



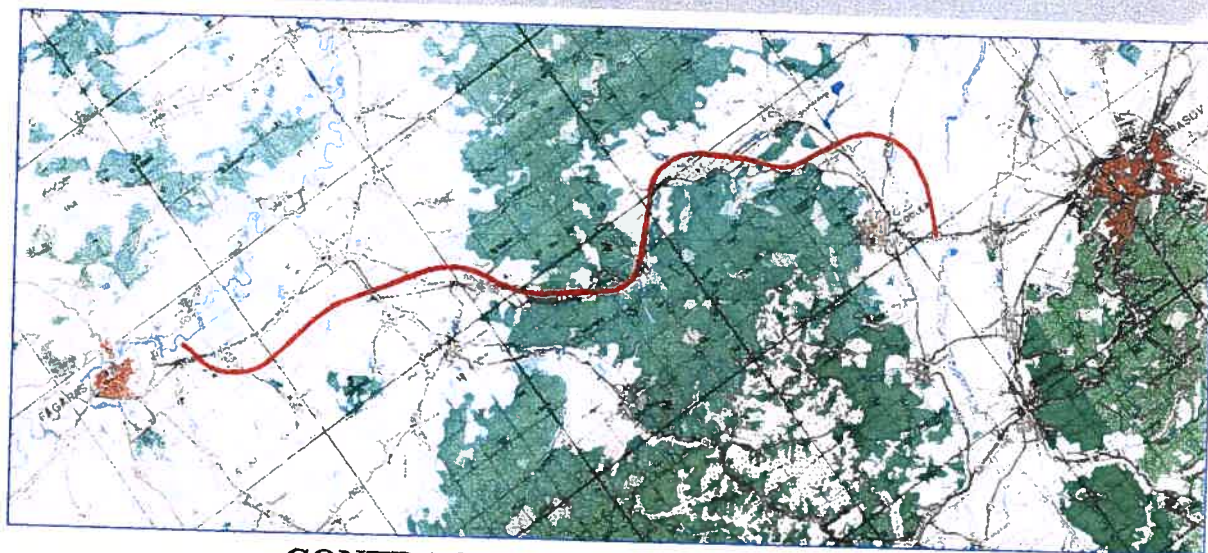
INVESTITOR:  
MINISTERUL TRANSPORTURILOR  
MINISTRY OF TRANSPORTS



ACHIZITOR / CLIENT:  
COMPANIA NATIONALA DE AUTOSTRAZI  
SI DRUMURI NATIONALE DIN ROMANIA  
ROMANIAN NATIONAL COMPANY OF  
MOTORWAYS AND NATIONAL ROADS

**SERVICII DE PROIECTARE SI ASISTENTA TEHNICA  
PENTRU SECTIUNEA 1A  
CRISTIAN – FAGARAS A AUTOSTRAZII TRANSILVANIA,  
BRASOV – CLUJ – BORS**

**DESIGN SERVICES AND TECHNICAL ASSISTANCE FOR  
SUBSECTION 1A  
CRISTIAN – FAGARAS OF MOTORWAY TRANSILVANIA,  
BRASOV – CLUJ – BORS**



CONTRACT Nr. 21 593 / 25.10.2007

**VOL. 3.2. LISTE DE CANTITATI - CONFIDENTIAL  
CHAPTER 3.2. BILL OF QUANTITIES - CONFIDENTIAL**

POYRY Infra GmbH

S.C. CONSILIER CONSTRUCT S.R.L.



**DEVIZ GENERAL** conform H.G. 1179/24.10.2002  
Privind cheltuielile necesare realizării "AUTOSTRADA BRASOV - TARGU MURES KM 0+000 - KM 48+500"

Nr crt	Denumirea capitolelor si subcapitolelor de cheltuieli	Valoare (inclusiv TVA)			
		Total		Din care supusa procedurii de achizitie publica	
		RON	EURO	RON	EURO
1	2	3	4	5	6
<b>PARTEA I-a</b>					
<b>CAPITOLUL 1</b>					
Cheltuieli pentru obtinerea si amenajarea terenului					
1.1	Obtinerea terenului				
1.2	Amenajarea terenului	111,655,982	30,802,500	111,655,982	30,802,500
1.3	Amenajari pentru protectia mediului	39,873,90	11,000,00	39,873,90	11,000,00
	<b>Subtotal Capitol 1</b>	<b>97,872,30</b>	<b>27,000,00</b>	<b>97,872,30</b>	<b>27,000,00</b>
		<b>111,793,728,45</b>	<b>30,840,500,00</b>	<b>111,793,728,45</b>	<b>30,840,500,00</b>
<b>CAPITOLUL 2</b>					
Cheltuieli pentru asigurarea utilitatilor necesare obiectivului					
2.1	Canalizare, alimentare cu gaze naturale, energie electrica, telefonie, radio-tv, etc.				
2.2	Drumuri de acces, cai ferate industriale	38,281,235	10,560,632	38,281,235	10,560,632
	<b>Subtotal Capitol 2</b>	<b>38,281,235</b>	<b>10,560,632</b>	<b>38,281,235</b>	<b>10,560,632</b>
		<b>38,281,235</b>	<b>10,560,632</b>	<b>38,281,235</b>	<b>10,560,632</b>
<b>CAPITOLUL 3</b>					
Cheltuieli pentru proiectare si asistenta tehnica					
3.1	Studii de teren				
	geologice, topografice, hidrologice	345,090,48	95,200,00		
3.2	Obtinerea de avize, acorduri si autorizatii	345,090,48	95,200,00		
3.3	Proiectare si engineering	233,806,05	64,500,00		
	3.3.1 Studiu de fezabilitate	12,129,632,99	3,346,197,96		
	3.3.2 Proiect tehnic, Caiete de sarcini	4,702,201,79	1,297,194,90		
	3.3.3 Detalii de executie	4,113,564,07	1,134,807,60		
	3.3.4 Verificarea tehnica a proiectului	2,938,876,29	810,746,86		
	3.3.5 Asistenta tehnica din partea proiectantului	68,873,10	19,000,00		
3.4	Organizarea procedurilor de achizitie publica	306,117,73	84,448,60		
	3.4.1 Cheltuieli aferente intocmirii documentatiei pentru elaborarea si prezentarea ofertei; cheltuieli pentru multiplicarea documentatiei	172,907,73	47,700,00		
	3.4.2 Onorariile, transportul, cazarea si diurna membrilor desemnati in comisiile de evaluare	97,872,30	27,000,00		
	3.4.3 Anunturi de intentie, de participare, de atribuire	68,873,10	19,000,00		
3.5	Consultanta	6,162,33	1,700,00		
3.6	Asistenta tehnica	3,552,402,00	980,000,00		
	inspectori de santier desemnati de autoritatea contractanta	1,217,966,40	336,000,00		
	<b>Subtotal Capitol 3</b>	<b>17,651,805,65</b>	<b>4,669,597,96</b>		

1	2	3	4	5	6
<b>CAPITOLUL 4</b>					
Cheltuieli pentru investitia de baza					
4.1	Constructii si instalatii				
4.1.1	AUTOSTRADA BRASOV-TG MURES KM 0+000 - KM 48+500	1,835,769,947.79	506,433,266.51	1,835,769,947.79	506,433,266.51
4.1.2	CONSOLIDARI SI PROTECTII TALUZE	911,065,412.59	251,335,323.07	911,065,412.59	251,335,323.07
4.1.3	LUCRARI DRUM NOD CODLEA KM 0+000	82,630,067.05	22,795,130.09	82,630,067.05	22,795,130.09
4.1.4	LUCRARI DRUM NOD FAGARAS KM 47+325	20,403,328.95	5,628,659.81	20,403,328.95	5,628,659.81
4.1.5	PODURI,PASAJE SI VIADUCTE	27,660,443.85	7,630,677.77	27,660,443.85	7,630,677.77
4.1.6	BAZA DE SPRIJIN PT INTRETINERE KM 6+350	665,116,600.04	183,485,503.06	665,116,600.04	183,485,503.06
4.1.7	PARCARE KM 6+350	13,950,623.39	3,848,554.00	13,950,623.39	3,848,554.00
4.1.8	CENTRU DE INTRETINERE SI COORDONARE	3,191,028.47	880,308.00	3,191,028.47	880,308.00
4.1.9	INTERSECTII DENIVELATE FARA ACCES LA AUTOSTRADA	27,901,246.79	7,697,108.00	27,901,246.79	7,697,108.00
4.1.10	LUCRARI PENTRU PROTECTIA MEDIULUI	60,398,547.79	16,662,128.00	60,398,547.79	16,662,128.00
4.2	Montaj utilaj tehnologic	23,452,648.87	6,469,874.72	23,452,648.87	6,469,874.72
4.3	Utilaje, echipamente tehnologice si functionale cu montaj				
4.4	Utilaje fara montaj si echipamente de transport				
4.5	Dotari				
Subtotal Capitol 4		1,835,769,947.79	506,433,266.51	1,835,769,947.79	506,433,266.51
<b>CAPITOLUL 5</b>					
Alte cheltuieli					
5.1	Organizare de santier				
5.1.1	lucrari de constructii si inst(2.0%) din C+M	56,225,667.87	15,510,956.96	56,225,667.87	15,510,956.96
5.1.2	cheltuieli conexe organizarii santierului	56,225,667.87	15,510,956.96	56,225,667.87	15,510,956.96
5.2	Comisioane, taxe, cote legale, costuri de finantare:				
5.2.1	Comision, taxe si cote legale	33,514,388.88	9,245,603.71		
5.2.1.1	Comisionul bancii finantatoare - (0, 5%) din valoarea de investitie	33,514,388.88	9,245,603.71		
5.2.1.2	Cota aferenta Casei Sociale a Constructorilor (0,5%) din valoarea de C+M	10,884,738.77	3,002,769.39		
5.2.1.3	Cota pentru ICCLC-(0,1%+0,7%) din valoarea de C+M	9,652,072.98	2,662,714.28		
5.2.2	Costul creditului	12,977,577.12	3,580,120.04		
5.3	Cheltuieli diverse si neprevazute: 5% din [Cap1.2+Cap1.3+Cap.2+Cap.3+Cap.4]	94,592,036.73	26,095,074.82		
Subtotal Capitol 5		184,332,093.47	50,851,635.49	56,225,667.87	15,510,956.96
<b>CAPITOLUL 6</b>					
Cheltuieli pentru darea in exploatare					
6.1	Pregatirea personalului de exploatare	1,051.22	290.00		
6.2	Probe tehnologice				
Subtotal Capitol 6		2,631.68	726.00		
<b>TOTAL</b>		3,682.90	1,016.00		
din care: C + M (Cap.1.2 + Cap.1.3 + Cap.2 + Cap.4.1 + Cap.4.2 + Cap.5.1.1)		2,187,832,493.19	603,556,647.96	2,042,070,579.04	563,345,355.47
din care: C + M		1,930,414,596.79	532,542,855.47	1,930,414,596.79	532,542,855.47
<b>PARTEA a-II-a</b>					
Valoarea ramasa actualizata a mijloacelor fixe existente incluse in cadrul obiectivului de investitie					
<b>PARTEA a-III-a</b>					
Fondul de rulment necesar pentru primul ciclu de productie					
<b>TOTAL GENERAL</b>		2,187,832,493.19	603,556,647.96	2,042,070,579.04	563,345,355.47
Din care C+M		1,930,414,596.79	532,542,855.47	1,930,414,596.79	532,542,855.47

Curs de schimb al BNR la data de 05.02.2008

3.6249 RON/EURO

Director Proiectare,  
Ing. Tiberiu GOMBOS

Sef Proiect,  
Ing. Victor URDEA

Intocmit,  
Ing. Victor DRAGOMIR

Proiectant:  
S.C. CONSILIER CONSTRUCT SRL

Faza : S.F.  
Beneficiar : CNADNR - DRDP - BRASOV

### DEVIZ OBIECT NR.1

privind obiectivul "AUTOSTRADA BRASOV - TARGU MURES SECTOR 1A BRASOV - FAGARAS KM 0+000 - KM 48+500"

Nr crt	Denumire	Valoarea pe categorii de lucrari, fara TVA	
		EURO	RON
0	1	2	3
<b>I - LUCRARI DE CONSTRUCTII SI INSTALATII</b>			
1	Terasamente	-	-
2	Constructii: rezistenta (fundatii,structura de rezistenta) si arhitectura (inchideri exterioare, compartimentari, finisaje)	-	-
<b>AUTOSTRADA BRASOV - TARGU MURES</b>		<b>211,206,153.84</b>	<b>765,601,187.05</b>
2.1.1.	1.TERASAMENTE	60,421,336.00	219,021,300.87
2.1.2.	2.CONOLIDARE TEREN FUNDARE DRUM	26,137,671.70	94,746,446.15
2.1.3.	3.PARTE CAROSABILA,INCLUSIV BANDA DE STATIONARE	120,501,774.74	436,806,883.26
2.1.4.	4.BANDA MEDIANA	4,145,371.40	15,026,556.79
3	Izolatii	-	-
4	Instalatii electrice	-	-
5	Instalatii sanitare	-	-
6	Instalatii de incalzire, ventilare,climatizare,PSI, radio-tv, internet	-	-
7	Instalatii de alimentare cu gaze naturale	-	-
8	Instalatii de telecomunicatii	-	-
<b>TOTAL I ( FARA TVA )</b>		<b>211,206,153.84</b>	<b>765,601,187.05</b>
<b>TVA ( 19% )</b>		<b>40,129,169.23</b>	<b>145,464,225.54</b>
<b>TOTAL I ( CU TVA )</b>		<b>251,335,323.07</b>	<b>911,065,412.59</b>
<b>II - MONTAJ</b>			
1	Montaj utilaje si echipamente tehnologice	-	-
<b>TOTAL II ( FARA TVA )</b>		-	-
<b>TVA ( 19% )</b>		-	-
<b>TOTAL II ( CU TVA )</b>		-	-
<b>III - PROCURARE</b>			
1	Utilaje si echipamente tehnologice	-	-
2	Utilaje si echipamente de transport	-	-
3	Dotari	-	-
<b>TOTAL III ( fara TVA )</b>		-	-
<b>TVA ( 19% )</b>		-	-
<b>TOTAL III ( cu TVA )</b>		-	-
<b>TOTAL ( TOTAL I + TOTAL II + TOTAL III FARA TVA )</b>		<b>211,206,153.84</b>	<b>765,601,187.05</b>
<b>TVA ( 19% )</b>		<b>40,129,169.23</b>	<b>145,464,225.54</b>
<b>TOTAL DEVIZ PE OBIECT nr.1 ( CU TVA )</b>		<b>251,335,323.07</b>	<b>911,065,412.59</b>

Curs de schimb BNR - euro la data de 05.02.2008

3.6249 RON / EURO

Sef Proiect,  
Ing.Victor URDEA

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Ref. Alexandru POPA

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Obiectul:	AUTOSTRADA KM 0+000 - KM 4,8+500	

### LISTA DE CANTITATI NR 1

Nr crt	Cod art.	DESCRIEREA LUCRARII	UM	1 EURO =		RON (05.02.2008)		Pret total (RON)
				Cantitate	Pret unitar (EURO)	Pret unitar (RON)	Pret total (EURO)	
0	1	2	3	4	5	6	7	8
		<b>1.TERASAMENTE</b>						
1	5A8	Decaparea pamantului vegetal	m3	946,000.00	2.70	2,554,200.00	9.79	9,258,719.58
2	5A4	Defrisarea suprafetelor impadurite cu iufisuri si arbusti	m2	825,000.00	2.82	2,328,500.00	10.22	8,433,329.85
3	5A9B	Sapatura de pamant la deblee in teren mediu	m3	3,900,000.00	4.52	17,628,000.00	16.38	63,899,737.20
4	5A24A	Imbracarea taluzurilor cu pamant vegetal avand inaltimea	m3	2,500,000.00	5.98	14,950,000.00	21.68	54,192,255.00
5	5A16A	Umplutura de pamant provenit din debieu	m3	2,500,000.00	5.16	12,900,000.00	18.70	46,761,210.00
6	5C22C15	Podete noi din elemente pref., lumina=2,00m, h=2.80m,	m	1,600.00	1,481.00	2,369,600.00	5,368.48	8,589,563.04
7	5C22C11	Podet dalat nou L=3.0 m,H=2.4m,Bp=11.32m	m	320.00	1,931.00	617,920.00	6,999.68	2,239,898.21
	A1	New culvert L=3.0 m,H=2.4m,Bp=11.32m						
8	5C22C11	Podet dalat nou L=4.0 m,H=2.4m,Bp=11.52m	m	320.00	2,647.00	847,040.00	9,595.11	3,070,435.30
	B1	New culvert L=4.0 m,H=2.4m,Bp=11.52m						
9	5C22C11	Podet dalat nou L=5.0 m,H=2.4m,Bp=11.52m	m	320.00	3,398.00	1,087,360.00	12,317.41	3,941,571.26
	B2	New culvert L=5.0 m,H=2.4m,Bp=11.52m						
10	5A41	Casiuri pe taluz	m	2,600.00	112.11	291,486.00	406.39	1,056,607.60
11	5A40	Santuri perate cu elemente pref. din beton	m	32,000.00	67.81	2,169,920.00	245.80	7,865,743.01
12	5A40	Santuri perate cu elemente pref. din beton	m	19,300.00	67.81	1,308,733.00	245.80	4,744,026.25
13	5A33B	Drenuri longitudinale sub rigole/santuri	m	19,300.00	43.15	832,795.00	156.41	3,018,798.60
14	5A38	Sant neprotejat	m	44,300.00	8.74	387,182.00	31.68	1,403,496.03
15	5A31D	Plantatii	m2	30,000.00	5.02	150,600.00	18.20	545,909.94
		<b>TOTAL 1</b>				<b>60,421,336.00</b>		<b>219,021,300.87</b>

0	1	2	3	4	5	6	7	8
		<b>2. CONSOLIDARE TEREN FUNDARE DRUM</b>						
16	5B1	Strat din balast	m3	415,000.00	29.10	12,076,500.00	105.48	43,776,104.85
17	R10	Ranfortare baza ramblee inalte cu geogriile sau geocelule	mp	83,150.00	15.89	1,321,253.50	57.60	4,789,411.81
18	R11	Imbunatatirea terenului de fundare cu coloane din balast	m	22,890.00	36.29	830,678.10	131.55	3,011,125.04
19	R12	Imbunatatirea terenului de fundare cu coloane din nisip-	m	310,710.00	24.03	7,468,361.30	87.11	27,064,813.08
20	R13B	Imbunatatirea terenului de fundare cu injectii de ciment-	m	49,880.00	35.71	1,781,214.80	129.45	6,456,725.53
21	R14	Imbunatatirea terenului de fundare cu micropiloi din beton	m	54,000.00	36.13	1,951,020.00	130.97	7,072,252.40
22	R15	Imbunatatirea terenului de fundare prin compactare dinamica	mp	229,240.00	3.10	710,844.00	11.24	2,576,013.44
		<b>TOTAL 2</b>				<b>26,137,871.70</b>		<b>84,746,446.15</b>
		<b>3.PARTE CAROSABILA,INCLUSIV BANDA DE</b>						
23	5B17D	Strat de uzura din beton asfaltic executat la cald, 4 cm	m2	1,150,138.00	9.48	10,903,308.24	34.36	39,523,402.04
24	5B15A	Strat de legatură din beton asfaltic deschis (BAD25) executat	t	165,729.00	74.43	12,335,209.47	269.80	44,713,900.81
25	5B14A	Strat de bază din mixtură asfaltică ( anrobat bituminos )	t	487,242.00	71.05	34,618,544.10	257.55	125,488,760.51
26	5B4	Strat din piatra sparta	m3	446,010.00	37.80	16,859,178.00	137.02	61,112,834.33
27	5B1	Strat din balast	m3	457,248.00	29.10	13,305,916.80	105.48	48,232,617.81
28	5B9	Strat din agregate naturale stabilizate cu 4- 6% ciment	m3	311,082.00	50.75	15,787,411.50	183.96	57,227,787.95
29	5B10	Strat de forma din pamant tratat cu var	m3	327,783.00	11.51	3,772,782.33	41.72	13,675,958.67
30	5B13C1	Amorsarea suprafezelor cu emulsiile cationice cu rupere rapida	m2	3,799,645.00	0.33	1,253,882.85	1.20	4,545,199.94
31	5C4B	Parapet metallic semigreu cu lisa simpla, amplasat pe ziduri	m	55,600.00	83.21	4,626,476.00	301.83	16,770,512.85
32	5C5A	Parapet metallic greu (cu lisa compusa) amplasat pe rambieu	m	46,100.00	42.46	1,957,406.00	153.91	7,095,401.01
33	2C16D	Parapet metallic direcional tip foarte greu pe suprastructura	m	64,700.00	59.18	3,828,946.00	214.52	13,879,546.36
34	5A36A	Rigola de acostament pavata cu elemente pref. din beton	m	21,000.00	36.41	764,610.00	131.98	2,771,634.79
35	5C15	Marcaje rutiere cu vopsea	km echiv	240.00	2,017.08	484,099.20	7,311.71	1,754,811.19
36	5C14A	Panouri indicatoare pentru circulatia rutiera	buc	95.00	42.15	4,004.25	152.79	14,515.01
		<b>TOTAL 3</b>				<b>120,501,774.74</b>		<b>436,806,883.26</b>
		<b>4.BANDA MEDIANA</b>						
37	R16	Banda mediana L=3m	km	40.40	67,636.00	2,732,494.40	245,173.74	9,905,018.95
38	R17	Zona mediana (locuri de intoarcere, inclusiv parapetele) L=3m	buc	15.00	28,078.00	421,170.00	101,779.94	1,526,699.13
39	R18	Element prefabricat de sant fara dren - in zona mediana	m	13,500.00	31.83	429,705.00	115.38	1,557,637.65
40	R20	Element prefabricat de sant cu dren - in zona mediana	m	7,200.00	54.39	391,608.00	197.16	1,419,539.84
41	5C9B	Ecran antitorbire	m	4,200.00	40.57	170,394.00	147.06	617,661.21
		<b>TOTAL 4</b>				<b>4,145,371.40</b>		<b>15,026,566.79</b>
		<b>TOTAL GENERAL</b>				<b>211,206,153.84</b>		<b>765,601,187.05</b>

Sef Proiect,  
Ing. Victor URDEA

Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Ref. Alexandru POPA

Proiectant:  
S.C. CONSILIER CONSTRUCT SRL

Faza : S.F.  
Beneficiar : CNADNR - DRDP - BRASOV

## DEVIZ OBIECT NR.2

privind obiectivul "AUTOSTRADA BRASOV - TARGU MURES SECTOR 1A BRASOV - FAGARAS KM 0+000 - KM 48+500"

Nr. crt	Denumire	Valoarea pe categorii de lucrari, fara TVA	
		EURO	RON
0	1	2	3
<b>I - LUCRARI DE CONSTRUCTII SI INSTALATII</b>			
1	Terasamente	-	-
2	Constructii: rezistenta (fundatii, structura de rezistenta) si arhitectura (inchideri exterioare, compartimentari, finisaje)	-	-
<b>AUTOSTRADA BRASOV - TARGU MURES</b>			
2.1.1.	CONSOLIDARI SI PROTECTII TALUZE	19,155,571.50	69,437,031.13
3	Izolatii	19,155,571.50	69,437,031.13
4	Instalatii electrice	-	-
5	Instalatii sanitare	-	-
6	Instalatii de incalzire, ventilare, climatizare, PSI, radio-tv, internet	-	-
7	Instalatii de alimentare cu gaze naturale	-	-
8	Instalatii de telecomunicatii	-	-
<b>TOTAL I (FARA TVA)</b>		<b>19,155,571.50</b>	<b>69,437,031.13</b>
<b>TVA ( 19% )</b>		<b>3,639,558.59</b>	<b>13,193,035.91</b>
<b>TOTAL I (CU TVA)</b>		<b>22,795,130.09</b>	<b>82,630,067.05</b>
<b>II - MONTAJ</b>			
1	Montaj utilaje si echipamente tehnologice	-	-
<b>TOTAL II ( FARA TVA )</b>		<b>-</b>	<b>-</b>
<b>TVA ( 19% )</b>		<b>-</b>	<b>-</b>
<b>TOTAL II ( CU TVA )</b>		<b>-</b>	<b>-</b>
<b>III - PROCURARE</b>			
1	Utilaje si echipamente tehnologice	-	-
2	Utilaje si echipamente de transport	-	-
3	Dotari	-	-
<b>TOTAL III ( fara TVA )</b>		<b>-</b>	<b>-</b>
<b>TVA ( 19% )</b>		<b>-</b>	<b>-</b>
<b>TOTAL III ( cu TVA )</b>		<b>-</b>	<b>-</b>
<b>TOTAL ( TOTAL I + TOTAL II + TOTAL III FARA TVA )</b>		<b>19,155,571.50</b>	<b>69,437,031.13</b>
<b>TVA ( 19% )</b>		<b>3,639,558.59</b>	<b>13,193,035.91</b>
<b>TOTAL DEVIZ PE OBIECT nr.2 ( CU TVA )</b>		<b>22,795,130.09</b>	<b>82,630,067.05</b>

