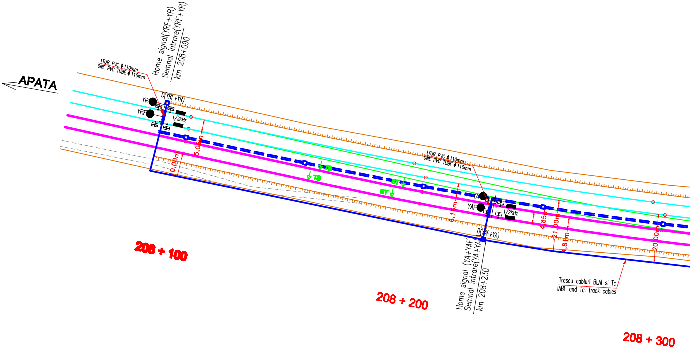
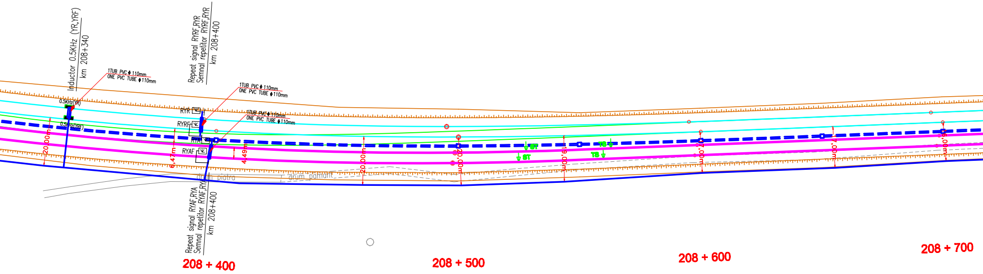
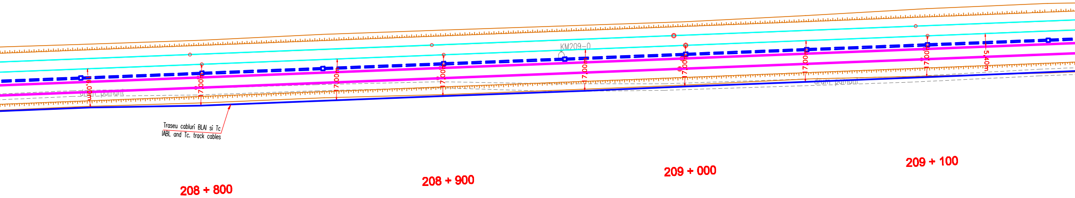
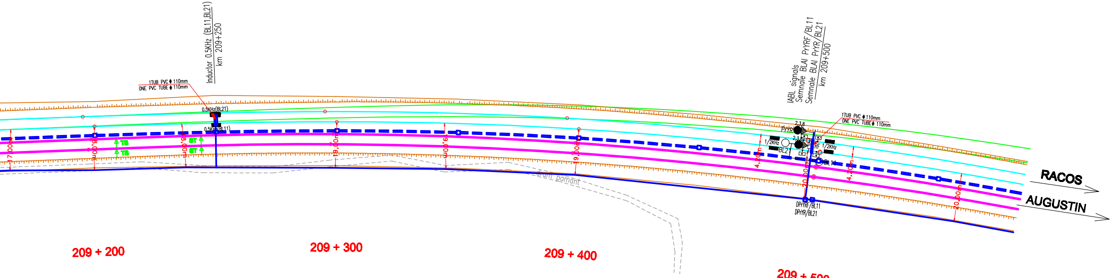

APATA
1TUB PVC ϕ110mm
ONE PVC TUBE ϕ110mm
Home signal(YRF+YR)
Semnal intrare(YRF+YR)
km 208+090
D(YRF+YR)
YR
YRF
1/2KHz
5,06m
0,00m
TS
TS
ST
ST
1TUB PVC ϕ110mm
ONE PVC TUBE ϕ110mm
YA
YAF
1/2KHz
6,16m
4,85m
21,00m
4,81m
20,00m
D(YAF+YA)
Home signal (YA+YAF)
Semnal intrare(YA+YAF)
km 208+230
Traseu cabluri BLAI si Tc
IABL and Tc. track cables
208 + 100
208 + 200
208 + 300


