

BOSNIA AND HERZEGOVINA

THE FEDERATION OF BOSNIA AND HERZEGOVINA

JP AUTOCESTE FBiH d.o.o. MOSTAR

**Corridor Vc – First Phase North**  
**Finance Contract No.24.775 (BA)**  
**between Bosnia and Herzegovina and European Investment Bank**

## **PROJECT COMPLETION REPORT**

**MOTORWAY ON CORRIDOR Vc IN THE FEDERATION OF BiH**  
**SECTION DRIVUŠA-KAKANJ**

**Mostar, September 2015**

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## 1. INTRODUCTION

At conferences held in Crete and Helsinki in year 1994 and 1997, ten trans-european corridors have been identified as routes in Central and Eastern Europe which require priority investments. Corridor V (five) which is linking Kiev in the Ukraine to the Adriatic Sea via Lvov and Budapest (Hungary) is one of them. Consisting of three branches, the Vc branch follows European route E73 from Budapest to Ploče (Croatia) via Osijek (Croatia) and Sarajevo (Bosnia and Herzegovina). Bosnia and Herzegovina contains the longest section of the Vc branch. With a total length of approximately 340 km the driving force to construct Corridor Vc motorways is to improve connectivity of BH with its neighbouring countries and to enhance its potential for economic development. The project is strongly supported by the Government and is expected to enable BiH to integrate better with the European economic and social structure.

Corridor Vc motorway in BH includes four main sections (known in Government documents as Lots), as follows:

- ✓ **Lot 1:** Svilaj on The Sava River (connection to Corridor X) - Doboj South;
- ✓ **Lot 2:** Doboj South - Sarajevo South (Tarčin);
- ✓ **Lot 3:** Sarajevo South (Tarčin) - Mostar North;
- ✓ **Lot 4:** Mostar North – Bijača on the southern border with Croatia.

Implementation of motorway construction is on the entity level. The Government of Federation of BH has already completed construction on the section Jošanica – Kakanj.

The project has been financed by the loan funds of EIB, EBRD, KFAED, OPEC, the World Bank as well as the own funds of JP Autoceste FBiH.

EIB, EBRD, KFAED and OPEC institutions are financing four new sections within the four above-mentioned Lots which are marked as high priority sections by the Government of Federation BH. These sections are as follows:

- ✓ **Section 1:** Drivuša - Kakanj, section within Lot 2 (15,20 km);
- ✓ **Section 2:** Vlakov - Tarčin, section within Lot 2 (20,35 km);
- ✓ **Section 3:** Počitelj - Bijača (southern Border with Croatia) within Lot 4 (20,35 km);
- ✓ **Section 4:** Odžak - Svilaj (northern border with Croatia) Lot 1 (10,76 km).

**Section Drivuša-Kakanj** is entirely located in the Zenica-Doboj Canton. The alignment of this motorway section covers the area from the southern Zenica interchange in the village of Drivuša to the Kakanj interchange, passing mainly over sloping terrain along the right bank of river Bosna, except for one crossing to the left bank at the beginning of the Drivuša section and two consecutive crossing to the same side at the end of the section by the Kakanj interchange. The connection between Zenica and Kakanj valleys was achieved with a 3 km long tunnel. This section will improve the traffic connection between the capital Sarajevo and industrial region of towns Kakanj and Zenica. The Section Drivuša –Kakanj as a part of the Corridor Vc in length of 15.39 km is constructed entirely and put in use in the year of 2014.



Map of motorways and expressways in Bosnia and Herzegovina

## 2. FINANCING THE CONSTRUCTION OF SECTION DRIVUŠA-KAKANJ

In order to create a stable financial leverage JP Autoceste FBiH had addressed to International financing institutions in order to support its construction projects. European Investment Bank (EIB) and European Bank for Reconstruction and Development (EBRD) provided two loans in order to finance the construction of section Drivuša - Kakanj which consists of three subsections: Kakanj-Bilješevo, Bilješevo-Gorica and Gorica- Drivuša.

On December 18<sup>th</sup> 2008, the loan agreement no.24775 for the First phase was signed between European Investment Bank (EIB) and Bosnia and Herzegovina in the amount of 75 million EUR concerning the construction of a new motorway section on Corridor Vc in Bosnia and Herzegovina, between Drivuša and Kakanj, in the length of 15.2 kilometer. The sources of financing of this Project were estimated as follows:

Source	Amount (M EUR)
Credit from the EIB	75.0
Own funds of JP Autoceste FBiH	23.4
European Bank for Reconstruction and Development	60.0
<b>TOTAL</b>	<b>158.4</b>

In October 2008 the loan agreement was signed with European Bank for Reconstruction and Development (EBRD) in amount of **180 million EUR** of which **60 million EUR** was allocated to finance the construction of subsection Bilješevo-Gorica. Agreement Amendment No. 1 was signed in year 2014 which increases the previous loan amount to **205 million EUR**. This increase of 25 millions EUR was allocated to sub-section Kravice-Bijača (Border crossing Bijača) and Suhodol -Tarčin.

In the last quarter of 2014 the finance reallocation was made in the amount of 1.981.867,17 EUR taken from subsection Gorica-Bilješevo to section Počitelj-Bijača.

### 2.1. Financial position of EIB Loan No.24775

#### 2.1.1. Lot 1 Subsection Bilješevo – Kakanj

The below tables 1a and 1b present the financing the Contractor and Supervision to subsection Bilješevo -Kakanj from the EIB loan br.24775 (BA)

**Contractor: JV Viadukt d.d. Zagreb – Hering d.d. Široki Brijeg**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	Advance payment	July 2010	3.692.593,91	27.08.2010.	627.740,96	05.08.2010.	4.320.334,87
2.	First Interim Certificate	September 2010	1.379.214,88	07.10.2010.	265.534,01	22.10.2010.	1.644.748,88
3.	Second Interim Certificate	October 2010	999.440,81	08.11.2010.	192,417,82	12.11.2010.	1.191.858,64

4.	Third Interim Certificate	November 2010	1.110.292,38	22.12.2010.	215.791,38	22.12.2010.	1.326.083,77
5.	Fourth Interim Certificate	February 2011	920.126,99	10.03.2011.	185.333,63	11.03.2011.	1.105.460,62
6.	Fifth Interim Certificate	March 2011	1.479.946,02	19.04.2011.	298.093,39	26.04.2011.	1.778.039,41
7.	Sixth Interim Certificate	April 2011	1.252.330,31	20.05.2011.	252.246,63	20.05.2011.	1.504.576,94
8.	Seventh Interim Certificate	May 2011	1.261.381,90	28.06.2011.	254.069,82	30.06.2011.	1.515.451,72
9.	Eight Interim certificate	June 2011	1.037.270,85	08.07.2011.	208.928,96	14.07.2011.	1.246.199,81
10.	Ninth interim certificate	July 2011	1.485.143,22	18.08.2011.	299.140,22	22.08.2011.	1.784.283,44
11.	Tenth Interim Certificate	September 2011	2.974.221,80	06.10.2011.	587.604,32	06.10.2011.	3.561.826,12
12.	Eleventh Interim Certificate	October 2011	1.820.745,31	10.11.2011.	350.539,87	09.11.2011.	2.171.285,18
13.	Twelfth Interim Certificate	November 2011	2.184.184,61	21.12.2011.	420.511,19	19.12.2011.	2.604.695,80
14.	Thirteenth Interim Certificate	December 2011	3.033.962,94	10.02.2012.	527.072,54	09.02.2012.	3.561.035,48
15.	Fourteenth Interim Certificate	March 2012	931.535,57	11.04.2012.	180.256,98	06.04.2012.	1.111.792,55
16.	Fifteenth Interim Certificate	April 2012	833.964,33	08.05.2012.	167.927,38	04.05.2012.	1.001.891,71
17.	Sixteenth Interim Certificate	May 2012	2.692.356,91	30.05.2012.	529.957,66	29.05.2012.	3.222.314,57
18.	Seventeenth Interim Certificate	June 2012	4.367.966,04	11.07.2012.	821.053,78	09.07.2012.	5.189.019,82
19.	Eighteenth Interim Certificate	July 2012	4.626.674,15	05.09.2012.	824.406,38	30.08.2012.	5.451.080,53
20.	Nineteenth Interim Certificate	October 2012	4.475.401,83	16.11.2012.	393.589,85	15.11.2012.	4.868.991,68
21.	Twentieth Interim Certificate	November 2012	2.938.933,81	19.12.2012.	132.390,28	18.12.2012.	3.071.324,09
22.	Twenty- first Interim certificate	February 2013	2.641.977,61	22.03.2013.	449.136,19	21.03.2013.	3.091.113,80
23.	Twenty- second Interim certificate	April 2013	1.192.244,07	10.05.2013.	202.681,49	10.05.2013.	1.394.925,56
24.	Twenty- third Interim certificate	May 2013	1.386.299,55	24.06.2013.	235.670,92	20.06.2013.	1.621.970,47
25.	Twenty- fourth Interim certificate	August 2013	914.081,78	19.09.2013.	155.393,91	13.09.2013.	1.069.475,69
<b>TOTAL:</b>			<b>51.632.291,58</b>		<b>8.777.489,56</b>		<b>60.409.781,14</b>

