

## Rehabilitation of Caucasian Highways Azerbaijan Monthly Progress Technical Report

*Segment 2 for Project Component II: Construction Supervision of Ganja  
to Gazakh - Highway Lot №1 Contract CW2002-1 and Lot №2 Contracts  
CW2003-1 to CW2003-4*

Monthly Progress Report

January 2005 – MPR 18/2005/AZ



This project is funded by  
The European Union



A project implemented by  
Louis Berger SA Paris France

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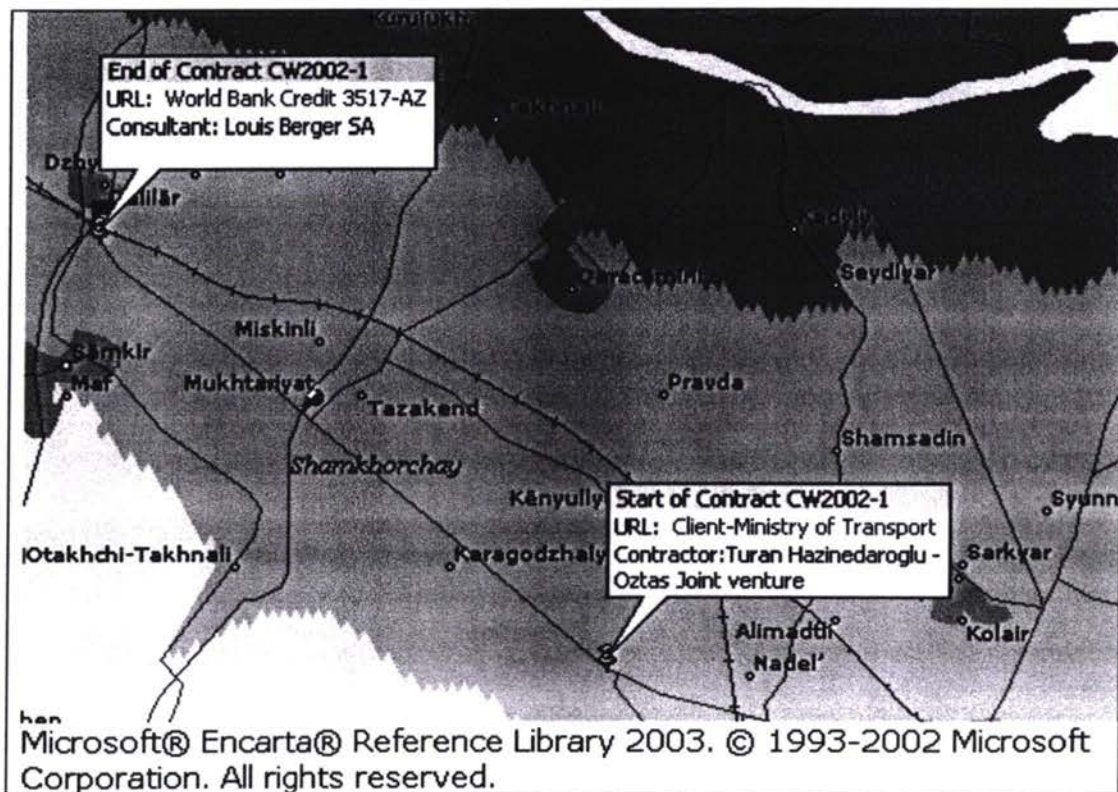
<b>EC Service Contractor's</b>	.....	.....	.....
<b>EC Delegation</b>	.....	.....	.....
<b>TACIS Bureau (Task Manager)</b>	.....	.....	.....
	<b>Name</b>	<b>Signature</b>	<b>Date</b>

# Rehabilitation of Caucasian Highways Azerbaijan Monthly Technical report

Segment 2 for Project Component II:

Construction Supervision of Ganja to Shemkir - Highway

Contract CW2002-1



**I. Segment 2 for Project Component II: Construction Supervision of Ganja to Gazakh - Highway - Lot 1, Contract CW2002-1**

