

**BOSNIA AND HERZEGOVINA  
FEDERATION OF BOSNIA AND HERZEGOVINA**

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

**PROJECT:  
MOTORWAY ON CORRIDOR Vc IN FEDERATION OF BiH**

**PROGRESS REPORT No. 5  
(up to 30.06.2011.)**

**Mostar, July 2011.**

## Contents:

|  |           |
|--|-----------|
| <b>1. INTRODUCTION</b> .....   | <b>3</b>  |
| 1.1. About us .....  | 3         |
| 1.2. Project description.....  | 4         |
| <b>2. LOAN AGREEMENTS</b> .....  | <b>7</b>  |
| <b>3. PROCUREMENT PLAN</b> .....   | <b>8</b>  |
| <b>4. MAIN DESIGN</b> .....  | <b>11</b> |
| <b>5. LAND ACQUISITION</b> .....   | <b>12</b> |
| <b>6. CONSTRUCTION PERMIT</b> .....  | <b>13</b> |
| <b>7. PREPARATION ACTIVITIES FOR CONSTRUCTION PROJECTS</b> .....   | <b>13</b> |
| <b>8. PROJECT CONSTRUCTION</b> .....   | <b>15</b> |
| <b>9. FINANCIAL POSITION</b> .....   | <b>16</b> |
| 9.1. Payment from EIB loan .....   | 16        |
| 9.2. Payment from EBRD loan .....  | 19        |
| 9.3. Summary .....   | 20        |
| <b>10. ENVIRONMENTAL IMPACT</b> .....  | <b>21</b> |
| <b>12. Appendix 1.</b> .....   | <b>23</b> |
| <b>Physical Progress of the construction permits</b> .....   | <b>23</b> |
| <b>up to 30.06.2011</b> .....  | <b>23</b> |
| 12.1. Condition of approval required for construction permit for subsection Bijača –<br>Zvirovići up to 30.06.2011.....  | 24        |
| 12.2. Condition of approval required for construction permit for subsection Vlakovo -<br>Lepenica up to 30.06.2011.....  | 25        |
| 12.3. Condition of approval required for construction permit for subsection Lepenica –<br>Tarčin up to 30.06.2011 .....  | 26        |
| 12.4. Condition of approval required for construction permit for subsection Svilaj –<br>Vukosavlje up to 30.06.2011..... | 27        |
| <b>13. Appendix 2.</b> .....   | <b>28</b> |
| <b>Physical Progress of the Construction Project</b> .....   | <b>28</b> |
| <b>up to 30.06.2011</b> .....  | <b>28</b> |
| 13.1. Lot 1: Kakanj – Bilješevo .....  | 29        |
| 13.1.1. Physical Progress of the Project (Lot 1) up to 31.03.2011.....   | 29        |
| 13.2 Lot 2: Bilješevo – Gorica (tunnel Vijenac 2964 m).....  | 31        |
| 13.3. Lot 3: Gorica – Drivuša .....  | 33        |
| 13.3. Lot 3: Drivuša - Gorica .....  | 33        |
| 13.3.1. Physical Progress of the Project (Lot 3) up to 30.06.2011 .....  | 33        |

## **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 on 22.12.2010 year, 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 Gazette FBiH" No.88/10).

On 28.12.2010.in the presence of a notary is held a session of the Assembly Public company Motorways in FBiH that has adopted the Statute of Public company Motorways in FBiH. Same day was also held meeting of the Supervisory Board of Public company Motorways in FBiH where authorization was given and adopted Rules of Procedure of Public company Motorways FBiH and Regulations on internal organization affairs Public company Motorways in 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 Bosnia and Herzegovina.

In accordance with provisions of the Law of the roads of the Federation of FBiH, Public company Motorways in FBiH take all equipment, employees and records of the Federal directorate for construction, operation and maintenance motorways ie Public company motorways in FBiH is 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 required priority investment. 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) - Dobož South;
- **Lot 2:** Dobož 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 highway 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, from the side of Government of Federation BiH, marked as high priority sections. These sections are as following:

- **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 roughly 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 trunk road M17 and, in certain sections, the railway Vrpolje to Sarajevo.

Section 2 is located in two cantons (90% in Sarajevski and 10% in Srednjobosanski canton), traversing roughly 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. On this route existing infrastructure will remain as trunk road M17.

Section 3 is entirely located in two cantons (Hercegovačko-Neretvanski and Zapadno-hercegovački) traversing roughly the northern and western part of Municipality Čapljina and Ljubuški. This part of the Corridor Vc according to the plans will be also a part of Adriatic – Ion motorway. It will improve connection between BiH and Croatia on the south and Adriatic sea.

Section 4 is entirely located in one Canton (Posavski) connecting northern part of BiH with Croatia and Corridor X. With this connection it is already continuation of the completed part of the Corridor Vc coming from Hungary and Croatia. The area is mostly flat and beside 660 m long bridge over the river Sava and border crossing there is no important structures on the motorway.

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 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. Loan agreement has been signed in 2009 in amount of 30 million Euro.

## 2. LOAN AGREEMENTS

In a purpose to create stabile financing structure Public company Motorways in Federation of Bosnia and Herzegovina (Federal Directorate for Construction, Management and Maintenance of Motorways) contact international financing institutions for support of these project through loan agreements. First request have been made in May 2007 and up to date two loan agreements were 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 held in July 2011. Signing of this Loan agreement is expected in September 2011.