Curs de schimb BNR - euro la data de 05.02.2008

3.6249 RON / EURO

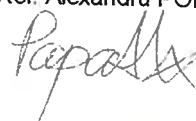
Sef Proiect,  
Ing. Victor URDEA



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Ref. Alexandru POPA



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Obiectul:	AUTOSTRADA KM 0+000 - KM 0+1500 : 481500	

### LISTA DE CANTITATI NR 2

Nr crt	Cod art.	DESCRIEREA LUCRARII	UM	1 EURO =		RON (05.02.2008)		Pret total (RON)
				Cantitate	Pret unitar (EURO)	Pret total (EURO)	Pret unitar (RON)	
0	1	2	3	4	5	6	7	8
		<b>1.CONOLIDARI SI PROTECTII TALUZE</b>						
1		Drenarea de suprafata a taluzurilor de debleu	mc	7,710.00	31.83	245,409.30	115.38	889,584.17
2		Drenuri forate orizontale	m3	8,775.00	37.80	331,695.00	137.02	1,202,361.21
3		Dren ranfort din balast	m3	2,520.00	24.40	61,488.00	88.45	222,887.85
4	3B1B	Zid de sprijin de debleu din beton	m	2,000.00	709.32	1,418,640.00	2,571.21	5,142,428.14
5		Zid de sprijin din beton cu fundatie pe coloane	m3	24,000.00	161.84	3,884,160.00	586.65	14,079,691.58
6		Zid de sprijin din coloane forate	m	27,000.00	241.44	6,518,880.00	875.20	23,630,288.11
7		Placi ancorate	mp	5,400.00	172.45	931,230.00	625.11	3,375,615.63
4	6A12B	Pământ armat cu geogrila	mc	117,200.00	38.52	4,514,544.00	139.63	16,384,770.55
9		Protectie taluz cu plase torcetate	mp	4,410.00	31.83	140,370.30	115.38	508,828.30
10		Protectie taluz cu geocelule	mp	26,230.00	6.63	173,904.90	24.03	630,387.87
11		Protectie taluz cu georetele-rambleu	mp	180,000.00	4.35	783,000.00	15.77	2,638,296.70
12		Protectie taluz cu georetele-debleu	mp	35,000.00	4.35	152,250.00	15.77	551,891.03
		<b>TOTAL GENERAL</b>				<b>19,155,571.50</b>		<b>69,437,031.13</b>

Sef Proiect,  
Ing. Victor URDEA

Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Ref. Alexandru POPA



Proiectant:  
S.C. CONSILIER CONSTRUCT SRL

Faza : S.F.  
Beneficiar : CNADNR - DRDP - BRASOV

### DEVIZ OBIECT

privind obiectivul "AUTOSTRADA BRASOV - TARGU MURES SECTOR 1B FAGARAS - SIGHISOARA KM 48+500 - KM 101+000"

Nr crt	Denumire	Valoarea pe categorii de lucrari, fara TVA	
		EURO	RON
0	1	2	3
<b>I - LUCRARI DE CONSTRUCTII SI INSTALATII</b>			
1	Terasamente	-	-
2	Constructii: rezistenta (fundatii, structura de rezistenta) si arhitectura (inchideri exterioare, compartimentari, finisaje)	-	-
<b>LUCRARI DRUM NOD FAGARAS KM 47+325</b>		<b>6,412,334.26</b>	<b>23,244,070.45</b>
2.1.1.	1.TERASAMENTE	2,315,562.00	8,393,680.69
2.1.2.	2.CONOLIDARE TEREN FUNDARE DRUM	46,560.00	168,775.34
2.1.3.	3.PARTE CAROSABILA, INCLUSIV BANDA DE STATIONARE	3,524,266.76	12,775,114.57
2.1.4.	4.ILUMINAT ELECTRIC	525,945.50	1,906,499.84
3	Izolatii	-	-
4	Instalatii electrice	-	-
5	Instalatii sanitare	-	-
6	Instalatii de incalzire, ventilare, climatizare, PSI, radio-tv, internet	-	-
7	Instalatii de alimentare cu gaze naturale	-	-
8	Instalatii de telecomunicatii	-	-
<b>TOTAL I ( FARA TVA )</b>		<b>6,412,334.26</b>	<b>23,244,070.45</b>
<b>TVA ( 19% )</b>		<b>1,218,343.51</b>	<b>4,416,373.39</b>
<b>TOTAL I ( CU TVA )</b>		<b>7,630,677.77</b>	<b>27,660,443.84</b>
<b>II - MONTAJ</b>			
1	Montaj utilaje si echipamente tehnologice	-	-
<b>TOTAL II ( FARA TVA )</b>		-	-
<b>TVA ( 19% )</b>		-	-
<b>TOTAL II ( CU TVA )</b>		-	-
<b>III - PROCURARE</b>			
1	Utilaje si echipamente tehnologice	-	-
2	Utilaje si echipamente de transport	-	-
3	Dotari	-	-
<b>TOTAL III ( fara TVA )</b>		-	-
<b>TVA ( 19% )</b>		-	-
<b>TOTAL III ( cu TVA )</b>		-	-
<b>TOTAL ( TOTAL I + TOTAL II + TOTAL III FARA TVA )</b>		<b>6,412,334.26</b>	<b>23,244,070.45</b>
<b>TVA ( 19% )</b>		<b>1,218,343.51</b>	<b>4,416,373.39</b>
<b>TOTAL DEVIZ PE OBIECT ( CU TVA )</b>		<b>7,630,677.77</b>	<b>27,660,443.84</b>

Curs de schimb BNR - euro la data de 05.02.2008

3.6249 RON / EURO

Sef Proiect,  
Ing. Victor URDEA

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Ref. Alexandru POPA

Investitia:	<b>AUTOSTRADA BRASOV - TARGU MURES</b>	Faza: S.F.
Obiectul:	<b>LUCRARI DRUM NOD FAGARAS KM 47+325</b>	

### LISTA DE CANTITATI

Nr crt	Cod art.	DESCRIEREA LUCRARIII	UM	1 EURO = 3.6249		RON (05.02.2008)		
				Cantitate	Pret unitar (EURO)	Pret total (EURO)	Pret unitar (RON)	Pret total (RON)
0	1	2	3	4	5	6	7	8
		<b>1.TERASAMENTE</b>						
1	5A8	Decaparea pamantului vegetal	m3	22,000.00	2.70	59,400.00	9.79	215,319.06
2	5A4	Defrisarea suprafetelor impadurite cu tufisuri si arbusti	m2	100.00	2.82	282.00	10.22	1,022.22
3	5A9B	Sapatura de pamant la deblee in teren mediu	m3	147,000.00	4.52	664,440.00	16.38	2,408,528.56
4	5A24A	Imbracarea taluzurilor cu pamant vegetal avand inaltimea	m3	98,200.00	5.98	587,236.00	21.68	2,128,671.78
5	5A16A	Umplutura de pamant provenit din debleu	m3	98,200.00	5.16	506,712.00	18.70	1,836,780.33
6	5C22C15	Podete noi din elemente pref., lumina=2.00m, h=2.80m,	m	120.00	1,481.00	177,720.00	5,368.48	644,217.23
7	5A41	Casiuri pe taluz	m	200.00	112.11	22,422.00	406.39	81,277.51
8	5A40	Santuri perate cu elemente pref. din beton	m	3,800.00	67.81	257,678.00	245.80	934,056.98
9	5A40	Santuri perate cu elemente pref. din beton	m	200.00	67.81	13,562.00	245.80	49,160.89
10	5A33B	Drenuri longitudinale sub rigole/santuri	m	200.00	43.15	8,630.00	156.41	31,282.89
11	5A38	Sant neprotejat	m	2,000.00	8.74	17,480.00	31.68	63,363.25
		<b>TOTAL 1</b>				<b>2,315,562.00</b>		<b>8,393,660.69</b>

0	1	2	3	4	5	6	7	8
		<b>2.CONOLIDARE TEREN FUNDARE DRUM</b>						
12	5B1	Strat din balast	m3	1,600.00	29.10	46,560.00	105.48	168,775.34
		<b>TOTAL 2</b>				<b>46,560.00</b>		<b>168,775.34</b>
		<b>3.PARTE CAROSABILA, INCLUSIV BANDA DE</b>						
13	5B17D	Strat de uzura din beton asfaltic executat la cald, 4 cm	m2	39,200.00	9.48	371,616.00	34.36	1,347,070.84
14	5B15A	Strat de legătură din beton asfaltic deschis (BAD25) executat	t	4,850.00	74.43	360,985.50	269.80	1,308,536.34
15	5B14A	Strat de bază din mixtură asfaltică ( anrobat bituminos )	t	13,900.00	71.05	987,595.00	257.55	3,579,933.12
16	5B4	Strat din piatra sparta	m3	17,700.00	37.80	669,080.00	137.02	2,425,275.59
17	5B1	Strat din balast	m3	16,600.00	29.10	483,060.00	105.48	1,751,044.19
18	5B10	Strat de forma din pamant tratat cu var	m3	14,600.00	11.51	168,046.00	41.72	609,149.95
19	5B13C1	Amorsarea suprafetelor cu emulsie cationica cu rupere rapida	m2	129,360.00	0.33	42,988.80	1.20	154,742.63
20	5B17D	Strat de uzura din beton asfaltic executat la cald, 4 cm	m2	1,600.00	9.48	15,168.00	34.36	54,982.48
21	5B15A	Strat de legătură din beton asfaltic deschis (BAD25) executat	t	198.00	74.43	14,737.14	269.80	53,420.66
22	5B14A	Strat de bază din mixtură asfaltică ( anrobat bituminos )	t	567.00	71.05	40,285.35	257.55	146,030.37
23	5B4	Strat din piatra sparta	m3	722.00	37.80	27,291.60	137.02	98,929.32
24	5B1	Strat din balast	m3	678.00	29.10	19,729.80	105.48	71,518.55
25	5B10	Strat de forma din pamant tratat cu var	m3	596.00	11.51	6,859.96	41.72	24,866.67
26	5B13C1	Amorsarea suprafetelor cu emulsie cationica cu rupere rapida	m2	5,280.00	0.33	1,742.40	1.20	6,316.03
27	5C4B	Parapet metalic semigreu cu lisa simpla, amplasat pe ziduri	m	300.00	83.21	24,963.00	301.63	90,488.38
28	5C5A	Parapet metalic greu (cu lisa compusa) amplasat pe rambleu	m	5,000.00	42.46	212,300.00	153.91	769,566.27
29	2C16D	Parapet metalic direcional tip foarte greu pe suprastructura	m	500.00	59.18	29,590.00	214.52	107,260.79
30	5A36A	Rigola de acostament pavata cu elemente pref. din beton	m	500.00	36.41	18,205.00	131.98	65,991.30
31	5C15	Marcaje rutiere cu vopsea	km echiv	7.60	2,017.08	15,329.81	7,311.71	55,569.02
32	5C14A	Panouri indicatoare pentru circulatia rutiera	buc	90.00	42.15	3,793.50	152.79	13,751.06
33	5C14A	Panouri indicatoare pentru circulatia rutiera	buc	5.00	84.30	421.50	305.58	1,527.90
34	5C14A	Panouri indicatoare pentru circulatia rutiera	buc	20.00	168.60	3,372.00	611.16	12,223.16
35		Portale	buc	2.00	3,713.20	7,426.40	13,459.98	26,919.96
		<b>TOTAL 3</b>				<b>3,524,266.76</b>		<b>12,775,114.57</b>
		<b>4.ILUMINAT ELECTRIC</b>						
37	R16	Instalatii electrice de iluminat	buc	1.00	525,945.50	525,945.50	1,906,499.84	1,906,499.84
		<b>TOTAL 4</b>				<b>525,945.50</b>		<b>1,906,499.84</b>
		<b>TOTAL GENERAL</b>				<b>6,412,334.26</b>		<b>23,244,070.45</b>

Sef Proiect,  
Ing. Victor URDEA

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Ref. Alexandru POPA

Proiectant:  
S.C. CONSILIER CONSTRUCT SRL

Faza : S.F.  
Beneficiar : CNADNR - DRDP - BRASOV

## DEVIZ OBIECT

privind obiectivul "AUTOSTRADA BRASOV - TARGU MURES SECTOR 1A BRASOV - FAGARAS KM 0+000 - KM 48+500"

Nr. crt	Denumire	Valoarea pe categorii de lucrari, fara TVA	
		EURO	RON
0	1	2	3
<b>I - LUCRARI DE CONSTRUCTII SI INSTALATII</b>			
1	Terasamente	-	-
2	Constructii: rezistenta (fundatii, structura de rezistenta) si arhitectura (inchideri exterioare, compartimentari, finisaje)	-	-
<b>LUCRARI DRUM NOD CODLEA KM 0+000</b>			
2.1.1.	1.TERASAMENTE	<b>4,729,966.23</b>	<b>17,145,654.59</b>
2.1.2.	2. CONSOLIDARE TEREN FUNDARE DRUM	1,383,005.00	5,013,254.82
2.1.3.	3.PARTE CAROSABILA, INCLUSIV BANDA DE STATIONARE	365,299.00	1,324,172.35
2.1.4.	4.ILUMINAT ELECTRIC	2,406,336.13	8,722,727.84
3	Izolatii	575,326.10	2,085,499.58
4	Instalatii electrice	-	-
5	Instalatii sanitare	-	-
6	Instalatii de incalzire, ventilare, climatizare, PSI, radio-tv, internet	-	-
7	Instalatii de alimentare cu gaze naturale	-	-
8	Instalatii de telecomunicatii	-	-
<b>TOTAL I ( FARA TVA )</b>		<b>4,729,966.23</b>	<b>17,827,242.72</b>
TVA ( 19% )		898,693.58	3,387,176.12
<b>TOTAL I ( CU TVA )</b>		<b>5,628,659.81</b>	<b>21,214,418.84</b>
<b>II - MONTAJ</b>			
1	Montaj utilaje si echipamente tehnologice	-	-
<b>TOTAL II ( FARA TVA )</b>		-	-
TVA ( 19% )		-	-
<b>TOTAL II ( CU TVA )</b>		-	-
<b>III - PROCURARE</b>			
1	Utilaje si echipamente tehnologice	-	-
2	Utilaje si echipamente de transport	-	-
3	Dotari	-	-
<b>TOTAL III ( fara TVA )</b>		-	-
TVA ( 19% )		-	-
<b>TOTAL III ( cu TVA )</b>		-	-
<b>TOTAL ( TOTAL I + TOTAL II + TOTAL III FARA TVA )</b>		<b>4,729,966.23</b>	<b>17,827,242.72</b>
TVA ( 19% )		898,693.58	3,387,176.12
<b>TOTAL DEVIZ PE OBIECT ( CU TVA )</b>		<b>5,628,659.81</b>	<b>21,214,418.84</b>

Curs de schimb BNR - euro la data de 29.01.2008

3.7690 RON / EURO

Sef Proiect,  
Ing. Victor URDEA



Verificat  
Ing. Victor DRAGOMIR



Intocmit,  
Ref. Alexandru POPA



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Obiectul:	LUCRARI DRUM NOD CODLEA KM 0+000	

### LISTA DE CANTITATI

Nr crt	Cod art.	DESCRIEREA LUCRARII	UM	1 EURO =		RON (05.02.2008)		
				Cantitate	Pret unitar (EURO)	Pret total (EURO)	Pret unitar (RON)	Pret total (RON)
0	1	2	3	4	5	6	7	8
		<b>1.TERASAMENTE</b>						
1	5A8	Decaparea pamantului vegetal	m3	25.000.00	2.70	67.500.00	9.79	244.680.75
2	5A4	Defrisarea suprafetelor impadurite cu tufisuri si arbusti	m2	100.00	2.82	282.00	10.22	1.022.22
3	5A9B	Sapatura de pamant la debles in teren mediu	m3	50.000.00	4.52	226.000.00	16.38	819.227.40
4	5A24A	Imbracarea taluzurilor cu pamant vegetal avand inaltimea	m3	55.000.00	5.98	328.900.00	21.68	1.192.229.61
5	5A16A	Umplutura de pamant provenit din debliu	m3	55.000.00	5.16	283.800.00	18.70	1.028.746.62
6	5C22C15	Podete noi din elemente pref., lumina=2,00m, h=2.80m,	m	110.00	1.481.00	162.910.00	5.368.48	590.532.46
7	5A41	Casiri pe taluz	m	300.00	112.11	33.633.00	406.39	121.916.26
8	5A40	Santuri pereate cu elemente pref. din beton	m	4.000.00	67.81	271.240.00	245.80	983.217.88
9	5A38	Sant neprotejat	m	1.000.00	8.74	8.740.00	31.68	31.681.63
		<b>TOTAL 1</b>				<b>1.383.005.00</b>		<b>5.013.254.82</b>
		<b>2.CONOLIDARE TEREN FUNDARE DRUM</b>						
10	5B1	Strat din balast	m3	5.400.00	29.10	157.140.00	105.48	569.616.79
11	R10	Ranfortare baza ramblee inalte cu geogriile sau geocelule	mp	13.100.00	15.89	208.159.00	57.60	754.555.56
		<b>TOTAL 2</b>				<b>365.299.00</b>		<b>1.324.172.35</b>

0	1	2	3	4	5	6	7	8
		<b>3.PARTE CAROSABILA,INCLUSIV BANDA DE</b>						
12	5B17D	Strat de uzura din beton asfaltic executat la cald, 4 cm	m2	21,300.00	9.48	201,924.00	34.36	731,954.31
13	5B15A	Strat de legătură din beton asfaltic deschis (BAD25) executat	t	2,550.00	74.43	189,796.50	269.80	687,993.33
14	5B14A	Strat de bază din mixtură asfaltică ( anrobat bituminos )	t	7,400.00	71.05	525,770.00	257.55	1,905,863.67
15	5B4	Strat din piatra sparta	m3	8,900.00	37.80	336,420.00	137.02	1,219,488.86
16	5B1	Strat din balast	m3	8,300.00	29.10	241,530.00	105.48	875,522.10
17	5B10	Strat de forma din pamant tratat cu var	m3	7,600.00	11.51	87,476.00	41.72	317,091.75
18	5B13C1	Amorsarea suprafetelor cu emulsie cationica cu rupere rapida	m2	70,290.00	0.33	23,195.70	1.20	84,082.09
19	5B17D	Strat de uzura din beton asfaltic executat la cald, 4 cm	m2	1,600.00	9.48	15,168.00	34.36	54,982.48
20	5B15A	Strat de legătură din beton asfaltic deschis (BAD25) executat	t	198.00	74.43	14,737.14	269.80	53,420.66
21	5B14A	Strat de bază din mixtură asfaltică ( anrobat bituminos )	t	567.00	71.05	40,285.35	257.55	146,030.37
22	5B4	Strat din piatra sparta	m3	722.00	37.80	27,291.60	137.02	98,929.32
23	5B1	Strat din balast	m3	678.00	29.10	19,729.80	105.48	71,518.55
24	5B10	Strat de forma din pamant tratat cu var	m3	596.00	11.51	6,859.96	41.72	24,866.67
25	5B13C1	Amorsarea suprafetelor cu emulsie cationica cu rupere rapida	m2	5,280.00	0.33	1,742.40	1.20	6,316.03
26	5C4B	Parapet metalic semigreu cu lisa simpla, amplasat pe ziduri de	m	300.00	83.21	24,963.00	301.63	90,488.38
27	5C5A	Parapet metalic greu (cu lisa compusa) amplasat pe rambleu	m	300.00	42.46	12,738.00	153.91	46,173.98
28	2C16D	Parapet metalic direcional tip foarte greu pe suprastructura	m	900.00	59.18	53,262.00	214.52	193,069.42
29	5A36A	Rigola de acostament pavata cu elemente pref. din beton	m	900.00	36.41	32,769.00	131.98	118,784.35
30	5C15	Marceje rutiere cu vopsea	km echiv	8.50	2,017.08	17,145.18	7,311.71	62,149.56
31	5C14A	Panouri indicatoare pentru circulatia rutiera	buc	90.00	42.15	3,793.50	152.79	13,751.06
32	5C14A	Panouri indicatoare pentru circulatia rutiera	buc	5.00	84.30	421.50	305.58	1,527.90
33	5C14A	Panouri indicatoare pentru circulatia rutiera	buc	20.00	168.60	3,372.00	611.16	12,223.16
34	Portale		buc	1.00	525,945.50	525,945.50	1,906,499.84	1,906,499.84
		<b>TOTAL 3</b>				<b>2,406,336.13</b>		<b>8,722,727.84</b>
35		<b>4.ILUMINAT ELECTRIC</b>						
		Instalatii electrice de iluminat						
36		Statie alimentare cu energie electrica	buc	1.00	525,945.50	525,945.50	1,906,499.84	1,906,499.84
37		Alimentare cu energie electrica	buc	1.00	4,138.00	4,138.00	14,999.84	14,999.84
		<b>TOTAL 4</b>				<b>45,242.60</b>	<b>163,999.90</b>	<b>163,999.90</b>
		<b>TOTAL GENERAL</b>				<b>575,326.10</b>	<b>2,085,499.58</b>	<b>17,145,654.59</b>
						<b>4,729,966.23</b>		

Sef Proiect,  
Ing. Victor URDEA

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Ref. Alexandru POPA

*Popa Alex*

Proiectant:  
S.C. CONSILIER CONSTRUCT

Faza : Studiu de Fezabilitate  
Beneficiar : CNADNR

## DEVIZ CENTRALIZATOR

privind obiectivul "AUTOSTRADA BRASOV - TARGU MURES"  
AUTOSTRADA KM 0+000 - KM 157+300