**1.1. Report Cover page**

**Table 1**

<b>Project Title</b>	<b>Construction Supervision of Ganja to Shemkir - Highway - Lot 1 Contract CW2002-1</b>	
<b>Service Contract</b>	EUROPEAID/113179/C/SV/MULTI	
<b>Country</b>	Azerbaijan	
	<b>Local Recipient - Partner</b>	<b>EC Service Contractor</b>
<b>Name</b>	Azerbaijan Republic Ministry of Transport	Louis Berger SA
<b>Address</b>	The Head of Road Transport Service Department Prospect Tbilisi 1054 The Ministry of Transport	Mercure III 55 Bis Quai de Grenelle 75015 Paris France
<b>Tel No</b>	+99 412 4930192	+ 33 1 45 78 39 32
<b>Fax No</b>	+99 412 4315655	+ 33 1 45 77 74 69
<b>Contact Person</b>	Mr. Javid G. Gurbanov	Mr. F. Signor
<b>E-mail</b>		fsignor@louisberger.com
		Project Team Leader
		Baku, Azerbaijan
		+994 12 498 84 31
		+994 12 493 24 76
		R. Degheim

**1.2. Project Synopsis**

**Table 2**

<b>Project Objectives</b>	<ul style="list-style-type: none"> <li>To support the Republic of Azerbaijan to catch up with their serious backlog maintenance, and to cope with growing Local, and International Transport.</li> <li>To improve and provide a better level of service for the travelling public on route corridors,</li> <li>To reduce costs in road transportation,</li> <li>To arrest deterioration of pavements (<i>road surfaces</i>) by timely intervention,</li> <li>To reduce costs for road rehabilitation and maintenance.</li> <li>The specific objective of this component of the Project is the supervision of the Works between Ganja and Shemkir. This forms part of the ancient "Silk Road"</li> <li>To ensure that the new road rehabilitation and reconstruction is completed to the internationally specified standards and to be completed within the budget and time Available.</li> <li>To strengthen the national road construction and maintenance capabilities through Transfer of technology.</li> </ul>
<b>Outputs</b>	<ul style="list-style-type: none"> <li>Good Roads completed to best standards and at the budget price.</li> </ul>
<b>Project activities</b>	<ul style="list-style-type: none"> <li>To rehabilitate and upgrade the existing highway Ganja to Shemkir Lot 1, Contract CW2002-1</li> </ul>
<b>Start date</b>	<ul style="list-style-type: none"> <li>Contract signature March 24<sup>th</sup>2003</li> </ul>
<b>Start activities</b>	<ul style="list-style-type: none"> <li>April 21<sup>st</sup>2003</li> </ul>
<b>Duration</b>	<ul style="list-style-type: none"> <li>458 days + 1<sup>st</sup> EoT 3 months + 2<sup>nd</sup> EoT 42 days + 3<sup>rd</sup> EoT 21 days</li> </ul>

**1.3. Monthly Progress Report**

**1.3.1. General**

This section of the Project covers the supervision of the Rehabilitation and Upgrading of the Ganja-Shemkir section of the Azerbaijan Highway Project Contract CW 2002-1. The project is organised in the standard International format using the General Conditions of Contract as issued by the World Bank for projects under \$10,000,000. The works were designed in coordination with Azeravtoyol by a consortium composed of Kocks Consult GMBH (Germany) BCEOM (France) and Finnroad Ltd (Finland). The supervision of the Works Contract forms part of the Rehabilitation of Caucasian Highways Azerbaijan Georgia and Armenia Contract Number

EUROPEAID/113179/C/SV/MULTI and is carried out by Louis Berger SAS of Paris France. The project is funded by means of a credit from the International Development Association (IDA), or the World Bank. A Project Implementation Unit attached to RoadTransService controls the project on behalf of the Employer. A list of the Key Personal is presented below.

**Table 3**

<b>Funding Agent</b>	International Development Association The World Bank 1818 H Street, NW Washington, DC 20433, USA
Mr. Oliver Le Ber	Lead Transport Specialist Infrastructure Sector Unit Europe and Central Asia Region
<b>Employer</b>	Azerbaijan Republic Ministry of Transport "Yolnegliyatservis" address: Prospect Tbilisi 10/54 The Ministry of Transport Tel: 99412 4930192 Fax: 99412 4315655
Mr. Cavid Gurbanov Gamber	Chief of the Department
<b>Project Implementation Unit</b>	72/4 Uzeyir Hajibeyov Street 370010 Baku
Mr A. Gojayev	Director
<b>EUROPEAID EC Brussels</b>	
Mr. E. Dalamangas	Project Manager
<b>Service Supervision Contractor</b>	
Louis Berger SAS	Murcure III, 55Bis Quai de Grenelle Paris 75015
R. Degheim	Team Leader / Project Manager
S. I. Dotchev	Project Manager's Representative, Resident Engineer
<b>Contractor</b>	Turan Hazinedaroglu Joint Venture
T. Uslu	Project Manager