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 bridge Počitelj by 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 main design 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      | Invitation 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



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      | Financing by | Financing by others | Contract | Contract    | Procurement | Tender            | Contract     | Contract          |
|     |   | Contract Value | EBRD and EIB | Financier           | Amount   | Type        | method      | Invitation mmm/yy | Award 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     | Oct-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       | Jan-15            |
| 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      | Financing by | Financing by others | Contract | Contract    | Procurement | Tender            | Contract     | Contract          |
|      |  | Contract Value | EBRD and EIB | Financier           | Amount   | Type        | method      | Invitation mmm/yy | Award mmm/yy | Completion mmm/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 | Sep-11            | May-12       | May-13            |
| 13   | Odžak-Northern Border with Croatia Construction Supervision    | 58,000         | EIB          |                     |          | Works       | Open        | Sep-11            | May-12       | May-13            |
| 14   | Land Acquisition   | 22,498         |              | FBHMD               |          |             |             |                   |              |                   |
| 15   | VAT (17%)  | 71,923         |              | FBHMD               |          |             |             |                   |              |                   |
|      | <b>TOTALS</b>  | <b>105,011</b> |              | FBHMD,<br>MOCT      |          |             |             |                   |              |                   |
|      | <b>TOTALS</b>  | <b>495,000</b> | EIB, EBRD    |                     |          |             |             |                   |              |                   |

**Table 1c. Procurement plan**

**Legend:** **MOCT** - Ministry of Transport and Communications BH  
**PCMFH(FBHMD)** - Public company Motorways in Federation of Bosnia and Herzegovina

#### 4. MAIN DESIGN

Execution of main design is divided into three parts. The reason for this is that main design was started to be prepared before Public company Motorways in Federation of Bosnia and Herzegovina (Federal Directorate for Construction, Management and Maintenance of Motorways) was fully established and handover all of the works related to the Corridor 5c.

Status of Main design preparation is as following:

| No. | Section  | Client | Status    | Remarks  |
|-----|--|--------|-----------|--|
| 1.  | Vlakovo – Tarčin   | PCMFHB | completed | Revision of main design is ongoing   |
| 2.  | Section Kakanj – Drivuša, subsection Gorica – Drivuša and Bilješevo – Gorica | PCMFHB | completed | Section is under construction  |
| 3.  | Section Kakanj – Drivuša, subsection Kakanj – Bilješevo                      | FDR    | completed | Section is under construction  |
| 4.  | Section Svilaj - Odžak   | MOCT   | completed | Revision of main design is ongoing. <b>Prijektuje se petlja Odžak.</b>                         |
| 5.  | Section Počitelj - Bijača  | MOCT   | completed | Subsection Počitelj – Zvirovići will be redesigned depend of final location of bridge Počitelj |
| 6.  | Section Tarčin – Konjic  | PCMFHB | ongoing   |  |

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

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

## 5. LAND ACQUISITION

Activities on this item started on three sections. Section Kakanj - Drivuša is completed, and sections Vlakovo - Tarcin and Bijača - Počitelj subsection Bijača – Zvirojevići are in progress. The following table 3 shows the activities on land acquisition and progress on it.

| No. | 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 | Total completed activities** (%) |
|-----|-------------------|--------------|---|---------------------------|---|--------------------------------------|----------------------|----------------------------------|
| 1   | Kakanj - Drivuša  | Kakanj       | 17.02.2009                                  | 23.03.2009                | 582   | 442                                  | 433                  | 99% *                            |
|     |                   | Zenica       | 18.05.2009                                  | 27.05.2009                | 276   | 186                                  | 161                  | 99% *                            |
| 2.  | Vlakovo - Tarcin  | Ilidža       | 01.09.2010                                  | 24.09.2010                | 406   | 99                                   | 94                   | 50%                              |
|     |                   | Hadžići      | 11.08.2010                                  | 30.08.2010                | 274   | 97                                   | 91                   | 96%                              |
|     |                   | Kiseljak     | 11.08.2010                                  | 22.09.2010                | 524   | 221                                  | 171                  | 70%                              |
| 3   | Bijača - Počitelj | Čapljina     | 02.09.2010                                  | 03.11.2010.               | 300   | 116                                  | 40                   | 60%                              |
|     |                   | Ljubuški     | 02.09.2010                                  | 26.11.2010.               | 240   | 99                                   | 59                   | 70%                              |

**Table 3.** Physical progress of land acquisition

\* Remaining subjects are in process of agreement

## 6. CONSTRUCTION PERMIT

In accordance with Law of Land planning and land use in Federation of BiH 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 preparation activities for construction projects divided into sections and subsections.

➤ Section Počitelj – Bijača is divided into four Lots:

- **Lot 1** Subsection Bijača – Kravice
  - Urban permit is expected in early July. Expropriation of land is at an end.
  - Opening of financial offers were on 10th May 2011
  - Contract signature and the start of construction is planned in August 2011
  - 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 report is completed in March 2011. It is expected an approval of the EBRD.
  - Urban permit is expected in early July. Expropriation of land is at an end.
  - Opening of financial offers is scheduled in October 2011
  - Beginning of construction is planned in December 2011

- 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 is ongoing. It is planned one contract for both lots. Call for expressions of interest is opened 05. 10. 2010. Selection of consultants which will be sent an invitation to tender is completed on 18. April 2011. Report on the scoring of technical proposals was sent to the EBRD and we are expected approval. Selection of consultants for supervision and contract signing is expected in August 2011.