Nr. crt	Denumire	Valoarea pe categorii de lucrari, fara TVA	
		EURO	RON
0	1	2	3
<b>I - LUCRARI DE CONSTRUCTII SI INSTALATII</b>			
1	Terasamente	-	-
2	Constructii: rezistenta (fundatii, structura de rezistenta) si arhitectura (inchideri exterioare, compartimentari, finisaje)		
	<b>AUTOSTRADA KM 0+000 - KM 157+300</b>	<b>141,789,129.02</b>	<b>513,971,413.79</b>
2.1.1.	PASAJ PESTE CF SI DN 1 KM 0+128	8,227,763.05	29,824,818.27
2.1.2.	POD PESTE VULCANITA KM 4+628	1,182,292.33	4,285,691.45
2.1.3.	PASAJ PESTE DJ 112A KM 4+945	897,606.99	3,253,735.56
2.1.3.	PASAJ PESTE CF SI DRUM EXPLOATARE KM 7+605	5,316,496.28	19,271,767.37
2.1.4.	POD PESTE V. CALDA KM 9+575	5,732,950.67	20,781,372.87
2.1.5.	POD KM 10+ 610	3,123,546.19	11,322,542.57
2.1.6.	POD PESTE V.GEAMANA KM 12+ 540	22,304,560.45	80,851,801.17
2.1.7.	POD PESTE V.HOMOROD SI CF 200 KM 13+ 960	8,680,725.61	31,466,762.26
2.1.8.	PASAJ PESTE DJ 112A KM 14+391	1,514,551.50	5,490,097.73
2.1.8.	POD PESTE V.HOMARADIA KM 16+ 295	1,770,408.07	6,417,552.21
2.1.9.	POD PESTE V.POPALNICA KM 18+ 200	1,844,703.86	6,686,867.02
2.1.10.	POD PESTE V.CUMETREI KM 20+ 895	1,571,342.27	5,695,958.59
2.1.11.	POD PESTE V.TRESTIOAREI KM 21+ 900	6,688,901.52	24,246,599.13
2.1.12.	PASAJ KM 23+ 275	2,476,843.31	8,978,309.30
2.1.14.	PASAJ KM 23+ 700	1,177,090.92	4,266,836.89
2.1.15.	PASAJ KM 24+ 685	9,500,544.30	34,438,523.01
2.1.17.	PASAJ KM 28+ 120	5,229,900.76	18,957,867.25
2.1.18.	POD PESTE V.PERSANI KM 29+ 055	1,570,969.43	5,694,607.09
2.1.19.	PASAJ KM 30+ 735	440,907.20	1,598,244.49
2.1.20.	POD KM 30+ 375	3,006,332.74	10,897,655.55
2.1.21.	POD PESTE V.PERSANI KM 32+ 070	2,858,754.66	10,362,699.77
2.1.23.	VIADUCT KM 36+ 285	4,908,573.20	17,793,086.99
2.1.23.	PASAJ PESTE DN 73A KM 36+ 575	1,570,969.43	5,694,607.09
2.1.24.	POD PESTE V.SERCAIA KM 37+ 155	4,533,357.07	16,432,966.03
2.1.25.	POD PESTE V.ZAMBRITA KM 38+ 615	1,570,969.43	5,694,607.09
2.1.26.	POD PESTE V. BALUS KM 38+ 805	1,570,969.43	5,694,607.09
2.1.27.	POD PESTE V. URASII KM 39+ 650	4,969,660.82	18,014,523.50
2.1.28.	POD PESTE V. MANDREI KM 44+ 040	14,792,092.97	53,619,857.80
2.1.29.	POD PESTE V. IAZULUI KM 45+ 665	5,078,898.62	18,410,499.60
2.1.30.	PASAJ KM 46+ 250	1,259,305.47	4,564,856.38
2.1.31.	PASAJ KM 47+ 440	6,417,140.51	23,261,492.63
3	Izolatii	-	-
4	Instalatii electrice	-	-
5	Instalatii sanitare	-	-
6	Instalatii de incalzire, ventilare, climatizare, PSI, radio-tv, internet	-	-
7	Instalatii de alimentare cu gaze naturale	-	-
8	Instalatii de telecomunicatii	-	-
<b>TOTAL I ( FARA TVA )</b>		<b>141,789,129.02</b>	<b>513,971,413.79</b>
<b>TVA ( 19% )</b>		<b>26,939,934.51</b>	<b>97,654,568.62</b>
<b>TOTAL I ( CU TVA )</b>		<b>168,729,063.53</b>	<b>611,625,982.41</b>

II - MONTAJ		
1   Montaj utilaje si echipamente tehnologice	-	-
<b>TOTAL II ( FARA TVA )</b>	-	-
<b>TVA ( 19% )</b>	-	-
<b>TOTAL II ( CU TVA )</b>	-	-
III - PROCURARE		
1   Utilaje si echipamente tehnologice	-	-
2   Utilaje si echipamente de transport	-	-
3   Dotari	-	-
<b>TOTAL III ( fara TVA )</b>	-	-
<b>TVA ( 19% )</b>	-	-
<b>TOTAL III ( cu TVA )</b>	-	-
<b>TOTAL ( TOTAL I + TOTAL II + TOTAL III FARA TVA )</b>	<b>141,789,129.02</b>	<b>513,971,413.79</b>
<b>TVA ( 19% )</b>	<b>26,939,934.51</b>	<b>97,654,568.62</b>
<b>TOTAL DEVIZ CENTRALIZATOR( CU TVA )</b>	<b>168,729,063.53</b>	<b>611,625,982.41</b>

Curs de schimb BNR - euro la data de 05.02.2008

3.6249 RON / EURO

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFAN





### DEVIZ CENTRALIZATOR

privind obiectivul "AUTOSTRADA BRASOV - TARGU MURES"  
RESTABILIRI LAGATURI RUTIERE  
1A BRASOV - FAGARAS KM 0+000 - KM 48+500

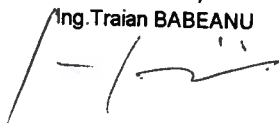
Nr crt	Denumire	Valoarea pe categorii de lucrari, fara TVA	
		EURO	RON
0	1	2	3
<b>I - LUCRARI DE CONSTRUCTII SI INSTALATII</b>			
1	Terasamente	-	-
2	Constructii: rezistenta (fundatii, structura de rezistenta) si arhitectura (inchideri exterioare, compartimentari, finisaje)		
	<b>RESTABILIRI LAGATURI RUTIERE</b>	<b>12,400,369.36</b>	<b>44,950,098.88</b>
2.1.1.	PASAJ SUPERIOR KM 0+860	722,428.57	2,618,731.32
2.1.2.	PASAJ SUPERIOR KM 2+860	729,910.70	2,645,853.30
2.1.3.	PASAJ SUPERIOR KM 6+700	729,910.70	2,645,853.30
2.1.4.	PASAJ SUPERIOR KM 8+450	729,910.70	2,645,853.30
2.1.5.	PASAJ KM 10+891	195,994.12	710,459.09
2.1.6.	PASAJ SUPERIOR KM 15+730	729,910.70	2,645,853.30
2.1.7.	PASAJ SUPERIOR KM 16+530	729,910.70	2,645,853.30
2.1.8.	PASAJ PESTE DRUM EXPLOATARE KM 17+712	195,994.12	710,459.09
2.1.9.	PASAJ PESTE DRUM EXPLOATARE KM 18+382	195,994.12	710,459.09
2.1.10.	PASAJ PESTE DRUM EXPLOATARE KM 19+342	195,994.12	710,459.09
2.1.11.	PASAJ PESTE DRUM EXPLOATARE KM 20+802	195,994.12	710,459.09
2.1.12.	PASAJ PESTE DRUM EXPLOATARE KM 21+751	195,994.12	710,459.09
2.1.13.	PASAJ KM 23+ 440	1,012,003.80	3,668,412.56
2.1.14.	POD PESTE V.PERSANI KM 25+ 700	238,236.50	863,583.49
2.1.15.	PASAJ KM 26+ 660	273,554.11	991,606.29
2.1.16.	PASAJ SUPERIOR KM 29+ 210	1,012,078.34	3,668,682.79
2.1.17.	PASAJ PESTE DRUM EXPLOATARE KM 29+572	195,994.12	710,459.09
2.1.18.	PASAJ PESTE DRUM EXPLOATARE KM 30+242	164,464.06	596,165.77
2.1.19.	PASAJ PESTE DRUM EXPLOATARE KM 31+562	195,994.12	710,459.09
2.1.20.	PASAJ PESTE DRUM EXPLOATARE KM 31+832	178,787.56	648,087.03
2.1.21.	PASAJ SUPERIOR KM 32+ 825	871,419.08	3,158,807.02
2.1.22.	PASAJ SUPERIOR KM 33+ 875	1,012,003.80	3,668,412.56
2.1.23.	PASAJ PESTE DRUM EXPLOATARE KM 33+956	199,849.38	724,434.02
2.1.24.	POD PESTE V.GAVANUL KM 33+ 980	315,835.69	1,144,872.79
2.1.25.	PASAJ PESTE DRUM EXPLOATARE KM 37+409	195,994.12	710,459.09
2.1.26.	PASAJ SUPERIOR KM 41+ 815	790,213.77	2,864,445.88
2.1.27.	PASAJ PESTE DRUM EXPLOATARE KM 43+514	195,994.12	710,459.09
3	Izolatii	-	-
4	Instalatii electrice	-	-
5	Instalatii sanitare	-	-
6	Instalatii de incalzire, ventilare, climatizare, PSI, radio-tv, internet	-	-
7	Instalatii de alimentare cu gaze naturale	-	-
8	Instalatii de telecomunicatii	-	-
<b>TOTAL I ( FARA TVA )</b>		<b>12,400,369.36</b>	<b>44,950,098.88</b>
<b>TVA ( 19% )</b>		<b>2,366,070.18</b>	<b>8,540,618.79</b>
<b>TOTAL I ( CU TVA )</b>		<b>14,766,439.53</b>	<b>53,490,617.67</b>

II - MONTAJ			
1	Montaj utilaje si echipamente tehnologice	-	-
TOTAL II ( FARA TVA )		-	-
TVA ( 19% )		-	-
TOTAL II ( CU TVA )		-	-
III - PROCURARE			
1	Utilaje si echipamente tehnologice	-	-
2	Utilaje si echipamente de transport	-	-
3	Dotari	-	-
TOTAL III ( fara TVA )		-	-
TVA ( 19% )		-	-
TOTAL III ( cu TVA )		-	-
TOTAL ( TOTAL I + TOTAL II + TOTAL III FARA TVA )		12,400,369.36	44,950,098.88
TVA ( 19% )		2,356,070.18	8,540,518.79
TOTAL DEVIZ CENTRALIZATOR( CU TVA )		14,756,439.53	53,490,617.67

Curs de schimb BNR - euro la data de 05.02.2008

3.6249 RON / EURO

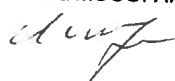
Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFA



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	PASAJ PESTE CF SI DN 1 KM 0+128	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 0+128	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 1

### BILL OF QUANTITIES No.1

1 EURO = 3.6249 RON (05.02.2008)

Nr crt	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3	320.00	69.24	22,156.80	250.99	80,316.18
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2	416.00	12.09	5,029.44	43.83	18,231.22
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3	6,500.00	86.59	562,835.00	313.88	2,040,220.59
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t	513.50	656.22	336,968.97	2,378.73	1,221,478.82
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t	513.50	676.03	347,141.41	2,450.54	1,258,352.88
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m	4,600.00	177.15	814,890.00	642.15	2,953,894.76
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t	414.00	1,037.04	429,334.56	3,759.17	1,556,294.85

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	5,198.00	86.59	450,094.82	313.88	1,631,548.71
<b>ELEVATII PILE SI CULE/PIERS AND ABUTMENTS FOUNDATION</b>								
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	7,200.00	102.07	734,904.00	369.99	2,663,953.51
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	569.00	787.86	448,292.34	2,855.91	1,625,014.90
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	1,422.00	802.40	1,141,012.80	2,908.62	4,136,057.30
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	192.00	136.91	26,286.72	496.29	95,286.73
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	192.00	207.87	39,911.04	753.51	144,673.53
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	10,080.00	13.79	139,003.20	49.99	503,872.70
<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>								
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,200.00	34.68	41,616.00	125.71	150,853.84
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	2,500.00	6.62	16,550.00	24.00	59,992.10
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	90.00	184.36	16,592.40	668.29	60,145.79
19	2A7	Casuri pe taluz Side ditches on slope	m m	100.00	42.15	4,215.00	152.79	15,278.95
<b>TOTAL 1</b>								
						<b>5,583,734.65</b>		<b>20,240,478.71</b>
<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>								
<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>								
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,800.00	102.07	285,796.00	369.99	1,035,981.92
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	221.00	728.41	160,978.61	2,640.41	583,531.36
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	450.00	102.07	45,931.50	369.99	166,497.09

0	1	2	3	4	5	6	7	8
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	82.00	728.41	59,729.62	2,640.41	216,513.90
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos.	96.00	13,586.94	1,304,346.24	49,251.30	4,728,124.69
		<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b>						
25	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	90.00	102.07	9,186.30	369.99	33,299.42
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	2.07	745.47	1,543.12	2,702.25	5,993.67
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	250.00	98.34	24,585.00	356.47	89,118.17
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	5.00	728.41	3,642.05	2,640.41	13,202.07
29	2C11	Hidroizolatie Waterproofing	m2 m2	9,400.00	31.83	299,202.00	115.38	1,084,577.33
30	2C16B1	Parapet metalic direccional pe suprastructura Directional metallic guardrail on superstructure	t t	125.00	1,081.00	135,125.00	3,918.52	489,814.61
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	1,600.00	15.38	24,608.00	55.75	89,201.54
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	8,700.00	17.86	155,382.00	64.74	563,244.21
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	137.00	944.00	129,328.00	3,421.91	468,801.07
34	2C14	Guri de scurgere Down pipe	buc. pcs.	48.00	96.77	4,644.96	350.78	16,837.52
		<b>TOTAL 2</b>				<b>2,644,028.40</b>		<b>9,584,338.56</b>
		<b>TOTAL</b>				<b>8,227,763.05</b>		<b>29,824,818.27</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE VULCANITA KM 4+625	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER VULCANITA KM 4+625	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 2**  
**BILL OF QUANTITIES No.2**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	60.00	69.24	4,154.40	250.99	15,059.28
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	78.00	12.09	943.02	43.83	3,418.35
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,100.00	86.59	95,249.00	313.88	345,268.10
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	87.00	656.22	57,091.14	2,378.73	206,949.67
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	87.00	676.03	58,814.61	2,450.54	213,197.08
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	580.00	177.15	102,747.00	642.15	372,447.60
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	52.20	1,037.04	54,133.49	3,759.17	196,228.48

1 EURO = 3.6249 RON (05.02.2008)

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in colbane Concrete of C20/25	m3 m3	655.40	86.59	56,751.09	313.88	205,717.01
		<b>ELEVATIILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,300.00	102.07	132,691.00	369.99	480,991.61
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	103.00	787.86	81,149.58	2,855.91	294,159.11
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	257.00	802.40	206,216.80	2,908.62	747,515.28
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	1,820.00	13.79	25,097.80	49.99	90,977.02
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Piaci de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	8.00	460.01	3,680.08	1,667.49	13,339.92
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	200.00	34.68	6,936.00	125.71	25,142.31
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,700.00	6.62	11,254.00	24.00	40,794.62
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	14.00	184.36	2,581.04	668.29	9,356.01
19	2A7	Casiuri pe taluz Side ditches on slope	m m	18.00	42.15	758.70	152.79	2,750.21
		<b>TOTAL 1</b>				<b>906,766.22</b>		<b>3,283,308.36</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	20.00	728.41	14,568.20	2,640.41	52,808.27
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.68
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	9.00	728.41	6,555.69	2,640.41	23,763.72
24	2C1B4A	Grinda caselata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	8.00	13,586.94	108,695.52	49,251.30	394,010.39

0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
25	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	0.23	745.47	171.46	2,702.25	621.52
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	20.00	98.34	1,966.80	356.47	7,129.45
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	0.40	728.41	291.36	2,640.41	1,056.17
29	2C11	Hidroizolatie Waterproofing	m2 m2	800.00	31.83	25,464.00	115.38	92,304.45
30	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	17.00	1,081.00	18,377.00	3,918.52	66,614.79
31	5C18A1	Borduri prefabricate din beton sau plastru 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	220.00	15.38	3,383.60	55.75	12,265.21
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	750.00	17.86	13,395.00	64.74	48,555.54
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	1.00	96.77	96.77	350.78	350.78
		<b>TOTAL 2</b>				<b>276,627.10</b>		<b>1,002,383.09</b>
		<b>TOTAL</b>				<b>1,182,292.33</b>		<b>4,285,691.46</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFEAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	PASAJ PESTE DJ 112A KM 4+945	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 4+945	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 3  
BILL OF QUANTITIES No.3**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	1 EURO = 3.6249 RON		(05.02.2008)		
				Cantitate Quantity	Pret unitar Unit price (EURO)	Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	15.00	69.24	1,038.60	250.99	3,764.82
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	19.50	12.09	235.76	43.83	854.59
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	650.00	177.15	115,147.50	642.15	417,398.17
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	59.00	1,037.04	61,185.36	3,759.17	221,790.81

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	734.50	86.59	63,600.36	313.88	230,544.93
		<b>ELEVATIILE SI CULELE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	900.00	102.07	91,863.00	369.99	332,994.19
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	71.00	787.86	55,938.06	2,855.91	202,769.87
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	178.00	802.40	142,827.20	2,908.62	517,734.32
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	24.00	136.91	3,285.84	496.29	11,910.84
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	24.00	207.87	4,988.88	753.51	18,084.19
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	1,260.00	13.79	17,375.40	49.99	62,984.09
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	400.00	34.68	13,872.00	125.71	50,284.61
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>684,301.09</b>		<b>2,480,823.02</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	120.00	102.07	12,248.40	369.99	44,399.23
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	9.50	728.41	6,919.90	2,640.41	25,083.93
22	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement L=21,00m h=0,93m	buc. pcs.	24.00	4,371.33	104,911.92	15,845.63	380,295.22

0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
		Hidroizolatie						
23	2C11	Waterproofing	m <sup>2</sup>	550.00	31.83	17,506.50	115.38	63,459.31
24	2C16B1	Parapet metallic direccional pe suprastructura	t	12.00	1,081.00	12,972.00	3,918.52	47,022.20
		Directional metallic guardrail on superstructure	t					
25	5C18A1	Borduri prefabricate din beton sau piatră 20x25 cm pe fundatie din beton (B 100) Bc 7.5, la intrari in curti	m	145.00	15.38	2,230.10	55.75	8,083.89
		20 X 25 cm concret prefabricated kerbs on C6/7.5 of the	m					
		privated axes road in the courts						
26	2C12	Calea pe pod	m <sup>2</sup>	500.00	17.86	8,930.00	64.74	32,370.36
		Carriageway on the bridge	m <sup>2</sup>					
27	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm	m	50.00	944.00	47,200.00	3,421.91	171,095.28
		Devices for covering of expansion joints - 50 mm	m					
28	2C14	Guri de scurgere	buc.	4.00	96.77	387.08	350.78	1,403.13
		Down pipe	pcs.					
		<b>TOTAL 2</b>				<b>213,305.90</b>		<b>773,212.54</b>
		<b>TOTAL</b>				<b>897,606.99</b>		<b>3,253,736.56</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Magda MOCOFRAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	PASAJ PESTE CF SI DRUM EXPLOATARE KM 7+605	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 7+605	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 4**  
**BILL OF QUANTITIES No.4**

Nr crt	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	1 EURO = 3.6249 RON		(05.02.2008)		
				Cantitate Quantity	Pret unitar Unit price (EURO)	Pret unitar Unit price (RON)	Pret total Total costs (EURO)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	230.00	69.24	15,925.20	250.99	57,727.26
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	299.00	12.09	3,614.91	43.83	13,103.69
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	4,400.00	86.59	380,996.00	313.88	1,381,072.40
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	348.00	656.22	228,364.56	2,378.73	827,798.69
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	348.00	676.03	235,258.44	2,450.54	852,788.32
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	2,960.00	177.15	524,364.00	642.15	1,900,767.06
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	266.50	1,037.04	276,371.16	3,759.17	1,001,817.82
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	3,344.80	86.59	289,626.23	313.88	1,049,866.13

0	1	2	3	4	5	6	7	8
		<b>ELEVATII PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	4,850.00	102.07	495,039.50	369.99	1,794,468.68
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	383.00	787.86	301,750.38	2,855.91	1,093,814.95
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	958.00	802.40	768,699.20	2,908.62	2,786,457.73
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	112.00	136.91	15,333.92	496.29	55,583.93
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	112.00	207.87	23,281.44	753.51	84,392.89
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	6,790.00	13.79	93,634.10	49.99	339,414.25
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	2,500.00	6.62	16,550.00	24.00	59,992.10
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	90.00	184.36	16,592.40	668.29	60,145.79
19	2A7	Casiuri pe taluz Side ditches on slope	m m	100.00	42.15	4,215.00	152.79	15,278.95
		<b>TOTAL 1</b>				<b>3,731,196.59</b>		<b>13,525,214.53</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,560.00	102.07	159,229.20	369.99	577,189.93
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	123.00	728.41	89,594.43	2,640.41	324,770.85
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	270.00	102.07	27,558.90	369.99	99,898.26
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	49.00	728.41	35,692.09	2,640.41	129,380.26
24	2C1B4A	Grinda caselata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	56.00	13,586.94	760,868.64	49,251.30	2,758,072.73

0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
25	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	55.00	102.07	5,613.85	369.99	20,349.64
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	10.00	745.47	7,454.70	2,702.25	27,022.54
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	140.00	98.34	13,767.60	356.47	49,906.17
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	22.00	728.41	16,025.02	2,640.41	58,089.09
29	2C11	Hidroizolatie Waterproofing	m2 m2	5,530.00	31.83	176,019.90	115.38	638,054.54
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	75.00	1,081.00	81,075.00	3,918.52	293,888.77
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C67.5 of the private axes road in the courts	m m	960.00	15.38	14,764.80	55.75	53,520.92
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	5,100.00	17.86	91,086.00	64.74	330,177.64
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	110.00	944.00	103,840.00	3,421.91	376,409.62
34	2C14	Guri de scurgere Down pipe	buc. pcs.	28.00	96.77	2,709.56	350.78	9,821.88
		<b>TOTAL 2</b>				<b>1,585,299.69</b>		<b>5,746,552.85</b>
		<b>TOTAL</b>				<b>5,316,496.28</b>		<b>19,271,767.37</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE V. CALDA KM 9+575	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.CALDA KM 9+575	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 5**  
**BILL OF QUANTITIES No.5**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	320.00	69.24	22,156.80	250.99	80,316.18
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	416.00	12.09	5,029.44	43.83	18,231.22
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	7,600.00	86.59	658,084.00	313.88	2,385,488.69
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	600.50	656.22	394,060.11	2,378.73	1,428,428.49
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	600.50	676.03	405,956.02	2,450.54	1,471,549.96
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	3,960.00	177.15	701,514.00	642.15	2,542,918.10
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	357.00	1,037.04	370,223.28	3,759.17	1,342,022.37

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	4,474.80	86.59	387,472.93	313.88	1,404,550.63
		<b>ELEVATII PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	6,000.00	102.07	612,420.00	369.99	2,219,961.26
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	47.50	787.86	37,423.35	2,855.91	135,655.90
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	119.00	802.40	95,485.60	2,908.62	346,125.75
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	112.00	136.91	15,333.92	496.29	55,583.93
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	112.00	207.87	23,281.44	753.51	84,392.89
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	8,400.00	13.79	115,636.00	49.99	419,893.92
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,300.00	34.68	45,084.00	125.71	163,424.99
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the barrow pit	m3 m3	3,200.00	6.62	21,184.00	24.00	76,789.88
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	24.00	184.36	4,424.64	668.29	16,038.88
19	2A7	Casiuri pe taluz Side ditches on slope	m m	28.00	42.15	1,180.20	152.79	4,278.11
		<b>TOTAL 1</b>				<b>3,923,049.88</b>		<b>14,220,663.50</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,100.00	102.07	214,347.00	369.99	776,986.44
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	166.00	728.41	120,916.06	2,640.41	438,308.63
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	350.00	102.07	35,724.50	369.99	129,497.74
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	64.00	728.41	46,618.24	2,640.41	168,986.46



0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	56.00	13,586.94	760,868.64	49,251.30	2,758,072.73
25	2B15D	CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	70.00	102.07	7,144.90	369.99	25,899.55
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	13.00	745.47	9,691.11	2,702.25	35,129.30
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	175.00	98.34	17,209.50	356.47	62,382.72
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	28.00	728.41	20,395.48	2,640.41	73,931.58
29	2C11	Hidroizolatie Waterproofing	m2 m2	7,400.00	31.83	235,542.00	115.38	853,816.20
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	110.00	1,081.00	118,910.00	3,918.52	431,036.86
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5, la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	1,360.00	15.38	20,916.80	55.75	75,821.31
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	6,750.00	17.86	120,555.00	64.74	436,999.82
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	83.00	944.00	78,352.00	3,421.91	284,018.16
34	2C14	Guri de scurgere Down pipe	buc. pcs.	28.00	96.77	2,709.56	350.78	9,821.88
		<b>TOTAL 2</b>				<b>1,809,900.79</b>		<b>6,560,709.37</b>
		<b>TOTAL</b>				<b>5,732,950.67</b>		<b>20,781,372.87</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investiment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD KM 10+ 610	
Object:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE KM 10 + 610	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 6