**1.3.2. Project Data**

**Table 4**

<b>Works Contract CW 2002-1</b>	
Works Tender Opened	14 <sup>th</sup> May 2002
Contract Awarded	30 <sup>th</sup> December 2002 by IDA
Letter of Acceptance Issued	24 <sup>th</sup> March 2003
Contract Agreement Signed	April 9 <sup>th</sup> 2003
Tender Amount	28,749,462,180.50 AZM
Contract Amount Article 15.3	29,903,403,179.00 AZM
Revised Contract amount-Art. 15.3	30,314,138,171,55 AZM
Contract Start Date	21 <sup>st</sup> April 2003
Original Contract Completion Date	21 <sup>st</sup> July 2004
Extended Completion Date	24 <sup>th</sup> December 2004 (requested from RTSD but not finalised yet)
Defects Liability Period	365 days
1 <sup>st</sup> Works Programme received	18 <sup>th</sup> April 2003
Last revision of Works Programme	14 <sup>th</sup> December 2004
Value of Works to date as per IPCs	31,883,829,660.00 AZM
Value of Works to date	33,311,612,775.68 AZM
Value of Works to date (%)	99.10%
Variations	VO №1,2, 3, 4, 5, 6, 7 <sup>th</sup> been issued
Advance Payment Received – 20%	5,980,680,936.00 AZM
Repayments made	5,980,680,936.00 AZM
Claims	Claim entered - Adjust Contract price - Clause 45 Taxes – Contractor's letter 157 dated July 30 <sup>th</sup> 2004
Time elapsed to date	614 days (December 24 <sup>th</sup> 2004)
Time remaining to date	No time left



### **1.3.3. Progress report**

The Works have been complete.

### **1.3.4. Claims and Variations Orders**

#### **1.3.4.1. Intention of Claims**

##### **1.3.4.1.1. IPC late payments**

The Contractor has recorded - intention to claim extra cost (see Contractor's letter 97 dated April 8<sup>th</sup>2004) under - Clause 43.1 Section IV. Conditions of Contract for late payments on IPCs, however the claim has not been forwarded yet.

##### **1.3.4.1.2. Claims**

###### **1.3.4.1.2.1. Change in legislation (Vat – Clause 45 Taxes)**

The Contractor entered new claim – Claim change in Legislation; VAT - Clause 45 Taxes – Contractor's letter 157 dated July 30<sup>th</sup>2004. Claim has been forwarded to RTSD on 2<sup>nd</sup> August 2004 (Consultant letter P228).

###### **1.3.4.1.2.2. Extension of time**

The Contractor's claim been resolved and extension of 21 days been granted. Final completion date is set for December 24<sup>th</sup>2004.

#### **1.3.4.2. Variation Orders**

##### **1.3.4.2.1. Variation order №1 – Extension of time**

The Contractors claim №1 for extension of time have been resolved and new completion date have been fixed as 21<sup>st</sup> October 2004 (VO №1).

##### **1.3.4.2.2. Variation order №2 – Modifying the end of the Project for an amount of (-147,862,280.86AZM)**

The end of the Project has been modified by reducing 60m' in order to have existing ring crossing road in one Contract (Contract 2003-1). The end of Contract CW2002-1 is now at km 20+680 instead of km 20+740. The Variation Order №2 has been issued to the Contractor on 26<sup>th</sup> July 2004.

##### **1.3.4.2.3. Variation order №3 – Bridge 30 revised redesign for amount of (-68,649,238.00)**

The VO3 is finalised.

This VO's has been issued due to the substitution of monolith reinforcement slab with No8 RC girder. The value VO3 is –68,649,238 AZM.

##### **1.3.4.4. Variation order №4 (Single Seal on Shoulders) for amount of (+386,979,600.00)**

The Contractor has proposed to carry out Single Seal on Shoulders. His proposal has been studied by the Consultant and approved by the Employer.

The VO4 has been issued.

The value of this VO is +386,979,600 AZM.