**Table 1a.** EIB loan No.24775 (BA) payments for the Contractor

**Note:** The EIB loan payments exclude VAT. Amount of VAT is paid by the Government of Federation BH.



**Supervision: Aecom Inocsa Ingenieria S.L.U. Spain**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	First Interim Certificate	July 2010	44.320,04	27.08.2010.	7.534,41	05.08.2010.	51.854,45
2.	Second Interim Certificate	August 2010	103.623,04	16.09.2010.	17.615,92	17.09.2010.	121.238,96
3.	Third Interim Certificate	September 2010	64.940,42	07.10.2010.	11.039,87	22.10.2010.	75.980,29
4.	Fourth Interim Certificate	October 2010	63.784,35	25.10.2010.	10.843,34	27.10.2010.	74.627,69
5.	Fifth Interim Certificate	November 2010	65.410,12	26.11.2010.	11.119,72	06.12.2010.	76.529,84
6.	Sixth Interim Certificate	December 2010	65.270,73	22.12.2010.	11.096,02	30.12.2010.	76.366,75
7.	Seventh Interim Certificate	January 2011	66.261,64	17.02.2011.	11.264,48	10.02.2011.	77.526,12
8.	Eighth Interim Certificate	February 2011	63.949,51	05.04.2011.	10.871,42	25.04.2011.	74.820,93
9.	Ninth Interim Certificate	March 2011	63.619,20	05.04.2011.	10.815,26	25.04.2011.	74.434,46
10.	Tenth Interim Certificate	April 2011	63.619,21	20.05.2011.	10.815,27	11.05.2011.	74.434,48
11.	Eleventh Interim Certificate	May 2011	63.619,20	03.06.2011.	10.815,26	02.06.2011.	74.434,46
12.	Twelfth Interim Certificate	June 2011	64.584,36	30.06.2011.	10.979,34	30.06.2011.	75.563,70
13.	Thirteenth Interim Certificate	July 2011	63.949,50	03.08.2011.	10.871,42	01.08.2011	74.820,92
14.	Fourteenth Interim Certificate	August 2011	63.619,21	16.09.2011.	10.815,27	19.09.2011	74.434,48
15.	Fifteenth Interim Certificate	September 2011	57.680,20	28.11.2011.	9.085,36	28.11.2011	67.485,83
16.	Sixteenth Interim Certificate	October 2011	63.784,35	08.12.2011.	10.843,34	07.12.2011	74.627,69
17.	Seventeenth Interim Certificate	November 2011	63.619,21	10.02.2012.	10.815,27	09.02.2012	74.434,48
18.	Eighteenth Interim Certificate	December 2011	78.067,45	10.02.2012.	13.271,47	07.03.2012	91.338,92
19.	Nineteen Interim certificate	January 2012	65.789,48	10.02.2012.	11.184,21	10.02.2012	76.973,69
20.	Twentieth Interim certificate	February 2012	64.749,07	03.06.2011.	11.007,34	08.05.2012.	75.756,41
21.	Twenty- first Interim certificate	March 2012	62.966,40	30.06.2011.	10.704,29	08.05.2012.	73.670,69
22.	Twenty-second Interim certificate	April 2012	62.992,60	03.08.2011.	10.708,74	22.05.2012.	73.701,34
23.	Twenty-third Interim certificate	May 2012	63.018,85	16.09.2011.	10.713,20	03.07.2012.	73.732,05
24.	Twenty- fourth Interim Certificate	June 2012	63.871,02	02.07.2012.	10.858,07	24.07.2012.	74.729,09
25.	Twenty- fifth Interim Certificate	July 2012	62.428,87	05.09.2012.	10.612,91	13.09.2012.	73.041,78
26.	Twenty-sixth Interim Certificate	August 2012	63.766,14	15.11.2012.	10.840,24	04.10.2012.	74.606,38
27.	Twenty-seventh Interim Certificate	September 2012	62.743,51	15.11.2012.	10.666,40	23.10.2012.	73.409,91
28.	Twenty-eighth Interim Certificate	October 2012	73.644,29	12.12.2012.	12.519,53	11.12.2012.	86.163,82
29.	Twenty-ninth Interim Certificate	November 2011	66.845,55	12.12.2012.	11.363,74	11.12.2012.	78.209,29

30.	Thirtieth Interim Certificate	December 2012	63.608,90	07.02.2013.	10.813,51	31.01.2013.	74.422,41
31.	Thirty-first Interim Certificate	January 2013	57.947,51	07.02.2013.	9.851,08	31.01.2013.	67.798,59
32.	Thirty-second Interim Certificate	February 2013	50.505,34	05.04.2013.	8.585,91	16.04.2013.	59.091,25
33.	Thirty-third Interim Certificate	March 2013	54.573,18	17.05.2013.	9.277,44	15.05.2013.	63.850,62
34.	Thirty-fourth Interim Certificate	April 2013	57.155,55	17.05.2013.	9.716,44	15.05.2013.	66.871,99
35.	Thirty-fifth Interim Certificate	May 2013	52.978,51	24.06.2013.	9.006,35	--	61.984,86
36.	Thirty-sixth Interim Certificate	June 2013	54.266,16	12.07.2013.	9.225,25	10.07.2013.	63.491,41
37.	Thirty-seventh Interim Certificate	July 2013	55.191,80	29.07.2013.	9.382,61	26.07.2013.	64.574,41
38.	Thirty-eighth Interim Certificate	August 2013	36.567,25	04.11.2013.	6.216,43	04.11.2013.	42.783,68
<b>TOTAL:</b>			<b>2.379.331,72</b>		<b>404.486,40</b>		<b>2.783.818,12</b>

**Table 1b.** EIB loan No.24775 payments for the Supervision

### 2.1.2. Lot 3 Subsection Gorica – Drivuša

The below tables 2a and 2b present the financing the Contractor and Supervision to subsection Gorica-Drivuša from the EIB loan no.24775 (BA)

**Contractor: BH Consortium: Euro – Asfalt d.o.o., GP Put d.d., Hidrogranja d.d., GP ŽGP d.d.**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	Advance payment	July 2010	2.051.000,92	03.11.2010.	348.670,16	27.10.2010.	2.399.671,08
2.	First Interim Certificate	September 2011	764.126,36	19.04.2011.	147.113,79	25.04.2011.	911.240,15
3.	Second Interim Certificate	October 2011	1.106.232,09	26.05.2011.	210.194,47	01.06.2011.	1.316.426,56
4.	Third Interim Certificate	November 2011	1.307.693,32	15.07.2011.	372.104,38	21.07.2011.	1.679.797,70
5.	Fourth Interim Certificate	February 2011	857.551,72	12.09.2011.	170.643,06	09.09.2011.	1.028.194,78
6.	Fifth Interim Certificate	March 2011	941.228,66	30.11.2011.	189.583,97	28.11.2011.	1.130.812,63
7.	Sixth Interim Certificate	April 2011	761.133,59	30.12.2011.	49.601,01	29.12.2011.	810.734,60
8.	Seventh Interim Certificate	May 2011	1.952.461,99	17.01.2012.	368.832,74	19.01.2012.	2.321.294,73
9.	Eighth Interim certificate	June 2011	701.608,99	08.05.2012.	136.289,96	04.05.2012.	837.898,95
10.	Nineth Interim Certificate	May 2012	1.690.204,56	02.07.2012.	315.781,17	22.06.2012.	2.005.985,73
11.	Tenth Interim Certificate	July 2012	855.786,73	05.09.2012.	164.760,75	04.09.2012.	1.020.547,48
12.	Eleventh Interim Certificate	September 2012	1.134.927,85	15.11.2012.	218.502,53	08.11.2012.	1.353.430,38
13.	Twelfth Interim Certificate	October 2012	1.512.081,80	12.12.2012.	274.336,58	11.12.2012.	1.786.418,38
14.	Thirteenth Interim Certificate	November 2012	1.106.049,83	31.12.2012.	212.942,78	28.12.2012.	1.318.992,61



15.	Fourteenth Interim Certificate	April 2013	1.204.686,70	10.05.2013.	239.633,98	10.05.2013.	1.444.320,68
16.	Fifteenth Interim Certificate	June 2013	541.823,51	29.07.2013.	121.877,08	29.07.2013.	663.700,59
17.	Sixteenth Interim Certificate	August 2013	986.971,26	26.09.2013.	208.675,47	24.09.2013.	1.195.646,73
<b>TOTAL:</b>			<b>19.475.569,88</b>		<b>3.749.543,88</b>		<b>23.225.113,76</b>

**Table 2a.** EIB loan No.24775 (BA) payments for the Contaractor

**Note:** The EIB loan payments exclude VAT. Amount of VAT is paid by the Government of Federation BH.

**Supervision: Aecom Inocsa Ingenieria S.L.U., Spain**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	First Interim Certificate	November 2010	38.339,27	22.12.2010.	6.517,68	30.12.2010.	44.856,95
2.	Second Interim Certificate	December 2010	34.448,08	17.02.2011.	5.856,17	10.02.2011.	40.304,25
3.	Third Interim Certificate	January 2011	35.433,01	16.03.2011.	6.023,61	25.04.2011.	41.456,62
4.	Fourth Interim Certificate	February 2011	41.459,91	25.03.2011.	7.048,18	25.04.2011.	48.508,09
5.	Fifth Interim Certificate	March 2011	47.875,32	20.05.2011.	8.138,80	20.05.2011.	56.014,12
6.	Sixth Interim Certificate	April 2011	49.044,60	27.05.2011.	8.337,58	20.05.2011.	57.382,18
7.	Seventh Interim Certificate	May 2011	50.102,30	21.06.2011.	8.517,39	23.06.2011.	58.619,69
8.	Eighth Interim Certificate	June 2011	48.271,52	15.07.2011	8.206,16	14.07.2011.	56.477,68
9.	Ninth Interim Certificate	July 2011	48.794,60	29.08.2011	8.295,08	26.08.2011	57.089,68
10.	Tenth Interim Certificate	August 2011	49.407,29	27.09.2011	8.399,24	30.09.2011	57.806,53
11.	Eleventh Interim Certificate	September 2011	47.907,92	27.09.2011	8.144,24	13.10.2011	56.051,53
12.	Twelfth Interim Certificate	October 2011	48.822,68	17.10.2011	8.299,00	13.10.2011	57.122,54
13.	Thirteenth Interim Certificate	November 2011	46.968,78	10.02.2012	7.984,69	15.02.2012	54.953,47
14.	Fourteenth Interim Certificate	December 2011	40.814,91	14.03.2012	6.938,53	14.03.2012	47.753,44
15.	Fifteenth Interim certificate	January 2012	44.202,89	08.05.2012.	7.514,49	08.05.2012.	51.717,38
16.	Sixteenth Interim certificate	February 2012	43.072,83	17.05.2012.	7.322,38	17.05.2012	50.395,21
17.	Seventeenth Interim certificate	March 2012	43.303,41	21.06.2012.	7.361,58	21.06.2012.	50.664,99
18.	Eighteenth Interim certificate	April 2012	47.025,35	21.06.2012.	7.994,31	21.06.2012.	55.019,66
19.	Nineteenth Interim Certificate	May 2012	50.883,05	02.07.2012.	8.650,12	24.07.2012.	59.533,17
20.	Twentieth Interim Certificate	June 2012	50.921,52	06.08.2012.	8.656,66	13.09.2012.	59.578,18
21.	Twenty- first Interim Certificate	July 2012	51.171,52	05.09.2012.	8.699,16	13.09.2012.	59.870,68
22.	Twenty-second Interim Certificate	August 2012	50.648,42	15.11.2012.	8.610,23	23.10.2012.	59.258,65

