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BOSNIA AND HERZEGOVINA  
FEDERATION OF BOSNIA AND HERZEGOVINA

PUBLIC COMPANY MOTORWAYS IN  
FEDERATION OF BOSNIA AND HERZEGOVINA LTD. MOSTAR

PROJECT:  
**MOTORWAY ON CORRIDOR 5c IN FEDERATION OF BiH**

**PROGRESS REPORT No.7**  
(up to 31.12.2011.)

Mostar, January 2012 .

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## **1. INTRODUCTION**

### **1.1. About us**

Public company Motorways in Federation of Bosnia and Herzegovina, Ltd Mostar, is registered in a court in Mostar on 28.10.2010 in accordance with the Law on roads ("Official Gazette FBiH", No. 12/10 and 16/10), the Law of Management company (" Official Gazette FBiH", No.23/99,45/00,2/02,6/02,29/03,68/05,91/07,84/08,88/08 and 7/09) and the Decision of status issues of Public company Motorways in Federation of Bosnia and Herzegovina Ltd Mostar adopted by the Government Federation of Bosnia and Herzegovina (Decision V No.593/10 from 1.7.2010) at its 149 session held on 1.July 2010. in Sarajevo.

Activities of Public company Motorways in FBiH are defined by statute of Public company as jobs and tasks on motorways and express roads in FBiH and:

- Preparation long-term, medium term and annual plans and development programs, maintenance, protection, reconstruction, construction, reconstruction of roads and structures on the roads as well as reports on implementation of these plans and programs;
- Perform of maintenance and protection;
- Investor transactions for studies and projects, renovation, construction, reconstruction and maintenance on roads and buildings;
- Proposing financial plans and improve ways of raising funds intended for the road;
- Keeping database of roads, buildings, traffic signs and equipment on roads and road cadastre land belt;
- Assignment of work on reconstruction, construction, rehabilitation and maintenance of roads;
- Preparing and monitoring the implementation of measures and activities to promote safety traffic on roads managed by;
- Prepare the basis for granting concessions and ensuring professional and technical supervision;
- Organization of toll collection system
- Gathering data and informing the public about the condition of roads and method of traffic flow;
- Taking the necessary measures to preserve and protect the environment
- Organizing and providing services to users of motorways and express roads, etc..

The Government of the Federation of Bosnia and Herzegovina at its meeting held 22.12. 2010, on the proposal of Federal Ministry of Transport and Communications, made the decision to appoint a proxy Assembly representing the Company in accordance with the Regulation on the exercise of powers authority Federation of Bosnia and Herzegovina in

companies with state capital and The decision to appoint a temporary supervisory board of Public company FBiH ("Official Gazzette FBiH" No.88/10).

On 28.12.2010. a session of the Assembly Public company Motorways FBiH was held in the presence of a notary where the Statute of Public company Motorways FBiH has been adopted. At the same day there was also a meeting of the Supervisory Board of Public company Motorways FBiH at which approval was given and adopted Rules of Procedure of Public company Motorways FBiH and Regulations on internal organization affairs Public company Motorways FBiH.

In this way they acquire all conditions to stop work Federal Authority for the construction, operation and maintenance of motorways on day 31.12.2010 and to start with work of Public company Motorways of the Federation of Bosnia and Herzegovina.

In accordance with provisions of the Law of the roads of the Federation of BiH, Public company Motorways in FBiH take all equipment, employees and records of the Federal directorate for construction, operation and maintenance motorways or Public company motorways in FBiH is the legal successor of the Federal directorate for construction, management and maintenance.

## 1.2. Project description

At Conferences held in Crete and Helsinki in 1994 and 1997, ten trans-European transport corridors were identified as routes in Central and Eastern Europe that require priority investments. Corridor V (Five), linking Kiev in Ukraine to the Adriatic Sea via Lvov and Budapest(Hungary) was 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 contains the longest section of the Vc branch. With a total length of approximately 340 km, the driving force behind construction of the Corridor Vc motorway is to improve connectivity of BiH with its neighbouring countries and to enhance its potential for economic development. The project has strong support from the government and is expected to enable BiH to integrate better with the European economic and social structure.

Corridor Vc motorway in BiH 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 the construction is on entities level. The Government of Federation of B&H has already completed construction of 37 km long section of motorway in Lot 2 north of Sarajevo on the section between Sarajevo (Jošanica) and Kakanj.

Part of the Corridor Vc, in length 8 km (Sarajevo bypass) is under construction and expected date of completion is end of 2014 year. Project is financed by the loans of EIB, EBRD, OPEC and WB.

The EIB and EBRD are financing four new sections within the four above mentioned "Lots" which are marked as high priority sections by Government of Federation B&H. These sections are as follows:

- **Section 1:** Drivuša to Kakanj, section within Lot 2 (15,2 km);
- **Section 2:** Vlakovo to Tarčin, section within Lot 2 (20 km);
- **Section 3:** Pocitelj to Bijača (southern Border with Croatia) within Lot 4 (20 km);
- **Section 4:** Odzak to Svilaj (northern border with Croatia) Lot 1 (10 km).

Section 1 is entirely located in one Canton (Zeničko-Dobojski), traversing through the southern half of the Municipality of Zenica and a south-western section of the Municipality of Kakanj. With a right of way of approximately 60-70 metres, the Corridor in section 1 follows the narrow Bosna river valley, which is characterized by undulating hillsides and minimal forest coverage. Corridor Vc in Section 1 largely follows existing infrastructure including main road M17 and, in certain sections, the railway Vrpolje to Sarajevo.

Section 2 is located in two cantons ( 90% in Canton Sarajevo and 10% in Middle –Bosnia canton), traversing through the western and then southern part of the capital Sarajevo passing through urban and industrial area (Vlakovo and Rakovica) of Canton Sarajevo. The Corridor, in this part, starts its way through mountain area of Federation of BiH. Thus, this section will already have over 6 km of tunnels. In this direction except the highway will be the existing main road M17.

Section 3 is entirely located in two cantons (The Herzegovina-Neretva Canton and West Herzegovina Canton) traversing roughly the northern and western part of Municipality Čapljina and Ljubuški. According to the plans this part of the Corridor Vc will also be a part of Adriatic – Ion motorway. It will improve connection between B&H and Croatia on the south and the Adriatic sea.