For Lot 3 Počitelj - Zvirovići and Lot 4 Bridge Počitelj are not started procurement. The reason is that it has not adopted a spatial basis and the route of the highway in this area.

➤ Section Vlakovo – Tarčin is divided into three Lots:

- **Lot 1** Subsection Tarčin – Suhodol
  - Completion of Prequalification report was finished in May 2011. It is expected an approval of the EBRD.
  - Procedures of land acquisition and collecting of an urban and construction permit is ongoing
  - Opening of financial offers are planned to be completed in October 2011
  - Contract signature and the start of construction is planned in December 2011
  - 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 ongoing. Call for expressions of interest will be opened 14. 04. 2011. Selection of consultants which will be sent an invitation to tender will be in July 2011. Submission of offers is planned in November 2011 and the selection of consultants for supervision and contract signing is expected in December 2011.

- **Lot 2** Subsection Lepenica – Suhodol
- **Lot 3** Subsection Vlakovo - Lepenica

For these Lots are in procedure:

- Collecting of urban and construction permit
- Enforcement land acquisition in Municipalities Hadžići, Kiseljak and Ilidža
- Completion of the main design
- Tender procedure is planned to start in August 2011

➤ Section Svilaj – Odžak

Beginning of the expropriation is expected in September 2011

## 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)<sup>1</sup>

- Contract value 62.081.529,52 Euro
- Contractor PRIMORJE d.d. (Slovenia)
- Deadline 36 months
- Start of construction 02.08.2010

➤ **Lot 3** Gorica – Drivuša

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

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

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<sup>1</sup> see under item 11. Miscellaneous

## 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.<br>VAT EUR | Date of<br>payment | VAT BAM           | Date of<br>payment | Total amount<br>EURO |
|---------------|-----------------------------------|-------------------|----------------------------|--------------------|-------------------|--------------------|----------------------|
| 1             | Advance                           | July 2010         | 3.692.593,91               | 27.08.2010.        | 1227754,60        | 05.08.2010.        | 4.320.334,87         |
| 2.            | First<br>Interim<br>Certificate   | September<br>2010 | 1.379.214,88               | 7.10.2010.         | 519339,38         | 22.10.2010         | 1.644.748,88         |
| 3.            | Second<br>Interim<br>Certificate  | October<br>2010   | 999.440,81                 | 08.11.2010.        | 376336,54         | 12.11.2010.        | 1.191.858,64         |
| 4.            | Third Interim<br>Certificate      | November<br>2010  | 1.110.292,38               | 22.12.2010.        | 422051,25         | 22.12.2010.        | 1.326.083,77         |
| 5.            | Fourth<br>Interim<br>Certificate  | February<br>2011  | 920.126,99                 | 10.03.2011.        | 362481,07         | 11.03.2011.        | 1.105.460,62         |
| 6.            | Fifth<br>Interim<br>Certificate   | March<br>2011     | 1.479.946,02               | 19.04.2011.        | 583019,99         | 26.04.2011.        | 1.778.039,41         |
| 7.            | Sixth<br>Interim<br>Certificate   | April<br>2011     | 1.252.330,31               | 20.05.2011.        | 493351,53         | 20.05.2011.        | 1.504.576,94         |
| 8.            | Seventh<br>Interim<br>Certificate | May<br>2011       | 1.261.381,90               | 28.06.2011.        | 496917,38         | 30.06.2011.        | 1.515.451,72         |
| <b>Total:</b> |                                   |                   | <b>12.095.327,20</b>       |                    | <b>4481251,76</b> |                    | <b>14.386.554,85</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<br>exc. VAT EUR | Date of<br>payment | VAT BAM           | Date of payment | Total<br>amount<br>EURO |
|---------------|------------------------------|----------------|----------------------------|--------------------|-------------------|-----------------|-------------------------|
| 1             | First Interim Certificate    | July 2010      | 44.320,04                  | 27.08.2010.        | 14.736,03         | 05.08.2010.     | 51.854,45               |
| 2             | Second Interim Certificate   | August 2010    | 103.623,04                 | 16.09.2010.        | 34.453,74         | 17.09.2010.     | 121.238,96              |
| 3.            | Third Interim Certificate    | September 2010 | 64.940,42                  | 07.10.2010.        | 21.592,11         | 22.10.2010.     | 75.980,29               |
| 4.            | Fourth Interim Certificate   | October 2010   | 63.784,35                  | 25.10.2010.        | 21.207,73         | 27.10.2010.     | 74.627,69               |
| 5.            | Fifth Interim Certificate    | November 2010  | 65.410,12                  | 26.11.2010.        | 21.748,28         | 06.12.2010.     | 76.529,84               |
| 6.            | Sixth Interim Certificate    | December 2010  | 65.270,73                  | 22.12.2010.        | 21.701,93         | 30.12.2010.     | 76.366,75               |
| 7.            | Seventh Interim Certificate  | January 2011   | 66.261,64                  | 17.02.2011.        | 22.031,41         | 10.02.2011.     | 77.526,12               |
| 8.            | Eighth Interim Certificate   | February 2011  | 63.949,51                  | 05.04.2011.        | 21.262,65         | 25.04.2011.     | 74.820,93               |
| 9.            | Ninth Interim Certificate    | March 2011     | 63.619,20                  | 05.04.2011.        | 21.152,81         | 25.04.2011.     | 74.434,46               |
| 10.           | Tenth Interim Certificate    | April 2011     | 63.619,21                  | 20.05.2011.        | 21.152,83         | 11.05.2011.     | 74.434,48               |
| 11.           | Eleventh Interim Certificate | May 2011       | 63.619,20                  | 03.06.2011.        | 21.152,81         | 02.06.2011.     | 74.434,46               |
| 12.           | Twelfth Interim Certificate  | June 2011      | 64.584,36                  | 30.06.2011.        | 21.473,72         | 30.06.2011.     | 75.563,70               |
| <b>Total:</b> |                              |                | <b>793.001,82</b>          |                    | <b>263.666,05</b> |                 | <b>927.812,13</b>       |