23.	Twenty-third Interim Certificate	September 2012	72.937,70	31.12.2012.	12.399,41	03.01.2013.	85.337,11
24.	Twenty- forth Interim Certificate	October 2012	48.736,97	31.12.2012.	8.285,28	03.01.2013.	57.022,25
25.	Twenty- fifth Interim Certificate	November 2012	57.453,95	31.12.2012.	9.767,17	04.01.2013.	67.221,12
26.	Twenty – sixth Interim Certificate	December 2012	50.617,28	07.02.2013.	8.604,94	31.01.2013.	59.222,22
27.	Twenty – seventh Interim Certificate	January 2013	50.735,84	05.04.2013.	8.625,09	16.04.2013.	59.360,93
28.	Twenty – eighth Interim Certificate	February 2013	51.142,17	09.04.2013.	8.694,17	08.04.2013.	59.836,34
29.	Twenty – ninth Interim Certificate	March 2013	48.523,63	29.04.2013.	8.249,02	23.04.2013.	56.772,65
30.	Thirtieth Interim Certificate	April 2013	51.022,71	24.06.2013.	8.673,86	--	59.696,57
31.	Thirty-first Interim Certificate	May 2013	61.158,15	26.07.2013.	10.396,89	19.07.2013.	71.555,04
32.	Thirty-second Interim Certificate-part of IC	June 2013	5.847,87	23.12.2013.	994,14	04.11.2013.	6.842,01
<b>TOTAL:</b>			<b>1.507.094,82</b>		<b>256.206,11</b>		<b>1.763.309,93</b>

**Table 2b.** EIB loan No.24775 (BA) payments for the Supervision

## 2.2. EBRD loan payment

### 2.2.1 Lot 2: Subsection: Gorica – Bilješevo (Tunnel 1. Mart)

The below tables 3a, 3b, 3c and 3d present the financing the Contractor(s) and Supervision to subsection Gorica-Bilješevo from the EBRD loan No.38716

#### Contractor: Primorje d.d. Ajdovščina Slovenia

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	Advance	June 2011	5.306.114,56	23.06.2011.	902.038,39	23.06.2011.	6.208.152,95
2.	First Interim Certificate	September 2011	1.488.594,19	7.11.2011	286.591,31	7.10.2011	1.775.186,50
3.	Second Interim Certificate	October 2011	1.146.769,23	7.12.2011	220.782,43	9.11.2011	1.367.552,32
4.	Third Interim Certificate	November 2011	2.039.435,78	10.01.2012	392.643,35	14.12.2011	2.432.079,13
5.	Fourth Interim Certificate	December 2011	1.315.253,79	21.02.2012	264.920,79	10.01.2012	1.580.174,58
6.	Fifth Interim Certificate	January 2012	1.187.458,08	29.03.2012	239.179,95	29.02.2012	1.426.688,03
7.	Sixth Interim Certificate	February 2012	981.266,34	25.04.2012.	197.648,43	21.03.2012.	1.178.914,77
8.	Seventh Interim Certificate	March 2012	1.054.804,23	08.06.2012.	212.460,56	10.04.2012.	1.267.264,79
9.	Final Payment Certificate	June 2012	42.654,36	07.09.2012.	7.251,24	13.09.2012.	49.905,60
<b>TOTAL:</b>			<b>14.562.351,22</b>		<b>2.723.517,45</b>		<b>17.285.868,67</b>

**Table 3a.** EBRD loan payments for the Contractor

**Note:** The amount of 5.306.114,56 EUR is partly paid from EBRD loan funds (639.204,36 EUR) while the second part of the amount of 4.666.910,20 EUR paid from funds that were charged protest advance bank guarantee issued of NLB dd Ljubljana for SCT d.d. Ljubljana. The said advance has been previously paid to SCT out of the loan funds.

**Contractor: Phase I: BH Consortium - leader Euro – Asfalt d.o.o. Sarajevo**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	Advance	August 2012	1.538.461,53	10.10.2012.	261.538,47	07.09.2012.	1.800.000,00
2.	First Interim Certificate	September 2012	1.913.029,21	05.11.2012.	368.306,87	10.10.2012.	2.281.336,08
3.	Second Interim Certificate	October 2012	1.162.521,56	05.12.2012.	237.036,42	13.11.2012.	1.399.557,98
4.	Third Interim Certificate	November 2012	911.030,68	10.01.2013.	185.556,02	18.12.2012.	1.096.586,70
5.	Fourth Interim Certificate	December 2012	1.646.298,55	30.01.2013.	328.228,51	28.12.2012.	1.974.527,06
6.	Fifth Interim Certificate	January 2013	2.190.387,00	05.03.2013.	421.705,31	11.02.2013.	2.612.092,31
7.	Sixth Interim Certificate	February 2013	1.779.411,17	05.04.2013.	342.581,99	26.03.2013.	2.121.993,16
8.	Seventh Interim Certificate	March 2013	2.360.951,62	09.05.2013.	454.543,35	04.04.2013.	2.815.494,97
9.	Eighth Interim Certificate	April 2013	3.286.140,17	11.07.2013.	560.502,72	10.05.2013.	3.846.642,89
10.	Ninth Interim Certificate	May 2013	1.615.494,56	02.08.2013.	121.634,08	10.06.2013.	1.737.128,64
11.	Final Payment Certificate	May 2013	844.705,24	05.03.2014.	-9.400,11	--	835.305,13
<b>TOTAL:</b>			<b>19.248.431,29</b>		<b>3.272.233,63</b>		<b>22.520.664,92</b>

**Table 3b.**EBRD loan payments for the Contractor

**Contractor: Phase II: BH Consortium - leader Euro – Asfalt d.o.o. Sarajevo**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	Advance	May 2013	2.085.735,03	18.06.2013.	354.574,95	24.05.2013.	2.440.309,98
2.	First Interim Certificate	July 2013	1.120.469,61	03.09.2013.	215.718,95	09.08.2013.	1.336.188,56
3.	Second Interim Certificate	August 2013	1.068.700,66	08.10.2013.	207.353,80	09.09.2013.	1.276.054,46
4.	Third Interim Certificate	September 2013	2.327.065,55	05.11.2013.	458.746,31	09.10.2013.	2.785.811,86
5.	Fourth Interim Certificate	October 2013	1.029.950,01	19.12.2013.	203.039,30	08.11.2013.	1.232.989,31
6.	Fifth Interim Certificate	November 2013	1.000.540,61	20.01.2014.	197.241,68	10.12.2013.	1.197.782,29

7.	Sixth Interim Certificate	December 2013	1.000.481,70	14.02.2014.	197.230,06	13.01.2014.	1.197.711,76
8.	Seventh Interim Certificate	January 2014	1.178.340,24	10.03.2014.	232.292,23	10.02.2014.	1.410.632,47
9.	Eight Interim Certificate	February 2014	1.180.516,17	09.04.2014.	232.721,18	10.03.2014.	1.413.237,35
10.	Ninth Interim Certificate	March 2014	1.654.223,05	14.05.2014.	326.105,43	09.04.2014.	1.980.328,48
11.	Tenth Interim Certificate	April 2014	2.612.623,83	10.06.2014.	505.180,28	09.05.2014.	3.117.804,11
12.	Eleventh Interim Certificate	May 2014	1.000.113,88	04.07.2014.	192.547,41	30.05.2014.	1.192.661,29
13.	Twelfth Interim Certificate	May 2014	2.483.075,99	09.07.2014.	478.055,40	10.06.2014.	2.961.131,39
14.	Thirteenth Interim Certificate part of the PCI	June 2014	1.115.513,99	27.08.2014.	214.764,87	10.07.2014.	1.330.278,86
<b>TOTAL:</b>			<b>20.857.350,32</b>		<b>4.015.571,85</b>		<b>24.872.922,17</b>

**Table 3c. EBRD loan payments for the Contractor**

**Supervision: IGH d.d. Zagreb, Croatia**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
1.	Advance	October 2010	198.370,00	05.11.2010.	33.772,90	22.10.2010.	232.092,90
2.	First Interim Certificate	October 2010	50.625,00	13.12.2010.	8.606,25	12.11.2010.	59.231,25
3.	Second Interim Certificate	November 2010	32.750,00	07.01.2011.	5.567,50	10.12.2010.	38.317,50
4.	Third Interim Certificate	December 2010	34.000,00	02.02.2011.	5.578,00	30.12.2010.	39.780,00
5.	Fourth Interim Certificate	February 2011	54.400,00	24.03.2011.	9.248,00	04.03.2011.	63.648,00
6.	Fifth Interim Certificate	March 2011	17.150,00	01.06.2011.	2.915,50	26.04.2011.	20.065,50
7.	Sixth Interim Certificate	April 2011	8.786,96	08.06.2011	1.493,78	12.05.2011	10.280,74
8.	Seventh Interim Certificate	May 2011	8.900,00	07.07.2011	1.513,00	02.06.2011	10.413,00
9.	Eighth Interim Certificate	June 2011	58.420,51	01.08.2011.	9.931,49	30.06.2011	68.352,00
10.	Ninth Interim Certificate	July 2011	25.931,82	23.09.2011.	4.408,41	22.08.2011	30.340,23
11.	Tenth Interim Certificate	August 2011	35.204,76	10.10.2011.	5.984,81	26.08.2011	41.189,57
12.	Eleventh Interim Certificate	August 2011	43.084,84	7.11.2011.	7.324,42	11.10.2011	50.409,26
13.	Twelfth Interim certificate	September 2011	45.140,91	16.11.2011.	7.673,95	21.10.2011	52.814,86
14.	Thirteen Interim Certificate	October 2011	34.880,95	11.01.2012.	5.929,77	22.12.2011	40.810,72
15.	Fourteenth Interim Certificate	November 2011	45.294,38	24.02.2012.	7.700,05	10.01.2012	52.994,43

