

LOTUL 5 – SEMNALIZARI

BORDEROU

PROIECT TEHNIC

PARTI DESENATE

VOLUMUL IV - a

PROIECT TEHNIC			
GENERALE			
1.	Arhitectura rețelei de semnalizare, GSM-R și supraveghere video Signaling, GSM-R and video survive network architecture		
2.	Arhitectura Controller Terminal System Controller Terminal System architecture	PT.00.05.00.SM.001	01 / 01
3.	Arhitectura sistemului de supraveghere video Video surveillance system architecture	PT.00.05.00.SM.002	01 / 01
4.	Arhitectura sistemului GSM-R GSM-R architecture	PT.00.05.00.SM.003	01 / 01
		PT.00.05.00.SM.004	01 / 01
Statia BARZAVA			
1.	Schita cu semnalizarea - Statia BARZAVA / BARZAVA Station - Signalling sketch drawing		
2.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 554+100 - Km 555+800	PT.02.05.10.SM.001	01 / 01
3.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 555+800 - Km 556+700	PT.02.05.10.SM.002	01 / 21
4.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan	PT.02.05.10.SM.003	02 / 21
		PT.02.05.10.SM.004	03 / 21

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA - PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENIURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bârzava – cap Y Ilteu)

LOTUL 5 – SEMNALIZARI

		PROIECT TEHNIC	
	Km 556+700 - Km 557+800		
5.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 557+800 - Km 558+900	PT.02.05.10.SM.005	04 / 21
6.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 558+900 - Km 560+000	PT.02.05.10.SM.006	05 / 21
7.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 560+000 - Km 561+200	PT.02.05.10.SM.007	06 / 21
8.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 561+200 - Km 562+400	PT.02.05.10.SM.008	07 / 21
9.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 562+400 - Km 563+600	PT.02.05.10.SM.009	08 / 21
10.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 563+600 - Km 564+900	PT.02.05.10.SM.010	09 / 21
11.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 564+900 - Km 566+000	PT.02.05.10.SM.011	10 / 21
12.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 565+900 - Km 566+900	PT.02.05.10.SM.012	11 / 21
13.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 566+900 - Km 568+000	PT.02.05.10.SM.013	12 / 21
14.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 568+000 - Km 569+400	PT.02.05.10.SM.014	13 / 21
15.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 569+300 - Km 570+400	PT.02.05.10.SM.015	14 / 21
16.	Plan de Situatie - Statia BARZAVA /	PT.02.05.10.SM.016	15 / 21

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA, PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bârzava – cap Y Ilteu)

LOTUL 5 – SEMNALIZARI

		PROJECT TEHNIC	
	BARZAVA Station - Layout Plan Km 570+400 - Km 571+600		
17.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 571+600 - Km 573+100	PT.02.05.10.SM.017	16 / 21
18.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 573+000 - Km 574+100	PT.02.05.10.SM.018	17 / 21
19.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 574+100 - Km 575+700	PT.02.05.10.SM.019	18 / 21
20.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 575+700 - Km 577+100	PT.02.05.10.SM.020	19 / 21
21.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 577+100 - Km 578+500	PT.02.05.10.SM.021	20 / 21
22.	Plan de Situatie - Statia BARZAVA / BARZAVA Station - Layout Plan Km 578+400 - Km 579+800	PT.02.05.10.SM.022	21 / 21
23.	Plan bifilar de izolare - Statia BARZAVA / BARZAVA Station - Track circuits plan	PT.02.05.10.SM.023	01 / 01
24.	Plan cablaj electromecanisme de macaz - Statia BARZAVA / BARZAVA Station - Cable sketch for point machines	PT.02.05.10.SM.024	01 - 06
25.	Plan cablaj circuite de cale - Statia BARZAVA / BARZAVA Station - Cable sketch for track circuits	PT.02.05.10.SM.025	01 - 11
26.	Plan cablaj semnale - Statia BARZAVA / BARZAVA Station - Cable sketch for signals	PT.02.05.10.SM.026	01 - 18
27.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 553+400 - km 556+400	PT.02.05.10.SM.036	01 / 13
28.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 556 - km 558+900	PT.02.05.10.SM.037	02 / 13
29.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA /	PT.02.05.10.SM.038	03 / 13

