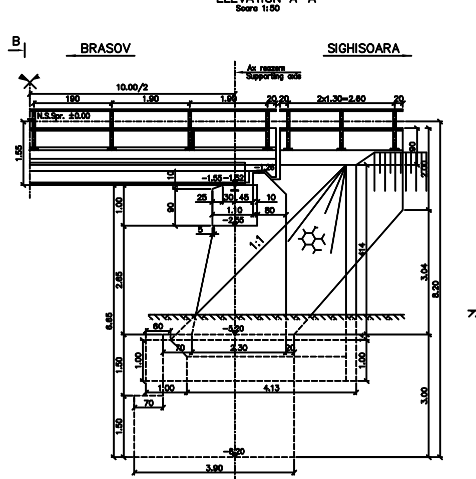
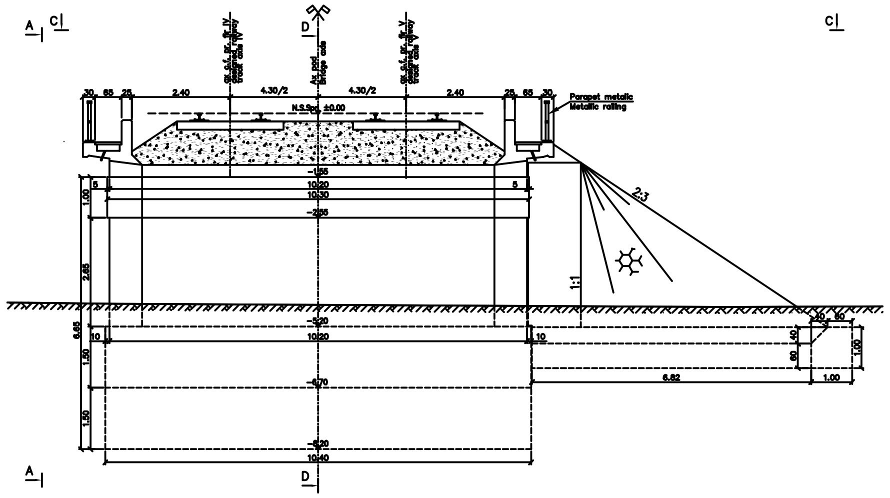
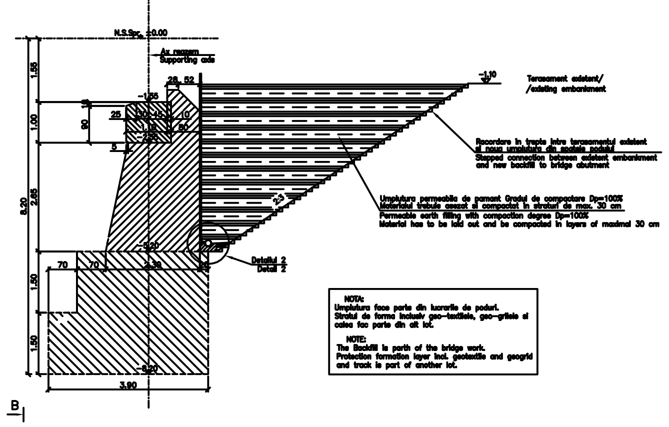
ELEVATIE A–A
ELEVATION A–A
Scara 1:50



SECTIUNE TRANSVERSALA B–B
B–B CROSS SECTION
sc. 1:50

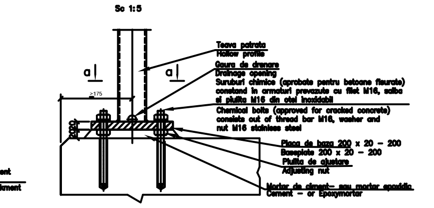


SECTIUNE TRANSVERSALA D–D
D–D CROSS SECTION
sc. 1:50

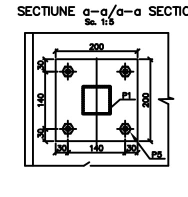


NOTA:
Umplutura face parte din lucrarile de poduri.
Stratul de forma inclusiv geo-textile, geo-grile si calea fac parte din alt lot.
NOTE:
The Backfill is parth of the bridge work.
Protection formation layer incl. geotextile and geogrid and track is part of another lot.