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

➤ Lot 3 Gorica – Drivuša (tunnel Vijenac 2964 m)

**Constructor: BH Joint Venture**

| No.           | Description                      | Period          | Net amount<br>exc. VAT EUR | Date of<br>payment | VAT BAM             | Date of<br>payment | Total amount<br>EURO |
|---------------|----------------------------------|-----------------|----------------------------|--------------------|---------------------|--------------------|----------------------|
| 1             | Advance                          | October<br>2010 | 2.051.000,92               | 03.11.2010.        | 681.939,56          | 27.10.2010.        | 2.399.671,08         |
| 2.            | First Interim<br>Certificate     | March<br>2011   | 764.126,36                 | 19.04.2011.        | 287.729,56          | 25.04.2011.        | 911.240,15           |
| 3.            | Second<br>Interim<br>Certificate | April<br>2011   | 1.106.232,09               | 26.05.2011.        | 411.104,65          |                    | 1.316.426,56         |
| <b>Total:</b> |                                  |                 | <b>3.921.359,37</b>        |                    | <b>1.380.773,77</b> |                    | <b>4.627.337,79</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<br>exc. VAT EUR | Date of<br>payment | VAT BAM          | Date of<br>payment | Total amount<br>EURO |
|---------------|-----------------------------------|------------------|----------------------------|--------------------|------------------|--------------------|----------------------|
| 1.            | First Interim<br>Certificate      | November<br>2010 | 38.339,27                  | 22.12.2010.        | 12.747,47        | 30.12.2010.        | 44.856,95            |
| 2.            | Second<br>Interim<br>Certificate  | December<br>2010 | 34.448,08                  | 17.02.2011.        | 11.453,67        | 10.02.2011.        | 40.304,25            |
| 3.            | Third Interim<br>Certificate      | January<br>2011  | 35.433,01                  | 16.03.2011.        | 11.781,16        | 25.04.2011.        | 41.456,62            |
| 4.            | Fourth<br>Interim<br>Certificate  | February<br>2011 | 41.459,91                  | 25.03.2011.        | 13.785,04        | 25.04.2011.        | 48.508,09            |
| 5.            | Fifth<br>Interim<br>Certificate   | March<br>2011    | 47.875,32                  | 20.05.2011.        | 15.918,11        | 20.05.2011.        | 56.014,12            |
| 6.            | Sixth<br>Interim<br>Certificate   | April<br>2011    | 49.044,60                  | 27.05.2011.        | 16.306,89        | 20.05.2011.        | 57.382,18            |
| 7.            | Seventh<br>Interim<br>Certificate | May<br>2011      | 50.102,30                  | 21.06.2011.        | 16.658,57        | 23.06.2011.        | 58.619,69            |
| <b>Total:</b> |                                   |                  | <b>296.702,49</b>          |                    | <b>98.650,91</b> |                    | <b>347.141,90</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<br>exc. VAT EUR | Date of<br>payment | VAT BAM             | Date of<br>payment | Total amount<br>EURO |
|---------------|-------------|--------------|----------------------------|--------------------|---------------------|--------------------|----------------------|
| 1             | Advance     | June<br>2011 | 4.666.910,20               | 23.06.2011.        | 1.764.233,74        | 23.06.2011.        | 5.913.420,08         |
| <b>Total:</b> |             |              | <b>4.666.910,20</b>        |                    | <b>1.764.233,74</b> |                    | <b>5.913.420,08</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<br>exc. VAT EUR | Date of<br>payment | VAT BAM           | Date of<br>payment | Total amount<br>EURO |
|-------------------------------|------------------|----------------------------|--------------------|-------------------|--------------------|----------------------|
| 1. Advance                    | October<br>2010  | 198.370,00                 | 05.11.2010.        | 65.956,26         | 22.10.2010.        | 232.092,90           |
| 2. First Interim Certificate  | October<br>2010  | 50.625,00                  | 13.12.2010.        | 16.832,36         | 12.11.2010.        | 59.231,25            |
| 3. Second Interim Certificate | November<br>2010 | 32.750,00                  | 07.01.2011.        | 10.889,08         | 10.12.2010.        | 38.317,50            |
| 4. Third Interim Certificate  | December<br>2010 | 34.000,00                  | 02.02.2011.        | 11.304,70         | 30.12.2010.        | 39.780,00            |
| 5. Fourth Interim Certificate | February<br>2011 | 54.400,00                  | 24.03.2011.        | 18.087,52         | 04.03.2011.        | 63.648,00            |
| 6. Fifth Interim Certificate  | March<br>2011    | 17.150,00                  | 01.06.2011.        | 5.702,22          | 26.04.2011.        | 20.065,50            |
| <b>Total:</b>                 |                  | <b>387.295,00</b>          |                    | <b>128.772,14</b> |                    | <b>453.135,15</b>    |