Section 4 is entirely located in one Canton (Posavina Canton) connecting northern part of BiH with Croatia and Corridor X. In addition it is also a continuation of the completed section of Corridor Vc coming from Hungary and Croatia. This area is mostly flat, there is no important structures on the motorway beside 660 m long bridge over the river Sava and border crossing.

It is planned to complete all these four sections up the end of 2014 when total constructed length of Corridor Vc in Federation BiH will be 125 km.

Part of the construction is also the Zenica bypass (section from Drivuša to Donja Gračanica, 8 km long section within Lot 2). This section will be financed partly by Kuwait Investment Fund. The loan agreement has been signed in 2009 in amount of 30 million Euro.



**Picture 1:**  
Network of motorways, expressways and trunk roads in Federation of Bosnia and Herzegovina

## 2. LOAN AGREEMENTS

In a purpose to create stabile financing structure Public company Motorways in Federation of Bosnia and Herzegowina contact international financing institutions for support of these project through loan agreements. First requests have been made in May 2007 and up to date two loan agreements have been signed.

First loan agreement was signed in October 2008 with EBRD in amount of 180 millions Euro for:

- |   |                 |
|---|-----------------|
| ➤ Section Kakanj – Drivuša                      | 60 million Euro |
| ➤ Section Vlakovo – Tačin                       | 60 million Euro |
| ➤ Sections Počitelj – Bijača and Svilaj – Odžak | 60 million Euro |

Second loan agreement was signed in December 2008 with EIB in amount of 75 millions Euro for:

- |                            |                 |
|----------------------------|-----------------|
| ➤ Section Kakanj – Drivuša | 75 million Euro |
|----------------------------|-----------------|

Third loan agreement is going to be signed with EIB in amount of 166 millions Euro for:

- Section Vlakovo – Tarčin and
- Section Svilaj – Odžak

Financial proposal for this amount has been submitted to Federation of BiH end of November 2010. Financial negotiation are expected to be in July 2011. Signing this Loan agreement is expected in September 2011.

The fourth Loan agreement is planned to be signed with EIB in amount of 60 millions Euro for section Počitelj - Bijača after confirmation of final location for the bridge Počitelj by the Parliament.

### 3. PROCUREMENT PLAN

Public company Motorways in Federation of Bosnia and Herzegovina prepared estimated procurement plan. The estimated values are planned but real values will be determined after completion of the main project and tender procedure.

Amount in Thousands EUR

1	2	3	4	5	6	7	8	9	10	11
No.	Description	Estimated	Financing by	Financing by others	Contract	Contract	Procurement	Tender	Contract	Contract
		Contract Value	EBRD and EIB	Financier	Amount	Type	method	mmm/yy	Award mmm/yy	Completion mmm/yy
1	Drivuša-Kakanj Motorway Design	3,200								
a	Bilješevo - Kakanj	1,600		FBHMD		Consultancy		Jan-07	Oct-07	Nov-08
b	Drivuša - Gorica - Bilješevo	1,600		FBHMD		Consultancy		Jan-07	Oct-07	Nov-08
2	Drivuša-Kakanj Construction Supervision	6,500								
a	Bilješevo - Kakanj	1,800	EIB		1,103	Consultancy	Competitive	May-09	April-10	May-12
b	Gorica - Bilješevo	3,000	EBRD		1,984	Consultancy	Competitive	May-09	June-10	April-14
c	Drivuša - Gorica	1,700	EIB		1,189	Consultancy	Competitive	May-09	Oct-10	Dec-12
3	Drivuša-Kakanj Motorway Construction	128,500								
a	Bilješevo - Kakanj	41,000	EIB		36,926	Works	Open	Feb-09	April-10	May-12
b	Gorica - Bilješevo	57,000	EBRD		53,061	Works	Open	May-09	April-11	Jan-14
c	Drivuša - Gorica	30,500	EIB		20,510	Works	Open	Sep-09	Sep-10	Sep-12

**Table 1a. Procurement plan**



1	2	3	4	5	6	7	8	9	10	11
No.	Description	Estimated	Financing by	Financing by	Contract	Contract	Procurement	Tender	Contract	Contract
		Contract Value	EBRD and EIB	Financier	Amount	Type	method	mmm/yy	mmm/yy	Completion mmm/yy
4	Vlakovo-Tarčin Motorway Design	3,390								
a	Vlakovo - Lepenica	1,560		FBHMD		Consultancy	Competitive	Jan-08	Jun-08	June-10
b	Lepenica - Tarčin	1,830		FBHMD		Consultancy	Competitive	Jan-08	Jun-08	June-10
5	Vlakovo-Tarčin Construction Supervision	7,500								
a	Vlakovo - Lepenica	3,000	EIB			Consultancy	Competitive	Sep-11	April-12	Oct-14
b	Lepenica - Suhodol	1,500	EIB			Consultancy	Competitive	Sep-11	May-12	May-14
c	Suhodol - Tarčin	3,000	EBRD			Consultancy	Competitive	March-11	Jan-12	Jan-15
6	Vlakovo-Tarčin Motorway Construction	172,500								
a	Vlakovo - Lepenica	74,000	EIB			Works	Open	Aug-11	April-12	April-14
b	Lepenica - Suhodol	41,500	EIB			Works	Open	Sep-11	May-12	May-14
c	Suhodol - Tarčin	57,000	EBRD			Works	Open	Nov-10	Jan-12	July-14
7	Počitelj-Southern Border with Croatia Motorway Design	2,500		MOCT		Consultancy	Competitive	Aug-07	Feb-08	April-11
8	Počitelj-Zvirovići Motorway Design_new	2,000	EIB-grant			Consultancy	Competitive	Jan-12	April-12	Oct-13