DETALIU "A" DE PRINDERE A PARAPETULUI
"A" DETAIL HANDRAIL FASTENING
Sc 1:5



SECTIUNE a–a/a–a SECTION
Sc. 1:5



LEGENDA BETOANELOR/CONCRETE LIST

Beton armat in cuzineti si in bancheta cuzinetilor
Reinforced concrete in the cushions and cushions bench
C 35/45–CEM I/A–S 52,5–(XC4+XF3+XA2)–A/C=0,50–D_{max}16–Cl 0,20

Beton armat in elevatie si in zidurile intoarse
Reinforced concrete in the elevation infrastructure and reverted walls
C 25/30–Ciment H II/A–S 42,5–(XC4+XF3)–A/C=0,50–D_{max}32–Cl 0,20

Beton simplu in fundatii:
Plain concrete in abutments foundations:
C 25/30–Ciment H II/A–S 42,5–(XF3)–A/C=0,50–D_{max}32–Cl 0,20

Beton in fundatia sferturilor de con
Concrete in the protection layer of the waterproofing
C 25/30–Ciment II/A–S 32,5–(XF1)–A/C=0,50–D 32–Cl 0,20

Beton in stratul de protectie al hidroizolatiei
Concrete in the protection layer of the waterproofing
C 25/30–Ciment II/A–S 32,5–(XC4+XF3)–A/C=0,50–D_{max}16–Cl 0,20

In cazul in care temperatura in timpul turnarii este scazuta, se vor folosi cimenturile cu rezistenta initiala mare, R si aditivi acceleratori, iar in cazul turnarii pe timp calduros, cimenturile cu rezistenta initiala uzuala, N si aditivi intarzietori (conf.NE 012–99 si tabelului 2 din SR EN 197–1:2002)
When the temperature during the casting is low, cements with high initial resistance, R and accelerating additives shall be used and when it is cast during warm weather, cements with common initial resistance, N and delaying additives shall be used (according the norm NE 012–99 and table 2 for the SR EN 197–1: 002).

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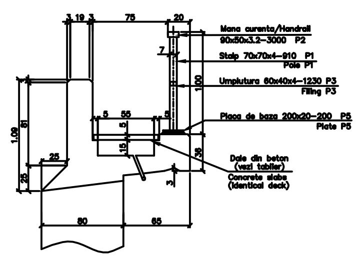
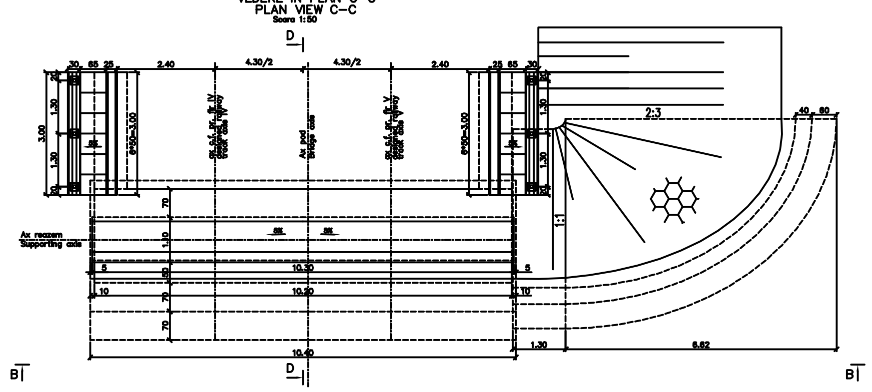
DETALIU "1"/ "1" DETAIL
Sc 1:20

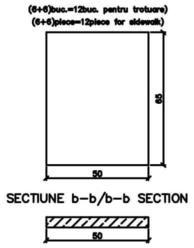


ATENTIE/ATENTION
Aprovizionarea aparatelor de reazem se va face inaintea executarii cuzinetilor si a banchetei acestora. In cazul in care inaltimea aparatelor de reazem aprovizionate difera fata de cea considerata in proiect se vor modifica inaltimile pe reazem corespunzator cu noile aparate.
The bearing blocks shall be supplied before building the bearings and their seats. In case the height of the supplied bearing blocks differs from that given in the project, the heights on the seats shall be adjusted so as to comply with the new devices.