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

### 9.3.Summary

|     |       | Loan EIB                         |                          | Remark:             |
|-----|-------|----------------------------------|--------------------------|---------------------|
| No. |       | Withdrawn No.1                   | <b>12.000.000,00</b> (€) | 27.08.2010.         |
|     |       | Withdrawn No.2                   | <b>11.000.000,00</b> (€) | 29.12.2010.         |
|     |       | total:                           | <b>23.000.000,00</b> (€) |                     |
| 1   | LOT 1 | JV VIADUKT d.d. -<br>HERING d.d. | <b>12.095.327,20</b> (€) | Details in Table 4a |
| 2   |       | INOCSA INGENIERIA<br>S.L..       | <b>793.001,82</b> (€)    | Details in Table 4b |
| 3   | LOT 3 | BH Konzorcij                     | <b>3.921.359,37</b> (€)  | Details in Table 6a |
| 4   |       | INOCSA INGENIERIA<br>S.L..       | <b>296.702,49</b> (€)    | Details in Table 6b |
|     |       | <b>The remaining SUM:</b>        | <b>5.893.609,12</b> (€)  |                     |

Table 7. Summary report of EIB loan

|     |       | Loan EBRD                 |                          | Remark:             |
|-----|-------|---------------------------|--------------------------|---------------------|
| No. |       | Total Withdrawn           | <b>59.390.000,00</b> (€) | 08.09.2010.         |
| 1   | LOT 2 | Primorje d.d.             | <b>4.666.910,20</b> (€)  | Details in Table 5a |
| 2   |       | IGH d.d.                  | <b>387.295,00</b> (€)    | Details in Table 5b |
|     |       | <b>The remaining SUM:</b> | <b>54.335.794,80</b> (€) |                     |

Table 8. Summary report of 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 Doboj South (Karuše). Environmental permit for section Mostar North – Southern border, subsection Bijača – Zvirovići was issued in December 2010.

In cooperation with the Federal institutions it was made the previous archaeological research on the section that is now under construction. The preliminary tests were conducted during April - May 2010 years and the costs are covered by Federal Ministry of Culture and Sports and Federal Directorate for Construction, Management and Maintenance of Motorways. It was found 5 potential archaeological sites (between Kakanj and Bilješevo) which are marked and which is not allowed until the building has been fully investigated.

Public company Motorways in Federation of Bosnia and Herzegovina (Federal Directorate for Construction, Management and Maintenance of Motorways) and the Institute for Protection of Monuments of the FBiH coordinated contract archaeological surveys covering the entire Corridor Vc with priority given to the top 5 sections that will be built in the next 4 years.

On the proposal of the Federal Ministry of Transport and Communications, Government of the Federation of Bosnia and Herzegovina, on the 158th session held on 02. December 2010, issued Decision on approval of contract contents and the signing of agreement on preventive archaeological research and protection archaeological sites and monuments culture on the roads corridor Vc motorway.

On 17.12.2010, it was signed the Contract of preventive archaeological research and protection of archaeological sites along the route of the motorways on Corridor 5c.

## **11. MISCELLANEOUS**

As the contractor, as a contracting party, is not complied with the given deadlines and activities, and he also became insolvent, the Employer decided that, in accordance with reason for contract termination given to members of the Contract, use its contractual right to terminate the contract of FEDA-71-B10-09 of 23.06.2010, with date the notice of Contract termination on the 01.02.2011.

After Notice of termination by the Employer, on 02.02.2011 it is requested of the Contractor, SCT dd Ljubljana, to make an advance payment that is not repaid prior to termination of contract in amount of € 4,666,910.20. Considering that this is not done, on 14.02.2011, the Employer sent a request to a bank NLB dd Ljubljana, in order to activate the guarantee advance in amount of € 4,666,910.20. Advance guarantee is charged on 28.02.2011 year.

On 28.6.2011 it was made a guarantee payment for the non-contractual obligations SCT-a at the tunnel Vijenac in the amount of 5.46 million.

On 27.04.2011 was signed the Contract JPAC-201-B24-11 to continue construction of the tunnel Vijenac between Public company of motorways in Federation Bosnia Herzegovina and Primorje dd Ajdovščina. Primorje d.d. will build a tunnel with the BH. Consortium, what's the difference compared to the previously signed, and then terminate contract with SCT. Total contract value is 62,081,529.52 EUR and the value of work for BH. Consortium is 28 million EUR. The deadline for completion was shorted from the original 36 to 33 months.