Table 1b. Procurement plan

Public company Motorways in  
Federation of Bosnia and Herzegovina Ltd. Mostar

1	2	3	4	5	6	7	8	9	10	11
No.	Description	Estimated Contract Value	Financing by EBRD and EIB	Financing by others Financier	Contract Amount	Contract Type	Procurement method	Tender mm/yy	Award mm/yy	Completion mm/yy
9	Počitelj-Southern Border with Croatia Construction Supervision	4,500								
a	Počitelj - Zvirovići without bridge Počitelj	1,200	EIB			Consultancy	Competitive	Oct-12	Oct-13	Dec-14
b	Bridge Počitelj	1,500	EIB			Consultancy	Competitive	Oct-12	Oct-13	Oct-15
c	Zvirovići - Bijača	1,800	EBRD			Consultancy	Competitive	Sept-10	Aug-11	Dec-13
10	Počitelj-Southern Border with Croatia Motorway Construction	115,500								
a	Počitelj - Zvirovići without bridge Počitelj	38,000	EIB			Works	Open	Oct-12	Oct-13	Dec-14
b	Bridge Počitelj	19,300	EIB			Works	Open	Jan-12	Oct-13	Oct-15
c.i	Zvirovići - Kravice	43,200	EBRD			Works	Open	Sep-10	Dec-11	Dec-13
c.ii	Kravice - Bijača	15,000	EBRD			Works	Open	July-10	Aug-11	June-12
11	Odžak-Northern Border with Croatia Motorway Design	1,500		MOCT		Consultancy	Competitive	Aug-07	Feb-08	Aug-11
12	Odžak-Northern Border with Croatia Construction Supervision	2,000	EIB			Consultancy	Competitive	Nov-11	Sep-12	Sep-13
13	Odžak-Northern Border with Croatia Construction Supervision	58,000	EIB			Works	Open	Nov-11	Sep-12	Sep-13
14	Land Acquisition	22,498		PCMFBH						
15	VAT (17%)	71,923		PCMFBH						
	<b>TOTALS</b>	<b>105,011</b>		PCMFBH MOCT						
	<b>TOTALS</b>	<b>495,000</b>	EIB, EBRD							

Table 1c. Procurement plan

**Legend:**      **MOCT** -      Ministry of Transport and Communications BH  
                     **PCMFBH** -      Public company Motorways in Federation of Bosnia and Herzegovina

## 4. MAIN DESIGN

Execution of the main design is divided into three parts. The reason of this is the that the main design was started to be prepared before Public company Motorways in Federation of Bosnia and Herzegowina was fully established and completed delivery of all works related to the Corridor 5c. Status of Main design preparation is as following:

No.	Section	Client	Status	Remark
1.	Vlakovo – Lepenica	PCMFBH	Finished	Revised
2.	Lepenica – Tarčin	PCMFBH	Finished	Revised
3.	Dionica Kakanj – Drivuša, poddionica Gorica – Drivuša i Bilješevo – Gorica	PCMFBH	Finished	In construction
4.	Dionica Kakanj – Drivuša, poddionica Kakanj – Bilješevo	PCMFBH	Finished	In construction
5.	Dionica Svilaj - Odžak	MOCT	Finished	Revision of main design is in progress. It is projected interchange Odžak .
6.	Dionica Zvirovići - Bijača	MOCT	Finished	Revised
7.	Dionica Tarčin – Konjic	PCMFBH	In progress	This section is divided on two subsections: Tarcin- Zukici and Zukici- Konjic
	Poddionica Tarčin – Zukići	PCMFBH	In progress	Projecting in progress L=10 km
	Poddionica Zukići – Konjic	PCMFBH	In progress	Projecting in progress L=11 km
8.	Sarajevo bypass Lot3A and Lot 3B	PCMFBH		Taking documentation between FRD and PCMFBH in progress
9.	Mostar north – Mostar south	MOCT	Main project finished	Taking documentation between MOCT and PCMFBH is in progress . Possible redesign in dependence of adopted spatial plan for Corridor Vc.
10.	Mostar south– Počitelj	MOCT	Main project finished	Taking documentation between MOCT and PCMFBH is in progress. Possible redesign in dependence of adopted spatial plan for Corridor Vc..

**Table 2.** Progress of the main designs

**Legend:** **MOCT** - Ministry of Transport and Communications BH  
**FRD** - Federal Road Directorate  
**PCMFBH** - Public company Motorways in Federation of Bosnia and Herzegovina

## 5. LAND ACQUISITION

Activities on this item started on five sections. Section Kakanj - Drivuša is completed, and sections Vlakovo - Tarčin and Bijača - Počitelj subsection Bijača – Zvirovići are in progress. Land acquisition for sections Donja Gračanica – Drivuša and Svilaj – Odžak started in September. The following table 3 shows the activities on land acquisition and progress on it.

	Section	Municipality	Submitted request to start land acquisition	Started work on the field	Parcels include in Elaborate of expropriation	Issued decisions of land acquisition	Number of agreements	Completed (%)
1.	Kakanj – Drivuša	Kakanj	17.02.2009.	23.03.2009.	582	442	433	99%*
		Zenica	18.05.2009.	27.05.2009.	276	186	161	
2.	Vlakovo – Tarčin	Ilidža	01.09.2010.	24.09.2010.	406	144	130	65%
		Kiseljak	11.08.2010.	30.08.2010.	524	241	224	85%
		Hadžići	11.08.2010.	30.08.2010.	274	97	93	99%
3.	Bijača – Počitelj	Čapljina	02.09.2010.	02.09.2010.	300	119	107	92%
		Ljubuški	02.09.2010.	02.09.2010.	240	99	95	96%
4.	Donja Gračanica – Drivuša	Zenica	29.07.2011.	12.09.2011.	134	18	18	10%
5.	Svilaj – Odžak	Odžak	24.08.2011.	12.09.2011.	410	50	50	10%

Table 3. Physical progress of land acquisition

\* Remaining subjects are in process of agreement

## 6. CONSTRUCTION PERMITS

In accordance with Law of land planning and land use in Federation of B&H it defined a procedure of issuing preliminary construction permit and final construction permit. For issuing of preliminary construction permit it is necessary to collect 17 approvals, while for final construction permit requires preliminary construction permit, completed land acquisition and completed and revised main design.

It has obtained a final construction permit for section Kakanj – Drivuša. For subsection Kakanj Binješevo in April 2010 and for subsection Bilješevo – Gorica and Gorica – Drivuša in Jun 2010.

The tables in Appendix 1. shows physical progress for obtaining urban approval and construction permit per section.

## 7. PREPARATION ACTIVITIES FOR CONSTRUCTION PROJECTS

In the following paragraphs are presented preparatory activities for construction projects divided into sections and subsections.