##### **1.3.4.5. Variation order №5 (Rain Water Collectors on High Fills) for amount of (+224,417,080.00)**

The Contractor has proposed to carry out rain water gutters on high fills. His proposal has been approved by the Employer and the Contractor has been instructed accordingly. The VO has been issued, and signed by the concerned parties.

The value of this VO is +224,417,080 AZM.



#### 1.3.4.6. Variation order №6 – Extension of time with no extra cost

An Extension of Time of 42 days has been granted to the Contractor. This EoT is related to increase of quantities, unsuitable soils, single seal on shoulders, storm water drainage on high fills, bad weather conditions and other elements. The VO has been issued and signed by the concerned parties. No additional cost to the Project caused by this VO.

#### 1.3.4.7. Variation order № 7 – Revised B&Q for amount of (+3,172,658,249.89)

The Variation order has been finalised and issued.

#### 1.3.4.8. Variation order № 8 – Extension of time with no extra cost

The extension of time have been resolve and last completion date at December 24<sup>th</sup>2004

#### 1.3.4.8. Summary for Variation orders

Table 7

Variation Order Number	Description	Value AZM
VO No 1	Extension of Time	0.00
VO No 2	Modifying the end of the Project	-147,862,280.86
VO No 3	Bridge No 30 at km 2+555	-68,649,238.00
VO No 4	Single seal on shoulders	386,979,600.00
VO No 5	Rain water collector on high fills	224,417,080.00
VO No 6	Extension of Time	0.00
VO No 7	Revised BoQ	3,172,658,249.89
VO № 8	Extension of time	0.00

#### 1.3.5. Financial

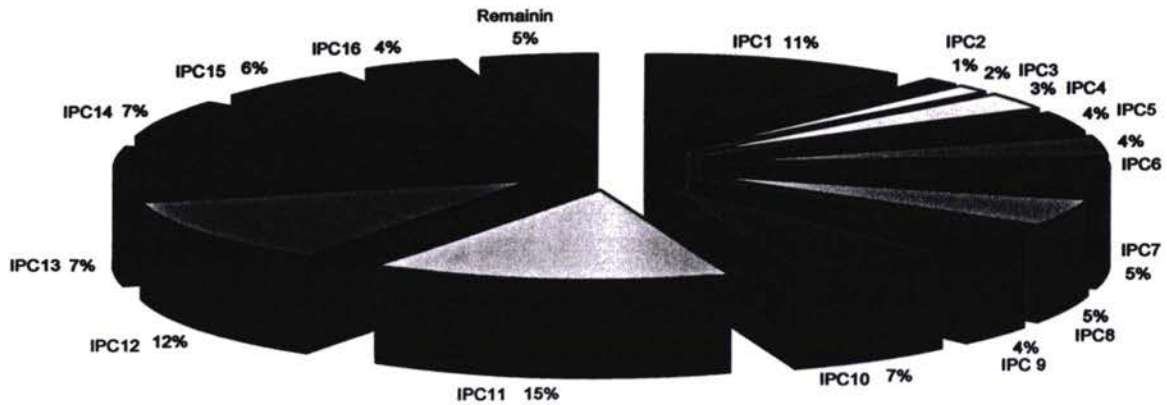
##### 1.3.5.1. Interim Payment Certificates to date

Table 8

Item	Date	IPC	Value AZM	%	Status
1	30/05/03	IPC 1	3,277,448,972.89	9.75%	paid
2	04/07/03	IPC 2	417,198,206.00	1.24%	paid
3	17/08/03	IPC 3	467,687,830.00	1.39%	paid
4	10/09/03	IPC 4	900,048,107.00	2.68%	paid
5	30/11/03	IPC 5	1,110,117,798.00	3.30%	paid
6	31/01/04	IPC 6	1,072,592,505.00	3.19%	paid
7	29/02/04	IPC 7	1,623,995,889.00	4.83%	paid
8	31/03/04	IPC 8	1,552,060,284.00	4.62%	paid
9	30/04/04	IPC 9	1,092,735,343.00	3.25%	paid
10	31/05/04	IPC10	2,132,600,087.00	6.34%	paid
11	30/06/04	IPC11	4,478,712,465.00	13.32%	paid
12	31/08/04	IPC12	3,614,162,119.00	10.75%	paid
13	30/09/04	IPC13	2,252,850,601.00	6.70%	paid
14	31/30/04	IPC14	2,023,816,668.00	6.02%	paid
15	10/12/04	IPC15	1,773,437,845.00	5.28%	not yet
16	15/01/05	IPC16	1,229,491,887.00	3.66%	not yet
		Due to contractor	29,018,956,606.89	86.33%	Not fully
		Retention	3,179,705,522.00	9.46%	
		Total for IPC	32,198,662,128.89	95.79%	
		Available		4.21%	Remained
		Revised Contract price	33,614,140,036.76	100.00%	