**12. Appendix 1.**  
**Physical Progress of the construction permits**  
**up to 30.06.2011**

**12.1. Condition of approval required for construction permit for subsection  
Bijača – Zvirovići up to 30.06.2011**

| No. | Institutions   | Handed  | Condition | Previous Policies               |
|-----|--|---|-----------|---------------------------------|
| 1   | Federal Ministry of Culture and Sports - Institute for the Protection of Monuments                           | 01.12.2010.   | issued    | ---                             |
| 2   | Agency for Water Area river Neretva (Previous water consent)   | 18.03.2009.   | Issued    | Necessary construction permit   |
| 3   | HT Mostar d.o.o.   | 23.02.2010.   | Issued    |                                 |
| 4   | Federal Ministry of Physical Planning HNK, ZHK.  | 20.12.2010.   | Issued    | ---                             |
| 5   | Municipality Čapljina (expert opinion - permit)  | 23.02.2010.   | Issued    | ---                             |
| 6   | Željeznice Federacije BiH d.o.o. (Railway of Federation BiH)   | 18.03.2010.   | Issued    | ---                             |
| 7   | BH Gas   | 18.03.2010.   | Issued    | ---                             |
| 8   | Elektrodistribucija Mostar   | 23.02.2010.   | Issued    | Necessary construction permit   |
| 9   | Elektroprenos Sarajevo - OP Mostar   | 18.03.2010.   | Issued    | Necessary prepare documentation |
| 10  | Federal Ministry of Agriculture HNK, ZHK (consent for deforestation - forest consent)                        | 20.12.2010.   | Issued    | ---                             |
| 11  | Federal Ministry of Agriculture HNK, ZHK (consent for conversion agricultural land - agricultural agreement) | 20.12.2010.   | Issued    | ---                             |
| 12  | Vodovod (water supply) Čapljina  | 18.3.2010   | Issued    | ---                             |
| 13  | Ministry of Defence  | 18.3.2010   | Issued    | ---                             |
| 14  | Ministry of Health HNK, ZHK (sanitary permit)  | 18.3.2010   | Issued    | ---                             |
| 15  | Municipality of Ljubuški (expert opinion-consent)  | 23.2.2010   | Issued    | ---                             |
| 16  | Elektro Ljubuški   | 18.3.2010   | Issued    | ---                             |
| 17  | Vodovod (water supply) Ljubuški  | 18.3.2010   | Issued    | ---                             |
| 18  | Federal Ministry of Environment and Tourism (environmental permit)   | 18.3.2010   | Issued    | ---                             |
| 19  | Federal Ministry of Physical Planning  | Submitted for the approval of urban planning. Expected to be completed by early July 2011th |           |                                 |



## 12.2. Condition of approval required for construction permit for subsection Vlakovo - Lepenica up to 30.06.2011

| 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  | Necessary construction permit.   |
| 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  | Necessary construction permit.   |
| 9   | Elektroprenos Sarajevo   | 14.04.2010.                                   | Issued  | Necessary prepare documentation. |
| 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 for Canton Sarajevo<br>handed for Canton Srednjobosanski | ---                              |
| 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)   | 19.02.2009.                                   | Issued  | ---                              |
| 19  | Federal Ministry of Physical Planning  | Submitted for the approval of urban planning. |   |                                  |

### 12.3. Condition of approval required for construction permit for subsection Lepenica – Tarčin up to 30.06.2011

| 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  | Necessary construction permit.   |
| 3   | BH Telecom d.o.o.  | 26.08.2010.  | Issued  | ---                              |
| 4   | Ministry of Physical Planning for Canton Sarajevo and Canton Srednjobosanski   | ---  | ---   | ---                              |
| 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   | Elektrodistribucija Sarajevo   | 13.08.2010.  | Issued  | Necessary construction permit.   |
| 9   | Elektroprenos Sarajevo   | 19.07.2010.  | Issued  | Necessary prepare documentation. |
| 10  | Ministry of Agriculture for Canton Sarajevo and Canton Srednjobosanski (consent for deforestation - forest consent)                        | ---  | issued for Canton Sarajevo<br>handed for Canton Srednjobosanski | ---                              |
| 11  | Ministry of Agriculture for Canton Sarajevo and Canton Srednjobosanski (consent for conversion agricultural land - agricultural agreement) | ---  | handed  |                                  |
| 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 for Canton Sarajevo<br>handed for Canton Srednjobosanski | ---                              |
| 15  | Municipality of Hadžići ( expert opinion - consent)  | ---  | issued  | ---                              |
| 16  | Elektrodistribucija 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  | It should be collect all necesary approvals, 2 copies of elaborates and expropriation elaborate and submit to office of physical planning for an urban permit. |   |                                  |

#### 12.4. Condition of approval required for construction permit for subsection Svilaj – Vukosavlje up to 30.06.2011

| 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)   | Necessary construction permit. |
| 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 basis) | ---                            |
| 5   | Municipality Odžak (expert opinion - permit)  | ---  | ---   | ---                            |
| 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  | ---                            |
| 10  | Ministry of Agriculture for Canton Posavski (consent for deforestation - forest consent)                        | ---  | ---   | ---                            |
| 11  | Ministry of Agriculture for Canton Posavski (consent for conversion agricultural land - agricultural agreement) | ---  | ---   | ---                            |
| 12  | Vodovod (water supply) Odžak  | ---  | issued  | ---                            |
| 13  | Ministry of Defence   | ---  | issued  | ---                            |
| 14  | Ministry of Health Canton Posavski (sanitary permit)  | ---  | ---   | ---                            |
| 15  | JP Ceste FBiH (relocation of the main road)   | ---  | ---   | ---                            |
| 16  | Federal Ministry of Environment and Tourism ( environmental permit)   | ---  | issued  | ---                            |
| 17  | Federal Ministry of Physical Planning   | Should collect all of the above agreement, 2 copies of elaborates and expropriation elaborate and submit to Federal Ministry of Physical Planning for approval |   |                                |