### BILL OF QUANTITIES No.6

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	120.00	69.24	8,308.80	250.99	30,118.57
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	156.00	12.09	1,886.04	43.83	6,836.71
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	2,600.00	86.59	225,134.00	313.88	816,088.24
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	205.50	656.22	134,853.21	2,378.73	488,829.40
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	205.50	676.03	138,924.17	2,450.54	503,586.21
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	1,800.00	177.15	318,870.00	642.15	1,155,871.86
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	162.00	1,037.04	168,000.48	3,759.17	608,984.94

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	2,034.00	86.59	176,124.06	313.88	638,432.11
		<b>ELEVATIILE PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	3,100.00	102.07	316,417.00	369.99	1,146,979.98
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	245.00	787.86	193,025.70	2,855.91	699,698.86
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	612.00	802.40	491,068.80	2,908.62	1,780,075.29
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	48.00	136.91	6,571.68	496.29	23,821.68
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	48.00	207.87	9,977.76	753.51	36,168.38
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	4,340.00	13.79	59,848.60	49.99	216,945.19
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,300.00	34.68	45,084.00	125.71	163,424.99
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	3,200.00	6.62	21,184.00	24.00	76,789.88
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	24.00	184.36	4,424.64	668.29	16,038.88
19	2A7	Casiuri pe taluz Side ditches on slope	m m	28.00	42.15	1,180.20	152.79	4,278.11
		<b>TOTAL 1</b>				<b>2,327,783.29</b>		<b>8,437,981.63</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	900.00	102.07	91,863.00	369.99	332,994.19
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	71.00	728.41	51,717.11	2,640.41	187,469.35
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	150.00	102.07	15,310.50	369.99	55,499.03
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	27.50	728.41	20,031.28	2,640.41	72,611.37

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos	24.00	13,586.94	326,086.56	49,251.30	1,182,031.17
25	2B15D	CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	30.00	102.07	3,062.10	369.99	11,099.81
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	5.50	745.47	4,100.09	2,702.25	14,862.40
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	80.00	98.34	7,867.20	356.47	28,517.81
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	13.00	728.41	9,469.33	2,640.41	34,325.37
29	2C11	Hidroizolatie Waterproofing	m2 m2	3,150.00	31.83	100,264.50	115.38	363,448.79
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	48.00	1,081.00	51,888.00	3,918.52	188,088.81
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	600.00	15.38	9,228.00	55.75	33,450.58
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	2,900.00	17.86	51,794.00	64.74	187,748.07
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	12.00	96.77	1,161.24	350.78	4,209.38
		<b>TOTAL 2</b>			<b>795,762.90</b>			<b>2,884,560.94</b>
		<b>TOTAL</b>			<b>3,123,546.19</b>			<b>11,322,542.57</b>

Proiectant,  
Ing. Trajan BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE V.GEAMANA KM 12+ 540	Phase: F. S.
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V. GEAMANA KM 12 + 540	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 7  
BILL OF QUANTITIES No.7**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO )	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		1.INFRASTRUCTURA/SUBSTRUCTURE						
		FUNDATII PILE SI CULEIPIERSI AND ABUTMENTS ELEVATIONS						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	1,000.00	69.24	69,240.00	250.99	250,988.08
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	1,300.00	12.09	15,717.00	43.83	56,972.55
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	19,600.00	86.59	1,697,164.00	313.88	6,152,049.78
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	1,548.50	656.22	1,016,156.67	2,378.73	3,683,466.31
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	1,548.50	676.03	1,046,832.46	2,450.54	3,794,662.97
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	5,150.00	177.15	912,322.50	642.15	3,307,077.83
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	464.00	1,037.04	481,186.56	3,759.17	1,744,253.16
8	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	5,819.50	86.59	503,910.51	313.88	1,826,625.19
9	2B4B	Forarea pilotilor de diametru mare - F=1500mm Drilling of big diameter column	m m	10,640.00	253.80	2,700,432.00	920.00	9,788,795.96

1 EURO = 3.6249 RON (05.02.2008)

0	1	2	3	4	5	6	7	8
10	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	1,170.50	1,037.04	1,213,855.32	3,759.17	4,400,104.15
11	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	12,023.20	86.59	1,041,088.89	313.86	3,773,843.11
		<b>ELEVATIIL PILE SI CULEIPIERS AND ABUTMENTS FOUNDATION</b>						
12	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	13,100.00	102.07	1,337,117.00	369.99	4,846,915.41
13	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	1,035.00	787.86	815,435.10	2,855.91	2,955,870.69
14	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	2,587.00	802.40	2,075,808.80	2,908.62	7,524,599.32
15	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41 mm)	buc. pcs.	432.00	136.91	59,145.12	496.29	214,395.15
16	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	432.00	207.87	89,799.84	753.51	325,515.44
17	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	18,340.00	13.79	252,908.60	49.99	916,768.38
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
18	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
19	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
20	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
21	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
22	2A7	Casiuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>15,381,974.59</b>		<b>55,758,119.68</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
23	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	8,200.00	102.07	836,974.00	369.99	3,033,947.05
24	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	648.00	728.41	472,009.68	2,640.41	1,710,987.89
25	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	1,350.00	102.07	137,794.50	369.99	499,491.28

0	1	2	3	4	5	6	7	8
26	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t	245.00	728.41	178,460.45	2,640.41	646,901.29
27	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos.	216.00	13,586.94	2,934,779.04	49,251.30	10,638,280.54
28	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	280.00	102.07	28,579.60	369.99	103,598.19
29	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t	51.00	745.47	38,018.97	2,702.25	137,814.96
30	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	670.00	98.34	65,887.80	356.47	238,836.69
31	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t	106.00	728.41	77,211.46	2,640.41	279,883.82
32	2C11	Hidroizolatie Waterproofing	m2 m2	29,000.00	31.83	923,070.00	115.38	3,346,036.44
33	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t	380.00	1,081.00	410,780.00	3,918.52	1,489,036.42
34	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	4,340.00	15.38	66,749.20	55.75	241,959.18
35	2C12	Calea pe pod Carriageway on the bridge	m2 m2	27,000.00	17.86	482,220.00	64.74	1,747,999.28
36	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	275.00	944.00	259,600.00	3,421.91	941,024.04
37	2C14	Guri de scurgere Down pipe	buc. pos.	108.00	96.77	10,451.16	350.78	37,884.41
		<b>TOTAL 2</b>				<b>6,922,585.86</b>		<b>25,093,681.48</b>
		<b>TOTAL</b>				<b>22,304,560.45</b>		<b>80,851,801.17</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFRAN

*cluj*

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE V.GEAMANA KM 12+ 540	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V. GEAMANA KM 12 + 540	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 7**  
**BILL OF QUANTITIES No.7**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	RON (05.02.2008)			Pret total Total cost (RON)	
				Cantitate Quantity	Pret unitar Unit price (EURO )	Pret total Total costs (EURO)		
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	1,000.00	69.24	69,240.00	250.99	250,988.08
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	1,300.00	12.09	15,717.00	43.83	56,972.55
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	19,600.00	86.59	1,697,164.00	313.88	6,152,049.78
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	1,548.50	656.22	1,016,156.67	2,378.73	3,683,466.31
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	1,548.50	676.03	1,046,832.46	2,450.54	3,794,662.97
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	5,150.00	177.15	912,322.50	642.15	3,307,077.83
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	464.00	1,037.04	481,166.56	3,759.17	1,744,253.16
8	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	5,819.50	86.59	503,910.51	313.88	1,826,625.19
9	2B4B	Forarea pilotilor de diametru mare - F=1500mm Drilling of big diametre column	m m	10,640.00	253.80	2,700,432.00	920.00	9,788,795.96



0	1	2	3	4	5	6	7	8
10	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for drilled column of big diameter	t t	1,170.50	1,037.04	1,213,855.32	3,759.17	4,400,104.15
11	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	12,023.20	86.59	1,041,088.89	313.88	3,773,843.11
		<b>ELEVATIILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
12	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	13,100.00	102.07	1,337,117.00	369.99	4,846,915.41
13	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	1,035.00	787.86	815,435.10	2,855.91	2,955,870.69
14	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	2,587.00	802.40	2,075,808.80	2,908.62	7,524,599.32
15	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	432.00	136.91	59,145.12	496.29	214,395.15
16	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	432.00	207.87	89,799.84	753.51	325,515.44
17	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	18,340.00	13.79	252,908.60	49.99	916,768.38
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
18	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
19	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
20	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
21	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
22	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>15,381,974.59</b>		<b>55,758,119.68</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
23	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	8,200.00	102.07	836,974.00	369.99	3,033,947.05
24	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	648.00	728.41	472,009.68	2,640.41	1,710,987.89
25	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	1,350.00	102.07	137,794.50	369.99	499,491.28

0	1	2	3	4	5	6	7	8
26	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	245.00	728.41	178,460.45	2,640.41	646,901.29
27	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	216.00	13,586.94	2,934,779.04	49,251.30	10,638,280.54
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
28	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	280.00	102.07	28,579.60	369.99	103,598.19
29	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	51.00	745.47	38,018.97	2,702.25	137,814.96
30	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	670.00	98.34	65,887.80	356.47	238,836.69
31	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	106.00	728.41	77,211.46	2,640.41	279,883.82
32	2C11	Hidroizolatie Waterproofing	m2 m2	29,000.00	31.83	923,070.00	115.38	3,346,036.44
33	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	380.00	1,081.00	410,780.00	3,918.52	1,489,036.42
34	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	4,340.00	15.38	66,749.20	55.75	241,959.18
35	2C12	Calea pe pod Carriageway on the bridge	m2 m2	27,000.00	17.86	482,220.00	64.74	1,747,999.28
36	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	275.00	944.00	259,600.00	3,421.91	941,024.04
37	2C14	Guri de scurgere Down pipe	buc. pcs.	108.00	96.77	10,451.16	350.78	37,884.41
		<b>TOTAL 2</b>				<b>6,922,585.86</b>		<b>25,093,681.48</b>
		<b>TOTAL</b>				<b>22,304,560.45</b>		<b>80,851,801.17</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD PESTE V.HOMOROD SI CF 200	
	KM 13+ 960	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
Sector:	BRIDGE OVER V.HOMOROD KM 13 + 960	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 8  
BILL OF QUANTITIES No.8**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	1 EURO = 3.6249 RON		(05.02.2008)		
				Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		1.INFRASTRUCTURA/SUBSTRUCTURE						
		FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	330.00	69.24	22,849.20	250.99	82,826.07
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	429.00	12.09	5,186.61	43.83	18,800.94
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	6,500.00	86.59	562,835.00	313.88	2,040,220.59
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	513.50	656.22	336,968.97	2,378.73	1,221,478.82
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	513.50	676.03	347,141.41	2,450.54	1,258,352.88
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	4,570.00	177.15	809,575.50	642.15	2,934,630.23
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	411.00	1,037.04	426,223.44	3,759.17	1,545,017.35

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in cobane Concrete of C20/25	m3 m3	5,164.10	86.59	447,159.42	313.88	1,620,908.18
		<b>ELEVATII PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	7,500.00	102.07	765,525.00	369.99	2,774,951.57
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	593.00	787.86	467,200.98	2,855.91	1,693,556.83
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	1,481.00	802.40	1,188,354.40	2,908.62	4,307,665.86
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	192.00	136.91	26,286.72	496.29	95,286.73
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	192.00	207.87	39,911.04	753.51	144,673.53
14	2B12A	Cofraje plane pentru elevatii - obsnuite Plane shutterings for elevations - usual	m2 m2	10,500.00	13.79	144,795.00	49.99	524,867.40
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,100.00	34.68	38,148.00	125.71	138,282.69
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the barrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	20.00	184.36	3,687.20	668.29	13,365.73
19	2A7	Casiuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>5,648,111.93</b>		<b>20,477,465.85</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	3,600.00	102.07	367,452.00	369.99	1,331,976.75
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	284.50	728.41	207,232.65	2,640.41	751,197.61
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	600.00	102.07	61,242.00	369.99	221,996.13
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	109.00	728.41	79,396.69	2,640.41	287,805.06

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos.	96.00	13,586.94	1,304,346.24	49,251.30	4,728,124.69
25	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	120.00	102.07	12,248.40	369.99	44,399.23
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	22.00	745.47	16,400.34	2,702.25	59,449.59
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	47.00	98.34	4,621.98	356.47	16,754.22
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	5.90	728.41	4,297.62	2,640.41	15,578.44
29	2C11	Hidroizolatie Waterproofing	m2 m2	13,700.00	31.83	436,071.00	115.38	1,580,713.77
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	175.00	1,081.00	189,175.00	3,918.52	685,740.46
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	2,060.00	15.38	31,682.80	55.75	114,846.98
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	11,700.00	17.86	208,962.00	64.74	757,466.35
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	110.00	944.00	103,840.00	3,421.91	376,409.62
34	2C14	Guri de scurgere Down pipe	buc. pos.	48.00	96.77	4,644.96	350.78	16,837.52
		<b>TOTAL 2</b>				<b>3,031,613.67</b>		<b>10,989,296.41</b>
		<b>TOTAL</b>				<b>8,680,725.61</b>		<b>31,466,762.26</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRĂGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	PASAJ PESTE DJ 112A KM 14+391	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 14+391	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 9**  
**BILL OF QUANTITIES No. 9**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARI WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	RON (05.02.2008)		Pret total Total cost (RON)	
					Pret unitar Unit price (EURO)	Pret total Total costs (EURO)		
0	1	2	3	4	5	6	7	8
		1.INFRASTRUCTURA/SUBSTRUCTURE						
		FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	15.00	69.24	1,038.60	250.99	3,764.82
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	19.50	12.09	235.76	43.83	854.59
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	39.50	656.22	25,920.69	2,378.73	93,959.91
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	39.50	676.03	26,703.19	2,450.54	96,796.38
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	650.00	177.15	115,147.50	642.15	417,398.17
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	650.00	1,037.04	674,076.00	3,759.17	2,443,458.09

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	734.50	86.59	63,600.36	313.88	230,544.93
		<b>ELEVATII PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	900.00	102.07	91,863.00	369.99	332,994.19
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	71.00	787.86	55,938.06	2,855.91	202,769.87
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	178.00	802.40	142,827.20	2,908.62	517,734.32
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	24.00	136.91	3,285.84	496.29	11,910.84
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	24.00	207.87	4,988.88	753.51	18,084.19
14	2B12A	Cofrage plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	1,260.00	13.79	17,375.40	49.99	62,984.09
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	400.00	34.68	13,872.00	125.71	50,284.61
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,296,526.61</b>		<b>4,699,775.67</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	120.00	102.07	12,248.40	369.99	44,399.23
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	9.50	728.41	6,919.90	2,640.41	25,083.93
22	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement L=21,00m h=0,93m	buc. pcs.	24.00	4,371.33	104,911.92	15,845.63	380,295.22
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
23	2C11	Hidroizolatie Waterproofing	m2 m2	550.00	31.83	17,506.50	115.38	63,459.31
24	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	12.00	1,081.00	12,972.00	3,918.52	47,022.20
25	5C18A1	Borduri prefabricate din beton sau platră 20x25 cm pe fundatiile din beton (B 100) Bc 7.5, la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	145.00	15.38	2,230.10	55.75	8,083.89
26	2C12	Calea pe pod Carriageway on the bridge	m2 m2	500.00	17.86	8,930.00	64.74	32,370.36
27	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
28	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>218,025.90</b>		<b>790,322.07</b>
		<b>TOTAL</b>				<b>1,514,551.50</b>		<b>5,490,097.73</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRĂGOMIR

Intocmit,  
Tehn. Maria MOCOFAŢ



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD PESTE V.HOMARADIA KM 16+ 297	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.HAMARADIA KM 16 + 297	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 10**  
**BILL OF QUANTITIES No.10**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,800.00	86.59	155,862.00	313.88	564,984.16
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	142.20	656.22	93,314.48	2,378.73	338,255.67
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	142.20	676.03	96,131.47	2,450.54	348,466.95
6	2B4F	Forarea pilonilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	1,100.00	177.15	194,865.00	642.15	706,366.14
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for drilled column of big diameter	t t	99.00	1,037.04	102,666.96	3,759.17	372,157.46

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	1,243.00	86.59	107,631.37	313.88	390,152.95
		<b>ELEVATIIL PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,100.00	102.07	214,347.00	369.99	776,986.44
10	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	166.00	656.22	108,932.52	2,378.73	394,869.49
11	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	415.00	676.03	280,552.45	2,450.54	1,016,974.58
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	2,940.00	13.79	40,542.60	49.99	146,962.87
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,460,163.55</b>		<b>5,292,946.85</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	24.00	728.41	17,481.84	2,640.41	63,369.92
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.68
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	9.00	728.41	6,555.69	2,640.41	23,763.72

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprapstructura PC52 reinforcement for superstructure	t t	2.00	745.47	1,490.94	2,702.25	5,404.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	30.00	98.34	2,950.20	356.47	10,694.18
28	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	5.00	728.41	3,642.05	2,640.41	13,202.07
29	2C11	Hidroizolatie Waterproofing	m2 m2	1,100.00	31.83	35,013.00	115.38	126,918.62
30	2C16B1	Parapet metallic direcional pe suprapstructura Directional metallic guardrail on superstructure	t t	22.00	1,081.00	23,782.00	3,918.52	86,207.37
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	300.00	15.38	4,614.00	55.75	16,725.29
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	950.00	17.86	16,967.00	64.74	61,503.68
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>310,244.52</b>		<b>1,124,605.36</b>
		<b>TOTAL</b>				<b>1,770,408.07</b>		<b>6,417,552.21</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOEAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE V.POPALNICA KM 18+ 200	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.POPALNICA KM 18 + 200	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 11**  
**BILL OF QUANTITIES No.11**

1 EURO = 3.5249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIIL WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO )	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,800.00	86.59	155,862.00	313.88	564,984.16
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	142.20	656.22	93,314.48	2,378.73	338,255.67
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	142.20	676.03	96,131.47	2,450.54	348,466.95
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	1,100.00	177.15	194,865.00	642.15	706,366.14
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	99.00	1,037.04	102,666.96	3,759.17	372,157.46

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	1,243.00	86.59	107,631.37	313.88	390,152.95
		<b>ELEVATIIL PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,100.00	102.07	214,347.00	369.99	776,986.44
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	166.00	787.86	130,784.76	2,855.91	474,081.68
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	415.00	802.40	332,996.00	2,908.62	1,207,077.20
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	2,940.00	13.79	40,542.60	49.99	146,962.87
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,534,489.34</b>		<b>5,562,261.66</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	24.00	728.41	17,481.84	2,640.41	63,369.92
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.68
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	9.00	728.41	6,555.69	2,640.41	23,763.72

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	<b>CALE, TROTUAR, PARAPETICARRIAGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	2.00	745.47	1,490.94	2,702.25	5,404.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	30.00	98.34	2,950.20	356.47	10,694.18
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	5.00	728.41	3,642.05	2,640.41	13,202.07
29	2C11	Hidroizolatie Waterproofing	m2 m2	1,100.00	31.83	35,013.00	115.38	126,918.62
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	22.00	1,081.00	23,782.00	3,918.52	86,207.37
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	300.00	15.38	4,614.00	55.75	16,725.29
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	950.00	17.86	16,967.00	64.74	61,503.68
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>310,244.52</b>		<b>1,124,605.36</b>
		<b>TOTAL</b>				<b>1,844,703.86</b>		<b>6,686,867.02</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Object:	POD PESTE V.CUMETREI KM 20+ 895	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.CUMETREI KM 20 + 895	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 12**  
**BILL OF QUANTITIES No.12**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	1 EURO = 3.6249 RON		(05.02.2008)		Pret total Total costs ( EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
				Cantitate Quantity	Pret unitar Unit price ( EURO)	Pret unitar Unit price ( RON)	Pret total Total cost ( RON)			
0	1	2	3	4	5	6	7	8		
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>								
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>								
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	80.00	69.24	5,539.20	250.99	20,079.05		
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	104.00	12.09	1,257.36	43.83	4,557.80		
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,400.00	86.59	121,226.00	313.88	439,432.13		
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	110.60	656.22	72,577.93	2,378.73	263,087.75		
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	110.60	676.03	74,768.92	2,450.54	271,029.85		
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	750.00	177.15	132,862.50	642.15	481,613.28		
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	68.00	1,037.04	70,518.72	3,759.17	255,623.31		

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	847.50	86.59	73,385.03	313.88	266,013.38
		<b>ELEVATII PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,000.00	102.07	204,140.00	369.99	739,987.09
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	158.00	787.86	124,481.88	2,855.91	451,234.37
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	395.00	802.40	316,948.00	2,908.62	1,148,904.81
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	2,800.00	13.79	38,612.00	49.99	139,964.64
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,295,988.25</b>		<b>4,696,740.32</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	230.00	102.07	23,476.10	369.99	85,098.51
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	18.00	728.41	13,111.38	2,640.41	47,527.44
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	7.30	728.41	5,317.39	2,640.41	19,275.02



0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pes.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	2.00	745.47	1,490.94	2,702.25	5,404.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	20.00	98.34	1,966.80	356.47	7,129.45
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	3.20	728.41	2,330.91	2,640.41	8,449.32
29	2C11	Hidroizolatie Waterproofing	m2 m2	800.00	31.83	25,464.00	115.38	92,304.45
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	18.00	1,081.00	19,458.00	3,918.52	70,533.30
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	230.00	15.38	3,537.40	55.75	12,822.72
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	750.00	17.86	13,395.00	64.74	48,555.54
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pes.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>275,654.03</b>		<b>999,218.28</b>
		<b>TOTAL</b>				<b>1,571,342.27</b>		<b>5,695,958.59</b>

Proiectant,  
Ing. Traian BABEANU

Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Object:	POD PESTE V.TRESTIOAREI KM 21+ 900 KM 0+000 - KM 157+300 MOTORWAY	
Sector:	BRIDGE OVER V.TRESTIOAREI KM 21 + 900 1A BRASOV - FAGARAS KM 0+000 - KM 48+500 1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 13

### BILL OF QUANTITIES No.13

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO )	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERSI AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	280.00	69.24	19,387.20	250.99	70,276.66
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	364.00	12.09	4,400.76	43.83	15,952.31
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	4,800.00	86.59	415,632.00	313.88	1,506,624.44
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	379.20	656.22	248,838.62	2,378.73	902,015.13
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	379.20	676.03	256,350.58	2,450.54	929,245.20
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	3,600.00	177.15	637,740.00	642.15	2,311,743.73
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	324.00	1,037.04	336,000.96	3,759.17	1,217,969.88

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	4,068.00	86.59	352,248.12	313.88	1,276,864.21
		<b>ELEVATIIL PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	7,300.00	102.07	745,111.00	369.99	2,700,952.86
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	577.00	787.86	454,595.22	2,855.91	1,647,862.21
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	1,442.00	802.40	1,157,060.80	2,908.62	4,194,229.69
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	128.00	136.91	17,524.48	496.29	63,524.49
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	128.00	207.87	26,607.36	753.51	96,449.02
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	10,220.00	13.79	140,933.80	49.99	510,870.93
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,200.00	34.68	41,616.00	125.71	150,853.84
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,450.00	6.62	9,599.00	24.00	34,795.42
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	22.00	184.36	4,055.92	668.29	14,702.30
19	2A7	Casiuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>4,875,697.87</b>		<b>17,873,917.21</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,850.00	102.07	188,829.50	369.99	684,488.05
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	146.20	728.41	106,493.54	2,640.41	386,028.44
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	350.00	102.07	35,724.50	369.99	129,497.74
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	64.00	728.41	46,618.24	2,640.41	168,986.46