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA , PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bârzava – cap Y Iltiu)

LOTUL 5 – SEMNALIZARI

PROIECT TEHNIC

	BARZAVA Station - Layout plan aerial cable with OF for signalling km 558+900 - km 560+200		
30.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 560+100 - km 563+400	PT.02.05.10.SM.039	04 / 13
31.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 563+400 - km 566+200	PT.02.05.10.SM.040	05 / 13
32.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 567+000 - km 569+300	PT.02.05.10.SM.041	06 / 13
33.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 569+100 - km 570+500	PT.02.05.10.SM.042	07 / 13
34.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 570+500 - km 571+900	PT.02.05.10.SM.043	08 / 13
35.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 571+900 - km 573+300	PT.02.05.10.SM.044	09 / 13
36.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 573+300 - km 574+700	PT.02.05.10.SM.045	10 / 13
37.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 574+800 - km 576+200	PT.02.05.10.SM.046	11 / 13
38.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 576+200 - km 577+700	PT.02.05.10.SM.047	12 / 13
39.	Plan de situatie cablu FO aerian pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan aerial cable with OF for signalling km 577+700 - km 579+100	PT.02.05.10.SM.048	13 / 13
40.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 554+100 - Km 555+800	PT.02.05.10.SM.049	01 / 21

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA, PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bărzava – cap Y Ilteu)

LOTUL 5 – SEMNALIZARI

		PROIECT TEHNIC	
		PT.02.05.10.SM.050	02 / 21
41.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 555+800 - Km 556+700		
42.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 556+700 - Km 557+800	PT.02.05.10.SM.051	03 / 21
43.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 557+800 - Km 558+900	PT.02.05.10.SM.052	04 / 21
44.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 558+900 - Km 560+000	PT.02.05.10.SM.053	05 / 21
45.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 560+000 - Km 561+200	PT.02.05.10.SM.054	06 / 21
46.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 561+200 - Km 562+400	PT.02.05.10.SM.055	07 / 21
47.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 562+400 - Km 563+600	PT.02.05.10.SM.056	08 / 21
48.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 563+600 - Km 564+900	PT.02.05.10.SM.057	09 / 21
49.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 564+900 - Km 566+000	PT.02.05.10.SM.058	10 / 21
50.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 565+900 - Km 566+900	PT.02.05.10.SM.059	11 / 21
51.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 566+900 - Km 568+000	PT.02.05.10.SM.060	12 / 21
52.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling	PT.02.05.10.SM.061	13 / 21

LOTUL 5 – SEMNALIZARI

		PROIECT TEHNIC	
	Km 568+000 - Km 569+400		
53.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 569+300 - Km 570+400	PT.02.05.10.SM.062	14 / 21
54.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 570+400 - Km 571+600	PT.02.05.10.SM.063	15 / 21
55.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 571+600 - Km 573+100	PT.02.05.10.SM.064	16 / 21
56.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 573+000 - Km 574+100	PT.02.05.10.SM.065	17 / 21
57.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 574+100 - Km 575+700	PT.02.05.10.SM.066	18 / 21
58.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 575+700 - Km 577+100	PT.02.05.10.SM.067	19 / 21
59.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 577+100 - Km 578+500	PT.02.05.10.SM.068	20 / 21
60.	Plan de situatie cablu FO subteran pentru semnalizari - Statia BARZAVA / BARZAVA Station - Layout plan underground cable with OF for signalling Km 578+400 - Km 579+800	PT.02.05.10.SM.069	21 / 21
61.	Schema electrica generala a containerului de semnalizări - statia BARZAVA / BARZAVA station - General electric sketch signaling container	PT.02.05.10.SM.070	01 / 01
62.	Plan cladire - container semnalizari si GSM-R - interior statia BARZAVA / BARZAVA station - Signaling & GSM-R inside shelter Layout plan	PT.02.05.10.SM.071	01 / 01
63.	Plan cladire - container semnalizari si GSM-R - exterior statia BARZAVA / BARZAVA station - Signaling & GSM-R outside shelter Layout plan	PT.02.05.10.SM.072	01 / 01
64.	Schita ETCS - Statia BARZAVA / BARZAVA Station - ETCS sketch	PT.02.05.10.SM.073	01 / 01
65.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan	PT.02.05.10.SM.083	01 / 12