VEDERE IN PLAN C–C
PLAN VIEW C–C
Scara 1:50

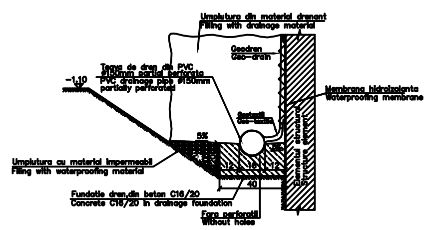


DALE PREFABRICATE DIN BETON
CONCRETE PREFAB SLABS
TIP 1/TYPE 1
Sc. 1:10
(6+6)buc.=12buc. pentru trotuare)
(6+6)piece=12piece for sidewalk)



SECTIUNE b–b/b–b SECTION

DETALIU "2"/DETAIL "2"
SISTEM DE DRENARE A APELOR DIN SPATELE CULEELOR
SYSTEM FOR DRAINAGE THE WATER FROM BEHIND THE ABUTMENTS



MASURATOAREA MATERIALULUI METALIC NECESAR PENTRU PARAPETUL CULEII
MEASUREMENT FOR THE METALLIC MATERIAL REQUIRED FOR THE FOOT ABUTMENT PATH

Poz.	Denumire	Dimensiuni	Nr. buc. oameni	Greutate S235 kg/ml	kg/buc.	Total(kg)
0	1	2	3	4	5	6
P1	Teava patrata Hollow profile	70x70x4–910	6	8.29	7.54	45.26
P2	Teava dreptunghiulara Hollow profile	90x50x3.2–3000	2	6.71	20.13	40.26
P3	Teava dreptunghiulara Hollow profile	60x40x4–1230	4	5.78	7.11	28.44
P4	Teava dreptunghiulara Hollow profile	60x40x4–215	4	5.78	1.25	5.00
P5	Placa de baza Plate	200x20–200	6	31.40	6.28	37.68
	Suruburi M16 Bolts M16	ϕ16–130	24	–	0.231	5.55
	Piulite M16 Nuts M16	–	48	–	0.031	1.50
	Saibe Washers	–	24	–	0.011	0.30
	Total partial					164.00
	Spor 3% pt. sudura					5.00
	TOTAL (kg)					169.00

NOTA:
1. Prezentul plan s–a intocmit in conformitate cu dispozitia generala.
2. Executia partilor superioare ale cuzinetilor, amplasate deasupra banchetei cuzinetilor, se va face numai dupa procurarea aparatelor de reazem. Nivelele superioare ale cuzinetilor se vor stabili dupa procurarea aparatelor de reazem, in functie de inaltimile fiecarui tip de aparat. Executia zidurilor intoarse si a zidului de garda se va face dupa asezarea tablierului pe reazeme.
3. Podul corespunde la convoaiele de calcul UIC(LM 71 si SW/2).
4. 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, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56–1985.
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.

NOTE:
1. This plan has been drawn up according to the general disposition.
2. The upper parts of the bearing placed over the bearing seat shall be built only after the procurement of the bearing blocks. the upper level of the bearings shall be established after the procurement of the bearing blocks depending on the height of the each bearing block type.
The reverted walls and the guard wall shall be carried out after putting the desk on the supports.
3. The bridge corresponds to the UIC determination convoys (LM71 and SW/2).
4. 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 reception of the works shall be made accordingly to Norm C 56–1985.
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 G.O. 766/97.
6. The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.

Index	Data / Date	Modificare / Modification/Revision	Proiectant / Designer	Aprobat Consultant / Approved Consultant	Aprobat CFR / Approved CFR
D					
C					
B					
A	11.2011	Revizia 1 / 1 Revision	Mihai Ady Nicolae		

GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT
PROIECT FINANTAT DE UNIUNEA EUROPEANA / EUROPEAN UNION FINANCED PROJECT

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

CONSULTANT / CONSULTANT
Joint Venture leader
OBERMEYER PLANEN + BERATEN GmbH
TECNIC Consulting Engineers

			Data / Date	Semnatura / Signature
Aprobat / Approved	Sef proiect / Project manager	R.Iluzza		——
Aprobat / Approved	Coordonator Sectiune 1 / Section 1 Coordinator	C. Gambell		——
Verificat / Checked	Expert Verificare / Checking Expert	V. Kallidromitis		——

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat / Approved	Responsabil Subconsultant / Subconsultant Responsible	A. Dinulescu Standu	08.2011	——
Intocmit / Elaborated	Proiectant / Designer	Mihai Ady Nicolae	08.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxima 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. / P.Th

Denumire desen / Drawing Title :
STATIA FELDIOARA / STATION FELDIOARA
POD Km.192+526.157 L=10.00m/PLAN COFRAJ CULEI
BRIDGE Km.192+526.157 L=10.00m/ABUTMENTS FORMWORK PLANS

Codificare / Codification System | Scara / Scale 1:20; 1:5; 1:10; 1:50 | LOT / LOT | Nr. / No 01 / 01

EA51 | 01 | E | 07 | BB | PV | 00 | 7 | 2 | 005 | 1