➤ Section Počitelj – Bijača is divided into four Lots:

- **Lot 1** Subsection Bijača – Kravice
  - Urban planning permit is expected in early July. Land acquisition is finished
  - Opening of financial bids were on 10th May 2011
  - The contract was signed 06.09.2011. Contractors were introduced into the possession and works begin in late September
  - Preliminary values of works is 23.308.804,00 Euro (with VAT)
  - The deadline for the work is 10 months

- **Lot 2** Subsection Kravice – Zvirovići
  - Prequalification documents are opened in October 2010
  - Urban planning consent was released
  - Acquisition of land is finished.
  - Opening of financial bids was 28.11.2011 in Mostar
  - Arithmetic error control of offered price have been made. Evaluation of technical and financial part of the bid is pending
  - Start of construction is scheduled for March 2012
  - Preliminary values of works is 45 millions Euro (without VAT)
  - The deadline for the work is 24 months

Tender procedure for Supervision for Lot 1 and Lot 2 are finished. Contract was signed 19.09.2011. The same contractor signed a contract for both lots.

For Lot 3 Počitelj - Zvirovići and Lot 4 Bridge Počitelj the procedures for selecting contractors have not started yet. The reason is that it has not adopted a spatial plan and the route of the motorway in this area.

➤ Section Vlakovo – Tarčin is divided into three Lots:

- **Lot 1** Subsection Tarčin – Suhodol
  - Land acquisition and collection of documentation for urban development approval and construction permit is in progress
  - Opening of financial bids was held in Mostar on 10.01.2012.
  - Procedures of land acquisition and collecting of urban planning permit and construction permit is in progress
  - Arithmetic error control of offered prices and evaluation of technical and financial parts of the tender is scheduled for January 2012
  - Start of construction is scheduled for March 2012
  - Preliminary values of works is 57 millions Euro (without VAT)
  - The deadline for the work is 36 months

Tender procedure for Supervision for this section is still in progress. Technical and financial bids are received 06.12.2011. Evaluation of technical offers is ongoing until 18.01.2012. After that follows opening of financial bids and start of the negotiations with the best bidder. Signing the contract is scheduled for March 2012

- **Lot 2** Subsection Lepenica – Suhodol
  - Prequalification documents received and opened 15.11.2011
  - Evaluation of received documentation is finished, Director of motorways received report (we need his approval before sending report to EIB)
  - Sending PQ report for EIB is scheduled for 23.01.2012
  - Call for submission of financial bids for subsection Lepenica – Suhodol is scheduled for March 2012
  - Collecting urban planning permits and construction permits
  - Land acquisition in municipalities Hadžići, Kiseljak, i Ilidža
  - Construction works on subsection Lepenica - Suhodol are scheduled for September 2012
  - Preliminary values of works is 41,5 millions Euro (without VAT)
  - The deadline for the work is 20 months
  
- **Lot 3** Subsection Vlakovo - Lepenica
  - Prequalification documents received and opened 11.10.2011
  - Evaluation of received documentation is finished, Director of motorways received report (we need his approval before sending report to EIB)
  - Sending PQ report for EIB is scheduled for 23.01.2012
  - Call for submission of financial bids for subsection Lepenica – Suhodol is scheduled for March 2012
  - Collecting urban planning permit and construction permits
  - Land expropriation in municipalities Hadžići, Kiseljak, and Ilidža
  - Construction works on subsection Vlakovo – Lepenica are scheduled for September 2012
  - Preliminary values of works is 74 millions Euro (without VAT)
  - The deadline for the work is 24 months

➤ Section Svilaj – Odžak

- Land acquisition has started in September 2011
- Redesigning are ongoing
- Call for prequalification is planned for April 2012
- Construction works are scheduled for March 2013
- Preliminary values of works is 58 millions Euro (without VAT)
- The deadline for the works is 12 months

## 8. PROJECT CONSTRUCTION

It is currently under construction Section Kakanj – Drivuša which is divided in three lots:

➤ **Lot 1** Kakanj – Bilješevo

- Contract value 43,2 million Euro
- Contractor Joint Venture Vijadukt (Croatia) and Hering (Bosnia and Herzegovina)
- Deadline 18 months
- Start of construction 24.05.2010

➤ **Lot 2** Bilješevo – Gorica (tunnel Vijenac 2964 m)

- Contract value 62.081.529,52 Euro
- Contractor PRIMORJE d.d. (Slovenia)
- Deadline 33 months
- Start of construction 27.04.2011

➤ **Lot 3** Gorica – Drivuša

- Contract value 24 mil Euro
- Contractor Joint Venture BH Joint Venture (Bosnia and Herzegovina)
- Deadline 24 months
- Contract signed 28.9.2010



➤ **Lot 1** Construction works on the subsection Bijača – Kravice

- Contract value 23.308.804,00 EURO
- Contractor BH Konzorcij (Bosnia and Herzegovina)
- Deadline 10 months
- Contract signed 06.09.2011

Details of completion of contracted works and project status is given in Appendix 2.

## 9. FINANCIAL POSITION

### 9.1. Payment from EIB loan

➤ Lot 1 Kakanj – Bilješevo

**Constructor:** JV Viadukt d.d. – Hering d.d.

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EURO
1	Advance	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	7.10.2010.	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

Public company Motorways in  
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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
<b>Total:</b>			<b>21.596.892,99</b>		<b>4.157.952,20</b>		<b>25.754.845,19</b>

**Table 4a.** *Payment from EIB loan to Constructor*

**Note:** Net payments were done from EIB loan and VAT from Government FBH fund.

**Supervision:** INOCSA Ingenieria S.L.

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EURO
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

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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
<b>Total:</b>			<b>1.042.035,08</b>		<b>177.145,97</b>		<b>1.219.181,05</b>

**Table 4b.** *Payment from EIB loan to Supervision*

➤ Lot 3 Gorica – Drivuša

**Constructor:** BH Joint Venture

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EURO
1	Advance	October 2010	2.051.000,92	03.11.2010.	348.670,16	27.10.2010.	2.399.671,08
2.	First Interim Certificate	March 2011	764.126,36	19.04.2011.	147.113,79	25.04.2011.	911.240,15
3.	Second Interim Certificate	April 2011	1.106.232,09	26.05.2011.	210.194,47	01.06.2011	1.316.426,56
4.	Third Interim Certificate	June 2011	1.307.693,32	15.07.2011	372.104,38	21.07.2011	1.679.797,70
5.	Fourth Interim Certificate	July 2011	857.551,72	12.09.2011	170.643,06	09.09.2011	1.028.194,78
6.	Fifth Interim Certificate	September 2011	941.228,66	30.11.2011	189.583,97	28.11.2011	1.130.812,63
7.	Sixth Interim Certificate	November 2011	761.133,59	30.12.2011	49.601,01	29.12.2011	810.734,60
<b>Total:</b>			<b>7.788.966,66</b>		<b>1.487.910,84</b>		<b>9.276.877,50</b>