**13. Appendix 2.**  
**Physical Progress of the Construction Project**  
**up to 30.06.2011**

### 13.1. Lot 1: Kakanj – Bilješevo

#### 13.1.1. Physical Progress of the Project (Lot 1) up to 31.03.2011

| No. | ID        | Task Name                                      | Duration | Start       | Deadline    | % of Completion | Type of Works under construction |
|-----|-----------|--|----------|-------------|-------------|-----------------|----------------------------------|
| 1   | <b>1.</b> | <b>HIGHWAY ALIGNMENT</b>                       |          |             |             |                 |                                  |
| 2   | 1.1.      | New Alignment                                  | 384      | 07.06.2010. | 24.11.2011. | 23%             |                                  |
| 3   | 1.2.      | Reconstructed alignment                        | 288      | 10.02.2011. | 24.11.2011. | 12%             |                                  |
| 4   | <b>2.</b> | <b>INTERCHANGE LUČANI</b>                      |          |             |             |                 |                                  |
| 5   | 2.1.      | Construction of toll station „Lučani“          | 80       | 22.07.2011. | 10.11.2011. | 0%              |                                  |
| 6   | 2.2.      | Underpassages „Lučani“                         | 80       | 22.07.2011. | 10.11.2011. | 0%              |                                  |
| 7   | <b>3.</b> | <b>DRAINAGE</b>                                |          |             |             | 36,50%          |                                  |
| 8   | <b>4.</b> | <b>ENGINEER`S CONSTRUCTIONS AND STRUCTURES</b> |          |             |             |                 |                                  |
| 9   | 4.1.      | Passages                                       |          | 25.05.2010. | 24.11.2011. | 46%             |                                  |
| 10  | 4.2.      | Project of recovery sliding area „Tičići“      | 310      | 24.05.2010. | 29.07.2011. | 75%             |                                  |
| 11  | <b>5.</b> | <b>BRIDGES</b>                                 |          |             |             |                 |                                  |
| 12  | 5.1.      | Construction of new bridge                     | 394      | 24.05.2010. | 21.06.2011. | 23%             |                                  |
| 13  | 5.2.      | Reconstruction of existing bridges             | 245      | 14.06.2010. | 20.05.2011. | 17%             |                                  |

Table 9a. Physical progress of Lot 1

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

| No. | ID         | Task Name                                       | Duration | Start       | Deadline    | % of Completion | Type of Works under construction |
|-----|------------|---|----------|-------------|-------------|-----------------|----------------------------------|
| 14  | <b>6.</b>  | <b>REGIONAL ROAD R445</b>                       |          |             |             |                 |                                  |
| 15  | 6.1.       | Alignment                                       | 394      | 24.05.2010. | 21.06.2011. | 40%             |                                  |
| 16  | 6.2.       | Engineer`s constructions and structures         | 105      | 02.09.2010. | 26.01.2011. | 37,50%          |                                  |
| 17  | 6.3.       | Bridges   | 105      | 11.06.2010. | 04.11.2010. | 63%             |                                  |
| 18  | 6.4.       | Passage   |          |             |             | 36%             |                                  |
| 19  | <b>7.</b>  | <b>LOCAL ROADS</b>                              | 100      | 27.05.2011. | 13.10.2011. | 15%             |                                  |
| 20  | <b>8.</b>  | <b>TRAFFIC – TECHNICAL EQUIPMENT</b>            |          |             |             |                 |                                  |
| 21  | 8.1.       | Traffic – tehcnical equipment for highway       |          |             |             | 0%              |                                  |
| 22  | 8.2.       | Traffic – tehcnical equipment for regional road |          |             |             | 0%              |                                  |
| 23  | 8.3.       | Traffic – tehcnical equipment for local road    |          |             |             | 0%              |                                  |
| 24  | <b>9.</b>  | <b>TRAFFIC OPERATION DURING CONSTRUCTION</b>    |          |             |             | 31%             |                                  |
| 25  | <b>10.</b> | <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       |          |             |             | 76%             |                                  |
| 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.      | Sandry works                                    |          |             |             | 10%             |                                  |

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

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

#### 13.2.1 Physical Progress of the Project (Lot 2) up to 31.03.2011

| 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. | 60%             |                                  |
| 2   | 2.    | PROTECTION AND SUPPORT WORKS ON PORTALS                  |          | 21.09.2010. | 25.12.2010. | 52%             |                                  |
| 3   | 3.    | DRAINAGE WORKS ON PORTALS AND CUTTINGS                   |          | 30.11.2010. | 31.12.2010. |                 |                                  |
| 4   | 4.    | EXCAVATION IN TUNNELS AND CROSSCONNECTION                |          | 05.11.2010. | 05.10.2011. |                 |                                  |
| 5   | 5.    | SUPPORT WORKS IN TUNNELS                                 |          | 20.11.2010. | 20.12.2012. |                 |                                  |
| 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. |                 |                                  |
| 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.   | GEOTEHNICAL MONITORING                                   |          | 21.09.2010. | 01.08.2013. | 5%              |                                  |
| 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.   | APROACH 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