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA , PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bârzava – cap Y Iltcu)

LOTUL 5 – SEMNALIZARI

		PROIECT TEHNIC	
	Km 564+900 - Km 566+000		
66.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 565+900 - Km 566+900	PT.02.05.10.SM.084	02 / 12
67.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 568+700 - Km 570+379 (km vechi)	PT.02.05.10.SM.085	03 / 12
68.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 570+379 - Km 572+600 (km vechi)	PT.02.05.10.SM.086	04 / 12
69.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 569+300 - Km 570+400	PT.02.05.10.SM.087	05 / 12
70.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 570+400 - Km 571+600	PT.02.05.10.SM.088	06 / 12
71.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 571+600 - Km 573+100	PT.02.05.10.SM.089	07 / 12
72.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 573+000 - Km 574+100	PT.02.05.10.SM.090	08 / 12
73.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 574+100 - Km 575+700	PT.02.05.10.SM.091	09 / 12
74.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 575+700 - Km 577+100	PT.02.05.10.SM.092	10 / 12
75.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 577+100 - Km 578+500	PT.02.05.10.SM.093	11 / 12
76.	Plan demontare - Statia BARZAVA / BARZAVA Station - Disassembly plan Km 578+400 - Km 579+800	PT.02.05.10.SM.094	12 / 12
77.	Schema video generala - Statia BARZAVA /	PT.02.05.10.SM.095	01 / 01

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA, PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bărzava – cap Y Ilteu)

LOTUL 5 – SEMNALIZARI

		PROIECT TEHNIC	
	BARZAVA station - General video sketch		
78.	Schema video generala - H.M. BATA / H.M. BATA station - General video sketch	PT.02.05.10.SM.096	01 / 01
79.	Schema video generala - Zona GSM-R km 582+000 / GSM-R zone km 582+000 - General video sketch	PT.02.05.10.SM.097	01 / 01
80.	Schema video generala - Zona GSM-R km 577+000 / GSM-R zone km 577+000 - General video sketch	PT.02.05.10.SM.098	01 / 01
81.	Schema video generala - P.O. CONOP / S. P. CONOP - General video sketch	PT.02.05.10.SM.099	01 / 01
82.	Schema video generala - Zona GSM-R km 573+600 / GSM-R zone km 573+600 - General video sketch	PT.02.05.10.SM.100	01 / 01
83.	Schema video generala - Zona GSM-R km 571+400 / GSM-R zone km 571+400 - General video sketch	PT.02.05.10.SM.101	01 / 01
84.	Schema video generala - Zona GSM-R km 566+475 / GSM-R zone km 566+475 - General video sketch	PT.02.05.10.SM.102	01 / 01
85.	Schema video generala - P.O. LALASINT / S. P. LALASINT - General video sketch	PT.02.05.10.SM.103	01 / 01
86.	Schema video generala - Zona GSM-R km 560+540 / GSM-R zone km 560+540 - General video sketch	PT.02.05.10.SM.104	01 / 01
87.	Schema video generala - Zona GSM-R km 559+995 / GSM-R zone km 559+995 - General video sketch	PT.02.05.10.SM.105	01 / 01
88.	Schema electrica generala a containerului GSM-R 582+000 / 582+000 - General electric sketch GSM-R container	PT.02.05.10.SM.106	01 / 01
89.	Plan clădire - container GSM-R - interior 582+000 / 582+000 - GSM-R inside shelter Layout plan	PT.02.05.10.SM.107	01 / 01
90.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR 582+000 582+000 Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.108	01 / 01
91.	Schema electrica generala a containerului GSM-R 577+500 / 577+500 - General electric sketch GSM-R container	PT.02.05.10.SM.109	01 / 01
92.	Plan clădire - container GSM-R - interior 577+500 / 577+500 - GSM-R inside shelter Layout plan	PT.02.05.10.SM.110	01 / 01
93.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR 577+500 Lay-out 608+000 GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.111	01 / 01
94.	Schema electrica generala a containerului GSM-R P.O. CONOP / P.O. CONOP - General electric sketch GSM-R container	PT.02.05.10.SM.112	01 / 01

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA , PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bârzava – cap Y Iltcu)