**Table 5a.** Payment from EIB loan to Constructor

**Note:** Net payments were done from EBRD loan and VAT from Government FBH fund.

**Supervision:** INOCSA INGENIERIA S.L.

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EURO
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

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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.	Eight 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
<b>Total:</b>			<b>491.083,19</b>		<b>83.483,13</b>		<b>574.567,23</b>

**Table 5b. Payment from EIB loan to Supervision**

## 9.2. Payment from EBRD loan

- Lot 2 Bilješevo – Gorica (tunnel Vijenac 2964 m)

**Constructor: PRIMORJE d.d.**

No .	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EURO
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

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3.	Second Interim Certificate	October 2011	1.146.769,23	7.12.2011	220.782,43	9.11.2011	1.367.552,32
<b>Total:</b>			<b>7.941.478,64</b>		<b>1.409.038,39</b>		<b>9.350.891,77</b>

**Table 6a. Payment from EBRD loan to Constructor**

Note: The amount of 5,306,114.56 Euro will be partially paid from loan funds EBRD (639,204.36 Euro) while the second part of the amount of 4,666,910.20 Euro paid from funds that were charged protest advance bank guarantee issued of NLB dd Ljubljana for SCT d.d. Ljubljana. These advance previously paid to SCT in the loan funds.

**Supervision: IGH d.d.**

Description		Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EURO
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.	Eight 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

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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	Thirteen Interim Certificate	September 2011	45.140,91	16.11.2011	7.679,95	21.10.2011	52.814,86
<b>Total:</b>			<b>612.764,80</b>		<b>104.170,01</b>		<b>716.934,81</b>

**Table 6b.** *Payment from EBRD loan to Supervision*

BH Joint Venture – Euroasfalt (Bijača – Kravice)

No.	Description	Period	Net amount exc. VAT EUR	Date of payment	VAT	Date of payment	Total amount EURO
1.	Advance	September 2011	1.992.205,54	14.11.2011	338.674,94	13.10.2011	2.330.880,48
<b>Total:</b>			<b>1.992.205,54</b>		<b>338.674,94</b>		<b>2.330.880,48</b>

**Table 7a.** *Payment from EBRD loan to Constructor*

### 9.3.Summary

No.	Loan EIB			Remark
	Withdrawn No.1		12.000.000,00 (€)	27.08.2010.
	Withdrawn No.2		11.000.000,00 (€)	29.12.2010.
	Withdrawn No.2		15.000.000,00 (€)	4.10.2011
	Total:		38.000.000,00 (€)	
1	LOT 1	JV VIADUKT d.d. - HERING d.d.	21.596.892,99 (€)	Details in Table 4a.
2		INOCSA INGENIERIA S.L..	1.042.035,08 (€)	Details in Table 4b.
3	LOT 3	BH Konzorcij	7.788.966,66 (€)	Details in Table 5a.
4		INOCSA INGENIERIA S.L..	491.083,19 (€)	Details in Table 5b.
		The remaining sum:	7.081.022,08 (€)	

**Tabela 7.** Summary report of EIB Loan

No.	EBRD Loan			Remark:
	Total Withdrawn:		59.390.000,00 (€)	
1		PRIMORJE d.d.	5.306.114,56 (€)	Section Drivuša- Kakanj, part 1 of main contract Details in table 6a.
2		IGH d.d.	612.764,80 (€)	Details in table 6b.
		BH Konzorcij	1.992.205,54 (€)	Počitelj- Southern border with Croatia, part 3 of main contract Details in table 7a.
The remaing sum:			48.843.551,02 (€)	

**Table 8.** Summary Report about EBRD Loan



## 10. ENVIRONMENTAL IMPACT

Until the end of June 2011, the Federal ministry of Environment and Tourism issued three environmental permits. The first was issued in February 2009 for sections Kakanj – Drivuša and Vlakovo – Tarčin, while the second was issued in September 2010 for section from Svilaj (including part of the bridge which belongs to the Bosnia and Herzegovina) to Dobož South (Karuše). Environmental permit for section Mostar North – Southern border, subsection Bijača – Zvirovići was issued in December 2010.

During the normal cycle of maintenance (September- December) we performed cleaning of the closed drainage system – drains and drainage separators on the motorway route Kakanj – Jošanica. During this action we have cleaned 76 separators – 22 concrete, 11 steel and 43 polyethylene separators.

In same period, we performed activities in tendering and signing of contract to provide services on monitoring air, soil and water quality. We tested water quality at 76 outlets in the environment – in accordance with environmental permit. This activities continued throughout December. This material is very large and we will include it in Progress report No 8 with complete testing results containing conclusions and measures to eliminate any possible irregularities and deficiencies.

When we talking about air and soil quality, it is important to mention that we took 10 samples of air and 6 samples of soil. Analysis are in progress.

In the section Bijača – Kravice we performed preventive archeological reserching during period September – December. We found two archeological sites on this route. Also, we made relocation and protection of this sites and artifacts during December.

On the same section we made management plan for construction plan same as plan for monitoring of air and soil quality during construction stage. It's performed initial examination and first results will be known in January 2012.

## 11. MISCELLANEOUS

Section Zvirovici Bijaca is a part of the corridor Vc motorway. The alignment is located south of Mostar, on the southern border of Bosnia and Herzegovina with the Republic of Croatia. Construction works are divided into two contracts as following:

Contract	Section	Type of road	Length (km)	Construction period
1	Kravice - Bijača	Motorway	4,06	10 months
2	Zvirovići - Kravice	Motorway	5,00	20 months

After land acquisition process have been finished in the territory of municipalities of Čapljina and Ljubuški works on the construction have been started – contract 1 Kravice – Bijača. Construction works will be paid from EBRD loan. This contract was awarded to BH Joint Venture and supervision to Roughton international Ltd. Construction period for this contract is 10 calendar months.

