Beton: Concrete:	– C30/37 suprastructura/superstructure
Tipul grinzilor: Beams type:	– grinzi metalice sudate/steel welded girders
Otel pentru grinzi: Steel for the beams:	– (OL 37-EP) $S275J_3G_3$ (EN 10025/2004)
Armatura: Reinforcement:	– S355; S345
Strat de acoperire: Concrete cover	– min. 4cm expunere in aer/air exposed

EXTRAS DE ARMATURA STNB PENTRU O CULEE DE CALE FERATA
TABLE FOR REINFORCEMENTS STNB FOR SINGLE ABUTMENT

TIP/TYPE	TIP ARMATURA TYEPE REINFOCEMENT	Nr. BUC. No. PIECE	kg/m	m/buc. m/piece	kg
TIP 1 TYPE 1	STNB 6 G.Q.283	18	0.222	6.15	25.00
				TOTAL	25.00kg

TOTAL POD (2 CULEI): 2 x 25kg=50kg
TOTAL BRIDGE (2 ABUTMENTS): 2 x 25kg=50kg

NOTA/NOTE

Pentru mentinerea pozitiei corecte in timpul betonarii, se vor monta distantieri minim 4buc./m^2.
Distantierii trebuie legati cu sarma de carcasa de armatura.

In order to maintain the correct position during concreting, minimum 4pcs./m^2 distance pieces shall be mounted.
The distance pieces shall be connected to the reinforcing framework, using wire.

EXTRAS DE ARMATURA PENTRU O CULEE
TABLE FOR REINFORCEMENTS FOR SINGLE ABUTMENT

				S355			S345
Marca	Diametru	Lung. / [m]	Nr. buc	10	12	14	16
1	10	3.80	64	243.20			
2	10	4.75	80	380.00			
3	12	1.00	60		60.00		
4	10	1.45	60	87.00			
5	10	1.40	60	84.00			
6	10	2.10	60	126.00			
6a	10	1.20	4	4.80			
7	12	10.15	56		568.40		
8	16	10.25	5				51.25
9	14	10.25	20			205.00	
10	12	10.25	24		246.00		
11	10	1.10	132	145.20			
12	16	1.35	89				120.15
12a	16	1.40	63				88.20
13	12	5.85	63		368.55		
13a	12	4.05	63		255.15		
13b	12	2.25	12		27.00		
14	12	1.55	40		62.00		
15	12	2.05	40		82.00		
16	12	3.10	16		49.60		
16a	14	3.60	4			14.40	
16b	14	4.20	6			25.20	
17	14	4.60	24			110.40	
17a	14	9.00	4			36.00	
17b	14	3.10	4			12.40	
18	12	0.90	40		36.00		
18a	12	2.45	38		93.10		
18b	12	2.30	18		41.40		
19	14	3.75	10			37.50	
20	14	2.80	54			151.20	
20a	14	3.95	12			47.40	
20b	14	3.80	44			167.20	
21	14	7.40	12			88.80	
22	14	3.45	40			138.00	
22a	14	6.00	8			48.00	
23	14	3.65	40			146.00	
23a	14	4.80	8			38.40	
24	14	1.45	12			17.40	
25	10	0.80	420	336.00			
26	14	1.70	8			13.60	
27	12	3.90	10		39.00		
27a	12	1.90	10		19.00		
Lungimi totale pe diametre (m)				1406.20	1947.20	1296.90	259.60
Masa pe metru liniar (kg/ml)				0.617	0.888	1.208	1.578
Masa pe diametre (Kg)				867.63	1729.11	1566.66	409.65
Masa pe tip de otel (Kg)				4163.39			409.65
Masa totala tablier (Kg)				4573.04			
Spor 5%				228.65			
				TOTAL 4850 Kg			

TOTAL POD (2 CULEI): 2 x 4850kg=9700.00kg
TOTAL BRIDGE (2 ABUTMENTS): 2 x 4850kg=9700.00kg

Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
D					
C					
B					
A					

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EURO
EUROPEAN UNION FINANCED PR

CLIENT / CLIENT

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

ITALFERR GRUPPO FERROVIE DELLO STATO Joint Venture leader
Scott Wilson
OBERMEYER PLANEN + BERATEN GmbH
TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza	02.2012	
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C. Gambelli	02.2012	
Verificat Checked	Expert Chele Checking Expert	V. Kallidromitis	02.2012	

SUBCONTRACTANT / SUBCONTRACTOR

AREX Lider COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu	02.2012	
Întocmit Elaborated	Proiectant Designer	Mihai Ady Nicolae	02.2012	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h,
Tronsonul : Braşov - Sighişoara
Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Braşov - Sighişoara

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

Faza / Phase: D.E. / E.D.

Denumire desen / Drawing Title :

POD Km.196+107.230 L=12.00m/PLAN ARMARE CULEI
BRIDGE Km.196+107.230 D=12.00m/ABUTMENTS REINFORCEMENT PLAN

Codificare / Codification System	Scara / Scale 1:20	LOT / LOT	Nr. / No 01 / 01

EA51 01 E 08 BC PV 01 0 2 006 0

594x2720