16.	Fifteenth Interim Certificate	December 2012	42.937,49	14.03.2012.	7.299,37	14.03.2012	50.236,86
17.	Sixteenth Interim Certificate	January 2012	43.303,62	04.04.2012.	7.361,62	14.03.2012.	50.665,24
18.	Seventeenth Interim certificate	February 2012	43.743.,25	11.06.2012.	7.436,36	08.05.2012.	51.179,61
19.	Eighteenth Interim certificate	March 2012	58.699,19	11.06.2012.	9.978,86	17.05.2012.	68.678,05
20.	Nineteenth Interim Certificate	April 2012	46.626,95	09.07.2012.	7.926,59	03.07.2012.	54.533,54
21.	Twentieth privremenasituacija	May 2012	47.000,59	02.08.2012.	7.990,10	09.08.2012.	54.990,69
22.	Twenty- first Interim Certificate	June 2012	47.047,17	27.09.2012.	7.998,02	13.09.2012.	55.045,19
23.	Twenty-second Interim Certificate	July 2012	45.775,02	14.01.2013.	7.781,75	11.12.2012.	53.556,77
24.	Twenty-third Interim Certificate	August 2012	44.410,81	14.01.2013.	7.549,84	24.12.2012.	51.960,65
25.	Twenty- forth Interim Certificate	September 2012	45.190,73	31.01.2013.	7.682,42	03.01.2013.	52.873,15
26.	Twenty- fifth Interim Certificate	October 2012	87.670,71	31.01.2013.	14.904,02	03.01.2013.	102.574,73
27.	Twenty – sixth Interim Certificate	November 2012	68.703,27	31.01.2013.	11.679,56	03.01.2013.	80.382,83
28.	Twenty-seventh Interim Certificate	December 2012	63.428,84	19.02.2013.	10.782,90	15.01.2013.	74.211,74
29.	Twenty-eighth Interim Certificate	January 2013	63.996,51	09.04.2013.	10.879,41	16.04.2013.	74.875,92
30.	Twenty-ninth Interim Certificate	February 2013	73.348,23	02.05.2013.	12.469,20	16.04.2013.	85.817,43
31.	Thirtieth Interim Certificate	March 2013	64.989,12	29.07.2013.	11.048,15	03.07.2013.	76.037,27
32.	Thirty-first Interim Certificate	April 2013	65.816,53	29.07.2013.	11.188,81	03.07.2013.	77.005,34
33.	Thirty-second Interim Certificate	May 2013	65.440,04	03.09.2013.	11.124,81	09.08.2013.	76.564,85
34.	Thirty-third Interim Certificate	June 2013	64.983,35	03.09.2013.	11.047,17	09.08.2013.	76.030,52
35.	Thirty-fourth Interim Certificate	July 2013	63.421,67	02.12.2013.	10.781,68	04.11.2013.	74.203,35
36.	Thirty-fifth Interim Certificate	August 2013	65.042,10	22.01.2014.	11.057,16	12.12.2013.	76.099,26
37.	Thirty-sixth Interim Certificate	September 2013	65.072,51	22.01.2014.	11.062,33	12.12.2013.	76.134,84
38.	Thirty-seventh Interim Certificate	October 2013	59.082,21	26.02.2014.	10.043,98	14.01.2014.	69.126,19
39.	Thirty-eighth Interim Certificate	November 2013	61.242,32	26.02.2014.	10.411,19	14.01.2014.	71.653,51
40.	Thirty-ninth Interim Certificate	December 2013	59.723,28	27.02.2014.	10.152,96	29.01.2014.	69.876,24
41.	Fortieth Interim Certificate	January 2014	61.156,70	03.04.2014.	10.396,64	10.03.2014.	71.553,34
42.	Forty-first Interim Certificate	February 2014	66.557,68	19.05.2014.	11.314,80	22.04.2014.	77.872,48
43.	Forty-second Interim Certificate	March 2014	66.598,57	10.06.2014.	11.321,76	30.04.2014.	77.920,33
44.	Forty-third Interim Certificate	April 2014	63.925,43	04.07.2014.	10.867,32	17.06.2014.	74.792,75
45.	Forty-fourth Interim Certificate	May 2014	65.674,45	25.07.2014.	11.164,66	10.07.2014.	76.839,11

46.	Forty-fifth Interim Certificate	June 2014	63.859,60	10.09.2014.	10.856,13	22.07.2014.	74.715,73
47.	Forty-sixth Interim Certificate	July 2014	60.507,08	07.10.2014.	10.286,20	19.09.2014.	70.793,28
48.	Forty-seventh Interim Certificate	August 2014	60.024,10	21.10.2014.	10.204,10	25.09.2014.	70.228,20
<b>TOTAL:</b>			<b>2.657.939,25</b>		<b>451.849,70</b>		<b>3.109.788,95</b>

Table 3d. EBRD loan payments for the Supervision

### 2.3. Recapitulation of withdrawals of EIB Loan No. 24775 for The Phase I

No.	EIB LOAN – I PHASE			Note	
	Withdrawal No. 1		12.000.000,00	€	27.08.2010.
	Withdrawal No. 2		11.000.000,00	€	29.12.2010.
	Withdrawal No. 3		15.000.000,00	€	04.10.2011.
	Withdrawal No. 4		37.000.000,00	€	26.03.2012.
	TOTAL:		75.000.000,00	€	
1.	LOT 1	JV Viadukt d.d. – Hering d.d.	51.632.291,58	€	Details in Table 1a.
2.		Inocsa Ingenieria S.L.U.	2.379.331,72	€	Details in Table 1b.
3.	LOT 3	BH Consortium	19.475.569,88	€	Details in Table 2a.
4.		Inocsa Ingenieria S.L.U	1.507.094,82	€	Details in Table 2b.
5.		Bank charge	5.712,00	€	
		TOTAL:	75.000.000,00	€	

Table 4.EIB loan for Phase 1 withdrawals



## 2.4. Payments from own funds

### 2.4.1. Lot 1: Subsection: Bilješevo – Kakanj

#### a) Contractor: Consortium Viadukt d.d. – Hering d.d.

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
26.	Final Payment Certificate	December 2013	1.096.908,80	03.02.2014.	186.474,50	30.01.2014.	1.283.383,30
<b>TOTAL:</b>			<b>1.096.908,80</b>		<b>186.474,50</b>		<b>1.283.383,30</b>

Table 5a. Payments from own funds

#### b) Supervision: Aecom Inocsa Ingenieria S.L.U., Spain

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
39.	Thirty-ninth Interim Certificate	September 2013	32.637,79	03.02.2014.	5.548,42	04.11.2013.	38.186,21
40.	Fortieth Interim Certificate	October 2013	36.417,44	03.02.2014.	6.190,96	12.12.2013.	42.608,40
41.	Forty-first Interim Certificate	November 2013	10.530,69	10.02.2014.	1.790,22	14.01.2014.	12.320,91
42.	Forty-second Interim Certificate	December 2013	923,85	11.06.2014.	157,05	10.03.2014.	1.080,90
<b>TOTAL:</b>			<b>80.509,77</b>		<b>13.686,65</b>		<b>94.196,42</b>

Table 5b. Payments from own funds

### 2.4.2. Lot 3: Subsection: Drivuša - Gorica

#### a) Contractor: BH Consortium: Euro – Asfalt d.o.o., GP Put d.d, Hidrogranja d.d, GP ŽGP d.d.

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
18.	Seventeenth Interim certificate	Oktobar 2013	953.966,69	27.12.2013.	131.421,83	10.12.2013.	1.085.388,52
19.	Eighteenth Interim Certificate	December 2013	2.613.945,34	17.01.2014.	240.398,67	13.01.2014.	2.854.344,01
20.	Nineteenth Interim Certificate	April 2014	1.854.802,68	13.05.2014.	315.316,46	12.05.2014.	2.170.119,14
21.	Twentieth Interim Certificate	May 2014	877.368,60	30.06.2014.	149.152,66	10.06.2014.	1.026.521,26
22.	Twenty- first Interim Certificate	June 2014	1.227.558,50	24.07.2014.	208.684,95	10.07.2014.	1.436.243,45
23.	Twenty-second Interim Certificate	July 2014	1.138.595,04	13.08.2014.	193.561,16	13.08.2014.	1.332.156,20
24.	Twenty-third Interim Certificate	September 2014	1.032.071,85	24.10.2014.	175.452,22	24.10.2014.	1.207.524,07
25.	Interim Certificate- refund amount withheld	March 2015.	1.199.835,54	01.04.2015.	--	--	1.199.835,54

26.	Final Payment Certificate	May 2015.	879.242,93	24.07.2015.	149.471,30	24.07.2015.	1.028.714,23
<b>TOTAL:</b>			<b>11.777.387,17</b>		<b>1.563.459,25</b>		<b>13.340.846,42</b>

**Table 6.a** *Payments from own funds*

**b) Supervision: Aecom Inocsa Ingenieria S.L.U., Spain**

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
33.	Thirty-second Interim Certificate	June 2013	45.002,55	03.02.2014.	0,00	--	45.002,55
34.	Thirty-third Interim Certificate	July 2013	50.653,51	10.02.2014.	8.611,10	04.11.2013.	59.264,61
35.	Thirty-fourth Interim Certificate	August 2013	49.339,37	11.06.2014.	8.387,69	14.01.2014.	57.727,06
36.	Thirty-fifth Interim Certificate	September 2013	46.009,78	11.06.2014.	7.821,66	14.01.2014.	53.831,44
37.	Thirty-sixth Interim Certificate	October 2013	41.926,77	11.06.2014.	7.127,55	14.01.2014.	49.054,32
38.	Thirty-seventh Interim Certificate	November 2013	42.006,28	11.06.2014.	7.141,07	29.01.2014.	49.147,35
39.	Thirty-eighth Interim Certificate	December 2013	38.809,37	11.06.2014.	6.597,59	29.01.2014.	45.406,96
40.	Thirty-ninth Interim Certificate	January 2014	33.214,25	12.08.2014.	5.646,42	22.04.2014.	38.860,67
41.	Fortieth Interim Certificate	February 2014	32.257,78	12.08.2014.	5.483,82	22.04.2014.	37.741,60
42.	Forty-first Interim Certificate	March 2014	40.611,58	29.01.2015.	6.903,97	10.07.2014.	47.515,55
43.	Forty-second Interim Certificate	April 2014	41.987,56	29.01.2015.	7.137,89	10.07.2014.	49.125,45
44.	Forty-third Interim Certificate	May 2014	36.589,55	29.01.2015.	6.220,22	10.07.2014.	42.809,77
45.	Forty-fourth Interim Certificate	June 2014	37.309,52	29.01.2015.	6.342,62	10.07.2014.	43.652,14
46.	Forty-fifth Interim Certificate	July 2014.	14.774,39	16.06.2015	2.511,65	03.09.2014.	17.286,04
47.	Forty- sixth Interim Certificate	August 2014.	35.407,38	16.06.2015.	6.019,29	23.10.2014.	41.426,87
48.	Forty- seventh Interim Certificate	September 2014.	15.150,94	07.07.2015.	2.575,66	02.12.2014.	17.726,60
<b>TOTAL:</b>			<b>601.050,78</b>		<b>102.178,63</b>		<b>703.229,41</b>