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos.	64.00	13,586.94	869,564.16	49,251.30	3,152,083.12
25	2B15D	CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	60.00	102.07	6,124.20	369.99	22,199.61
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	11.00	745.47	8,200.17	2,702.25	29,724.80
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	140.00	98.34	13,767.60	356.47	49,906.17
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	22.20	728.41	16,170.70	2,640.41	58,617.18
29	2C11	Hidroizolatie Waterproofing	m2 m2	6,300.00	31.83	200,529.00	115.38	726,897.57
30	2C16B1	Parapet metalic direccional pe suprastructura Directional metallic guardrail on superstructure	t t	87.00	1,081.00	94,047.00	3,918.52	340,910.97
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	1,080.00	15.38	16,610.40	55.75	60,211.04
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	5,800.00	17.86	103,588.00	64.74	375,496.14
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	110.00	944.00	103,840.00	3,421.91	376,409.62
34	2C14	Guri de scurgere Down pipe	buc. pos.	32.00	96.77	3,096.64	350.78	11,225.01
		<b>TOTAL 2</b>				<b>1,813,203.65</b>		<b>6,572,681.93</b>
		<b>TOTAL</b>				<b>6,688,901.52</b>		<b>24,246,599.13</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	PASAJ KM 23+ 275	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
Sector:	OVERPASS KM 23 + 275	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 14**  
**BILL OF QUANTITIES NO.14**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO )	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		1.INFRASTRUCTURA/SUBSTRUCTURE						
		FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	100.00	69.24	6,924.00	250.99	25,098.81
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	130.00	12.09	1,571.70	43.83	5,697.26
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,500.00	86.59	129,885.00	313.88	470,820.14
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	118.50	656.22	77,762.07	2,378.73	281,879.73
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	118.50	676.03	80,109.56	2,450.54	290,389.13
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	1,800.00	177.15	318,870.00	642.15	1,155,871.86
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	162.00	1,037.04	168,000.48	3,759.17	608,984.94

1 EURO = 3.6249 RON (05.02.2008)

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	2,034.00	86.59	176,124.06	313.88	638,432.11
		<b>ELEVATII PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,200.00	102.07	224,554.00	369.99	813,985.79
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	174.00	787.86	137,087.64	2,855.91	496,928.99
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	435.00	802.40	349,044.00	2,908.62	1,265,249.60
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	48.00	136.91	6,571.68	496.29	23,821.68
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	48.00	207.87	9,977.76	753.51	36,168.38
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	3,080.00	13.79	42,473.20	49.99	153,961.10
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	12.00	460.01	5,520.12	1,667.49	20,009.88
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	850.00	34.68	29,478.00	125.71	106,854.80
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,000.00	6.62	6,620.00	24.00	23,996.84
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	15.00	184.36	2,765.40	668.29	10,024.30
19	2A7	Casiuri pe taluz Side ditches on slope	m m	18.00	42.15	758.70	152.79	2,750.21
		<b>TOTAL 1</b>				<b>1,774,097.37</b>		<b>6,430,925.54</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	800.00	102.07	81,656.00	369.99	295,994.83
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	63.20	728.41	46,035.51	2,640.41	166,874.13
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	135.00	102.07	13,779.45	369.99	49,949.13
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	25.00	728.41	18,210.25	2,640.41	66,010.34

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	24.00	13,586.94	326,086.56	49,251.30	1,182,031.17
25	2B15D	CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	30.00	102.07	3,062.10	369.99	11,099.81
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	5.50	745.47	4,100.09	2,702.25	14,862.40
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	66.00	98.34	6,490.44	356.47	23,527.20
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	10.50	728.41	7,648.31	2,640.41	27,724.34
29	2C11	Hidroizolatie Waterproofing	m2 m2	2,500.00	31.83	79,575.00	115.38	288,451.42
30	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	40.00	1,081.00	43,240.00	3,918.52	156,740.68
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	450.00	15.38	6,921.00	55.75	25,087.93
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	2,200.00	17.86	39,292.00	64.74	142,429.57
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	27.00	944.00	25,488.00	3,421.91	92,391.45
34	2C14	Guri de scurgere Down pipe	buc. pcs.	12.00	96.77	1,161.24	350.78	4,209.38
		<b>TOTAL 2</b>				<b>702,745.94</b>		<b>2,547,383.77</b>
		<b>TOTAL</b>				<b>2,476,843.31</b>		<b>8,978,309.30</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor BRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES
Investment:	BRASOV - TARGU MURES MOTORWAY
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300
	PASAJ KM 23+ 700
Object:	KM 0+000 - KM 157+300 MOTORWAY
	OVERPASS KM 23 + 700
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500

Faza: S.F.

Phase: F. S.

**LISTA DE CANTITATI NR 15  
BILL OF QUANTITIES No.15**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	52.00	69.24	3,600.48	250.99	13,051.38
2	2B11	Cofreje pentru fundatii (radiere) Shuttering for foundations	m2 m2	67.60	12.09	817.28	43.83	2,962.57
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	300.00	86.59	25,977.00	313.88	94,164.03
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	23.70	656.22	15,552.41	2,378.73	56,375.95
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	23.70	676.03	16,021.91	2,450.54	58,077.83
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	350.00	177.15	62,002.50	642.15	224,752.86
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	31.50	1,037.04	32,666.76	3,759.17	118,413.74



0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	395.50	86.59	34,246.35	313.88	124,139.58
		<b>ELEVATIIL PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,350.00	102.07	137,794.50	369.99	499,491.28
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	107.00	787.86	84,301.02	2,855.91	306,582.77
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	267.00	802.40	214,240.80	2,908.62	776,601.48
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	24.00	136.91	3,285.84	496.29	11,910.84
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	24.00	207.87	4,988.88	753.51	18,084.19
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	1,890.00	13.79	26,063.10	49.99	94,476.13
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	700.00	34.68	24,276.00	125.71	87,998.07
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the barrow pit	m3 m3	850.00	6.62	5,627.00	24.00	20,397.31
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	22.00	184.36	4,055.92	668.29	14,702.30
19	2A7	Casuri pe taluz Side ditches on slope	m m	44.00	42.15	1,854.60	152.79	6,722.74
		<b>TOTAL 1</b>				<b>700,132.41</b>		<b>2,537,909.99</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	24.00	728.41	17,481.84	2,640.41	63,369.92

0	1	2	3	4	5	6	7	8
22	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	24.00	13,586.94	326,086.56	49,251.30	1,182,031.17
23	2B15D	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	20.00	102.07	2,041.40	369.99	7,399.87
24	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	4.00	745.47	2,981.88	2,702.25	10,809.02
25	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	30.00	98.34	2,950.20	356.47	10,694.18
26	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	5.00	728.41	3,642.05	2,640.41	13,202.07
27	2C11	Hidroizolatie Waterproofing	m2 m2	500.00	31.83	15,915.00	115.38	57,690.28
28	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	12.00	1,081.00	12,972.00	3,918.52	47,022.20
29	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5, la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	125.00	15.38	1,922.50	55.75	6,968.87
30	2C12	Calea pe pod Carriageway on the bridge	m2 m2	450.00	17.86	8,037.00	64.74	29,133.32
31	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
32	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>476,958.51</b>		<b>1,728,926.90</b>
		<b>TOTAL</b>				<b>1,177,090.92</b>		<b>4,266,836.89</b>

Proiectant,  
Ing. Trajan BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES
Investment:	BRASOV - TARGU MURES MOTORWAY
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300
	PASAJ KM 24+ 685
Object:	KM 0+000 - KM 157+300 MOTORWAY
Sector:	OVERPASS KM 24 + 685
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500

Faza: S. F.

Phase: F. S.

**LISTA DE CANTITATI NR 16**  
**BILL OF QUANTITIES NO.16**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURASUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	670.00	69.24	46,390.80	250.99	168,162.01
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	871.00	12.09	10,530.39	43.83	38,171.61
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	6,700.00	86.59	580,153.00	313.88	2,102,996.61
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	529.30	656.22	347,337.25	2,378.73	1,259,062.78
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	529.30	676.03	357,822.68	2,450.54	1,297,071.43
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	6,000.00	177.15	1,062,900.00	642.15	3,852,906.21
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	540.00	1,037.04	560,001.60	3,759.17	2,029,949.80

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	6,780.00	86.59	587,080.20	313.88	2,128,107.02
		<b>ELEVATIIL PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	8,000.00	102.07	816,560.00	369.99	2,989,948.34
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	632.00	787.86	497,927.52	2,855.91	1,804,937.47
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	1,580.00	802.40	1,267,792.00	2,908.62	4,585,619.22
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	192.00	136.91	26,286.72	496.29	95,286.73
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	192.00	207.87	39,911.04	753.51	144,673.53
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	11,200.00	13.79	154,448.00	49.99	559,858.56
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,100.00	34.68	38,148.00	125.71	138,282.69
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	20.00	184.36	3,687.20	668.29	13,365.73
19	2A7	Casiuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>6,414,240.45</b>		<b>23,250,980.19</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	3,600.00	102.07	367,452.00	369.99	1,331,976.75
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	285.00	728.41	207,596.85	2,640.41	752,517.82
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	600.00	102.07	61,242.00	369.99	221,996.13
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	109.00	728.41	79,396.69	2,640.41	287,805.06

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	96.00	13,586.94	1,304,346.24	49,251.30	4,728,124.69
25	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	120.00	102.07	12,248.40	369.99	44,399.23
26	2C9B	Armatura PC52 in suprasstructura PC52 reinforcement for superstructure	t t	22.00	745.47	16,400.34	2,702.25	59,449.59
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	295.00	98.34	29,010.30	356.47	105,159.44
28	2C9A	Armatura OB37 in suprasstructura OB37 reinforcement for superstructure	t t	47.00	728.41	34,235.27	2,640.41	124,099.43
29	2C11	Hidroizolatie Waterproofing	m2 m2	13,700.00	31.83	436,071.00	115.38	1,580,713.77
30	2C16B1	Parapet metalic direcional pe suprasstructura Directional metallic guardrail on superstructure	t t	175.00	1,081.00	189,175.00	3,918.52	685,740.46
31	5C18A1	Borduri prefabricate din beton sau piatră 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	2,060.00	15.38	31,682.80	55.75	114,846.98
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	11,700.00	17.86	208,962.00	64.74	757,466.35
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	110.00	944.00	103,840.00	3,421.91	376,409.62
34	2C14	Guri de scurgere Down pipe	buc. pcs.	48.00	96.77	4,644.96	350.78	16,837.52
		<b>TOTAL 2</b>				<b>3,086,303.85</b>		<b>11,187,542.83</b>
		<b>TOTAL</b>				<b>9,500,544.30</b>		<b>34,438,523.01</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Object:	PASAJ KM 28+ 120	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 28 + 120	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 17**  
**BILL OF QUANTITIES No.17**

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO )	RON (05.02.2008)	
						Pret total Total costs (EURO )	Pret total Total cost (RON)
0	1						
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>					
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>					
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	3	4	5	6	7
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m3 m3	200.00	69.24	13,848.00	50,197.62
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m2 m2	260.00	12.09	3,143.40	11,394.51
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	m3 m3	4,100.00	86.59	355,019.00	1,286,908.37
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	324.00	656.22	212,615.28	770,709.13
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	t t	324.00	676.03	219,033.72	793,975.33
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	m m	3,550.00	177.15	628,882.50	2,279,636.17
				320.00	1,037.04	331,852.80	1,202,933.21

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	4,011.50	86.59	347,355.79	313.88	1,259,129.99
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	3,600.00	102.07	367,452.00	369.99	1,331,976.75
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	285.00	787.86	224,540.10	2,855.91	813,935.41
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	711.00	802.40	570,506.40	2,908.62	2,068,028.65
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	112.00	136.91	15,333.92	496.29	55,583.93
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	112.00	207.87	23,281.44	753.51	84,392.89
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	5,040.00	13.79	69,501.60	49.99	251,936.35
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casiuri pe taluz Side ditches on slope	m m	22.00	42.15	927.30	152.79	3,361.37
		<b>TOTAL 1</b>				<b>3,436,135.88</b>		<b>12,455,648.93</b>
20	2B15D	<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b> <b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,100.00	102.07	214,347.00	369.99	776,986.44
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	166.00	728.41	120,916.06	2,640.41	438,308.63
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	350.00	102.07	35,724.50	369.99	129,497.74
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	64.00	728.41	46,618.24	2,640.41	168,986.46

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	56.00	13,586.94	760,868.64	49,251.30	2,758,072.73
25	2B15D	CALE, TROTUAR, PARAPETICARRIGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	70.00	102.07	7,144.90	369.99	25,899.55
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	13.00	745.47	9,691.11	2,702.25	35,129.30
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	170.00	98.34	16,717.80	356.47	60,600.35
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	27.00	728.41	19,667.07	2,640.41	71,291.16
29	2C11	Hidroizolatie Waterproofing	m2 m2	7,300.00	31.83	232,359.00	115.38	842,278.14
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	100.00	1,081.00	108,100.00	3,918.52	391,851.69
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	1,300.00	15.38	19,994.00	55.75	72,476.25
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	6,750.00	17.86	120,555.00	64.74	436,999.82
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	83.00	944.00	78,352.00	3,421.91	284,018.16
34	2C14	Guri de scurgere Down pipe	buc. pcs.	28.00	96.77	2,709.56	350.78	9,821.88
		<b>TOTAL 2</b>				<b>1,793,764.88</b>		<b>6,502,218.31</b>
		<b>TOTAL</b>				<b>5,229,900.76</b>		<b>18,957,867.25</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE V.PERSANI KM 29+ 055	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.PERSANI KM 29 + 055	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 18

### BILL OF QUANTITIES No.18

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEIPIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	80.00	69.24	5,539.20	250.99	20,079.05
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	104.00	12.09	1,257.36	43.83	4,557.80
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,400.00	86.59	121,226.00	313.88	439,432.13
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	110.60	656.22	72,577.93	2,378.73	263,087.75
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	110.60	676.03	74,768.92	2,450.54	271,029.85
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	750.00	177.15	132,862.50	642.15	481,613.28
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	67.50	1,037.04	70,000.20	3,759.17	253,743.72

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	847.50	86.59	73,385.03	313.88	266,013.38
		<b>ELEVATIILE PILE SI CULELE/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,000.00	102.07	204,140.00	369.99	739,987.09
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	158.00	787.86	124,481.88	2,855.91	451,234.37
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	395.00	802.40	316,948.00	2,908.62	1,148,904.81
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	2,800.00	13.79	38,612.00	49.99	139,964.64
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casiuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,286,189.73</b>		<b>4,694,860.74</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	230.00	102.07	23,476.10	369.99	85,098.51
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	18.20	728.41	13,257.06	2,640.41	48,055.52
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
23	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	7.30	728.41	5,317.39	2,640.41	19,275.02

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	2.00	745.47	1,490.94	2,702.25	5,404.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	20.00	98.34	1,966.80	356.47	7,129.45
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	3.20	728.41	2,330.91	2,640.41	8,449.32
29	2C11	Hidroizolatie Waterproofing	m2 m2	800.00	31.83	25,464.00	115.38	92,304.45
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	18.00	1,081.00	19,458.00	3,918.52	70,633.30
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	230.00	15.38	3,537.40	55.75	12,822.72
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	750.00	17.86	13,395.00	64.74	48,555.54
33	2C15C	Dispozitive de acoperire a rosturilor de dilatatie de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>275,799.71</b>		<b>999,746.36</b>
		<b>TOTAL</b>				<b>1,570,988.43</b>		<b>5,694,607.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor PRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	PASAJ KM 30+ 735	
Object:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 30 + 735	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 19

### BILL OF QUANTITIES No.19

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1. INFRASTRUCTURA SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	50.00	69.24	3,462.00	250.99	12,549.40
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	65.00	12.09	785.85	43.83	2,848.63
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	280.00	86.59	24,245.20	313.88	87,886.43
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	175.40	656.22	115,100.99	2,378.73	417,229.57
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	175.40	676.03	118,575.66	2,450.54	429,824.92
6	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	80.00	709.32	56,745.60	2,571.21	205,697.13
		<b>TOTAL 1</b>				<b>318,915.30</b>		<b>1,156,036.07</b>
		<b>2. SUPRASTRUCTURA SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA FRAMING RESISTANCE</b>						
7	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	550.00	102.07	56,138.50	369.99	203,496.45

0	1	2	3	4	5	6	7	8
8	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	43.50	728.41	31,685.84	2,640.41	114,857.98
9	2C11	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Hidroizolatie Waterproofing	m2 m2	300.00	31.83	9,549.00	115.38	34,614.17
10	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	18.00	1,081.00	19,458.00	3,918.52	70,533.30
11	5C18A1	Borduri prefabricate din beton sau piatră 20x25 cm pe fundajie din beton (B 100) Bc 7,5, la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	22.00	15.38	338.36	55.75	1,226.52
12	2C12	Calea pe pod Carriageway on the bridge	m2 m2	270.00	17.86	4,822.20	64.74	17,479.99
		<b>TOTAL 2</b>				<b>121,991.90</b>		<b>442,208.42</b>
		<b>TOTAL</b>				<b>440,907.20</b>		<b>1,598,244.49</b>

Proiectant,  
Ing. Traian BABEANU



Verificat  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD KM 30+ 375	
Object:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE KM 30 + 375	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 20

### BILL OF QUANTITIES No.20

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	120.00	69.24	8,308.80	250.99	30,118.57
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	156.00	12.09	1,886.04	43.83	6,836.71
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	2,700.00	86.59	233,793.00	313.88	847,476.25
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	213.30	656.22	139,971.73	2,378.73	507,383.51
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	231.30	676.03	156,365.74	2,450.54	566,810.17
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	1,700.00	177.15	301,155.00	642.15	1,091,656.76
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	153.00	1,037.04	158,667.12	3,759.17	575,152.44

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	1,921.00	86.59	166,339.39	313.88	602,963.65
		<b>ELEVATII PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	3,100.00	102.07	316,417.00	369.99	1,146,979.98
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	245.00	787.86	193,025.70	2,855.91	699,898.86
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	612.50	802.40	491,470.00	2,908.62	1,781,529.60
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	48.00	136.91	6,571.68	496.29	23,821.68
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	48.00	207.87	9,977.76	753.51	36,168.38
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	4,340.00	13.79	59,848.60	49.99	216,945.19
		<b>RACORDARE CU TERASAMENTE/LEI/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,100.00	34.68	38,148.00	125.71	138,282.69
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	20.00	184.36	3,687.20	668.29	13,365.73
19	2A7	Casuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>2,302,896.81</b>		<b>8,347,770.63</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	700.00	102.07	71,449.00	369.99	258,995.48
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	55.50	728.41	40,426.76	2,640.41	146,542.94
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	110.00	102.07	11,227.70	369.99	40,689.29
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	20.00	728.41	14,568.20	2,640.41	52,808.27

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos.	24.00	13,586.94	326,086.56	49,251.30	1,182,031.17
25	2B15D	CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	30.00	102.07	3,062.10	369.99	11,099.81
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	5.50	745.47	4,100.09	2,702.25	14,862.40
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	60.00	98.34	5,900.40	356.47	21,388.36
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	9.50	728.41	6,919.90	2,640.41	25,083.93
29	2C11	Hidroizolatie Waterproofing	m2 m2	2,400.00	31.83	76,392.00	115.38	276,913.36
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	40.00	1,081.00	43,240.00	3,918.52	156,740.68
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	500.00	15.38	7,690.00	55.75	27,875.48
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	2,200.00	17.86	39,292.00	64.74	142,429.57
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	186,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	12.00	96.77	1,161.24	350.78	4,209.38
		<b>TOTAL 2</b>				<b>703,435.94</b>		<b>2,549,884.92</b>
		<b>TOTAL</b>				<b>3,006,332.74</b>		<b>10,897,855.55</b>

Proiectant,  
Ing. Traian BABEANU



Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN





Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURESMOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD PESTE V.PERSANI KM 32+ 070	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.PERSANI KM 32 + 070	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 21

### BILL OF QUANTITIES No.21

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	130.00	69.24	9,001.20	250.99	32,628.45
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	169.00	12.09	2,043.21	43.83	7,406.43
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	2,700.00	86.59	233,793.00	313.88	847,476.25
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	213.30	656.22	139,971.73	2,378.73	507,383.51
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	213.30	676.03	144,197.20	2,450.54	522,700.43
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	1,550.00	177.15	274,582.50	642.15	995,334.10
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	140.00	1,037.04	145,185.60	3,759.17	526,283.28

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	1,751.50	86.59	151,662.39	313.88	549,760.98
		<b>ELEVATIIL PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,600.00	102.07	265,382.00	369.99	961,983.21
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	205.50	787.86	161,905.23	2,855.91	586,890.27
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	514.00	802.40	412,433.60	2,908.62	1,495,030.56
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	48.00	136.91	6,571.68	496.29	23,821.68
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	48.00	207.87	9,977.76	753.51	36,168.38
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	3,640.00	13.79	50,195.60	49.99	181,954.03
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,866.95
		<b>TOTAL 1</b>				<b>2,080,756.92</b>		<b>7,470,037.76</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	900.00	102.07	91,863.00	369.99	332,994.19
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	71.10	728.41	51,789.95	2,640.41	187,733.39
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	150.00	102.07	15,310.50	369.99	55,499.03
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	27.50	728.41	20,031.28	2,640.41	72,611.37

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	24.00	13,586.94	326,086.56	49,251.30	1,182,031.17
		<b>CALE, TROTUAR, PARAPETICARRIAGEWAY, FOOTWAY,</b>						
25	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	30.00	102.07	3,062.10	369.99	11,099.81
26	2C9B	Armatura PC52 in suprapstructura PC52 reinforcement for superstructure	t t	5.50	745.47	4,100.09	2,702.25	14,862.40
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	80.00	98.34	7,867.20	356.47	28,517.81
28	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	13.00	728.41	9,469.33	2,640.41	34,325.37
29	2C11	Hidroizolatie Waterproofing	m2 m2	3,150.00	31.83	100,264.50	115.38	363,448.79
30	2C16B1	Parapet metalic direcional pe suprapstructura Directional metallic guardrail on superstructure	t t	50.00	1,081.00	54,050.00	3,918.52	195,925.85
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C67.5 of the privated axes road in the courts	m m	600.00	15.38	9,228.00	55.75	33,450.58
32	2C12	Calea pe pod Carrageway on the bridge	m2 m2	2,900.00	17.86	51,794.00	64.74	187,748.07
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	12.00	96.77	1,161.24	350.78	4,209.38
		<b>TOTAL 2</b>				<b>797,997.74</b>		<b>2,892,662.01</b>
		<b>TOTAL</b>				<b>2,858,754.66</b>		<b>10,362,699.77</b>

Proiectant,  
Ing. Traian BABEANU



Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investiment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	VIADUCT KM 36+ 285	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
	VIADUCT KM 36 + 285	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 22

### BILL OF QUANTITIES No.22

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIIL WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERSI AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	230.00	69.24	15,925.20	250.99	57,727.26
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	299.00	12.09	3,614.91	43.83	13,103.69
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	4,800.00	86.59	415,632.00	313.88	1,506,624.44
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	379.20	656.22	248,838.62	2,378.73	902,015.13
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	379.20	676.03	256,350.58	2,450.54	929,245.20
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	3,000.00	177.15	531,450.00	642.15	1,926,453.11
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	270.00	1,037.04	280,000.80	3,759.17	1,014,974.90

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	3,390.00	86.59	293,540.10	313.88	1,064,053.51
		<b>ELEVATII PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	3,500.00	102.07	357,245.00	369.99	1,294,977.40
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	277.00	787.86	218,237.22	2,855.91	791,088.10
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	691.50	802.40	554,859.60	2,908.62	2,011,310.56
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	112.00	136.91	15,333.92	496.29	55,563.93
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	112.00	207.87	23,281.44	753.51	84,392.89
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	4,900.00	13.79	67,571.00	49.99	244,938.12
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,200.00	34.68	41,616.00	125.71	150,853.84
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	20.00	184.36	3,687.20	668.29	13,365.73
19	2A7	Casiuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>3,344,447.64</b>		<b>12,123,288.25</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,600.00	102.07	163,312.00	369.99	591,989.67
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	126.50	728.41	92,143.87	2,640.41	334,012.30
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	260.00	102.07	26,538.20	369.99	96,198.32
23	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	47.30	728.41	34,453.79	2,640.41	124,891.55