Inductor 0.5KHz (YR,YRF)
km 208+340
1TUB PVC ϕ 110mm
ONE PVC TUBE ϕ110mm
0.5KHz(YR)
0.5KHz(YRF)
Repeat signal RYRF,RYR
Semnal repetitor RYRF,RYR
km 208+400
1TUB PVC ϕ 110mm
ONE PVC TUBE ϕ110mm
1TUB PVC ϕ 110mm
ONE PVC TUBE ϕ110mm
RYR
RYRF
RYA
RYAF
20,00m
6,47m
4,49m
drum piatra
drum pamant
20,00m
20,00m
ST
ST
19,00m
TS
TS
17,00m
17,00m
16,00m
Repeat signal RYAF,RYA
Semnal repetitor RYAF,RYA
km 208+400
208 + 400
208 + 500
208 + 600
208 + 700


KM209-0
16,00m
17,00m
17,00m
17,00m
17,00m
17,00m
17,00m
17,00m
17,00m
5,40m
drum pamant
drum pamant
Traseu cabluri BLAI si Tc
IABL and Tc. track cables
208 + 800
208 + 900
209 + 000
209 + 100


Inductor 0.5KHz (BL11,BL21)
km 209+250
1TUB PVC ɸ 110mm
ONE PVC TUBE ɸ 110mm
0.5KHz(BL21)
0.5KHz(BL11)
TS
TS
ST
ST
17,00m
18,00m
18,00m
19,00m
19,00m
19,00m
IABL signals
Semnale BLAI PrYRF/BL11
Semnale BLAI PrYR/BL21
km 209+500
1TUB PVC ɸ 110mm
ONE PVC TUBE ɸ 110mm
2,3,8
PrYR
2,3,8
1/2KHz
BL21
PrYRF
1/2KHz
BL11
4,20m
20,00m
4,20m
20,00m
DPrYRF/BL11
DPrYR/BL21
drum pamant
RACOS
AUGUSTIN
209 + 200
209 + 300
209 + 400
209 + 500

LEGENDA LEGEND

Simbol pentru semnal BLA
Symbol for ABL signal

3
8
Simbol pentru indicator de viteza
Symbol for speed indicator

Semnal avertizare rutiera cu sau fara bariera
Warning signal on the level crossing with or without barriers

Semnal repetitor
Repeater signal for ABL

Semnal de avarie la trecere la nivel
Level crossing damage signal

0.5Khz
Inductor cale 500Hz
INDUSI beacon

1/2Khz
Inductor cale 1000/2000Hz
INDUSI beacon

Bobine de joantă
Joint coils

Cablu BLA proiectat in sapatura
Projected ABL cable in ditch

Cablu BLA proiectat in tuburi PVC
Projected ABL cable in PVC pipes

Cablu BLA proiectat in canal
Projected ABL cable in duct

Bobina de joanta–cap alimentare
Impedance bond–supply end

Bobina de joanta–cap receptie
Impedance bond–receiving end

Joante izolante
Insulated joints

Dulap semnal
Signal cabin

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

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

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	Sef proiect Project manager	R. Liuzza	12.2011	
Aprobat Approved	Coordonator Sectiune 1 Section 1 Coordinator	C. Gambelli	12.2011	
Verificat Checked	Expert Cheie Key Expert	P. Amodio	12.2011	

SUBCONTRACTANT / SUBCONTRACTOR

AREX
COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Stanciu - Dinulescu	12.2011	
Întocmit Elaborated	Proiectant Designer	Marius Haliuță	12.2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia 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:
P.Th. / T.D.

Denumire desen / Drawing Title :

Statia / Station Apata
Plan de situaţie - Interval Apata-Racos
Layout - Apata-Racos Section
Instalatii BLAI / IABL Installations
km 208+090 - km 209+550

Codificare / Codification System	Scara / Scale 1:1000	LOT / LOT	Nr. / No 01 / 04

E A 5 1   0 1   C   1 0   L 7   S E   0 1   0   2   0 0 2   1

(1900x297)