**Table 6b.** *Payments from own funds*

**Note:** Received interim payment certificates under this Contract are still outstanding in the amount of 278.691,13 EUR

## 2.4.3. Subsection: Phase II: Gorica - Bilješevo (EBRD)

### a) Contractor: BH Consortium - leader Euro – Asphalt d.o.o. Sarajevo Phase II

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
15.	Thirteenth Interim Certificate – remaining part	June 2014	988.048,74	09.09.2014.	190.224,56	10.07.2014.	1.178.273,30
16.	Fourteenth Interim Certificate	July 2014	1.254.077,43	09.09.2014.	241.441,86	08.08.2014.	1.495.519,29
17.	Fifteenth Interim Certificate	August 2014	2.142.912,73	15.09.2014.	110.601,96	10.09.2014.	2.253.514,69
18.	Sixteenth Interim Certificate	March 2015.	420.072,84	22.04.2015.	80.874,73	06.04.2015.	500.947,57
19.	Final Payment Certificate	May 2015.	604.246,03	27.05.2015.	104.079,29	25.05.2015.	708.325,32
<b>TOTAL:</b>			<b>5.409.357,77</b>		<b>727.222,40</b>		<b>6.136.580,17</b>

**Table 7a.** Payments from own funds

**Note:** The outstanding balance of retention money in the amount of 1.632.079,07 EUR. under this Contract will be paid after the latest of expiry date of Defect Notification Period i.e. in the third quarter of 2016.

### b) Supervision: IGH d.d., Croatia

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EUR
49.	Forty-eight Interim Certificate	September 2014.	60.166,60	05.06.2015.	10.228,32	02.12.2014.	70.394,92
50.	Forty- ninth Interim Certificate	October 2014.	44.420,12	02.06.2015.	7.551,42	12.01.2015.	51.971,54
51.	Fiftieth Interim Certificate	November 2014.	35.208,57	23.06.2015.	5985,46	09.01.2015.	41.194,03
52.	Fifty-first Interim Certificate	December 2014.	28.548,60	23.06.2015.	4.853,26	09.01.2015.	33.401,85
53.	Fifty-second Interim Certificate	January 2015.	22.126,80	23.06.2015.	3.761,56	12.05.2015.	25.888,36
54.	Fifty-third Interim Certificate	February 2015.	11.391,80	07.07.2015	1.936,61	12.05.2015.	13.328,41
55.	Fifty-fourth Interim Certificate	April 2015.	19.267,36	07.07.2015.	3.275,45	02.06.2015.	22.542,81
<b>TOTAL:</b>			<b>221.129,85</b>		<b>37.592,08</b>		<b>258.721,93</b>

**Table 7b.** Payments from own funds

### **3. TECHNICAL DESCRIPTION OF SECTION**

The project refers to the construction of 15.39 km long tolled motorway and ancillary structures between Kakanj and Drivuša, which in the south connects to the existing part of motorway of Corridor Vc from Kakanj to the place of Tarčin. The motorway section Drivuša-Kakanj is completely located within the Zenica-Doboj Canton and is a part of the Pan-European Corridor Vc, linking Hungary and eastern Croatia to Bosnia and Herzegovina and the Adriatic Sea in the area of the port of Ploče.

The main goal of the motorway project is the improvement of current north - south motorway, achieving higher functional level and creating a modern motorway infrastructure with increased road safety and capacity.

The construction project includes the construction of 15,39 kilometers long motorway with design speed of 120 km/h with 2x2 lanes and hard shoulders.

The project comprises land acquisition, detailed design studies, construction, works supervision and management consulting activities for one section of a 2x2 lane motorway with a total length of 15,39 km along the Corridor Vc in Bosnia and Herzegovina between Drivuša (Zenica South) and Kakanj. This section includes 15,39 km long motorway with design speed of 120 km/h and standard cross section of 28 metres with 2x2 traffic lanes, 2 emergency lanes, central reserve, shoulders, berms after the shoulder's slopes. It also includes the relocation of 7000 meters of local roads, the construction of 10 km new regional road, construction of new connections with existing local and national roads.

This section contains two complete interchanges and one partial interchange with three ramp toll stations Zenica Jug (Drivuša), Lašva and Kakanj and the Traffic Maintenance Control Center (MTCC) Drivuša.

The main structures included in the project are one interchange and a partial interchange (i.e.: interchange Zenica Jug, including three ramps and the Drivuša underpass at the subsection Drivuša-Gorica and a partial interchange in the place of Donji Lučani at the subsection Bilješevo-Kakanj), ten bridges ( M1 bridge, M2 bridge, M3 bridge, all in the total length of 875 m at subsection Drivuša-Gorica, M1 bridge, M2 bridge, M3 bridge, M4 bridge and bridges on P21,P138 and Lučani bridge (l=28 m) - all in the total length of 695 metres at subsection Bilješevo – Kakanj ) and 1 viaduct (i.e.: the Bilješevo viaduct with total length of 225m) and two PP1 underpass (l=80 metres) and PP2 underpass ( l=85 metres) at Bilješevo-Kakanj section and tunnel (tunnel „1. mart“, nearly three kilometres long) at the section Gorica-Bilješevo.

The project is divided in 3 subsections from north to south as follows:

<b>Subsection: Drivuša (Zenica Jug )- Gorica: from km 1+550 to km 4+415</b> <b>Length: 2865 meters</b>	
Junctions	interchange Zenica jug (Drivuša), including four ramps and the Drivuša underpass 5x12m and length 47 m
Viaducts and Bridges	Three bridges on motorway (M <sub>1</sub> , M <sub>2</sub> and M <sub>3</sub> ) in total length of 875 m, one bridge on interchange ramp in the length of 122 m
Galleries	-
Other Structures	Toll station Zenica Jug (Drivuša) Traffic Maintenance Control Center (MTCC) Drivuša Two retaining walls (L=95 m and L=115 m)

<b>Sub-section: Gorica-Bilješevo: from km 4+415 to km 7+500</b> <b>Length: 3075 meters</b>	
Junctions	-
Viaducts and Bridges	-
Galleries	-
Other Structures	Tunnel "1 Mart" from km 4+425,00 to km 7+374,00, length: 2949,00 m

<b>Subsection: Bilješevo- Kakanj: from km 7+500 to km 7+995 and from km 0+000 to km 8+955 (another main design)</b> <b>Length: 9450 meters</b>	
Junctions	partial interchange Lučani
Viaducts and Bridges	Seven bridges on motorway in total length of 695 m; four bridges on regional road in total length of 297 m; one bridge on local road in the length of 15 m and one viaduct "Bilješevo" in the length of 225 m
Galleries	-
Other Structures	Toll station "Lučani" and toll station "Kakanj" 10 km regional road and 7 km local road Landslide "Tičići" with 600m retaining wall; retaining wall on regional road L=220m Two underpasses (L=80 and L=85 m) Eight road culverts and one hydrotechnical box culvert 3x3 m

#### 4. INVESTMENT COST ANALYSIS

Cost Items (in Euro prices)	Sub-section Drivuša (Zenica Jug )- Gorica	Sub-section Gorica- Bilješevo	Sub-section Bilješevo- Kakanj	Total
<b>Works</b>				
Earthworks	3.228.995,46	64.405,34	9.339.325,8	12.632.726,60
Major bridge structure (>100 m)	14.668.626,95	0,00	15.829.142,24	30.497.769,19
Major tunnels (>100 m)	-	50.409.221,29	-	50.409.221,29
Structures general	3.769.427,10	59.005,21	3.482.871,15	7.311.303,46
Drainage, includ. culverts	602.210,30	1.154.711,19	3.820.963,32	5.577.884,81
Retaining strucutres	852.847,17	286.232,17	6.952.957,16	8.092.036,50
Road works and pavement	1.401.776,13	2.578.007,16	7.557.473,27	11.537.256,56
Safety measures (signage, guard railing)	533.840,79	1.133.847,80	1.653.809,64	3.321.498,23
Installations (mechanical and electrical)	4.747.143,61	5.180.677,78	3.197.174,38	13.124.995,77
Environment (e.g. noise, fencign, animal protection)	82.346,87	15.480,15	207.843,38	305.670,40
Other works + Worksitge Safety costs	1.365.743,03	1.039.877,72	687.641,15	3.093.261,90
<b>Total works</b>	<b>31.252.957,41</b>	<b>61.921.465,80</b>	<b>52.729.201,49</b>	<b>145.903.624,71</b>
<b>General costs</b>				
Preliminary studies and design	528.000,00	1.072.000,00	1.600.000,00	3.200.000,00
Management costs				0,00
Supervision	2.386.836,72	2.879.069,64	2.459.841,49	7.725.747,85
<b>Total general costs</b>	<b>2.914.836,72</b>	<b>3.951.069,64</b>	<b>4.059.841,49</b>	<b>10.925.747,85</b>
<b>Land acquisition</b>				
Expropriation and compensations	3.574.945,25	290.210,39	3.415.946,19	7.281.101,83
Other land acquisition costs (removal of subservices)				
<b>Total Land acquisition</b>	<b>3.574.945,25</b>	<b>290.210,39</b>	<b>3.415.946,19</b>	<b>7.281.101,83</b>
<b>Base costs</b>				
EIB Technical contingencies				
EIB Price contingencies				
Interest during construction	1.059.051,68	2.568.065,75	1.877.685,11	5.504.802,54
<b>Total project investment costs (excl. VAT)</b>	<b>38.801.791,06</b>	<b>68.730.811,59</b>	<b>62.082.674,28</b>	<b>169.615.276,93</b>

Tabele No. 8: Investment cost anylises for the project Section: Kakanj-Drivuša



## 5. REALIZATION OF THE PROCUREMENT PLAN

JP AutocesteFBiH prepared a procurement plan. The estimated values are planned, but real values are determined after completion of the main project and tender procedures. Please consider that contracted values and changes in the values of contracts occur according to the signed Addendums which are given in detail under chapter 10.