LOTUL 5 – SEMNALIZARI

PROIECT TEHNIC

95.	Plan clădire - container GSM-R - interior P.O. CONOP / P.O. CONOP - GSM-R inside shelter Layout plan	PT.02.05.10.SM.113	01 / 01
96.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR P.O. CONOP P.O. CONOP Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.114	01 / 01
97.	Schema electrica generala a containerului GSM-R 573+600 / 573+600 - General electric sketch GSM-R container	PT.02.05.10.SM.115	01 / 01
98.	Plan clădire - container GSM-R - interior 573+600 / 573+600 - GSM-R inside shelter Layout plan	PT.02.05.10.SM.116	01 / 01
99.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR 573+600 573+600 Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.117	01 / 01
100.	Schema electrica generala a containerului GSM-R 566+475 / 566+475 - General electric sketch GSM-R container	PT.02.05.10.SM.118	01 / 01
101.	Plan clădire - container GSM-R - interior 566+475 / 566+475 - GSM-R inside shelter Layout plan	PT.02.05.10.SM.119	01 / 01
102.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR 566+475 566+475 Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.120	01 / 01
103.	Schema electrica generala a containerului GSM-R P.O. LALASINT / P.O. LALASINT - General electric sketch GSM-R container	PT.02.05.10.SM.121	01 / 01
104.	Plan clădire - container GSM-R - interior P.O. LALASINT / P.O. LALASINT - GSM-R inside shelter Layout plan	PT.02.05.10.SM.122	01 / 01
105.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR P.O. LALASINT P.O. LALASINT Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.123	01 / 01
106.	Schema electrica generala a containerului GSM-R 560+540 (tunnel) / 560+540 (tunnel) - General electric sketch GSM-R container	PT.02.05.10.SM.124	01 / 01
107.	Plan clădire - container GSM-R - interior 560+540 (tunnel) / 560+540 (tunnel) - GSM-R inside shelter Layout plan	PT.02.05.10.SM.125	01 / 01
108.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR 560+540(tunnel) 560+540(tunnel) Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.126	01 / 01
109.	Schema electrica generala a containerului GSM-R 559+955 (tunnel) / 559+955 (tunnel) - General electric sketch GSM-R container	PT.02.05.10.SM.127	01 / 01
110.	Plan clădire - container GSM-R - interior 559+955 (tunnel) / 559+955 (tunnel) - GSM-R inside shelter Layout plan	PT.02.05.10.SM.128	01 / 01
111.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR 559+955(tunnel) 559+955(tunnel) Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.129	01 / 01
112.	Schema electrica generala a containerului de semnalizări - H.M. BATA /	PT.02.05.10.SM.130	01 / 01

REABILITAREA LINIEI C.F. FRONTIERĂ - CURTICI - SIMERIA , PARTE COMPONENTĂ A CORIDORULUI IV
PAN EUROPEAN PENTRU CIRCULAȚIA TRENURILOR CU VITEZĂ MAXIMĂ DE 160 KM/H
TRONSONUL 2-B: (cap Y Bârzava – cap Y Iltcu)

LOTUL 5 – SEMNALIZARI

		PROIECT TEHNIC	
	H.M. BATA - General electric sketch signaling container		
113.	Plan clădire - container semnalizari si GSM-R - interior H.M. BATA / H.M. BATA - Signaling & GSM-R inside shelter Layout plan	PT.02.05.10.SM.131	01 / 01
114.	Plan clădire - container semnalizari si GSM-R - exterior H.M. BATA / H.M. BATA - Signaling & GSM-R outside shelter Layout plan	PT.02.05.10.SM.132	01 / 01
115.	Schema electrica generala a containerului GSM-R 556+700 / 556+700 - General electric sketch GSM-R container	PT.02.05.10.SM.133	01 / 01
116.	Plan clădire - container GSM-R - interior 556+700 / 556+700 - GSM-R inside shelter Layout plan	PT.02.05.10.SM.134	01 / 01
117.	Plan CLĂDIREA-CONTAINER Instalații GSM-R- EXTERIOR 556+700 556+700 Lay-out GSM-R SHELTER-EXTERNAL	PT.02.05.10.SM.135	01 / 01

Intocmit,
Ing. Aurel SOPOV