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	56.00	13,586.94	760,868.64	49,251.30	2,758,072.73
25	2B15D	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	60.00	102.07	6,124.20	369.99	22,199.61
26	2C9B	Armatura PC52 in suprasstructura PC52 reinforcement for superstructure	t t	11.00	745.47	8,200.17	2,702.25	29,724.80
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	145.00	98.34	14,259.30	356.47	51,888.54
28	2C9A	Armatura OB37 in suprasstructura OB37 reinforcement for superstructure	t t	23.00	728.41	16,753.43	2,640.41	60,729.51
29	2C11	Hidroizolatie Waterproofing	m2 m2	5,500.00	31.83	175,065.00	115.38	634,993.12
30	2C16B1	Parapet metalic direcional pe suprasstructura Directional metallic guardrail on superstructure	t t	75.00	1,081.00	81,075.00	3,918.52	293,888.77
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	980.00	15.38	15,072.40	55.75	54,635.94
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	5,100.00	17.86	91,086.00	64.74	330,177.64
33	2C15C	Dispozitive de acoperire a rosturilor de dilatatie de 50 mm Devices for covering of expansion joints - 50 mm	m m	81.00	944.00	76,464.00	3,421.91	277,174.35
34	2C14	Guri de scurgere Down pipe	buc. pcs.	28.00	96.77	2,709.56	350.78	9,821.88
		<b>TOTAL 2</b>				<b>1,564,125.56</b>		<b>5,669,798.74</b>
		<b>TOTAL</b>				<b>4,908,573.20</b>		<b>17,793,086.99</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	PASAJ PESTE DN 73A KM 36+ 575	
Obiect:	AUTOSTRADA KM 0+000 - KM 157+300	
	OVERPASS KM 36 + 575	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 23

### BILL OF QUANTITIES No.23

1 EURO = 3.6249 RON (05.02.2008)

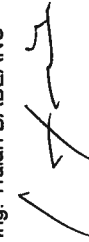
Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERSI AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	80.00	69.24	5,539.20	250.99	20,079.05
2	2B11	Cofreje pentru fundatii (radiere) Shuttering for foundations	m2 m2	104.00	12.09	1,257.36	43.83	4,557.80
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,400.00	86.59	121,226.00	313.88	439,432.13
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	110.60	656.22	72,577.93	2,378.73	263,087.75
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	110.60	676.03	74,768.92	2,450.54	271,029.85
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	750.00	177.15	132,862.50	642.15	481,613.28
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	67.50	1,037.04	70,000.20	3,759.17	253,743.72

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	847.50	86.59	73,385.03	313.88	266,013.38
		<b>ELEVATII PILE SI CULE/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,000.00	102.07	204,140.00	369.99	739,987.09
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	158.00	787.86	124,481.88	2,855.91	451,234.37
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	395.00	802.40	316,948.00	2,908.62	1,148,904.81
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	2,800.00	13.79	38,612.00	49.99	139,964.64
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casiuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,295,169.73</b>		<b>4,694,860.74</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	230.00	102.07	23,476.10	369.99	85,098.51
21	2C9A	Armatura OB37 in suprasstructura OB37 reinforcement for superstructure	t t	18.20	728.41	13,257.06	2,640.41	48,055.52
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
23	2C9A	Armatura OB37 in suprasstructura OB37 reinforcement for superstructure	t t	7.30	728.41	5,317.39	2,640.41	19,275.02



0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	2.00	745.47	1,490.94	2,702.25	5,404.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	20.00	98.34	1,966.80	356.47	7,129.45
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	3.20	728.41	2,330.91	2,640.41	8,449.32
29	2C11	Hidroizolatie Waterproofing	m2 m2	800.00	31.83	25,464.00	115.38	92,304.45
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	18.00	1,081.00	19,458.00	3,918.52	70,533.30
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	230.00	15.38	3,537.40	55.75	12,822.72
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	750.00	17.86	13,395.00	64.74	48,555.54
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>275,799.71</b>		<b>999,746.36</b>
		<b>TOTAL</b>				<b>1,570,969.43</b>		<b>5,694,607.09</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFRAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD PESTE V.SERCAIA KM 37+ 155	
Object:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.SERCAIA KM 37 + 155	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 24

### BILL OF QUANTITIES No.24

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	170.00	69.24	11,770.80	250.99	42,667.97
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	221.00	12.09	2,671.89	43.83	9,685.33
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	3,600.00	86.59	311,724.00	313.88	1,129,968.33
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	284.40	656.22	186,628.97	2,378.73	676,511.35
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	284.40	676.03	192,262.93	2,450.54	696,933.90
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	2,350.00	177.15	416,302.50	642.15	1,509,054.93
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	212.00	1,037.04	219,852.48	3,759.17	796,943.25

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	2,655.50	86.59	229,939.75	313.88	833,508.58
		<b>ELEVATI PILE SI CULE/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	4,600.00	102.07	469,522.00	369.99	1,701,970.30
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	363.50	787.86	286,387.11	2,855.91	1,038,124.64
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	909.00	802.40	729,381.60	2,908.62	2,643,935.36
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	80.00	136.91	10,952.80	496.29	39,702.80
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	80.00	207.87	16,629.60	753.51	60,280.64
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	6,440.00	13.79	88,807.60	49.99	321,918.67
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Piaci de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casiuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>3,226,688.26</b>		<b>11,696,422.26</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,500.00	102.07	153,105.00	369.99	554,990.31
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	119.00	728.41	86,680.79	2,640.41	314,209.20
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	45.50	728.41	33,142.66	2,640.41	120,138.81

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	40.00	13,586.94	543,477.60	49,251.30	1,970,051.95
25	2B15D	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.68
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	9.10	745.47	6,783.78	2,702.25	24,590.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	120.00	98.34	11,800.80	356.47	42,776.72
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	19.00	728.41	13,839.79	2,640.41	50,167.85
29	2C11	Hidroizolatie Waterproofing	m2 m2	5,200.00	31.83	165,516.00	115.38	599,978.95
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	75.00	1,081.00	81,075.00	3,918.52	293,888.77
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	950.00	15.38	14,611.00	55.75	52,963.41
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	4,800.00	17.86	85,728.00	64.74	310,755.43
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	83.00	944.00	78,352.00	3,421.91	284,018.16
34	2C14	Guri de scurgere Down pipe	buc. pos.	20.00	96.77	1,935.40	350.78	7,015.63
		<b>TOTAL 2</b>				<b>1,308,668.81</b>		<b>4,736,543.78</b>
		<b>TOTAL</b>				<b>4,533,357.07</b>		<b>16,432,966.03</b>

Proiectant,  
Ing. Traian BABEANU

*AA 21*

Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

*lungu*

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD PESTE V.ZAMBRIKA KM 38+ 611	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.ZAMBRIKA KM 38 + 611	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 25**  
**BILL OF QUANTITIES No.25**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIIL WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO )	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	80.00	69.24	5,539.20	250.99	20,079.05
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	104.00	12.09	1,257.36	43.83	4,557.80
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,400.00	86.59	121,226.00	313.88	439,432.13
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	110.60	656.22	72,577.93	2,378.73	263,087.75
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	110.60	676.03	74,768.92	2,450.54	271,029.85
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	750.00	177.15	132,862.50	642.15	481,613.28
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	67.50	1,037.04	70,000.20	3,759.17	253,743.72

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	847.50	86.59	73,385.03	313.88	266,013.38
		<b>ELEVATIILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,000.00	102.07	204,140.00	369.99	739,987.09
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	158.00	787.86	124,481.88	2,855.91	451,234.37
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	395.00	802.40	316,948.00	2,908.62	1,148,904.81
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	2,800.00	13.79	38,612.00	49.99	139,964.64
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferuri de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casiuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,295,169.73</b>		<b>4,894,860.74</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	230.00	102.07	23,476.10	369.99	85,098.51
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	18.20	728.41	13,257.06	2,640.41	48,055.52
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	7.30	728.41	5,317.39	2,640.41	19,275.02

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	2.00	745.47	1,490.94	2,702.25	5,404.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	20.00	98.34	1,966.80	356.47	7,129.45
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	3.20	728.41	2,330.91	2,640.41	8,449.32
29	2C11	Hidroizolatie Waterproofing	m2 m2	800.00	31.83	25,464.00	115.38	92,304.45
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	18.00	1,081.00	19,458.00	3,918.52	70,533.30
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	230.00	15.38	3,537.40	55.75	12,822.72
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	750.00	17.86	13,395.00	64.74	48,555.54
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>275,799.71</b>		<b>999,746.36</b>
		<b>TOTAL</b>				<b>1,570,969.43</b>		<b>5,694,607.09</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOȘAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD PESTE V. BALUS KM 38+ 808	
Obiect:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.BALUS KM 38 + 808	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 26

### BILL OF QUANTITIES No.26

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	80.00	69.24	5,539.20	250.99	20,079.05
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	104.00	12.09	1,257.36	43.83	4,557.80
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	1,400.00	86.59	121,226.00	313.88	439,432.13
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	110.60	656.22	72,577.93	2,378.73	263,087.75
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	110.60	676.03	74,768.92	2,450.54	271,029.85
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	750.00	177.15	132,862.50	642.15	481,613.28
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	67.50	1,037.04	70,000.20	3,759.17	253,743.72



0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	847.50	86.59	73,385.03	313.88	266,013.38
		<b>ELEVATIILE SI CULELE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,000.00	102.07	204,140.00	369.99	739,987.09
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	158.00	787.86	124,481.88	2,855.91	451,234.37
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	395.00	802.40	316,948.00	2,908.62	1,148,904.81
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	2,800.00	13.79	38,612.00	49.99	139,964.64
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,000.00	34.68	34,680.00	125.71	125,711.53
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,200.00	6.62	7,944.00	24.00	28,796.21
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	18.00	184.36	3,318.48	668.29	12,029.16
19	2A7	Casuri pe taluz Side ditches on slope	m m	24.00	42.15	1,011.60	152.79	3,666.95
		<b>TOTAL 1</b>				<b>1,295,169.73</b>		<b>4,694,860.74</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	230.00	102.07	23,476.10	369.99	85,098.51
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	18.20	728.41	13,257.06	2,640.41	48,055.52
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	7.30	728.41	5,317.39	2,640.41	19,275.02

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased rear type "U", L=30,00m	buc. pcs.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10.00	102.07	1,020.70	369.99	3,699.94
26	2C9B	Armatura PC52 in suprasstructura PC52 reinforcement for superstructure	t t	2.00	745.47	1,490.94	2,702.25	5,404.51
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	20.00	98.34	1,966.80	356.47	7,129.45
28	2C9A	Armatura OB37 in suprasstructura OB37 reinforcement for superstructure	t t	3.20	728.41	2,330.91	2,640.41	8,449.32
29	2C11	Hidroizolatie Waterproofing	m2 m2	800.00	31.83	25,464.00	115.38	92,304.45
30	2C16B1	Parapet metalic direcional pe suprasstructura Directional metallic guardrail on superstructure	t t	18.00	1,081.00	19,458.00	3,918.52	70,533.30
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	230.00	15.38	3,537.40	55.75	12,822.72
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	750.00	17.86	13,395.00	64.74	48,555.54
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>275,799.71</b>		<b>999,746.36</b>
		<b>TOTAL</b>				<b>1,570,969.43</b>		<b>5,694,607.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE V. URASII KM 39+ 650	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.URASII KM 39 + 650	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 27**  
**BILL OF QUANTITIES No.27**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	300.00	69.24	20,772.00	250.99	75,296.42
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	390.00	12.09	4,715.10	43.83	17,091.77
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	3,000.00	86.59	259,770.00	313.88	941,640.27
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	237.00	656.22	155,524.14	2,378.73	563,759.46
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	237.00	676.03	160,219.11	2,450.54	580,778.25
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	3,200.00	177.15	566,880.00	642.15	2,054,883.31
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	288.00	1,037.04	298,667.52	3,759.17	1,082,639.89

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	3,616.00	86.59	313,109.44	313.88	1,134,990.41
		<b>ELEVATII PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	4,500.00	102.07	459,315.00	369.99	1,664,970.94
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	356.00	787.86	280,478.16	2,855.91	1,016,705.28
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	889.00	802.40	713,333.60	2,908.62	2,585,762.97
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	96.00	136.91	13,143.36	496.29	47,643.37
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	96.00	207.87	19,955.52	753.51	72,336.76
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	6,300.00	13.79	86,877.00	49.99	314,920.44
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,100.00	34.68	38,148.00	125.71	138,282.69
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,995.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	20.00	184.36	3,687.20	668.29	13,365.73
19	2A7	Casiuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>3,411,859.20</b>		<b>12,387,648.41</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,800.00	102.07	183,726.00	369.99	665,988.38
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	142.20	728.41	103,579.90	2,640.41	375,466.79
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
23	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	54.50	728.41	39,698.35	2,640.41	143,902.53

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda caselata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pos.	48.00	13,586.94	652,173.12	49,251.30	2,364,062.34
25	2B15D	CALE, TROTUAR, PARAPET/CARRIWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	70.00	102.07	7,144.90	369.99	25,899.55
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	13.00	745.47	9,691.11	2,702.25	35,129.30
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	165.00	98.34	16,226.10	356.47	58,817.99
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	26.00	728.41	18,938.66	2,640.41	68,650.75
29	2C11	Hidroizolatie Waterproofing	m2 m2	6,600.00	31.83	210,078.00	115.38	761,511.74
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	100.00	1,081.00	108,100.00	3,918.52	391,851.69
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	1,300.00	15.38	19,994.00	55.75	72,476.25
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	5,800.00	17.86	103,588.00	64.74	375,496.14
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	24.00	96.77	2,322.48	350.78	8,418.76
		<b>TOTAL 2</b>				<b>1,557,801.62</b>		<b>5,646,375.08</b>
		<b>TOTAL</b>				<b>4,969,860.82</b>		<b>18,014,523.50</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	POD PESTE V. MANDREI KM 44+ 040	
Object:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.MANDREI KM 44 + 040	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 28**  
**BILL OF QUANTITIES NO.28**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARI WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	390.00	69.24	27,003.60	250.99	97,885.35
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	507.00	12.09	6,129.63	43.83	22,219.30
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	7,800.00	86.59	675,402.00	313.88	2,448,264.71
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	616.20	656.22	404,362.76	2,378.73	1,465,774.58
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	616.20	676.03	416,569.69	2,450.54	1,510,023.45
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	8,900.00	177.15	1,576,635.00	642.15	5,715,144.21
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	801.00	1,037.04	830,669.04	3,759.17	3,011,092.20

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	10,057.00	86.59	870,835.63	313.88	3,156,692.08
		<b>ELEVATII PILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	10,500.00	102.07	1,071,735.00	369.99	3,884,932.20
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	830.00	787.86	653,923.80	2,855.91	2,370,408.38
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	5,074.00	802.40	4,071,377.60	2,908.62	14,758,336.66
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	240.00	136.91	32,858.40	496.29	119,108.41
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	240.00	207.87	49,888.80	753.51	180,841.91
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	14,700.00	13.79	202,713.00	49.99	734,814.35
		<b>RACORDARE CU TERASAMENTE/LE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,100.00	34.68	38,148.00	125.71	138,282.69
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	20.00	184.36	3,687.20	668.29	13,365.73
19	2A7	Casuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>10,949,203.20</b>		<b>39,689,766.68</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	4,500.00	102.07	459,315.00	369.99	1,664,970.94
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	356.00	728.41	259,313.96	2,640.41	939,987.17
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	750.00	102.07	76,552.50	369.99	277,495.16
23	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	136.50	728.41	99,427.97	2,640.41	360,416.43

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	120.00	13,586.94	1,630,432.80	49,251.30	5,910,155.86
25	2B15D	CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	150.00	102.07	15,310.50	369.99	55,499.03
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	27.30	745.47	20,351.33	2,702.25	73,771.54
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	400.00	98.34	39,336.00	356.47	142,589.07
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	63.20	728.41	46,035.51	2,640.41	166,874.13
29	2C11	Hidroizolatie Waterproofing	m2 m2	16,000.00	31.83	509,280.00	115.38	1,846,089.07
30	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	210.00	1,081.00	227,010.00	3,918.52	822,888.55
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5, la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	2,600.00	15.38	39,988.00	55.75	144,952.50
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	14,500.00	17.86	258,970.00	64.74	938,740.35
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	165.00	944.00	155,760.00	3,421.91	564,614.42
34	2C14	Guri de scurgere Down pipe	buc. pcs.	60.00	96.77	5,806.20	350.78	21,046.89
		<b>TOTAL 2</b>				<b>3,842,889.77</b>		<b>13,930,091.12</b>
		<b>TOTAL</b>				<b>14,792,092.97</b>		<b>53,619,357.80</b>

Proiectant,  
Ing. Traian BABEANU



Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAI





Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
Obiect:	POD PESTE V. IAZULUI KM 45+ 665	
Sector:	KM 0+000 - KM 157+300 MOTORWAY	
	BRIDGE OVER V.IAZULUI KM 45 + 665	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 29

### BILL OF QUANTITIES No.29

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIIL WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	200.00	69.24	13,848.00	250.99	50,197.62
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	260.00	12.09	3,143.40	43.83	11,394.51
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	4,100.00	86.59	355,019.00	313.88	1,286,908.37
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	324.00	656.22	212,615.28	2,378.73	770,709.13
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	324.00	676.03	219,033.72	2,450.54	793,975.33
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	2,400.00	177.15	425,160.00	642.15	1,541,162.48
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	216.00	1,037.04	224,000.64	3,759.17	811,979.92

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	2,712.00	86.59	234,832.08	313.88	851,242.81
		<b>ELEVATII PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	5,500.00	102.07	561,385.00	369.99	2,034,964.49
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	434.50	787.86	342,325.17	2,855.91	1,240,894.51
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	1,086.30	802.40	871,647.12	2,908.62	3,159,633.65
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	80.00	136.91	10,952.80	496.29	39,702.80
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	80.00	207.87	16,629.60	753.51	60,280.64
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	7,700.00	13.79	106,183.00	49.99	384,902.76
		<b>RACORDARE CU TERASAMENTE/LEANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,500.00	34.68	52,020.00	125.71	188,567.30
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,800.00	6.62	11,916.00	24.00	43,194.31
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	24.00	184.36	4,424.64	668.29	16,038.88
19	2A7	Casiuri pe taluz Side ditches on slope	m m	30.00	42.15	1,264.50	152.79	4,563.69
		<b>TOTAL 1</b>				<b>3,673,300.10</b>		<b>13,315,345.53</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,200.00	102.07	122,484.00	369.99	443,992.25
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	95.00	728.41	69,198.95	2,640.41	250,839.27
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	1,850.00	102.07	188,829.50	369.99	684,488.05
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	336.20	728.41	244,891.44	2,640.41	887,706.99

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	40.00	13,586.94	543,477.60	49,251.30	1,970,051.95
25	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	45.00	102.07	4,593.15	369.99	16,649.71
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	8.20	745.47	6,112.85	2,702.25	22,158.48
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	90.00	98.34	8,850.60	356.47	32,082.54
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	14.20	728.41	10,343.42	2,640.41	37,493.87
29	2C11	Hidroizolatie Waterproofing	m2 m2	400.00	31.83	12,732.00	115.38	46,152.23
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	60.00	1,081.00	64,860.00	3,918.52	235,111.01
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	720.00	15.38	11,073.60	55.75	40,140.69
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	3,600.00	17.86	64,296.00	64.74	233,066.57
33	2C15C	Dispozitive de acoperire a rosturilor de dilatatie de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	20.00	96.77	1,935.40	350.78	7,015.63
		<b>TOTAL 2</b>				<b>1,405,598.52</b>		<b>5,095,154.07</b>
		<b>TOTAL</b>				<b>5,078,898.62</b>		<b>18,410,499.60</b>

Proiectant,  
Ing. Traian BABEANU



Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	PASAJ KM 46+ 250	
Object:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 46 + 250	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 30**  
**BILL OF QUANTITIES No.30**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO )	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURASUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	35.00	69.24	2,423.40	250.99	8,784.58
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	45.50	12.09	550.10	43.83	1,994.04
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	700.00	86.59	60,613.00	313.88	219,716.06
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	55.30	656.22	36,288.97	2,378.73	131,543.87
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	55.30	676.03	37,384.46	2,450.54	135,514.93
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	920.00	177.15	162,978.00	642.15	590,778.95
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	83.00	1,037.04	86,074.32	3,759.17	312,010.80

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	1,039.60	86.59	90,018.96	313.88	326,309.74
		<b>ELEVATII PILE SICULE/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,050.00	102.07	107,173.50	369.99	388,493.22
10	2B10A	Amatura OB37 in elevatii OB37 reinforcement in elevations	t t	83.00	787.86	65,392.38	2,855.91	237,040.84
11	2B10B	Amatura PC52 in elevatii PC52 reinforcement in elevations	t t	207.40	802.40	166,417.76	2,908.62	603,247.74
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	8.00	136.91	1,095.28	496.29	3,970.28
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	8.00	207.87	1,662.96	753.51	6,028.06
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	1,470.00	13.79	20,271.30	49.99	73,481.44
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,100.00	34.68	38,148.00	125.71	138,282.69
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	2,500.00	6.62	16,550.00	24.00	59,992.10
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	90.00	184.36	16,592.40	668.29	60,145.79
19	2A7	Casiuri pe taluz Side ditches on slope	m m	100.00	42.15	4,215.00	152.79	15,278.95
		<b>TOTAL 1</b>				<b>920,749.93</b>		<b>3,337,626.44</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
21	2C9A	Amatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	24.00	728.41	17,481.84	2,640.41	63,369.92
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.68
23	2C9A	Amatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	9.00	728.41	6,555.69	2,640.41	23,763.72

0	1	2	3	4	5	6	7	8
24	2C1B4A	Grinda casetata tip "U" L=30m Cased ream type "U", L=30,00m	buc. pcs.	8.00	13,586.94	108,695.52	49,251.30	394,010.39
25	2B15D	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	30.00	102.07	3,062.10	369.99	11,099.81
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	5.50	745.47	4,100.09	2,702.25	14,862.40
27	2B15C	Beton clasa C20/25 in elevatii Concrete of C20/25 class for elevations	m3 m3	35.00	98.34	3,441.90	356.47	12,476.54
28	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	5.60	728.41	4,079.10	2,640.41	14,786.32
29	2C11	Hidroizolatie Waterproofing	m2 m2	1,100.00	31.83	35,013.00	115.38	126,918.62
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	42.00	1,081.00	45,402.00	3,918.52	164,577.71
31	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	260.00	15.38	3,998.80	55.75	14,495.25
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	960.00	17.86	17,145.60	64.74	62,151.09
33	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	55.00	944.00	51,920.00	3,421.91	188,204.81
34	2C14	Guri de scurgere Down pipe	buc. pcs.	20.00	96.77	1,935.40	350.78	7,015.63
		<b>TOTAL 2</b>				<b>338,555.53</b>		<b>1,227,229.94</b>
		<b>TOTAL</b>				<b>1,259,305.47</b>		<b>4,564,856.38</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	AUTOSTRADA KM 0+000 - KM 157+300	
	PASAJ KM 47+ 440	
Object:	KM 0+000 - KM 157+300 MOTORWAY	
	OVERPASS KM 47 + 440	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 31**  
**BILL OF QUANTITIES No.31**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEIPIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	300.00	69.24	20,772.00	250.99	75,296.42
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	390.00	12.09	4,715.10	43.83	17,091.77
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	5,700.00	86.59	493,563.00	313.88	1,789,116.52
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	450.30	656.22	295,495.87	2,378.73	1,071,142.96
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	450.30	676.03	304,416.31	2,450.54	1,103,478.68
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	4,000.00	177.15	708,600.00	642.15	2,568,604.14
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	360.00	1,037.04	373,334.40	3,759.17	1,353,299.87