Values are given in thousands EUR

No.	Description	Estimated	Financed by	Financed by others	Contract	Contract	Procurement	Tender	Contract	Contract
		Contract Value	EBRD/EIB	Investor	Amount including VAT	Type	method	Invitation month/year	Award month/year	Completion month/year
1.	Drivuša-Kakanj Motorway Design	3.200								
a)	Bilješevo - Kakanj	1.600		JPAC		Design		Jan-07	Oct-07	Nov-08
b)	Drivuša - Gorica - Bilješevo	1.600		JPAC		Design		Jan-07	Oct-07	Nov-08
2.	Drivuša-Kakanj Construction Supervision	6.500								
a)	Bilješevo - Kakanj	1.800	EIB		2.878	Supervision	Competitive	May-09	April-10	Oct-13 <sup>1</sup>
b)	Gorica - Bilješevo	3.000	EBRD		3.384	Supervision	Competitive	May-09	July-10	Oct-13 <sup>2</sup>
c)	Drivuša - Gorica	1.700	EIB		2.926	Supervision	Competitive	May-09	Oct-10	Apr-14 <sup>3</sup>
3.	Drivuša-Kakanj Motorway Construction	128.500								
a)	Bilješevo - Kakanj	41.000	EIB		61.693	Construction Works	Open	Feb-09	April-10	Nov-11 <sup>4</sup>

<sup>1</sup>Addendum 3 - Deadline for supervision has been extended until May 2015

<sup>2</sup>Addendum 4 - Deadline for supervision has been extended until August 2016

<sup>3</sup>Addendum 3 - Deadline for supervision has been extended until July 2016

<sup>4</sup>Addendum 3 - Deadline for completion of construction works has been extended until May 2013

b)	Gorica - Bilješevo	57.000	EBRD		Phase I 22.520	Construction Works	Open	May-09	June-10 April-11 Aug-12	Mar-13
					Phase II 32.641				May-13	May-14 <sup>5</sup>
c)	Drivuša - Gorica	30.500	EIB		36.565	Construction Works	Open	Sep-09	Sep-10	Oct-12 <sup>6</sup>
4.	Land Expropriation	7.281		JPAC						
5.	PDV (17%)	23.494								
	TOTAL:	10.481		JPAC						
	TOTAL:	135.000	EIB, EBRD							

**Table 9:** *Procurement plan*

**Notice:** VAT charged on the total amount of the budget (does not include land expropriation)

**Legend:**

**JPAC:** JP AutocesteFBiH

<sup>5</sup>Addendum 2 - Deadline for completion of construction works has been extended until July 2014 phase II

<sup>6</sup>Addendum 2 - Deadline for completion of construction works has been extended until July 2014

## 6. ENVIRONMENTAL IMPACTS

The Federal Ministry of Environment and Tourism issued an environmental permit in February 2009 the sections on LOT 2: Doboj South (Karuše) - Sarajevo South (Tarčin) for a period of five years. After its expiry, it was extended in February 2014 for a period of five years. Section Drivuša-Kakanj is part of LOT 2: Doboj South (Karuše) - Sarajevo South (Tarčin) section. All the measures prescribed by the environmental permit have been applied during the construction of this motorway sections. There were not any major problems on the section that would have a significant impact on the environment.

In the 2015 the following activities were carried out in accordance with the aforementioned environmental permits and contracts signed with the selected bidders. During this period the following activities were performed for the implementation of obligations under environmental permits:

1. The first control testing of water quality from the separator from the Third Annual Contract No. JPAC 317-E152-2-14, "Monitoring of wastewater in accordance with the environmental permit" was conducted, which refers to the control testing of water quality from the separators on the sections of the A1 Motorway from Toll Collection Point "Lašva" to the Toll Collection Point "Sarajevo North".
2. The regular annual cleaning of separators from grease and oil on the section Motorway A1, Lasva - Sarajevo North has been strated.
3. A regular annual report AESR - Annual Environmental and Social Report was submitted to the European Bank for Reconstruction and Development, in which an entire chapter is relating to compliance with obligations for monitoring and protection of the environmental situation on the A1 Motorway.
4. Contract No. JPAC 655-E326-15 "Control testing of water quality from the separators on the sections: Sarajevo North - Tarčin; Zvirovići - Bijača; Zenica South - Lašva " was signed in the second quarter of year 2015.

## 7. MAIN DESIGN

Brief information on the main design for the section Kakanj-Drivuša was divaded into two parts, subsection Gorica – Drivuša and Bilješevo – Gorica and subsection Kakanj – Bilješevo is represented as follows:

No.	Subsection	Investor	Status	Comments
1.	Section Kakanj – Drivuša, subsection Gorica – Drivuša and Bilješevo – Gorica	JPAC	Completed	Section in use.
2.	Section Kakanj – Drivuša, subsection Kakanj – Bilješevo	JPAC	Completed	Section in use.

**Table 10.** *Progress of main designes*

**Legend:** JPAC - JP AutocesteFBiH

## 8. LAND EXPROPRIATION

JP Autoceste has been the implementator of construction and beneficiary of land expropriation of the section Kakanj – Drivuša on the Corridor Vc. The procedure of land expropriation for this purpose is conducted in accordance with the Law of Expropriation (Official Gazette of FBiH no. 70/07, 36/10 and 25/12) and the Law of Administrative Procedure (Official Gazette of FBiH no. 2/98 and 48/99) by the municipalities of Kakanj and Zenica. The entire procedure involved employees of JP Autoceste (law graduates) as the representatives of the expropriation user.

The most of expropriation procedure for section Kakanj – Drivuša had been taken in 2009 and 2010 (it is presented in the upcoming tables), before the establishment of the public company of JP Autoceste. In that period there were no internal procedures of expropriation and reporting tables and, in the meantime, official case files are archived - therefore we are delivering summary of relevant data for that section.

The section of Kakanj – Drivuša Municipality of Kakanj					
General data	Date on sending the request for expropriation			17.02.2009.	
	Started work on the field			23.03.2009.	
	Total number of expropriated parcels			644	
	Total number of expropriated residential buildings			4	
	Total number of expropriation acts issued by municipality			450	
Cadastral data	Cadastral municipality	Tičići	Bilješevo	Vrtilište	Dumanac
	Total number of expropriated parcels	312	260	32	40
	Total area of expropriated parcels	174.389 m <sup>2</sup>	240.443 m <sup>2</sup>	85.566 m <sup>2</sup>	62.462 m <sup>2</sup>

**Table 11.a** – Table of complete expropriation procedure for the Municipality of Kakanj

The section of Kakanj – Drivuša Municipality of Zenica				
General data	Date on sending the request for expropriation		18.05.2009.	
	Started work on the field		27.05.2009.	
	Total number of expropriated parcels		308	
	Total number of expropriated residential buildings		12	
	Total number of expropriation acts issued by municipality		280	
Cadastral data	Cadastral municipality	Janjići	Putovići	Perin han
	Total number of expropriated parcels	156	136	16
	Total area of expropriated parcels	83.692 m <sup>2</sup>	79.244 m <sup>2</sup>	6.881 m <sup>2</sup>

**Table 11.b** – Table of complete expropriation procedure for the Municipality of Zenica

The cost of expropriation (total paid amount according to the agreements of compensation and amount based on the other conclusions as expert conclusion, splitting parcels etc.) for section of Kakanj – Drivuša per year is presented in following table.

Costs of expropriation (EUR)	
Costs paid during 2009 and 2010	5.073.110,77
Costs paid during 2011	1.384.601,65
Costs paid during 2012	309.150,53
Costs paid during 2013	141.941,83
Costs paid during 2014	307.939,90
Costs paid during 2015	64.357,14
<b>TOTAL:</b>	<b>7.281.101,83</b>

**Table 12.a.** – Costs of expropriation for section of Kakanj – Drivuša

In the following table the expropriation for section of Kakanj – Drivuša is presented in figures

The expropriation for section of Kakanj – Drivuša in figures	Total number of expropriated parcels	<b>952</b>
	Total area of expropriated parcels	<b>732.677 m<sup>2</sup></b>
	Total number of cases	<b>730</b>
	Total paid expences of expropriation (agreement of compensation, expert's conclusion, splitting parcels etc.)	<b>7.281.101,83 EUR</b>

**Table 12.b. – The expropriation for section of Kakanj – Drivuša in numbers**

It is very important to emphasize that within the territory of Kakanj municipality, in the section Kakanj – Drivuša, the procedure of a motorway planning was conducted i.e. the motorway was registered into the land registry entry and cadastral plans. For the purpose of this planning there was made so called land reparation within the cadastral municipalities (eg. 40 expropriated parcels from the cadastral municipality of Dumanac were merged into one integral parcel) and there was a change of their purpose (the parcels expropriated as meadows or woods are now designated as the motorway in the land registries). The Federation of BiH is registered as the motorway owner in the registers.

This procedure is still ongoing in the municipality of Zenica – there was made geodetic survey of the section's current state and a planning request was submitted to the authorized land register. The end of the procedure of the motorway planning is soon expected. Its finalization will make the section Kakanj – Drivuša to be the first section of motorway on the Corridor Vc that is registered in the land registries and cadastral records.

As for court proceedings we emphasize that 12 proceedings are currently brought before the authorized courts. The procedures are related to compensation legal procedures covering material and immaterial damages occurred in the construction process of Kakanj - Drivuša section. There are no active court procedures in relation to determining compensation for the expropriated real estates.



## 9. CONSTRUCTION PERMITS

In accordance with Law on land planning and land use in Federation of BiH, there is a defined procedure of issuing preliminary construction permit and final construction permit. In order to issue preliminary construction permit it is necessary to collect 17 approvals, whereas the issuance of final construction permit requires a preliminary construction permit, completed land expropriation activities and completed and revised main design.

The final construction permit has been obtained for section Kakanj – Drivuša, for subsection Kakanj-Bilješevo in April 2010 and for subsection Bilješevo – Gorica and Gorica – Drivuša in June 2010.