Contract 1 consists of the construction of the subsection of motorway between Kravice and Bijača which starts on the rest area at Kravice and finishes on the south border with Croatia in village Bijača, beyond the new border crossing facility, which is to be constructed as part of separated contract.

Subsection Kravice –Bijača is 4,06 km long excluding border crossing facility .

Construction on this section includes:

- The main alignment with new double carriageway motorway over 4,06 km
- The overpasses, one in Podine, 72 m long and a second one, 90 m long at Zvirici Interchange
- Three underpasses : Dol, Sulet and Galići
- One interchange “Zvirici”
- Frontal toll station
- A center for maintenance and traffic control

During the period November – December earthworks as excavation and embankment on the whole section, bulk in the plateau zone COKP Zvirici and excavation at position underpassing Sulet and Galici. Control drilling were carried out at locations of underpasses foundation. Also, underlying concrete has been set for the fundamental lanes. Beside this the preparations for making external drainage system and relocation of existing water and electrical installations.

During December the Contractor has stressed the earthworks activities on 5 fronts whilst culvert construction progressing is much better since their design changed.

## **12. Appendix 1.**

### **Physical Progress of the construction permits up to 31.12.2011**

### 12.1. Condition of approval required for construction permit for subsection Vlakovo - Lepenica up to 31.12.2011

No.	Institutions	Handed	Condition	Previous Policies
1	Federal Ministry of Culture and Sports - Institute for the Protection of Monuments	24.12.2010.	Issued	---
2	Agency for Water Area river Sava (Previous water consent)	14.12.2010.	Issued	Documentation have been made
3	BH Telecom d.o.o.	19.04.2010.	Issued	---
4	Ministry of Physical Planning for Canton Sarajevo and Canton Srednjobosanski	23.02.2010.	Issued	---
5	Municipality Kiseljak (expert opinion - permit)	23.02.2010.	Issued	---
6	Željeznice Federacije BiH d.o.o. (Railway of Federation BiH)	15.04.2010.	Issued	---
7	BH Gas	23.04.2010.	Issued	---
8	Elektrodistribucija Sarajevo	27.04.2010.	Issued	Documentation have been made
9	Elektroprenos Sarajevo	14.04.2010.	Issued	Documentation have been made
10	Ministry of Agriculture for Canton Sarajevo and Canton Srednjobosanski (consent for deforestation - forest consent)	29.03.2011.	Issued	---
11	Ministry of Agriculture for Canton Sarajevo and Canton Srednjobosanski (consent for conversion agricultural land - agricultural agreement)	29.03.2011.	handed	---
12	Vodovod (water supply) Ilidža	12.05.2010.	Issued	---
13	Ministry of Defence	13.04.2010.	Issued	---
14	Ministry of Health Canton Sarajevo and Canton Srednjobosanski (sanitary permit)	29.03.2011.	issued	---
15	Municipality of Ilidža ( expert opinion - consent)	23.02.2010.	Issued	---
16	Elektro Kiseljak	01.12.2010.	issued	---
17	Vodovod (water supply) Kiseljak	06.12.2010.	Issued	---
18	Federal Ministry of Environment and Tourism (environmental permit)	19.02.2010	Issued	---
19	Federal Ministry of Physical Planning	Urban planning approval obtained (January 2012) - construction permit submitted in January 2012		

## 12.2. Condition of approval required for construction permit for subsection Lepenica – Tarčin up to (31.12.2011)

No.	Institutions	Handed	Condition	Previous Policies
1	Federal Ministry of Culture and Sports - Institute for the Protection of Monuments	---	issued	---
2	Agency for Water Area river Sava (Previous water consent)	---	issued	Documentation finished
3	BH Telecom d.o.o.	26.08.2010.	Issued	---
4	Ministry of Physical Planning for Canton Sarajevo and Canton Srednjobosanski	---	issued	---
5	Municipality Kiseljak (expert opinion - permit)	---	Issued	---
6	Željeznice Federacije BiH d.o.o. (Railway of Federation BiH)	---	issued	---
7	BH Gas	07.12.2010.	Issued	---
8	Elektro distribucija Sarajevo	13.08.2010.	Issued	Documentation finished
9	Elektroprenos Sarajevo	19.07.2010.	Issued	Documentation finished
10	Ministry of Agriculture for Canton Sarajevo and Canton Srednjobosanski (consent for deforestation - forest consent)	---	issued	---
11	Ministry of Agriculture for Canton Sarajevo and Canton Srednjobosanski (consent for conversion agricultural land - agricultural agreement)	---	Issued	
12	Vodovod (water supply) Hadžići	08.07.2010.	Issued	---
13	Ministry of Defence	01.12.2010.	Issued	---
14	Ministry of Health Canton Sarajevo and Canton Srednjobosanski (sanitary permit)	---	issued	---
15	Municipality of Hadžići ( expert opinion - consent)	---	issued	---
16	Elektro distribucija Kiseljak	---	issued	---
17	Vodovod (water supply) Kiseljak	06.12.2010.	Issued	---
18	Federal Ministry of Environment and Tourism (environmental permit)	19.02.2010.	Issued	---
19	Federal Ministry of Physical Planning	Urban planning permit has been issued in July 2011, application for construction permit has submitted in January 2012		

### 12.3. Condition of approval required for construction permit for subsection Svilaj – Vukosavlje up to (31.12.2011)

No.	Institutions	Handed	Condition	Previous Policies
1	Federal Ministry of Culture and Sports - Institute for the Protection of Monuments	20.01.2011.	issued	---
2	Agency for Water Area river Sava (Previous water consent)	25.10.2010.	Issued (without bridge)	Documentation finished
3	JP HT Mostar d.d.	---	issued	---
4	Ministry of Physical Planning for Canton Posavski	27.12.2010	Obtained only for 0 +000 to 3 +500 km (the rest up to 10 +700 - area Federation, is not in accordance with the adopted spatial plan)	---
5	Municipality Odžak (expert opinion - permit)	---	Not necessary	---
6	Željeznice Federacije BiH d.o.o. (Railway of Federation BiH)	12.01.2011.	issued	---
7	BH Gas	---	issued	---
8	Elektrodistribucija Odžak	12.01.2011.	issued	---
9	Elektroprenos Tuzla	---	issued	Necessary prepare documentation
10	Ministry of Agriculture for Canton Posavski (consent for deforestation - forest consent)	---	Issued (required payments)	---
11	Ministry of Agriculture for Canton Posavski (consent for conversion agricultural land - agricultural agreement)	---	Issued (required payments)	---
12	Vodovod (water supply) Odžak	---	issued	---
13	Ministry of Defence	---	issued	---
14	Ministry of Health Canton Posavski (sanitary permit)	---	issued	---
15	JP Ceste FBiH (relocation of the main road)	---	issued	---
16	Federal Ministry of Environment and Tourism ( environmental permit)	---	issued	---
17	Federal Ministry of Physical Planning	Applying for urban planning permit by February 2012, and construction permit by June 2012		

