PLAN VIEW
scara 1:100



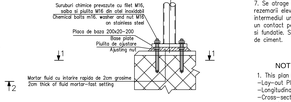
PLANUL FUNDATIILOR F-F
F-F FUNDATION PLAN
scara 1:100



DETALIU PENTRU PRINDEREA PLACUTELOR P1 DE TIMPAN
DETAIL TO JOIN THE SLABS P1 AT THE TYMPANUM

VEDERE IN PLAN 1-1
1-1 VIEW PLAN

SECTIUNE 2-2
2-2 SECTION



MATERIAL METALIC PENTRU CONFECTIONAREA PARAPETULUI PODETULUI
THE METALLIC MATERIAL TO BUILD PARAPET OF CULVERT

Poz. Piece	Denumirea materialului / The denomination of the material	Buc.	Sectiune / Section	Lung. / Long. (mm)	Sectiune/Section kg/ml	kg/buc	kg
P1	Placuta prindere pahar / Damping plate	8	100x10	150	7.85	1.18	9.44
P2	Stalp parapet EN 10297 – E275 / Parapet pole	8	60x4	970	5.52	5.36	42.88
P3	Mana curenta EN 10297 – E275 / Handrail	2	60x4	5450	5.52	30.09	60.18
P4	Umplutura EN 10058 / Filling	6	38x4	1550	3.35	5.20	32.20
P5	Lisa EN 10058 / Ledge	6	38x4	1550	3.35	5.20	32.20
	Total partial						176.90
	Partially total						
	Sudura 2% / Welding 2%						3.54
	TOTAL kg						180.44

Extras armatura / Statement reinforcing

P6	Armatura / Reinforced steel	75	⌀10	1650	0.617	1.018	76.35
P7	Armatura / Reinforced steel	12	⌀10	4960	0.617	4.022	48.264
	Total partial						124.614
	Partially total						
	Sudura 2%						2.492
	Welding 2%						
	TOTAL kg						127.106

NOTA:
1. Prezentul plan s-a intocmit pe baza urmatoarelor date:
–plan de situatie
–profil in lung
–profil transversal
–fisa podului
–calcul hidraulic
–date culese pe teren
2. Proiectul corespunde la convocalele de calcul UIC (LM71 si SW/2)
3. La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: Producerea betonului", indicativ NE 012/1–2007 si "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2–2010, ce vor verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56–1985.
4. Daca la executie se vor constata neconcordante intre situatia existenta pe teren si cea din proiect se va anunta proiectantul.
5. Constructia se incadreaza in categoria de importanta B (constructii de importanta deosebita), modelul 1 de asigurare a calitatii si clasa de importanta B, conform HG 766/1997.
6. Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.
7. Se admite in mod deosebit atentia asupra obligativitatii rezemarii elevatiilor prefabricate pe blocul de fundatie prin intermediul unui strat de mortar de ciment pentru a se realiza un contact perfect pe toata suprafata intre talpa prefabricatului si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.

NOTE:
1. This plan has been drawn up based on the following data:
–Lay-out Plan.
–Longitudinal Profile
–Cross-section Profile
–Bridge's File
–Hydraulic determination
–Field Data.
2. The culvert corresponds to the UIC determination convoys (LM71 and SW/2).
3. The execution will strictly comply with the provisions of "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete – Part 1: Practice code for concrete production" NE 012/1–2007 and "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete – Part 2: The execution of concrete works." NE 012/2–2010, and the quality and the exception of the works shall be made accordingly to Norm C 56–1985.
4. If during the execution, discrepancies are found between the existing situation on site and the situation stated in the project, the designer will be noticed.
5. The construction has been classified in B category of importance (high important constructions), model 1–ensuring the quality and class of importance B according to GD. 766/97.
6. The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.
7. Particular attention is drawn on binding prefabricated elevations
settlement on block foundation through a layer of cement mortar
to achieve a perfect contact over the entire surface between precast and foundation base.Propping is prohibited without direct layer of cement mortar.

D						
C						
B						
A	12.2011	Revizia 1		Mihai Ady-Nicolae		
Index / Index	Data / Date	Modificare / Modification/Revision		Proiectant / Designer	Aprobat Consultant / Approved Consultant	Aprobat CFR / Approved CFR

GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANĂ / EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

C.N.C.F. "C.F.R." - S.A.

CONSULTANT / CONSULTANT

			Data / Date	Semnătura / Signature
Aprobat / Approved	Şef proiect / Project manager	R. Liuzza		
Aprobat / Approved	Coordonator Secţiune 1 / Section 1 Coordinator	C. Gambelli		
Verificat / Checked	Expert Diverse / Checking Expert	V. Kalidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat / Approved	Responsabil Subconsultant / Subconsultant Responsible	A. Dinulescu Stanciu	09.2011
Elaborator / Elaborated	Proiectant / Designer	Mihai Ady-Nicolae	09.2011

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta, a coridorului IV Pan-European, pentru circulaţia în tranzitor cu viteza maximă de 160 km/h, **Tronsonul : Brasov - Sighisoara**
Rehabilitation of the railway line Brasov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, **Section : Brasov - Sighisoara**

Proiect/Project 2004/RO/16/P/PA/003

Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :

INTERVAL/SECTION CATA-ARCHITA
PODET km 238+985.452 / DISPOZITIE GENERALA
CULVERT km 238+985.452 / GENERAL LAYOUT

Codificare / Codification System															Scara / Scale 1:100; 1:5		LOT / LOT		Nr / No 01; 01
E	A	S	1	0	1	C	1	4	P	A	P	0	0	4	2	1	0	0	2	1