## 10. COMPLETION OF CONSTRUCTION WORKS

**Section Kakanj – Drivuša is completed and divided into three sub-sections:**

**Subsection Bilješevo - Kakanj**

- Contractor Consortium Viaduct d.d. and Heringd.d. ŠirokiBrijeg;
- Construction contract FEDA 70-B09-09 in the amount of 43.203.348,72 EUR signed on April 27, 2010 and completion of works on November 24, 2011;
- Addendum 1 was signed on November 24, 2011 due to work on the development of pavement constructions and traffic signals, and the deadline for completion was extended for 189 days until May 31, 2012;
- Addendum 2 was signed on May 31, 2012 due to further extension of the deadline for completion of works for 77 days due to adverse weather conditions and unforeseen circumstances with the completion of works until August 16, 2012;
- Addendum 3 was signed on December 12, 2012 due to the increasing volume of works on reconstruction of regional roads and toll station Kakanj. The completion date has been extended for 277 days until May 20, 2013 and there has been an increase in the estimated contract value of 60.000.000,00 EUR including VAT;
- Addendum 4 increased the final value of the contract works to 61.693.165,74 EUR including VAT by completion of works;
- Due to changes in geotechnical conditions on the ground in relation to the projected a significant increase in the volume of works has occurred and tendering without fully completing the project documentation (the part with located landfall tender has been in accordance with the Preliminary design);
- This section is in use and Approval for use has been obtained No. UPI/03-23-2-391/12 SK dated June 19, 2013.

- Consultant: Aecom Inocsa SLU, Spain Contract No.: FEDA-73-E33-09 in the amount of 1.322.882, 73 EUR including VAT signed on April 27, 2010. Duration of the Contract amounts 42 months;
- Addendum no. 1 was signed on November 24, 2011 due to extension of time for completion of the Construction contract FEDA 70-B09-09, there was an extension of the period of consultancy services to 48.2 months and an increase in the contract price to 1.928.178,72 EUR with VAT;
- Addendum no. 2 signed on May 31, 2012 due to increased value in the amount of 2.411.711,98 EUR including VAT due to increased volume of service for additional work and guarantee period with a new contract extension at 53,2 months;
- Addendum no. 3 increased the final value of supervision service at 2.878.014,54 EUR including VAT due to additional works on the reconstruction of the regional road R-445, a new toll station Kakanj and completion of the remaining works according to the Certificate of acceptance of papers. Deadline of the Contract has been extended to 61 months;
- Extension of the deadline and increase of the cost for supervision services was due to the extension of the deadline for execution of works with the Contractor.
- This section is in use and Approval for use has been obtained No. UPI/03-23-2-391/12 SK dated June 19, 2013.

### **Lot 3 Subsection Drivuša - Gorica**

- Contractor BH Consortium: Euro – Asfalt d.o.o., GP Put d.d. Sarajevo, Hidrogradnjad.d. Sarajevo and GP ŽGP d.d. Sarajevo;
- Number of Construction contract: FEDA 72-B11-09 signed on September 29, 2010 in the amount of 23.996.710.84 Euros including VAT, and completion of construction planned on October 27, 2012;
- Addendum no. 1 was signed December 10, 2012 due to extension of the deadline for completion of 216 days and due to increase of works to May 31, 2013 due to increase in the scope of work, due to natural disaster and unresolved property - legal relations ;
- Addendum no. 2 signed on June 25, 2013, thus the deadline of the Contract has been extended for 426 days to July 31, 2014, because of additional work caused by work on the development of pavement, traffic signals and installation of equipment toll station and Central Maintenance of Traffic Control in Drivuša. According to this Addendum a final value of the Contract in the amount 30.500.000,00 EUR including VAT has been estimated;
- Addendum no. 3 was signed on April 11, 2014 due to implementation and testing COKP Drivuša, and addition of equipment for tunnel 1. Mart to this Agreement. By signing this Addendum the final valuation of the Agreement has been increased on the amount of 36.670.000, 00 EUR including VAT, completion date of the Agreement has remained unchanged July 31, 2014.
- Addendum No.4 was signed on September 15, 2015 determining the final contract value as submitted by the Contractor under GCC Cl. 14.1 in the amount of 36.565.960,17 EUR including VAT.

- The deadline of the Contract has been extended first time to May 31, 2013 due to increase in the scope of work, due to natural disaster and unresolved property - legal relations, and second time to July 31, 2014, because of additional work caused by work on the development of pavement, traffic signals and installation of equipment of toll station and Central Maintenance of Traffic Control in Drivuša.
- This section is in use and Approval for use has been obtained No. UPI/03-23-2-218/14 dated August 25, 2014.
- Consultant: Aecom Inocsa S.L.U., Spain;
- The Contract of consulting services: FEDA-75-E35-09 in the amount of 1.390.742,73 EUR including VAT signed on October 14, 2010 with a contracted period of 42 months;
- Addendum no. 1 signed on December 10, 2012 there has been an extension of the Contract to 55 months and 5 days with deadline of Contract to May 31, 2015 for supervision service by Contract and supervision during the warranty period along with an increase in contracted value at 1.837.876,21 EUR including VAT;
- Addendum no. 2 was signed on July 4, 2013 due to extension of the deadline for completion of construction contract, and there has been an increase in consulting services and thus contract extension to 69 months and 5 days until July 31, 2016 and increased contract value to 2.416.846,34 EUR including VAT.
- Addendum no. 3 was signed on April 11, 2014 due to additional services and there has been an increase in the contractual value in the amount of 2.926.028,39 EUR including VAT. Date of completion of the Agreement has remained unchanged July 13, 2016.
- This section is in use and Approval for use has been obtained No. UPI/03-23-2-218/14 dated August 25, 2014.
- The value of services provided is 2.386.836,72 EUR including VAT
- Extension of the deadline and increase of the cost for supervision services was due to the extension of the deadline for execution of works with the Contractor.

#### **Lot 2 Subsection Gorica - Bilješevo (Tunnel 1. Mart)**

- First Contractor: SCT d.d. Ljubljana, Slovenia;
- Contract No. FEDA 71-B10-09 signed on June 23, 2010 in the amount of 54.602.849,29 EUR including VAT. On February 01, 2011 the Construction contract was terminated due Contractor's insolvency and multiple violations of the Contract;
- Second Contractor: PRIMORJE d.d. Ajdovščina, Slovenia;
- Construction deadline is 33 months;
- Construction start on April 27, 2011;
- Contract has been terminated on June 27, 2012 due to Contractor's insolvency;
- Construction works have been continued since August 23, 2012;
- Works performed by subcontractors from the previous contract, who have formed a Consortium in Phase I of the works, and now they have the status of main contractors;

- Contractor: BH Consortium: Euro – Asfalt d.o.o., Butmir d.o.o. Hidrogradnja d.d. Entea d.o.o. i GP ŽGP d.d.;
- Contract No. Phase I: JPAC 201-B24-11-1 signed on August 21, 2012 in the amount of 18.000.000 EUR, and completion of works planned on March 30, 2013;
- Addendum was signed on April 24, 2013 due to extension of completion of works until May 17, 2013 due to extremely unfavorable geological conditions;
- Addendum 2 was signed June 25, 2013 year due to an increase in the amount of contracted works at 22.875.610,90 EUR including VAT as a result of price correction;
- Based on Addendum 3, signed on December 27, 2013, a final contract value of 22.520.664, 88 EUR including VAT has been established by the completion of Phase I. On May 7, 2013 works of Phase II have been contracted which include the development of insulation, secondary coating, part installation and pavement;
- Contractor: JV Euro-Asfaltd.o.o. Sarajevo and GP ŽGP d.d. Sarajevo;
- Contract No. Phase II: JPAC 365-B48-12 in the amount of 24.403.099,87 EUR including VAT;
- Deadline of the Contract is 365 days;
- Addendum no. 1 signed on April 4, 2014 due to extension of the deadline for completion of works for 30 days, so the completion date is June 30, 2014. By this Addendum the contract value has been increased at 30.368.338,00 EUR including VAT due to works on electrical installations and ventilation inside the tunnel.
- Addendum no. 2 was signed on August 22, 2014 due to adverse weather conditions the deadline for completion of the works has been extend for 31 days, and the completion date is July 31, 2014. Based on the Addendum the contract value has been increased to 31.925.276,95 EUR including VAT.
- Addendum no. 3 was signed on May 08, 2015 which increased the contract value to 32,641,581.40 EUR including VAT.
- Construction began on 04.08.2010 with the Contractor SCT dd Slovenia, which had since gone bankrupt and the contract was terminated 01.02.2011 year. The work continued by Contractor Primorje dd Slovenia 04.05.2011 years, which also went bankrupt, and the contract was terminated 30.06.2012 year. The remaining works are divided into two groups; Phase I and Phase II. Carrying out of the remaining work was entrusted to subcontractors as new Contractor BH Consortium and works are completed 01.08.2014 year.
- The total value of completed works including VAT is 72.448.114,99 EUR,
- Primorje d.o.o: 17.285.868,67 EUR;
- Phase I, BH Consortium: Euro-Asfalt d.o.o, Butmir d.o.o, Hidrogranja d.d., Entea d.o. and ŽGP d.d. : 22.520.664,92 EUR
- Phase II JV: Euro-Asfalt d.o.o Sarajevo and ŽGP d.d. Sarajevo : 32.641.581,40 EUR

- Consultant: Institut IGH Zagreb, Croatia;
- Number of contract for consultancy services: Contract FEDA 74-E34-09 signed on July 14, 2010 in the amount of 2.320.929 EUR including VAT with duration of 39 months;
- Annex I signed on August 31, 2012 due to additional services surveying Tunnel Vijenac (current name: Tunnel 1. Mart) and conducting missions geotechnical engineering G41 and G42, so the contracted value had been increased to 2.380.540,50 EUR including VAT;
- Annexes II which was signed on November 7, 2013, the deadline term of the Contract has been extended on a total of 70 months due to termination of previous contracts with contractors SCT d.d. Ljubljana and Primorjed.d. Ajdovščina, and in order to ensure supervision of works under the Contract JPAC 365-B48-12 by the consultant team. Thus, there has been an increase in the value of the contract amount of 3.120.169,48 EUR including VAT.
- Annex III signed on April 11, 2014 due to extension of construction period the consulting services have been extended by a further month. The total duration of the contract is 71 months and the contract completion date is June 13, 2016 and the contracted amount has been increased to 3.207.923,37 EUR including VAT.
- Annex IV was signed on September 30, 2014 which extends the deadline of consultancy services. The total duration of the contract is 73 months and the contract completion date is set to be August 14, 2016. The contract value has been increased to 3.345.968,84 EUR including VAT.
- Annex V was signed on May 08, 2015 whereby the contract value has been to increased to 3,384,370.63 EUR including VAT due to the increased engagement of the Supervisory Team.
- The value of services provided is 3.368.511,50 EUR including VAT
- Extension of the deadline and increase the cost of the Contract for Supervision was due to bankruptcy of two contractors, SCT Ljubljna Slovenia and Primorje dd Ajdovščina Slovenia.