Figure 3

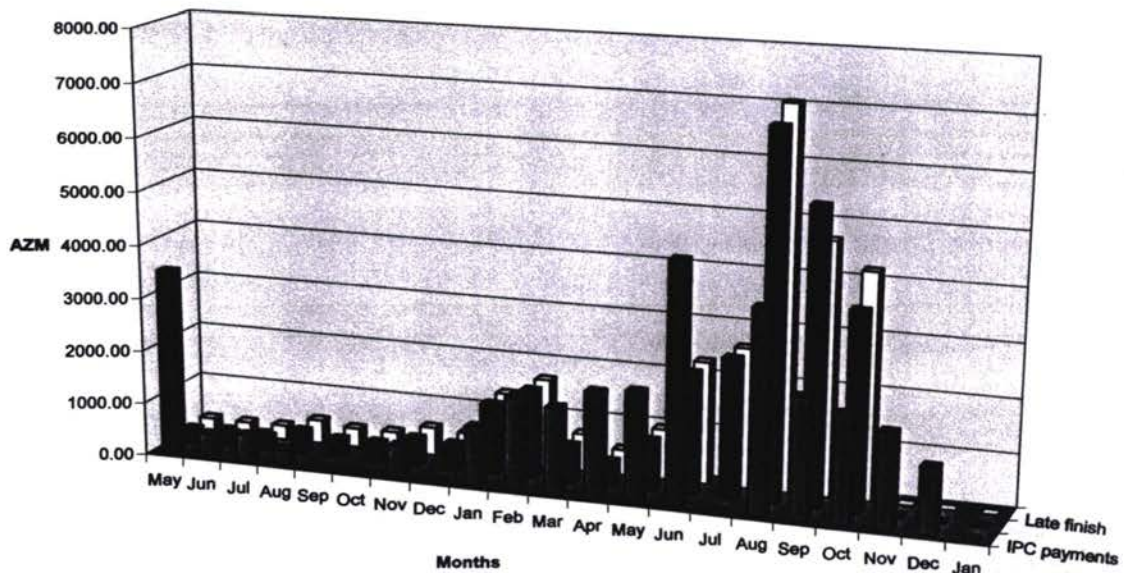
Contract CW2002-1, IPCs payments and the remaining value of Works



1.3.5.2. Cash flow projection

Figure 4

Contract CW2002-1, Comparison between the Contractor's updated cash flow projection (September 5, 2004) and the actual IPCs payments



1.3.7. Correspondence records

1.3.7.1. Incoming Letters

Item	Date	Ref	Date	Subject	Reply status	
					Date	Our
	Received	Num	Letter		Sent	Ref:
1	23/12/2004	200	23/12/2004	Construction of drainage channels in front of pet/station	18/01/2005	273



2	24/12/2004	201	24/12/2004	Completion of the works		
3	14/01/2005	202	14/01/2005	Quantities for storm shutters	18/01/2005	274
4	17/01/2005	203	14/01/2005	Completion of the works		
5	17/01/2005	204	17/01/2005	IPC 16	19/01/2005	276
6	18/01/2005	205	18/01/2005	Mobile and local telephone lines supplied to consultant	18/01/2005	275