**13. Appendix 2.**  
**Physical Progress of the Construction Project**  
**up to 31.12.2011**

### 13.1. Lot 1: Kakanj – Bilješevo

#### 13.1.1. Physical Progress of the Project (Lot 1) (31.12.2011)

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works under construction
1	1.	<b>HIGHWAY ALIGNMENT</b>					
2	1.1.	New Alignment	384	07.06.2010.	24.11.2011.	49,5%	
3	1.2.	Reconstructed alignment	288	10.02.2011.	24.11.2011.	12%	
4	2.	<b>INTERCHANGE LUČANI</b>					
5	2.1.	Construction of toll station „Lučani“	80	22.07.2011.	10.11.2011.	2%	
6	2.2.	Underpassages „Lučani“	80	22.07.2011.	10.11.2011.	5%	
7	3.	<b>DRAINAGE</b>				69%	
8	4.	<b>ENGINEER'S CONSTRUCTIONS AND STRUCTURES</b>					
9	4.1.	Passages		25.05.2010.	24.11.2011.	55%	
10	4.2.	Project of recovery sliding area „Tičići“	310	24.05.2010.	29.07.2011.	92%	
11	5.	<b>BRIDGES</b>					
12	5.1.	Construction of new bridge	394	24.05.2010.	21.06.2011.	82%	
13	5.2.	Reconstruction of existing bridges	245	14.06.2010.	20.05.2011.	22%	

**Table 9a. Physical progress of Lot 1**



No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works under construction
14	6.	<b>REGIONAL ROAD R445</b>					
15	6.1.	Alignment	394	24.05.2010.	21.06.2011.	57%	
16	6.2.	Engineer's constructions and structures	105	02.09.2010.	26.01.2011.	100%	
17	6.3.	Bridges	105	11.06.2010.	04.11.2010.	99%	
18	6.4.	Passage				36%	
19	7.	<b>LOCAL ROADS</b>	100	27.05.2011.	13.10.2011.	32%	
20	8.	<b>TRAFFIC – TECHNICAL EQUIPMENT</b>					
21	8.1.	Traffic – tehcnical equipment for highway				0%	
22	8.2.	Traffic – tehcnical equipment for regional road				21%	
23	8.3.	Traffic – tehcnical equipment for local road				0%	
24	9.	<b>TRAFFIC OPERATION DURING CONSTRUCTION</b>				55%	
25	10.	<b>WORKS ON INSTALATIONS</b>	384	07.06.2010.	24.11.2011.		
26	10.1.	Gas instalations				100%	
27	10.2.	Electro – distributive lines - collisions				80%	
28	10.3.	Electro energy supply				0%	
29	10.4.	Optic cables and TC lines				5%	
30	10.5.	Traffic information system				0%	
31	10.6.	Other works				20%	

**Table 9b. Physical progress of Lot I**

### 13.2 Lot 2: Bilješevo – Gorica (tunnel Vijenac 2964 m)

#### 13.2.1 Physical Progress of the Project (Lot 2) (31.12.2011)

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works under construction
1	1.	EARTH WORKS ON PORTALS AND CUTTINGS		11.09.2010.	15.11.2010.	100%	
2	2.	PROTECTION AND SUPPORT WORKS ON PORTALS		21.09.2010.	25.12.2010.	100%	
3	3.	DRAINAGE WORKS ON PORTALS AND CUTTINGS		30.11.2010.	31.12.2010.		
4	4.	EXCAVATION IN TUNNELS AND CROSSCONNECTION		05.11.2010.	15.12.2012.	13,5%	
5	5.	SUPPORT WORKS IN TUNNELS		20.11.2010.	20.12.2012.	13,5%	
6	6.	SUPPORT WORKS IN CROSS CONNECTIONS		01.01.2011.	20.12.2012.		
7	7.	TUNNELS WATERPROOFING AND DRAINAGE		01.05.2011.	01.01.2012.		
8	8.	DRAINAGE TUNNELS "VIJENAC"		01.07.2011.	01.03.2012.		
9	9.	PORTALS CANOPIES		01.02.2012.	01.08.2012.	100%	
10	10.	CONCRETE WORKS IN TUNNELS AND CROSS CONNECTION		01.10.2011.	01.03.2013.		
11	11.	REINFORCEMENT		01.10.2011.	01.03.2013.		
12	12.	REINFORCED CONCRETE OF CARRIAGEWAY		01.01.2013.	01.07.2013.		
13	13.	GEOTECHNICAL MONITORING		21.09.2010.	01.08.2013.	13%	
14	14.	EARTHING		01.08.2012.	01.12.2012.		
15	15.	HORTICULTURE		01.10.2012.	01.12.2012.		
16	16.	VENTILATION IN TUNNELS		01.05.2012.	01.12.2012.		
17	16.A.	ELECTROMATERIAL AND ELECTROWORKS FOR TUNNEL VENTILATION:		01.02.2013.	01.07.2013.		
18	17.	APPROACH TEMPORARY ROADS		02.08.2010.	01.12.2010.	100%	
19	18.	RADIO SYSTEM TUNNELS "VIJENAC"		01.02.2013.	01.07.2013.		
20	19.	SYSTEM OF SOUNDING		01.02.2013.	01.07.2013.		