## 11. THE NUMBER OF NEW JOBS CREATED BY THE PROJECT

During the project implementation the maximum number of employees in the construction of subsection Bilješevo-Kakanj was about 285, while the average number of employees was around 155.

On the construction of subsection Gorica-Bilješevo (tunnel 1 Mart) maximum number of employees was about 175, while the average number of employees was around 95.

On subsection Drivuša-Gorica during construction maximum number of employees was about 160, while the average number of employees was around 70.

## 12. PROGRESS OF CONSTRUCTION WORKS

The following three tables show the progress of construction works on section Kakanj - Drivuša and its subsections: Lot 1: Bilješevo – Kakanj, Lot2: Gorica - Bilješevo (Tunnel 1. Mart) and Lot 3: Drivuša – Gorica.

The fourth table represents a time-table of start and end of construction works for all three subsections.

### 12.1. Lot 1: Bilješevo - Kakanj

#### Progress of construction works

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works in construction
1.		<b>MOTORWAY ALIGNMENT</b>					The project has been completed and the use permit has been obtained.
	1.1.	New Alignment	384 days	07.06.2010.	24.11.2011.	100%	
	1.2.	Reconstructed alignment	288 days	10.02.2011.	24.11.2011.	100%	
2.		<b>INTERCHANGE LUČANI</b>					
	2.1.	Construction of toll station „Lučani“	80 days	22.07.2011.	10.11.2011.	100%	
	2.2.	Underpassages „Lučani“	80 days	22.07.2011.	10.11.2011.	100%	
3.		<b>DRAINAGE</b>				100%	
4.		<b>ENGINEER'S CONSTRUCTIONS AND STRUCTURES</b>					
	4.1.	Passages		25.05.2010.	24.11.2011.	100%	
	4.2.	Project of recovery sliding area „Tičići“	310 days	24.05.2010.	29.07.2011.	100%	
5.		<b>BRIDGES</b>					
	5.1.	Construction of new bridge	394 days	24.05.2010.	21.06.2011.	100%	
	5.2.	Reconstruction of existing bridges	245 days	14.06.2010.	20.05.2011.	100%	
6.		<b>REGIONAL ROAD R445</b>					
	6.1.	Alignment	394 days	24.05.2010.	21.06.2011.	100%	
	6.2.	Engineer's constructions and structures	105 days	02.09.2010.	26.01.2011.	100%	
	6.3.	Bridges	105 days	11.06.2010.	04.11.2010.	100%	



	6.4.	Passage				100%	
<b>7.</b>		<b>LOCAL ROADS</b>	100 days	27.05.2011.	13.10.2011.	100%	
<b>8.</b>		<b>TRAFFIC – TECHNICAL EQUIPMENT</b>					
	8.1.	Traffic – tehcnical equipment for highway				100%	
	8.2.	Traffic – tehcnical equipment for regional road				100%	
	8.3.	Traffic – tehcnical equipment for local road				100%	
<b>9.</b>		<b>TRAFFIC OPERATION DURING CONSTRUCTION</b>				100%	
<b>10.</b>		<b>WORKS ON INSTALATIONS</b>	384 days	07.06.2010.	24.11.2011.		
	10.1.	Gas instalations				100%	
	10.2.	Electro – distributive lines - collisions				100%	
	10.3.	Electro energy supply				100%	
	10.4.	Optic cables and TC lines				100%	
	10.5.	Traffic information system				100%	
	10.6.	Other works				100%	

**Table 13.** *Progress of construction works*

## 12.2 Lot 2: Gorica - Bilješevo (Tunnel 1. Mart)

### Progress of construction works

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works in construction
1.		Earth Works On Portals And Cuttings		05.05.2011.	15.09.2011.	100%	Construction works have been completed and the subsection has been put in use.
2.		Protection And Support Works On Portals		05.05.2011.	25.09.2011.	100%	
3.		Drainage Works On Portals And Cuttings		05.05.2011.	15.11.2012.		
4.		Excavation In Tunnels And Crossconnection		25.08.2011.	31.03.2013.	100%	
5.		Support Works In Tunnels		25.08.2011.	31.03.2013.	100%	
6.		Support Works In Cross Connections		20.04.2012.	31.03.2013.	100%	
7.		Tunnels Waterproofing And Drainage		10.06.2012.	20.10.2013.	100%	
8.		Drainage Tunnels "Vijenac"		10.06.2012.	20.10.2013.	100%	
9.		Portals Canopies		10.09.2012.	20.09.2013.	100%	
10.		Concrete Works In Tunnels And Cross Connection		15.06.2012.	10.10.2013.	100%	
11.		Reinforcement		15.06.2012.	10.10.2013.	100%	
12.		Reinforced Concrete Of Carriageway		01.06.2013.	05.01.2014.	100%	
13.		Geotechnical Monitoring		05.05.2011.	01.12.2014.	100%	
14.		Earthing		01.08.2013.	01.12.2013.	100%	
15.		Horticulture		01.10.2013.	01.02.2014.	100%	
16.		Ventilation In Tunnels		01.10.2013.	01.02.2014.	100%	
	16.1.	Electromaterial And Electroworks For Tunnel Ventilation:		01.10.2013.	01.02.2014.	100%	
17.		Temporary approach roads		05.05.2011.	01.07.2011.	100%	
18.		Radio System Tunnel 1.mart		01.09.2013.	01.02.2014.	100%	
19.		System Of Sounding		01.09.2013.	01.02.2014.	100%	

20.		Summary Of Equipment And Assemblage Tv System Tunnel 1.mart (Item 20.1+20.2)		01.09.2013.	01.02.2014.	100%	
21.		Summary Equipment (Item 21.1 To 21.10) And Works Assemblage (Item 21.11.1 To 21.11.2) Of Remote Management And Supervision For Tunnel 1.mart		01.09.2013.	01.02.2014.	100%	
22.		Retaining Wall Z3, BetwenVijaductGorica And Tunnel 1.mart		01.05.2011.	01.12.2012.	100%	
23.		Retaining Walls Z1 And Z2, BetwenVijaductGorica And Tunnel 1.mart:		01.05.2011.	01.12.2012.	100%	
24.		Alignment Out Of Tunnel 1.mart		01.09.2013.	01.22.2014.	100%	
25.		Surface Sliding Gorica /Deluvium Erosion/		01.05.2011.	01.12.2011.	100%	
26.		Water Supply Tunnels Vijenac		01.03.2013.	01.12.2013.	100%	
27.		Diversion Of Village Existing Road		01.07.2013.	31.07.2013.	100%	
28.		Water Supply Tunnel 1.mart		01.03.2013.	01.12.2013.	100%	
29.		Hydrant Netting In Tunnel 1.mart		01.07.2013.	01.12.2013.	100%	
30.		Internal Tunnels Drainage		20.06.2012.	20.09.2013.	100%	
31.		Electrical Tunnels Supply		01.05.2013.	01.07.2013.	100%	
32.		Transformer Stations And Ups		01.05.2013.	01.07.2013.	100%	
33.		Design Of Lighting And Low Voltage Feeding Distribution Cabinet Tunnel Equipment		01.05.2013.	01.12.2013.	100%	
34.		Cable Tk Trenching In Front Of Tunnels:		01.05.2013.	01.12.2013.	100%	
35.		Optical Telecommunication Cables		01.08.2013.	01.02.2014.	100%	
36.		Telephone Calling System Tps		01.08.2013.	01.02.2014.	100%	
37.		System Of Fire Announcement		01.08.2013.	01.02.2014.	100%	
38.		Traffic SignalizationAnd Equipment In Tunnel 1.mart		01.11.2013.	25.01.2014.	100%	

**Table 14.***Progress of construction works*

### 12.3. Lot 3: Drivuša - Gorica

#### Progress of construction works

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works in construction
1.		<b>ALIGNMENT WORKS:</b>	622 days	22.11.2010.	20.10.2012.	100%	Construction works have been completed and the subsection has been put in use.
2.		<b>TOLL STATION DRIVUSA</b>	583 days	22.11.2010.	01.10.2012.	100%	
	2.1.	TOLL STATION DRIVUSA – OBJECTS	450 days	01.07.2011	01.10.2012.	100%	
3.		<b>CENTERFORMAINTENANCEANDTRAFFIC CONTROL -DRIVUŠA:</b>	532 days	07.03.2011.	27.10.2012.	100%	
	3.1.	COKP Drivuša – objects	425 days	15.08.2011	15.10.2012	100%	
4.		<b>OTHERTRAFFICAREA (Loop Drivuša, retaining walls, crossroads Mošćanicaexteriorlandscaping)</b>	583 days	22.11.2010.	01.10.2012.	100%	
5.		<b>INTERNAL DRAINAGE:</b>	503 days	15.03.2011	20.10.2012	100%	
	5.1.	INTERNAL DRAINAGE (misses):	503 days	15.03.2011	20.10.2012	100%	
6.		<b>CONSTRUCTIONENGINEERING:</b>				100%	
	6.1.	TOTAL BRIDGE M – 1	190 days	01.07.2011	10.01.2012	100%	
	6.2.	TOTAL BRIDGE M	425 days	01.08.2011	05.09.2012	100%	
	6.3.	TOTAL BRIDGE M – 2	540 days	01.03.2011	01.09.2012	100%	
	6.4.	TOTAL BRIDGE M – 3	697days	10.11.2010	27.10.2012	100%	
	6.5.	TOTAL BRIDGE; UNDERPASS DRIVUŠA	150 days	01.06.2011	01.11.2011	100%	
	6.6.	TOTAL OVERSIGHT DRIVUŠA	120 days	15.04.2011	25.07.2011	100%	
7.		<b>TRAFFIC EQUIPMENT AND SIGNALING</b>				100%	
8.		<b>PROCETION OF NOISE</b>				100%	
9.		<b>INSTALLATION</b>	180 days	01.11.2011	01.05.2012	100%	

Table 15. Progress of construction works

#### 12.4. Schedule of construction works for all three subsections

Section	Subsection	Lenght (km)	Start of works	End of works
Drivuša-Kakanj	Bilješevo - Kakanj	9,45 km	27.04.2010	13.11.2012 (motorway sub-section Kakanj-Bilješevo) 20.05.2013 (regional road and Side Toll station Kakanj under Addendum 3)
	Gorica - Bilješevo (Tunnel 1. Mart)	3,075 km	04.08.2010	31.07.2014
	Drivuša - Gorica	2,865 km	29.09.2010	31.07.2014

**Table 16.** *Schedule of start and end of works*