### 1.3.7.2. Outgoing letters

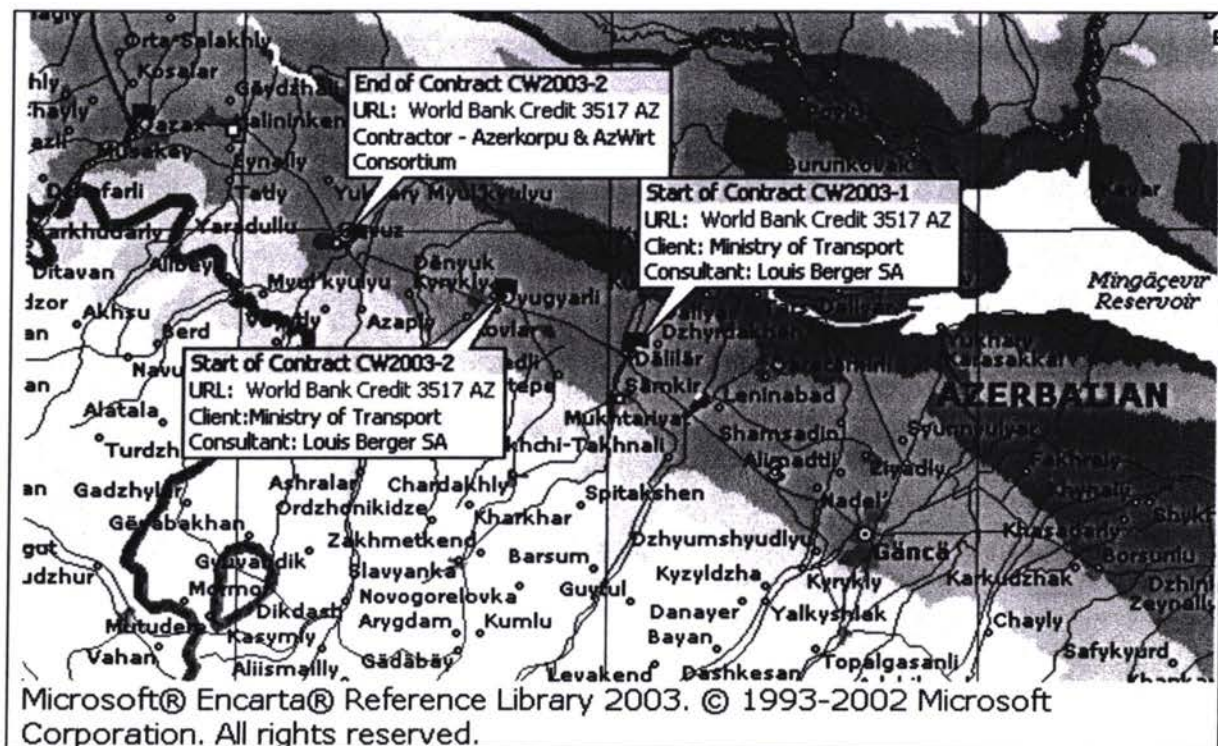
Item	Date Posted	Ref Num	Date Written	Subject	Replay status		
					Required Yes/No	Date Sent	Sender's Ref:
1	23/12/2004	266	22/12/2004	Wearing course-surface checking results	yes		
2	23/12/2004	267	22/12/2004	Letter 193	no		
3	23/12/2004	268	22/12/2004	Letter 196	no		
4	23/12/2004	269	22/12/2004	Letter 198	no		
5	23/12/2004	270	23/12/2004	Letter 197	no		
6	23/12/2004	271	22/12/2004	Letter 199	no		
7	28/12/2004	272	28/12/2004	New Year 2005	no		
8	18/01/2005	273	18/01/2005	Letter 200	no		
9	18/01/2005	274	18/01/2005	Letter 202	no		
10	18/01/2005	275	18/01/2005	Letter 205	no		
11	19/01/2005	276	19/01/2005	Letter 204	no		

# Rehabilitation of Caucasian Highways Azerbaijan Monthly Technical report

Segment 2 for Project Component II:

Construction Supervision of Shemkir to Gazakh - Highway

Contracts CW2003-1 and CW2003-2



**II.Segment 2 for Project Component II: Work Contracts Lot 2, Contract CW 2002-2 now referred to as Contracts CW 2003-1 to CW2003-4 Shemkir-Gazakh Section**

**A. Contracts CW2003-1 and CW2003-2**

**A.2.1. Report Cover page**

**Table 1**

<b>Project Title</b>	<b>Construction Supervision of Shemkir to Gazakh Highway - Contracts CW2003-1 and CW2003-2</b>	
<b>Service Contract</b>	EUROPEAID/113179/C/SV/MULTI	
<b>Country</b>	Azerbaijan	
	<b>Local Recipient - Partner</b>	<b>EC Service Contractor</b>
<b>Name</b>	Azerbaijan Republic Ministry of Transport	Louis Berger SA
<b>Address</b>	The Head of Road Transport Service Department Prospect Tbilisi 1054 The Ministry of Transport	Mercure III 55 Bis Quai de Grenelle 75015 Paris France
<b>Tel No</b>	99412 4930192	+ 33 1 45 78 39 32
<b>Fax No</b>	99412 4315655	+ 33 1 45 77 74 69
<b>Contact Person</b>	Mr. Javid G. Gurbanov	Mr. F. Signor
<b>E-mail</b>		fsignor@louisberger.com
		Project Team Leader
		Baku, Azerbaijan
		+994 12 498 84 31
		+994 12 493 24 76
		R. Degheim