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

| 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)   |          | 01.02.2013. | 01.07.2013. |                 |                                  |
| 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" |          | 01.02.2013. | 01.07.2013. |                 |                                  |
| 23  | 22. | RETAINING WALL Z3, BETWEEN VIJADUCT "GORICA" AND TUNNELS "VIJENAC"   |          | 01.05.2011. | 01.12.2012. |                 |                                  |
| 24  | 23. | RETAINING WALLS Z1 AND Z2, BETWEEN VIJADUCT "GORICA" AND TUNNELS "VIJENAC":  |          | 01.05.2011. | 01.12.2012. | 60%             |                                  |
| 25  | 24. | ALIGNMENT OUT OF TUNNELS VIJENAC   |          | 01.05.2011. | 01.12.2011. |                 |                                  |
| 26  | 25. | SURFACE SLIDING "GORICA" /DELUVIUM EROSION/  |          | 01.05.2011. | 01.12.2011. |                 |                                  |
| 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"  |          | 01.05.2012. | 01.12.2012. |                 |                                  |
| 30  | 29. | HYDRANT NETTING IN TUNNELS "VIJENAC"   |          | 01.05.2012. | 01.12.2012. |                 |                                  |
| 31  | 30. | INTERNAL TUNNELS DRAINAGE  |          | 01.03.2013. | 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   |          | 01.02.2012. | 01.06.2014. |                 |                                  |
| 37  | 36. | TELEPHONE CALLING SYSTEM TPS   |          | 01.02.2012. | 01.06.2013. |                 |                                  |
| 38  | 37. | SYSTEM OF FIRE ANNOUNCEMENT  |          | 01.02.2012. | 01.06.2013. |                 |                                  |
| 39  | 38. | TRAFFIC SIGNALIZATION AND EQUIPMENT IN TUNNELS "VIJENAC"   |          | 01.06.2013. | 31.07.2013. |                 |                                  |

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



### 13.3. Lot 3: Gorica – Drivuša

#### 13.3.1. Physical Progress of the Project (Lot 3) up to 31.03.2011

| No. | ID   | Task Name                                       | Duration | Start       | Deadline    | % of Completion | Type of Works under construction   |
|-----|------|---|----------|-------------|-------------|-----------------|--|
| 1.  | 1.   | <b>ALIGNMENT WORKS:</b>                         | 622 days | 27.10.2010. | 20.10.2012. | 48,00%          | cutting bushes and trees, removing top soil, sub-soil exchange, embankment |
| 2.  | 2.   | <b>TOLL STATION DRIVUŠA:</b>                    | 583 days | 22.11.2010. | 01.10.2012. | 15,00%          | cutting bushes and trees, removing top soil, sub-soil exchange, embankment |
| 3.  | 3.   | <b>COKP DRIVUŠA:</b>                            | 532 days | 07.03.2011. | 27.10.2012. | 75,00%          | cutting bushes and trees, removing top soil, sub-soil exchange, embankment |
| 4.  | 4.   | <b>OTHER ROADS AND TRAFFIC SURFACES:</b>        |          |             |             | 5,00%           |  |
| 5.  | 5.   | <b>INTERNAL DRAINAGE:</b>                       | 503 days | 15.03.2011  | 20.10.2012  | 1,00%           | Culvert pipes 2000mm delivered on the site                                 |
| 6.  | 6.   | <b>ENGINEER'S CONSTRUCTIONS AND STRUCTURES:</b> |          |             |             |                 |  |
| 7.  | 6.1. | SUMMARY BRIDGE M-1                              | 298 days | 27.10.10    | 02.02.12    | 0,00%           | Not started yet  |
| 8.  | 6.2. | SUMMARY BRIDGE M                                | 60 days  | 17.08.12    | 25.10.12    | 0,00%           |  |
| 9.  | 6.3. | SUMMARY BRIDGE M-2                              | 486 days | 04.01.2011  | 15.09.12    | 10,00%          | Concreting pier number 4-left bridge                                       |

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

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

| No. | ID   | Task Name                                   | Duration | Start      | Deadline   | % of Completion | Type of Works under construction   |
|-----|------|---|----------|------------|------------|-----------------|--|
| 10. | 6.4. | SUMMARY BRIDGE M-3                          | 660 days | 27.12.2010 | 27.10.2012 | 10,00%          | Concreting piers number 1, 4 and 5 - right bridge; Spustanje plasta bunareva broj 6 and 7; Concreting piles on abutment number 1-left bridge |
| 11. | 6.5. | SUMMARY UNDERBRIDGE "DRIVUŠA"               | 660 days | 10.11.10   | 27.10.12   | 25,00%          | Not started yet  |
| 12. | 6.6. | SUMMARY CULVERT "DRIVUŠA"                   | 91 days  | 15.12.10   | 30.03.11   | 0,00%           | Not started yet  |
| 13. | 6.7. | RETAINING WALL at km 3+800 – 3+920          | 74 days  | 15.04.2011 | 27.07.2011 | 0,00%           |  |
| 14. | 7.   | <b>TRAFFIC SIGNALIZATION AND EQUIPMENT:</b> |          |            |            | 35,00%          | It is not presented in Contractor's time-table   |
| 15. | 8.   | <b>PROTECTION FROM NOISE:</b>               |          |            |            | 0,00%           | It is not presented in Contractor's time-table   |
| 16. | 9.   | <b>INSTALLATIONS:</b>                       |          |            |            | 0,00%           |  |

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