**Table 10a. Physical progress of Lot 2**

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works under construction
21	20.	SUMMARY OF EQUIPMENT AND ASSEMBLAGE TV SYSTEM TUNNELS "VIJENAC" (ITEM 20.1+20.2)		01.09.2013.	01.02.2014.		
22	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 TUNNELS "VIJENAC"		01.09.2013.	01.02.2014.		
23	22.	RETAINING WALL Z3, BETWEEN VIJADUCT "GORICA" AND TUNNELS "VIJENAC"		01.05.2011.	01.12.2012.	100%	
24	23.	RETAINING WALLS Z1 AND Z2, BETWEEN VIJADUCT "GORICA" AND TUNNELS "VIJENAC";		01.05.2011.	01.12.2012.	100%	
25	24.	ALIGNMENT OUT OF TUNNELS VIJENAC		01.05.2011.	22.01.2014.		
26	25.	SURFACE SLIDING "GORICA" /DELUVIUM EROSION/		01.05.2011.	01.12.2011.	90%	
27	26.	WATER SUPPLY TUNNELS "VIJENAC"		01.03.2013.	01.07.2013.		
28	27.	DIVERSION OF VILLAGE EXISTING ROAD		01.07.2013.	31.07.2013.		
29	28.	WATER SUPPLY TUNNEL "VIJENAC"		01.03.2013.	01.12.2012.		
30	29.	HYDRANT NETTING IN TUNNELS "VIJENAC"		01.07.2013.	01.12.2013.		
31	30.	INTERNAL TUNNELS DRAINAGE		20.06.2012.	01.07.2013.		
32	31.	ELECTRICAL TUNNELS SUPPLY		01.05.2013.	01.07.2013.		
33	32.	TRANSFORMER STATIONS AND UPS		01.05.2013.	01.07.2013.		
34	33.	DESIGN OF LIGHTING AND LOW VOLTAGE FEEDING DISTRIBUTION CABINET TUNNEL EQUIPMENT		01.05.2013.	01.07.2013.		
35	34.	CABLE TK TRENCHING IN FRONT OF TUNNELS:		01.05.2013.	01.07.2013.		
36	35.	OPTICAL TELECOMMUNICATION CABLES		01.08.2013.	01.02.2014.		
37	36.	TELEPHONE CALLING SYSTEM TPS		01.08.2013.	01.02.2014.		
38	37.	SYSTEM OF FIRE ANNOUNCEMENT		01.08.2013.	01.02.2014.		
39	38.	TRAFFIC SIGNALIZATION AND EQUIPMENT IN TUNNELS "VIJENAC"		01.11.2013.	25.01.2014.		

**Table 10b.** *Physical progress of Lot2.*

### 13.3. Lot 3: Gorica – Drivuša

#### 13.3.1. Physical Progress of the Project (Lot 3) (31.12.2011)

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works under construction
1.	1.	ALIGNMENT WORKS:	622 days	22.11.2010.	20.10.2012.	70,00%	Embankment up to the subgrade, segment ditch, soiling, culvert, Reno mattresses
2.	2.	TOLL STATION DRIVUSA:	583 days	22.11.2010.	01.10.2012.	60,00%	Embankment up to the subgrade
	2.a	TOLL STATION DRIVUSA – OBJECTS	450 days	01.07.2011	01.10.2011.	15,00%	Making columns and plates for toll station
3.	3.	COKP DRIVUŠA:	532 days	07.03.2011.	27.10.2012.	70,00%	Curbs, road base, segment ditch and objects
	3.a	COKP Drivuša – objects	425 days	15.08.2011	15.10.2012	50,00%	Making foundations for all objects on the toll station
4.	4.	OTHER ROADS AND TRAFFIC SURFACES:	583 days	22.11.2011	01.10.2012	100,00%	Embankment up to the subgrade, concreting of the wall (km 3+318)

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works under construction
5.	5.	INTERNAL DRAINAGE:	503 days	15.03.2011	20.10.2012	10,00%	Pipe laying and inspection chambers
	5a	INTERNAL DRAINAGE: (PROPUSTI)	503 days	15.03.2011	20.10.2012	80,00%	Making culvert
6.	6.	ENGINEER'S CONSTRUCTIONS AND STRUCTURES:					
7.	6.1.	SUMMARY BRIDGE M-1	190 days	01.07.2011	10.01.2012	0,00%	
8.	6.2.	SUMMARY BRIDGE M	425 days	01.08.2011	05.09.2012	0,00%	
9.	6.3.	SUMMARY BRIDGE M-2	540 days	04.01.2011	15.09.12	35,00%	Making foundations and pillars for left and right bridge, making reinforced concrete bearers
10.	6.4.	SUMMARY BRIDGE M-3	697 days	10.11.2010	27.10.2012	40,00%	Making foundations and pillars for left and right bridge, making segments of the span construction
11.	6.5.	SUMMARY UNDERBRIDGE "DRIVUŠA"	150 days	01.06.2011	01.11.2012	40,00%	Making buoyant foundation of the underbridge
12.	6.6.	SUMMARY CULVERT "DRIVUŠA"	120 days	15.04.2011	25.07.2011	0,00%	Not started yet
13.	7.	TRAFFIC SIGNALIZATION AND EQUIPMENT:				0,00	
14.	8.	NOISE PROTECTION:				0,00%	
15.	9.	INSTALLATIONS:				5,00%	2 Substations, collection consent, light – not started yet, optic – not started yet, tunnel Vijenac, not started yet
16.							

**Table 11b. Physical progress of Lot3.**

## 12.4. Lot 7: Kravice – Bijača

### 12.4.1. Physical Progress of the Project (Lot 7) (31.12.2011)

No.	ID	Task Name	Duration	Start	Deadline	% of Completion	Type of Works under construction
1	1.	ALIGNMENT WORKS					
2	1.1.	New route		10.10.2011.	30.07.2012.	70%	Embankment to the subsoil, segment ditch, culvert, road base,
3	2.	Loop ZVIRIĆI					
4	2.1.	Tool station „Zvirici“		10.10.2011.	15.06.2012.	10%	Making columns and plates for tool station
5	3.a	COKP ZVIRIĆI: objects		10.10.2011.	15.07.2012.	30%	Making foundations and bearers for COKP.
6	4.	ENGINEERING constructions and objects		10.10.2011.	30.07.2012.		
7	4.1.	Passages		10.10.2011.	30.04.2012.	20%	
8	5.	Bridges		10.10.2011.	30.07.2012.		
9	5.1.	Bridges - construction		10.10.2011.	30.07.2012.	2%	
10	6	Resting area Kravice - construction		10.10.2011.	30.04.2012.	50%	

**Table 12c. Dinamika radova Lot7.**