**A.2.2. Project Synopsis**

**Table 2**

<b>Project Objectives</b>	<ul style="list-style-type: none"> <li>To support the Republic of Azerbaijan to catch up with their serious backlogs in road maintenance, and to cope with growing Local, and International Transport.</li> <li>To improve and provide a better level of service for the travelling public on route corridors,</li> <li>To reduce costs in road transportation,</li> <li>To arrest deterioration of pavements (<i>road surfaces</i>) by timely intervention,</li> <li>To reduce costs for road rehabilitation and maintenance.</li> <li>The specific objective of this component of the Project is the supervision of The Works Contracts between Shemkir and Gazakh. This forms part of the ancient "Silk Road"</li> <li>To ensure that the new road rehabilitation and reconstruction is completed to the internationally specified standards and to be completed within the budget and time available.</li> <li>To strengthen the national road construction and maintenance capabilities Through transfer of technology.</li> </ul>
<b>Outputs</b>	<ul style="list-style-type: none"> <li>Good Roads completed to best standards and at the budget price.</li> </ul>
<b>Project activities</b>	<ul style="list-style-type: none"> <li>To rehabilitate and upgrade the existing highway Shemkir to Gazakh – Contracts CW2003-1 and CW2003-2</li> </ul>
<b>Start date</b>	<ul style="list-style-type: none"> <li>February 23<sup>rd</sup>2004</li> </ul>
<b>Start date activities</b>	<ul style="list-style-type: none"> <li>February 23<sup>rd</sup>2004</li> </ul>
<b>Project duration</b>	<ul style="list-style-type: none"> <li>18 months or 548 days</li> </ul>

**A.2.3. Monthly Progress Report**

**A.2.3.1. General**

This section of the Project covers the supervision of the Rehabilitation and Upgrading of the Shemkir - Gazakh section of the Azerbaijan Highway Project Contracts CW 2003-1 and CW 2003-2. The project is organised in



the standard International format using the General Conditions of Contract as issued by the World Bank for projects under \$10,000,000. The works were designed in coordination with Azeravtoyol by a consortium composed of Kocks Consult GMBH (Germany) BCEOM (France) and Finnroad Ltd (Finland). The supervision of the Works Contract forms part of the Rehabilitation of Caucasian Highways Azerbaijan Georgia and Armenia Contract Number EUROPEAID/113179/C/SV/MULTI and is carried out by Louis Berger SA of Paris France. The project is funded by means of a credit from the International Development Association (IDA), or the World Bank. A Project Implementation Unit attached to RoadTransService controls the project on behalf of the Employer. A list of the Key Personal is presented below.

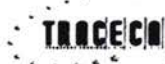
**Table 3**

<b>Funding Agent</b>	International Development Association The World Bank 1818 H Street, NW Washington, DC 20433, USA
Mr. Oliver Le Ber	Lead Transport Specialist Infrastructure and Sector Unit Europe and Central Asia Region
<b>Employer</b>	Azerbaijan Republic Ministry of Transport "Yolneglyatservis" address: Prospect Tbilisi 10/54 The Ministry of Transport Tel:99412 4930192 Fax:99412 4315655
Mr. Cavid Gurbanov Gamber	Chief of the Department
<b>Project Implementation Unit</b>	72/4 Uzeyir Hajibeyov Street 370010 Baku
Mr A. Gojayev	Director
<b>EUROPEAID EC Brussels</b>	
Mr. E. Dalamangas	Project Manager
<b>Service Supervision Contractor</b>	
Louis Berger SAS	Murcure III, 55Bis Quai de Grenelle Paris 75015
R. Degheim	Team Leader / Project Manager
S. I. Dotchev	Project Manager's Representative, Resident Engineer
<b>Contractors</b>	Azerkorpu – Azwirt Consortium