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	4,520.00	86.59	391,386.80	313.88	1,418,738.01
		<b>ELEVATII PILE SICULE/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	6,300.00	102.07	643,041.00	369.99	2,330,959.32
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	498.00	787.86	392,354.28	2,855.91	1,422,245.03
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	1,244.30	802.40	998,426.32	2,908.62	3,619,195.57
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	160.00	136.91	21,905.60	496.29	79,405.61
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	160.00	207.87	33,259.20	753.51	120,561.27
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	8,820.00	13.79	121,627.80	49.99	440,888.61
		<b>RACORDARE CU TERASAMENTE/ENCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	15.00	460.01	6,900.15	1,667.49	25,012.35
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	1,100.00	34.68	38,148.00	125.71	138,282.69
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	20.00	184.36	3,687.20	668.29	13,365.73
19	2A7	Casiuri pe taluz Side ditches on slope	m m	26.00	42.15	1,095.90	152.79	3,972.53
		<b>TOTAL 1</b>				<b>4,861,996.93</b>		<b>17,624,252.65</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	2,300.00	102.07	234,761.00	369.99	850,985.15
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	182.00	728.41	132,570.62	2,640.41	480,555.24
22	2B15E	Beton clasa C32/40 in elevatii Concrete of C32/40 class for elevations	m3 m3	400.00	102.07	40,828.00	369.99	147,997.42
23	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	73.00	728.41	53,173.93	2,640.41	192,750.18



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ SUPERIOR KM 0+860	
Sector:	RE-ESTABILISHME	
	OVERPASS KM 0+860	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 1

### BILL OF QUANTITIES NO.1

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diametre - D= 1200 mm	m m	600.00	177.15	106,290.00	642.15	385,290.62
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	42.00	1,037.04	43,555.68	3,759.17	157,884.98

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	678.00	86.59	58,708.02	313.88	212,810.70
		<b>ELEVATIIL PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	20.00	787.86	15,757.20	2,855.91	57,118.27
11	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	50.00	787.86	39,393.00	2,855.91	142,795.69
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	32.00	136.91	4,381.12	496.29	15,881.12
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	32.00	207.87	6,651.84	753.51	24,112.25
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	350.00	13.79	4,826.50	49.99	17,495.58
		<b>RACORDARE CU TERASAMENTE/EA/CILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	350.00	34.68	12,138.00	125.71	43,999.04
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the barrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
19	2A7	Casiuri pe taluz Side ditches on slope	m m	42.00	42.15	1,770.30	152.79	6,417.16
		<b>TOTAL 1</b>				<b>441,292.33</b>		<b>1,019,090.76</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	170.00	102.07	17,351.90	369.99	62,898.90
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	14.00	728.41	10,197.74	2,640.41	36,965.79
22	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement L=15.00m h=0.93m	buc. pcs.	16.00	3,274.35	52,389.60	11,869.19	189,907.06

0	1	2	3	4	5	6	7	8
23	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement L=21,00m h=0,93m	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15
		<b>CALE, TROTUAR, PARAPET/CARRIWAY, FOOTWAY,</b>						
25	2B14B1	Beton de panta Concrete of C8/10	m3 m3	40.00	69.24	2,769.60	250.99	10,039.52
29	2C11	Hidroizolatie Waterproofing	m2 m2	600.00	31.83	19,098.00	115.38	69,228.34
30	2C16a1	Parapet metalic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
30	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
31	5C18A1	Borduri prefabricate din beton sau piatră 20x25 cm pe fundație din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	160.00	15.38	2,460.80	55.75	8,920.15
32	2C12	Calea pe pod Carriageway on the bridge	m2 m2	550.00	17.86	9,823.00	64.74	35,607.39
33	2C15C	Dispozitive de acoperire a rosturilor de dilatație de 50 mm Devices for covering of expansion joints - 50 mm	m m	60.00	944.00	56,640.00	3,421.91	205,314.34
34	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>281,136.24</b>		<b>1,019,090.76</b>
		<b>TOTAL</b>				<b>722,428.57</b>		<b>2,038,181.51</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ SUPERIOR KM 2+860	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 2+860	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 2  
BILL OF QUANTITIES No.2**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radriere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radriere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radriere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radriere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radriere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diameter - D= 1080 mm	m m	600.00	177.15	106,290.00	642.15	385,290.62
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	42.00	1,037.04	43,555.68	3,759.17	157,884.98

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	678.00	86.59	58,708.02	313.88	212,810.70
		<b>ELEVATII PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	20.00	787.86	15,757.20	2,855.91	57,118.27
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	50.00	802.40	40,120.00	2,908.62	145,430.99
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41 mm) Neoprene bearing devices type 9 - fixed (230x450x41 mm)	buc. pcs.	32.00	136.91	4,381.12	496.29	15,881.12
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	32.00	207.87	6,651.84	753.51	24,112.25
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	350.00	13.79	4,826.50	49.99	17,495.58
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	350.00	34.68	12,138.00	125.71	43,999.04
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the barrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
19	2A7	Casuri pe taluz Side ditches on slope	m m	42.00	42.15	1,770.30	152.79	6,417.16
		<b>TOTAL 1</b>				<b>442,019.33</b>		<b>1,602,276.87</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	170.00	102.07	17,351.90	369.99	62,998.90
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	14.00	728.41	10,197.74	2,640.41	36,965.79
22	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	3,274.35	52,389.60	11,869.19	189,907.06
23	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15

0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
24	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
25	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	7.30	745.47	5,441.93	2,702.25	19,726.46
26	2C11	Hidroizolatie Waterproofing	m2 m2	600.00	31.83	19,098.00	115.38	69,228.34
27	2C16A1	Parapet metalic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
28	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
29	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	160.00	15.38	2,460.80	55.75	8,920.15
30	2C12	Calea pe pod Carriageway on the bridge	m2 m2	550.00	17.86	9,823.00	64.74	35,607.39
31	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	60.00	944.00	56,640.00	3,421.91	205,314.34
32	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>287,891.37</b>		<b>1,043,577.43</b>
		<b>TOTAL</b>				<b>729,910.70</b>		<b>2,645,853.30</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRĂGOMIR

Intocmit,  
Tehn. Maria MOCOFAŢ




Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Object:	PASAJ SUPERIOR KM 6+700	
	RE-ESTABLISHME	
	OVERPASS KM 6+700	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 3  
BILL OF QUANTITIES No.3**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diametre - D= 1080 mm	m m	600.00	177.15	106,290.00	642.15	385,290.62
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	42.00	1,037.04	43,555.68	3,759.17	157,884.98

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	678.00	86.59	58,708.02	313.88	212,810.70
		<b>ELEVATIIL PILE SI CULEI/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	20.00	787.86	15,757.20	2,855.91	57,118.27
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	50.00	802.40	40,120.00	2,908.62	145,430.99
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	32.00	136.91	4,381.12	496.29	15,881.12
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	32.00	207.87	6,651.84	753.51	24,112.25
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	350.00	13.79	4,826.50	49.99	17,495.58
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	350.00	34.68	12,138.00	125.71	43,999.04
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
19	2A7	Casiuri pe taluz Side ditches on slope	m m	42.00	42.15	1,770.30	152.79	6,417.16
		<b>TOTAL 1</b>				<b>442,019.33</b>		<b>1,602,276.87</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	170.00	102.07	17,351.90	369.99	62,898.90
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	14.00	728.41	10,197.74	2,640.41	36,965.79
23	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	3,274.35	52,389.60	11,869.19	189,907.06
24	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15



0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
25	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	7.30	745.47	5,441.93	2,702.25	19,726.46
27	2C11	Hidroizolatie Waterproofing	m2 m2	600.00	31.83	19,098.00	115.38	69,228.34
28	2C16A1	Parapet metallic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
29	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
30	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	160.00	15.38	2,460.80	55.75	8,920.15
31	2C12	Calea pe pod Carriageway on the bridge	m2 m2	550.00	17.86	9,823.00	64.74	35,607.39
32	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	60.00	944.00	56,640.00	3,421.91	205,314.34
33	2C14	Guri de scurgere Down pipe	buc. pos.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>287,891.37</b>		<b>1,043,877.43</b>
		<b>TOTAL</b>				<b>729,910.70</b>		<b>2,645,853.30</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victoria BRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Object:	PASAJ SUPERIOR KM 8+450	
	RE-ESTABLISHME	
	OVERPASS KM 8+450	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 4**  
**BILL OF QUANTITIES No.4**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIIL WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.06
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diametre - D= 1080 mm	m m	600.00	177.15	106,290.00	642.15	385,290.62
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	42.00	1,037.04	43,555.68	3,759.17	157,884.98

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	678.00	86.59	58,708.02	313.88	212,810.70
		<b>ELEVATIILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	20.00	787.86	15,757.20	2,855.91	57,118.27
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	50.00	802.40	40,120.00	2,908.62	145,430.99
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	32.00	136.91	4,381.12	496.29	15,881.12
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	32.00	207.87	6,651.84	753.51	24,112.25
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	350.00	13.79	4,826.50	49.99	17,495.58
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	350.00	34.68	12,138.00	125.71	43,999.04
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
19	2A7	Casiuri pe taluz Side ditches on slope	m m	42.00	42.15	1,770.30	152.79	6,417.16
		<b>TOTAL 1</b>				<b>442,019.33</b>		<b>1,602,276.87</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	170.00	102.07	17,351.90	369.99	62,898.90
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	14.00	728.41	10,197.74	2,640.41	36,965.79
23	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	3,274.35	52,389.60	11,869.19	189,907.06
24	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15

0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
25	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	7.30	745.47	5,441.93	2,702.25	19,726.46
27	2C11	Hidroizolatie Waterproofing	m2 m2	600.00	31.83	19,098.00	115.38	69,228.34
28	2C16A1	Parapet metalic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
29	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
30	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	160.00	15.38	2,460.80	55.75	8,920.15
31	2C12	Calea pe pod Carriageway on the bridge	m2 m2	550.00	17.86	9,823.00	64.74	35,607.39
32	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	60.00	944.00	56,640.00	3,421.91	205,314.34
33	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>287,991.37</b>		<b>1,043,577.43</b>
		<b>TOTAL</b>				<b>729,910.70</b>		<b>2,846,853.30</b>

Proiectant,  
Ing. Traian BABEANU



Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect:	RESTABILIRI LAGATURI RUTIERE	
	PASAJ KM 10+891	
Obiect:	RE-ESTABLISHME	
	OVERPASS KM 10+891	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 5**  
**BILL OF QUANTITIES No.5**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIIL WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATIIL PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,555.02</b>		<b>408,000.69</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement L=7,00m h=0,42m	buc. pos.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,945.14
14	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5, la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>195,994.12</b>		<b>710,459.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAEOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ SUPERIOR KM 15+730	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 15+730	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 6  
BILL OF QUANTITIES No.6**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diameter - D= 1080 mm	m m	600.00	177.15	106,290.00	642.15	385,290.62
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	42.00	1,037.04	43,555.68	3,759.17	157,884.98

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in colbane Concrete of C20/25	m3 m3	678.00	86.59	58,708.02	313.88	212,810.70
		<b>ELEVATIILE SI CULEI/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	20.00	787.86	15,757.20	2,855.91	57,118.27
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	50.00	802.40	40,120.00	2,908.62	145,430.99
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41 mm)	buc. pcs.	32.00	136.91	4,381.12	496.29	15,881.12
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	32.00	207.87	6,651.84	753.51	24,112.25
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	350.00	13.79	4,826.50	49.99	17,495.58
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	350.00	34.68	12,138.00	125.71	43,999.04
17	5A16C	Umplutura cu pământ din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	688.29	28,068.04
19	2A7	Casuri pe taluz Side ditches on slope	m m	42.00	42.15	1,770.30	152.79	6,417.16
		<b>TOTAL 1</b>				<b>442,019.33</b>		<b>1,602,276.87</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	170.00	102.07	17,351.90	369.99	62,898.90
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	14.00	728.41	10,197.74	2,640.41	36,965.79
23	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement L=15.00m h=0.93m	buc. pcs.	16.00	3,274.35	52,369.60	11,869.19	189,907.06
24	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement L=21.00m h=0.93m	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15



0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
25	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	7.30	745.47	5,441.93	2,702.25	19,726.46
27	2C11	Hidroizolatie Waterproofing	m2 m2	600.00	31.83	19,098.00	115.38	69,228.34
28	2C16A1	Parapet metallic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
29	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
30	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatii din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	160.00	15.38	2,460.80	55.75	8,920.15
31	2C12	Calea pe pod Carriageway on the bridge	m2 m2	550.00	17.86	9,823.00	64.74	35,607.39
32	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	60.00	944.00	56,640.00	3,421.91	205,314.34
33	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>287,891.37</b>		<b>1,043,677.43</b>
		<b>TOTAL</b>				<b>729,910.70</b>		<b>2,645,653.30</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFEAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Object:	PASAJ SUPERIOR KM 16+530	
Sector:	RE-ESTABLISHME OVERPASS KM 16+530	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 7**  
**BILL OF QUANTITIES No.7**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diameter - D= 1080 mm	m m	600.00	177.15	106,290.00	642.15	385,290.62
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	42.00	1,037.04	43,555.68	3,759.17	157,884.98

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	678.00	86.59	58,708.02	313.88	212,810.70
		<b>ELEVATII PILE SI CULE/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	250.00	102.07	25,517.50	369.99	92,498.39
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	20.00	787.86	15,757.20	2,855.91	57,118.27
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	50.00	802.40	40,120.00	2,908.62	145,430.99
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41 mm) Neoprene bearing devices type 9 - fixed (230x450x41 mm)	buc. pcs.	32.00	136.91	4,381.12	496.29	15,881.12
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	32.00	207.87	6,651.84	753.51	24,112.25
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	350.00	13.79	4,826.50	49.99	17,495.58
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	350.00	34.68	12,138.00	125.71	43,999.04
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	1,400.00	6.62	9,268.00	24.00	33,595.57
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
19	2A7	Casiuri pe taluz Side ditches on slope	m m	42.00	42.15	1,770.30	152.79	6,417.16
		<b>TOTAL 1</b>				<b>442,019.33</b>		<b>1,602,276.87</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	170.00	102.07	17,351.90	369.99	62,898.90
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	14.00	728.41	10,197.74	2,640.41	36,965.79
23	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement L=15.00m h=0.93m	buc. pcs.	16.00	3,274.35	52,369.60	11,869.19	189,907.06

0	1	2	3	4	5	6	7	8
24	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement L=21,00m h=0,93m	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15
25	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIGEMWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
26	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	7.30	745.47	5,441.93	2,702.25	19,726.46
27	2C11	Hidroizolatie Waterproofing	m2 m2	600.00	31.83	19,098.00	115.38	69,228.34
28	2C16A1	Parapet metallic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
29	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
30	5C18A1	Borduri prefabricate din beton sau piatră 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	160.00	15.36	2,460.80	55.75	8,920.15
31	2C12	Calea pe pod Carriageway on the bridge	m2 m2	550.00	17.86	9,823.00	64.74	35,607.39
32	2C15C	Dispozitive de acoperire a rosturilor de dilatație de 50 mm Devices for covering of expansion joints - 50 mm	m m	60.00	944.00	56,640.00	3,421.91	205,314.34
33	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>287,891.37</b>		<b>1,043,677.43</b>
		<b>TOTAL</b>				<b>729,910.70</b>		<b>2,645,863.30</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor-DAN COMJIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 17+712	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 17+712	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 8**  
**BILL OF QUANTITIES No.8**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Piaci de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,556.02</b>		<b>408,000.89</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement	buc. pcs.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direcional pe suprapstructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7.5. la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>196,994.12</b>		<b>710,459.09</b>

Proiectant,  
Ing. Traian BABEANU  


Verificat,  
Ing. Victor SARA GOMBA  


Intocmit,  
Tehn. Maria MOCOFAN  


Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
	PASAJ PESTE DRUM EXPLOATARE KM 18+382	
Obiect:	RE-ESTABLISHME	
	OVERPASS KM 18+382	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

## LISTA DE CANTITATI NR 9

### BILL OF QUANTITIES No.9

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuni pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,555.02</b>		<b>408,000.69</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7.00m h=0.42m Precast prestressed beams with adherent reinforcement	buc. pcs.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatii din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>196,994.12</b>		<b>710,459.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGONIR

Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 19+342	
	RE-ESTABLISHME	
	OVERPASS KM 19+342	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 10

### BILL OF QUANTITIES No.10

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIILOR WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprjin in debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,556.02</b>		<b>408,000.89</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprasstructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement L=7,00m h=0,42m	buc. pos.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direcional pe suprasstructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundajele din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C67.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>196,994.12</b>		<b>710,469.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 20+802	
Sector:	RE-ESTABLISHIME	
	OVERPASS KM 20+802	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 11**  
**BILL OF QUANTITIES No.11**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,555.02</b>		<b>408,000.89</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement	buc. pcs.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>186,994.12</b>		<b>710,469.09</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOIFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Object:	PASAJ PESTE DRUM EXPLOATARE KM 21+751	
Sector:	RE-ESTABLISHME OVERPASS KM 21+751	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 12**  
**BILL OF QUANTITIES No.12**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Coraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,556.02</b>		<b>408,000.89</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement L=7,00m h=0,42m	buc. pcs.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic directional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,916.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,438.10</b>		<b>302,488.39</b>
		<b>TOTAL</b>				<b>195,994.12</b>		<b>710,489.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
	PASAJ KM 23+ 440	
Object:	RE-ESTABLISHME	
	OVERPASS KM 23 + 440	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 13**  
**BILL OF QUANTITIES No.13**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO )	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radlere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radlere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radlere) Concrete of C20/25 class for foundations	m3 m3	600.00	86.59	51,954.00	313.88	188,328.05
4	2B6A	Armatura OB37 in fundatii (radlere) OB37 reinforcement for foundation (inverts)	t t	50.00	656.22	32,811.00	2,378.73	118,936.59
5	2B8B	Armatura PC52 in fundatii (radlere) PC52 reinforcement for foundation (inverts)	t t	50.00	676.03	33,801.50	2,450.54	122,527.06
6	2B4F	Forarea pilotilor de diametru mare - F=1200mm Drilling of piles with a large diameter - D= 1200 mm	m m	680.00	177.15	120,462.00	642.15	436,662.70
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	65.00	1,037.04	67,407.60	3,759.17	244,345.81

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	768.40	86.59	66,535.76	313.88	241,185.46
		<b>ELEVATII PILE SI CULE/PIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	350.00	102.07	35,724.50	369.99	129,497.74
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	28.00	787.86	22,060.08	2,855.91	79,965.58
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	70.00	802.40	56,168.00	2,908.62	203,603.38
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pos.	5.00	136.91	684.55	496.29	2,481.43
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pos.	5.00	207.87	1,039.35	753.51	3,767.54
14	2B12A	Coraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	490.00	13.79	6,757.10	49.99	24,493.81
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	600.00	34.68	20,808.00	125.71	75,426.92
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	2,500.00	6.62	16,550.00	24.00	59,992.10
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	50.00	184.36	9,218.00	668.29	33,414.33
19	2A7	Casuri pe taluz Side ditches on slope	m m	50.00	42.15	2,107.50	152.79	7,639.48
		<b>TOTAL 1</b>				<b>662,796.99</b>		<b>2,003,830.17</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	850.00	102.07	86,759.50	369.99	314,494.51
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	68.00	728.41	49,531.88	2,640.41	179,546.11
22	2C1A16A	Grinzii pref. prec. cu armatura aderenta L=26.00m h=0.93m Precast prestressed beams with adherent reinforcement L=26.00m h=0.93m	buc. pos.	18.00	4,659.20	83,865.60	16,889.13	304,004.41
23	2C1A17B	Grinzii pref. prec. cu armatura aderenta L=26.00m h=0.93m Precast prestressed beams with adherent reinforcement L=26.00m h=0.93m	buc. pos.	18.00	6,056.96	109,025.28	21,955.87	395,205.74



0	1	2	3	4	5	6	7	8
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
24	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.88
25	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	9.00	745.47	6,709.23	2,702.25	24,320.29
26	2C11	Hidroizolatie Waterproofing	m2 m2	850.00	31.83	27,055.50	115.38	98,073.48
27	2C16A1	Parapet metallic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	25.00	1,081.00	27,025.00	3,918.52	97,962.92
28	2C16B1	Parapet metallic directional pe suprastructura Directional metallic guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
29	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	200.00	15.38	3,076.00	55.75	11,150.19
30	2C12	Calea pe pod Carriageway on the bridge	m2 m2	800.00	17.86	14,288.00	64.74	51,792.57
31	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	25.00	944.00	23,600.00	3,421.91	85,547.64
32	2C14	Gurti de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>459,207.81</b>		<b>1,664,582.39</b>
		<b>TOTAL</b>				<b>1,012,003.80</b>		<b>3,668,412.66</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOIFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	POD PESTE V.PERSANI KM 25+ 700	
Sector:	RE-ESTABLISHME	
	BRIDGE KM 25 + 700	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 14

### BILL OF QUANTITIES No.14

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	50.00	69.24	3,462.00	250.99	12,549.40
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	65.00	12.09	785.85	43.83	2,848.63
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	280.00	86.59	24,245.20	313.88	87,886.43
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	23.00	656.22	15,093.06	2,378.73	54,710.83
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	23.00	676.03	15,548.69	2,450.54	56,362.45
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
6	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	80.00	709.32	56,745.60	2,571.21	205,697.13
		<b>TOTAL 1</b>				<b>115,880.40</b>		<b>420,054.86</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
7	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	550.00	102.07	56,138.50	369.99	203,496.45

0	1	2	3	4	5	6	7	8
8	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	44.00	728.41	32,050.04	2,640.41	116,178.19
9	2C11	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Hidroizolatie Waterproofing	m2 m2	300.00	31.83	9,549.00	115.38	34,614.17
10	2C16B1	Parapet metallic direccional pe suprastructura Directional metallic guardrail on superstructure	t t	18.00	1,081.00	19,458.00	3,918.52	70,533.30
11	5C18A1	Borduri prefabricate din beton sau piatră 20x25 cm pe fundajie din beton (B 100) Bc 7,5 ,la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	22.00	15.38	338.36	55.75	1,226.52
12	2C12	Calea pe pod Carriageway on the bridge	m2 m2	270.00	17.86	4,822.20	64.74	17,479.99
		<b>TOTAL 2</b>				<b>122,356.10</b>		<b>443,528.63</b>
		<b>TOTAL</b>				<b>238,236.50</b>		<b>863,883.49</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFA

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURII RUTIERE	
Obiect:	PASAJ KM 26+ 660	
Obiect:	RE-ESTABLISHME	
Sector:	OVERPASS KM 26 + 660	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 15**  
**BILL OF QUANTITIES No.15**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UIM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO )	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	390.00	86.59	33,770.10	313.88	122,413.24
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	30.00	656.22	19,686.60	2,378.73	71,361.96
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	30.00	676.03	20,280.90	2,450.54	73,516.23
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
6	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	80.00	709.32	56,745.60	2,571.21	205,697.13
		<b>TOTAL 1</b>				<b>136,430.19</b>		<b>494,545.80</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
7	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	770.00	102.07	78,593.90	369.99	284,895.03
8	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	62.00	728.41	45,161.42	2,640.41	163,705.63
		<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b>						
9	2C11	Hidroizolatie Waterproofing	m2 m2	420.00	31.83	13,368.60	115.38	48,459.84
		<b>TOTAL 2</b>				<b>137,123.92</b>		<b>497,060.50</b>
		<b>TOTAL</b>				<b>273,554.11</b>		<b>991,806.29</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Object:	PASAJ SUPERIOR KM 29+ 210	
	RE-ESTABLISHME	
	OVERPASS KM 29 + 210	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 16**  
**BILL OF QUANTITIES No.16**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEIPIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	600.00	86.59	51,954.00	313.88	188,328.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	50.00	656.22	32,811.00	2,378.73	118,936.59
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	50.00	676.03	33,801.50	2,450.54	122,527.06
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diameter - D= 1080 mm	m m	680.00	177.15	120,462.00	642.15	436,662.70
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	65.00	1,037.04	67,407.60	3,759.17	244,345.81

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	768.40	86.59	66,535.76	313.88	241,185.46
		<b>ELEVATIILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	350.00	102.07	35,724.50	369.99	129,497.74
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	28.00	787.86	22,060.08	2,855.91	79,965.58
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	70.00	802.40	56,168.00	2,908.62	203,803.38
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	5.00	136.91	684.55	496.29	2,481.43
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	5.00	207.87	1,039.35	753.51	3,767.54
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	490.00	13.79	6,757.10	49.99	24,493.81
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	600.00	34.68	20,808.00	125.71	75,426.92
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	2,500.00	6.62	16,550.00	24.00	59,992.10
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	50.00	184.36	9,218.00	668.29	33,414.33
19	2A7	Casiuri pe taluz Side ditches on slope	m m	50.00	42.15	2,107.50	152.79	7,639.48
		<b>TOTAL 1</b>				<b>552,795.99</b>		<b>2,003,830.17</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	850.00	102.07	86,759.50	369.99	314,494.51
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	68.00	728.41	49,531.88	2,640.41	179,548.11
22	2C1A16A	Grinzi pref. prec. cu armatura aderenta L=20,00m h=0,93m Precast prestressed beams with adherent reinforcement L=20,00m h=0,93m	buc. pcs.	18.00	4,659.20	83,865.60	16,889.13	304,004.41

0	1	2	3	4	5	6	7	8
23	2C1A17B	Grinzi pref. prec. cu armatura aderenta L=26,00m h=0,93m Precast prestressed beams with adherent reinforcement L=26,00m h=0,93m	buc. pcs.	18.00	6,056.96	109,025.28	21,955.87	395,205.74
24	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.68
25	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	9.10	745.47	6,783.78	2,702.25	24,890.51
26	2C11	Hidroizolatie Waterproofing	m2 m2	850.00	31.83	27,055.50	115.38	98,073.48
27	2C16A1	Parapet metalic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	25.00	1,081.00	27,025.00	3,918.52	97,962.92
28	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
29	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7.5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	200.00	15.38	3,076.00	55.75	11,150.19
30	2C12	Calea pe pod Carriageway on the bridge	m2 m2	800.00	17.86	14,288.00	64.74	51,792.57
31	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	25.00	944.00	23,600.00	3,421.91	85,547.64
32	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>459,282.36</b>		<b>1,664,852.62</b>
		<b>TOTAL</b>				<b>1,012,078.34</b>		<b>3,668,882.79</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Object:	PASAJ PESTE DRUM EXPLOATARE KM 29+572	
	RE-ESTABLISHME	
	OVERPASS KM 29+572	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 17

### BILL OF QUANTITIES No.17

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	666.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,556.02</b>		<b>408,000.69</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement	buc. pos.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carrigeway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>196,994.12</b>		<b>710,459.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 30+242	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 30+242	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 18

### BILL OF QUANTITIES NO.18

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIIL WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	60.00	69.24	4,154.40	250.99	15,059.28
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	78.00	12.09	943.02	43.83	3,418.35
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	80.00	709.32	56,745.60	2,571.21	205,697.13
		<b>TOTAL 1</b>				<b>108,403.72</b>		<b>392,952.64</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
7	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
8	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	24.00	728.41	17,481.84	2,640.41	63,369.92
		<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b>						
9	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
		<b>TOTAL 2</b>				<b>56,060.34</b>		<b>203,213.13</b>
		<b>TOTAL</b>				<b>184,464.06</b>		<b>596,166.77</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Object:	PASAJ PESTE DRUM EXPLOATARE KM 31+562	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 31+562	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 19**  
**BILL OF QUANTITIES No.19**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UIM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,666.02</b>		<b>408,000.89</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement	buc. pes.	40.00	892.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatii din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>195,994.12</b>		<b>710,459.09</b>

Proiectant.  
Ing. Traian BABEANU



Verificat.  
Ing. Victor DRAGONAR

Intocmit.  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 31+832	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 31+832	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 20

### BILL OF QUANTITIES NO.20

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	60.00	69.24	4,154.40	250.99	15,059.28
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	78.00	12.09	943.02	43.83	3,418.35
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
6	3B1B	<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b> Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	80.00	709.32	56,745.60	2,571.21	205,697.13
		<b>TOTAL 1</b>				<b>108,403.72</b>		<b>392,962.64</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
7	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
8	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	24.00	728.41	17,481.84	2,640.41	63,369.92
		<b>CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY,</b>						
9	2C11	Hidroizolatie Waterproofing	m2 m2	700.00	31.83	22,281.00	115.38	80,766.40
		<b>TOTAL 2</b>				<b>70,383.84</b>		<b>255,134.38</b>
		<b>TOTAL</b>				<b>178,787.66</b>		<b>648,087.03</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Vieta DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFAN





Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ SUPERIOR KM 32+ 825	
	RE-ESTABLISHME	
	OVERPASS KM 32 + 825	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 21**  
**BILL OF QUANTITIES No.21**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price ( EURO )	Pret total Total costs ( EURO )	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	20.00	69.24	1,384.80	250.99	5,019.76
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	26.00	12.09	314.34	43.83	1,139.45
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	350.00	86.59	30,306.50	313.88	109,858.03
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	28.00	656.22	18,374.16	2,378.73	66,604.49
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	28.00	676.03	18,928.84	2,450.54	68,615.15
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diameter - D= 1080 mm	m m	450.00	177.15	79,717.50	642.15	288,967.97
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diameter	t t	35.00	1,037.04	36,296.40	3,759.17	131,570.82

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	508.50	86.59	44,031.02	313.88	159,608.03
		<b>ELEVATIILE SI CULE/PIERSI AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	1,200.00	102.07	122,484.00	369.99	443,992.25
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	95.00	787.86	74,846.70	2,855.91	271,311.80
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	238.00	802.40	190,971.20	2,908.62	692,251.50
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	16.00	136.91	2,190.56	496.29	7,940.56
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	16.00	207.87	3,325.92	753.51	12,056.13
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	1,680.00	13.79	23,167.20	49.99	83,978.78
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferfuri de con Pitching at the cone quarters	m2 m2	120.00	34.68	4,161.60	125.71	15,085.38
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	450.00	6.62	2,979.00	24.00	10,798.58
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	4.00	184.36	737.44	668.29	2,673.15
19	2A7	Casuri pe taluz Side ditches on slope	m m	7.00	42.15	295.05	152.79	1,069.53
		<b>TOTAL 1</b>				<b>657,272.29</b>		<b>2,382,546.31</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	90.00	102.07	9,186.30	369.99	33,299.42
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	7.00	728.41	5,098.87	2,640.41	18,482.89
22	2C1A12	Grinzii pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement L=21,00m h=0,93m	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15

0	1	2	3	4	5	6	7	8
23	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement L=15,00m h=0,93m	buc. pcs.	16.00	3,274.35	52,389.60	11,869.19	189,907.06
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
24	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	25.00	102.07	2,551.75	369.99	9,249.84
25	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	4.50	745.47	3,354.62	2,702.25	12,160.14
26	2C11	Hidroizolatie Waterproofing	m2 m2	450.00	31.83	14,323.50	115.38	51,921.26
27	2C16A1	Parapet metallic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	12.00	1,081.00	12,972.00	3,918.52	47,022.20
28	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	10.00	1,081.00	10,810.00	3,918.52	39,185.17
29	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	210.00	15.38	3,229.80	55.75	11,707.70
30	2C12	Calea pe pod Carriageway on the bridge	m2 m2	300.00	17.86	5,358.00	64.74	19,422.21
31	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	26.00	944.00	24,544.00	3,421.91	88,969.55
32	2C14	Guri de scurgere Down pipe	buc. pcs.	4.00	96.77	387.08	350.78	1,403.13
		<b>TOTAL 2</b>				<b>214,146.80</b>		<b>776,260.72</b>
		<b>TOTAL</b>						

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victoria PRACOMIR

Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ SUPERIOR KM 33+ 875	
	RE-ESTABLISHME	
	OVERPASS KM 33 + 875	
Sector:	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 22

### BILL OF QUANTITIES No.22

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	600.00	86.59	51,954.00	313.88	188,328.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	50.00	656.22	32,811.00	2,378.73	118,936.59
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	50.00	676.03	33,801.50	2,450.54	122,527.06
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diametre - D= 1080 mm	m m	680.00	177.15	120,462.00	642.15	436,662.70
7	2B9B	Armatura PC52 in piloti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	65.00	1,037.04	67,407.60	3,759.17	244,345.81

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	768.40	86.59	66,535.76	313.88	241,185.46
<b>ELEVATII PILE SI CULE/PIERS AND ABUTMENTS FOUNDATION</b>								
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	350.00	102.07	35,724.50	369.99	129,497.74
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	28.00	787.86	22,060.08	2,855.91	79,965.58
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	70.00	802.40	56,168.00	2,908.62	203,603.38
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	5.00	136.91	684.55	496.29	2,481.43
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	5.00	207.87	1,039.35	753.51	3,767.54
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	490.00	13.79	6,757.10	49.99	24,493.81
<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>								
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	600.00	34.68	20,808.00	125.71	75,426.92
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	2,500.00	6.62	16,550.00	24.00	59,992.10
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	50.00	184.36	9,218.00	668.29	33,414.33
19	2A7	Casiuri pe taluz Side ditches on slope	m m	50.00	42.15	2,107.50	152.79	7,639.48
<b>TOTAL 1</b>						<b>552,795.99</b>		<b>2,003,830.17</b>
<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>								
<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>								
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	850.00	102.07	86,759.50	369.99	314,494.51
21	2C9A	Armatura OB37 in suprapstructura OB37 reinforcement for superstructure	t t	68.00	728.41	49,531.88	2,640.41	179,548.11
22	2C1A16A	Grinzi pref. prec. cu armatura aderenta L=20,00m h=0,93m Precast prestressed beams with adherent reinforcement L=2,00m h=0,93m	buc. pcs.	18.00	4,659.20	83,865.60	16,889.13	304,004.41

0	1	2	3	4	5	6	7	8
23	2C1A17B	Grinzi pref. prec. cu armatura aderenta L=26,00m h=0,93m Precast prestressed beams with adherent reinforcement L=26,00m h=0,93m	buc. pos.	18.00	6,056.96	109,025.28	21,955.87	395,205.74
24	2B15D	<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b> Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	50.00	102.07	5,103.50	369.99	18,499.68
25	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	9.00	745.47	6,709.23	2,702.25	24,320.29
26	2C11	Hidroizolatie Waterproofing	m2 m2	850.00	31.83	27,055.50	115.38	98,073.48
27	2C16A1	Parapet metallic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	25.00	1,081.00	27,025.00	3,918.52	97,962.92
28	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
29	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5, la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C67.5 of the private axes road in the courts	m m	200.00	15.38	3,076.00	55.75	11,150.19
30	2C12	Calea pe pod Carriageway on the bridge	m2 m2	800.00	17.86	14,288.00	64.74	51,792.57
31	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	25.00	944.00	23,600.00	3,421.91	85,547.64
32	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>459,207.81</b>		<b>1,664,582.39</b>
		<b>TOTAL</b>				<b>1,012,003.80</b>		<b>3,668,412.56</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. ~~Victor DRAGOMIR~~

Intocmit,  
Tehn. Maria MOCOFAN

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 33+956	
Sector:	RE-ESTABLISHME OVERPASS KM 33+956	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 23**  
**BILL OF QUANTITIES No.23**

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENITELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,555.02</b>		<b>408,000.89</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	2.00	728.41	1,456.82	2,640.41	5,280.83
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement	buc. pcs.	40.00	882.48	35,299.20	3,196.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>87,294.36</b>		<b>316,433.33</b>
		<b>TOTAL</b>				<b>199,849.38</b>		<b>724,434.02</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRA GOMIR



Intocmit,  
Tehn. Maria MOCOFAN





Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	POD PESTE V.GAVANUL KM 33+ 980	
Obiect:	RE-ESTABLISHME	
Sector:	BRIDGE OVER V.GAVANUL KM 33 + 980	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

## LISTA DE CANTITATI NR 24

### BILL OF QUANTITIES No.24

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO )	Pret total Total costs ( EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI/PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	80.00	69.24	5,539.20	250.99	20,079.05
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	104.00	12.09	1,257.36	43.83	4,557.80
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	440.00	86.59	38,099.60	313.88	138,107.24
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	35.00	656.22	22,967.70	2,378.73	83,255.62
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	35.00	676.03	23,661.05	2,450.54	85,768.94
6	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	80.00	709.32	56,745.60	2,571.21	205,697.13
		<b>TOTAL 1</b>				<b>148,270.51</b>		<b>537,465.77</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
7	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	880.00	102.07	89,821.60	369.99	325,594.32

0	1	2	3	4	5	6	7	8
8	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	70.00	728.41	50,988.70	2,640.41	184,828.94
9	2C11	CALE, TROTUAR, PARAPET/CARRIGEWAY, FOOTWAY, Hidroizolatie Waterproofing	m2 m2	480.00	31.83	15,278.40	115.38	55,382.67
10	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
11	5C18A1	Borduri prefabricate din beton sau piatră 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	36.00	15.38	553.68	55.75	2,007.03
12	2C12	Calea pe pod Carriageway on the bridge	m2 m2	430.00	17.86	7,679.80	64.74	27,838.51
		<b>TOTAL 2</b>				<b>167,865.18</b>		<b>607,407.02</b>
		<b>TOTAL</b>				<b>315,835.69</b>		<b>1,144,872.79</b>

Proiectant,  
Ing. Traian BABEANU



Verificat  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFA



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 37+409	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 37+409	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

## LISTA DE CANTITATI NR 25

### BILL OF QUANTITIES No.25

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARIII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTE/ANCILLARY WORKS</b>						
6	2B18D	Piaci de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98
		<b>TOTAL 1</b>				<b>112,666.02</b>		<b>408,000.89</b>

0	1	2	3	4	5	6	7	8
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement	buc. pcs.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic directional pe suprastructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concret prefabricated kerbs on C6/7.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>198,994.12</b>		<b>710,469.09</b>

Proiectant,  
Ing. Traian BABEANU

*Traian Babeanu*

Verificat,  
Ing. Victor DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAN

*Maria Mocofan*

Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ SUPERIOR KM 41+ 815	
Obiect:	RE-ESTABLISHME	
Sector:	OVERPASS KM 41 + 815	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

**LISTA DE CANTITATI NR 26**  
**BILL OF QUANTITIES NO.26**

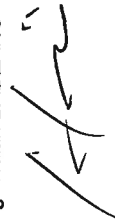
1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO)	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULE/PIERSI AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	500.00	86.59	43,295.00	313.88	156,940.05
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	40.00	656.22	26,248.80	2,378.73	95,149.28
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	40.00	676.03	27,041.20	2,450.54	98,021.65
6	2B4A	Forarea pilotilor de diametru mare - F=1080mm Drilling of piles with a large diametre - D= 1080 mm	m m	650.00	177.15	115,147.50	642.15	417,398.17
7	2B9B	Armatura PC52 in pilotti forati de diametru mare PC52 reinforcement for driller column of big diametre	t t	46.00	1,037.04	47,703.84	3,759.17	172,921.65

0	1	2	3	4	5	6	7	8
8	2B14F	Beton clasa C20/25 in coloane Concrete of C20/25	m3 m3	734.50	86.59	63,600.36	313.88	230,544.93
		<b>ELEVATII PILE SI CULEIPIERS AND ABUTMENTS FOUNDATION</b>						
9	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	300.00	102.07	30,621.00	369.99	110,998.06
10	2B10A	Armatura OB37 in elevatii OB37 reinforcement in elevations	t t	24.00	787.86	18,908.64	2,855.91	68,541.93
11	2B10B	Armatura PC52 in elevatii PC52 reinforcement in elevations	t t	60.00	802.40	48,144.00	2,908.62	174,517.19
12	2B16A5	Aparate de reazem din neopren tip 9 - fixe (230x450x41mm) Neoprene bearing devices type 9 - fixed (230x450x41mm)	buc. pcs.	32.00	136.91	4,381.12	496.29	15,881.12
13	2B16A6	Aparate de reazem din neopren tip 10 - mobile (230x450x63mm) Neoprene bearing devices type 10 - mobiles (230x450x63mm)	buc. pcs.	32.00	207.87	6,651.84	753.51	24,112.25
14	2B12A	Cofraje plane pentru elevatii - obisnuite Plane shutterings for elevations - usual	m2 m2	420.00	13.79	5,791.80	49.99	20,994.70
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
15	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pcs.	6.00	460.01	2,760.06	1,667.49	10,004.94
16	2A5	Pereu la sferturi de con Pitching at the cone quarters	m2 m2	650.00	34.68	22,542.00	125.71	81,712.50
17	5A16C	Umplutura cu pamant din groapa de imprumut Filling from the borrow pit	m3 m3	2,500.00	6.62	16,550.00	24.00	59,992.10
18	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	75.00	184.36	13,827.00	668.29	50,121.49
19	2A7	Casuri pe taluz Side ditches on slope	m m	75.00	42.15	3,161.25	152.79	11,459.22
		<b>TOTAL 1</b>				<b>502,322.40</b>		<b>1,820,888.45</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
20	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	170.00	102.07	17,351.90	369.99	62,898.90
21	2C9A	Armatura OB37 in suprastructura OB37 reinforcement for superstructure	t t	14.00	728.41	10,197.74	2,640.41	36,965.79
22	2C1A12	Grinzi pref. prec. cu armatura aderenta L=21,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	4,371.33	69,941.28	15,845.63	253,530.15

0	1	2	3	4	5	6	7	8
23	2C1A10	Grinzi pref. prec. cu armatura aderenta L=15,00m h=0,93m Precast prestressed beams with adherent reinforcement	buc. pcs.	16.00	3,274.35	52,389.60	11,869.19	189,907.06
24	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	40.00	102.07	4,082.80	369.99	14,799.74
25	2C9B	Armatura PC52 in suprastructura PC52 reinforcement for superstructure	t t	7.30	745.47	5,441.93	2,702.25	19,726.46
26	2C11	Hidroizolatie Waterproofing	m2 m2	600.00	31.83	19,098.00	115.38	69,228.34
27	2C16A1	Parapet metallic pietonal pe suprastructura Pedestrian guardrail on superstructure	t t	20.00	1,081.00	21,620.00	3,918.52	78,370.34
28	2C16B1	Parapet metallic direcional pe suprastructura Directional metallic guardrail on superstructure	t t	16.00	1,081.00	17,296.00	3,918.52	62,696.27
29	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatiile din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C6/7.5 of the private axes road in the courts	m m	160.00	15.38	2,460.80	55.75	8,920.15
30	2C12	Calea pe pod Carriageway on the bridge	m2 m2	550.00	17.86	9,823.00	64.74	35,607.39
31	2C15C	Dispozitive de acoperire a rosturilor de dilatare de 50 mm Devices for covering of expansion joints - 50 mm	m m	60.00	944.00	56,640.00	3,421.91	205,314.34
32	2C14	Guri de scurgere Down pipe	buc. pcs.	16.00	96.77	1,548.32	350.78	5,612.51
		<b>TOTAL 2</b>				<b>287,891.37</b>		<b>1,043,577.43</b>
		<b>TOTAL</b>				<b>790,213.77</b>		<b>2,864,445.88</b>

Proiectant,  
Ing. Traian BABEANU



Verificat,  
Ing. Victor DRAGOMIR



Intocmit,  
Tehn. Maria MOCOFAN



Investitia:	AUTOSTRADA BRASOV - TARGU MURES	Faza: S.F.
Investment:	BRASOV - TARGU MURES MOTORWAY	Phase: F. S.
Obiect :	RESTABILIRI LAGATURI RUTIERE	
Obiect:	PASAJ PESTE DRUM EXPLOATARE KM 43+514	
Sector:	RE-ESTABLISHME	
	OVERPASS KM 43+514	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	
	1A BRASOV - FAGARAS KM 0+000 - KM 48+500	

### LISTA DE CANTITATI NR 27

### BILL OF QUANTITIES No.27

1 EURO = 3.6249 RON (05.02.2008)

Nr crt No.	Cod art. Article code	DESCRIEREA LUCRARII WORKS DESCRIPTION	UM M.U.	Cantitate Quantity	Pret unitar Unit price (EURO )	Pret total Total costs (EURO)	Pret unitar Unit price (RON)	Pret total Total cost (RON)
0	1	2	3	4	5	6	7	8
		<b>1.INFRASTRUCTURA/SUBSTRUCTURE</b>						
		<b>FUNDATII PILE SI CULEI /PIERS AND ABUTMENTS ELEVATIONS</b>						
1	2B14B	Beton clasa C8/10 in fundatii (radiere) Concrete of C8/10 class for foundations	m3 m3	70.00	69.24	4,846.80	250.99	17,569.17
2	2B11	Cofraje pentru fundatii (radiere) Shuttering for foundations	m2 m2	91.00	12.09	1,100.19	43.83	3,988.08
3	2B14E	Beton clasa C20/25 in fundatii (radiere) Concrete of C20/25 class for foundations	m3 m3	230.00	86.59	19,915.70	313.88	72,192.42
4	2B8A	Armatura OB37 in fundatii (radiere) OB37 reinforcement for foundation (inverts)	t t	20.00	656.22	13,124.40	2,378.73	47,574.64
5	2B8B	Armatura PC52 in fundatii (radiere) PC52 reinforcement for foundation (inverts)	t t	20.00	676.03	13,520.60	2,450.54	49,010.82
		<b>RACORDARE CU TERASAMENTELE/ANCILLARY WORKS</b>						
6	2B18D	Placi de racordare L=6.00m Precast transition slabs L=6.00m	buc. pos.	1.00	460.01	460.01	1,667.49	1,667.49
7	2A6	Scari pe taluz, inclusiv mana curenta Stairs on slopes, including hand-rail	m m	42.00	184.36	7,743.12	668.29	28,068.04
8	2A7	Casiuri pe taluz Side ditches on slope	m m	52.00	42.15	2,191.80	152.79	7,945.06
9	3B1B	Zid de sprijin de debleu din beton Retaining wall in cutting of concrete	m m	70.00	709.32	49,652.40	2,571.21	179,984.98



0	1	2	3	4	5	6	7	8
		<b>TOTAL 1</b>				<b>112,555.02</b>		<b>408,000.89</b>
		<b>2. SUPRASTRUCTURA/SUPRASTRUCTURE</b>						
		<b>STRUCTURA DE REZISTENTA/FRAMING RESISTANCE</b>						
10	2B15D	Beton clasa C25/30 in elevatii Concrete of C25/30 class for elevations	m3 m3	200.00	102.07	20,414.00	369.99	73,998.71
11	2C9A	Armatura OB37 in suprasstructura OB37 reinforcement for superstructure	t t	16.00	728.41	11,654.56	2,640.41	42,246.61
12	2C1A1A	Grinzi pref. prec. cu armatura aderenta L=7,00m h=0,42m Precast prestressed beams with adherent reinforcement	buc. pcs.	40.00	882.48	35,299.20	3,198.90	127,956.07
		<b>CALE, TROTUAR, PARAPET/CARRIAGEWAY, FOOTWAY,</b>						
13	2C11	Hidroizolatie Waterproofing	m2 m2	250.00	31.83	7,957.50	115.38	28,845.14
14	2C16B1	Parapet metalic direccional pe suprasstructura Directional metallic guardrail on superstructure	t t	3.00	1,081.00	3,243.00	3,918.52	11,755.55
15	5C18A1	Borduri prefabricate din beton sau piatra 20x25 cm pe fundatie din beton (B 100) Bc 7,5 , la intrari in curti 20 X 25 cm concrete prefabricated kerbs on C67.5 of the privated axes road in the courts	m m	38.00	15.38	584.44	55.75	2,118.54
16	2C12	Calea pe pod Carriageway on the bridge	m2 m2	240.00	17.86	4,286.40	64.74	15,537.77
		<b>TOTAL 2</b>				<b>83,439.10</b>		<b>302,458.39</b>
		<b>TOTAL</b>				<b>195,994.12</b>		<b>710,459.09</b>

Proiectant,  
Ing. Traian BABEANU

Verificat,  
Ing. Victoria DRAGOMIR

Intocmit,  
Tehn. Maria MOCOFAAN