**A.2.3.2. Project Data**

**Table 4**

<b>Works Contracts CW 2003-1 and CW2003-2</b>	
Works Tender Opened	September 2 <sup>nd</sup> 2003
Letter of Acceptance	December 27 <sup>th</sup> 2003
Contract Agreement Signed	January 22 <sup>nd</sup> 2004
Possession of site	February 5 <sup>th</sup> 2004
Tender amount	61,800,315,562.42 AZM
Contract Amount	60,082,264,241.00 AZM
Contract revised value including VO	60,214,171,978.85 AZM
Contract Start Date	February 23 <sup>rd</sup> 2004
Original Contract Completion Date	August 23 <sup>rd</sup> 2005
Extended Completion Date	N/A
Defects Liability Period	365 days
1 <sup>st</sup> Works Programme received	March 24 <sup>th</sup> 2004
Last revision of Works Programme	December 23 <sup>rd</sup> 2004
Value of Works to date as per IPCs	12,000,684,355.00AZM
Value of Works done	13,317,968,003.60AZM
Value of Works done (%)	21,55%
Variations	Variation order №1 for amount of +131,907,737.85 AZM
Advance Payment (20%)	AZM 12,016,452,848.20
Repayments made	N/A



Delays	122 days (excluding delay of about 5 months for longitudinal redesign)
Claims	Claim №1 – Late advance payment, under PM consideration Claim №2 – Late paid portion of advance payment, under PM consideration
Time elapsed to date	344 days
Time remaining to date	204 days

**A.2.3.3. Progress report**

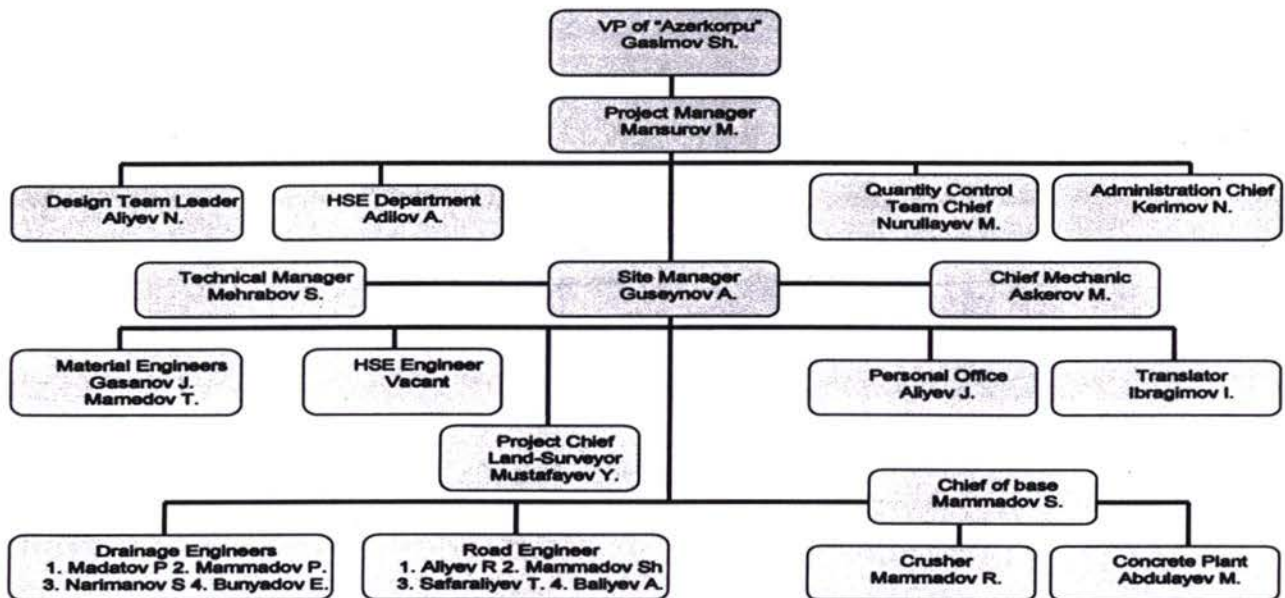
**A.2.3.3.1. Status of the Project**

Since start (February 23, 2004) the Contractor have been on site 344 days or 62.78% of the Contractual time and to date are remaining 204 days or 37.23% of the Contractual time.

**A.2.3.3.1.1. Contractor's site staff**

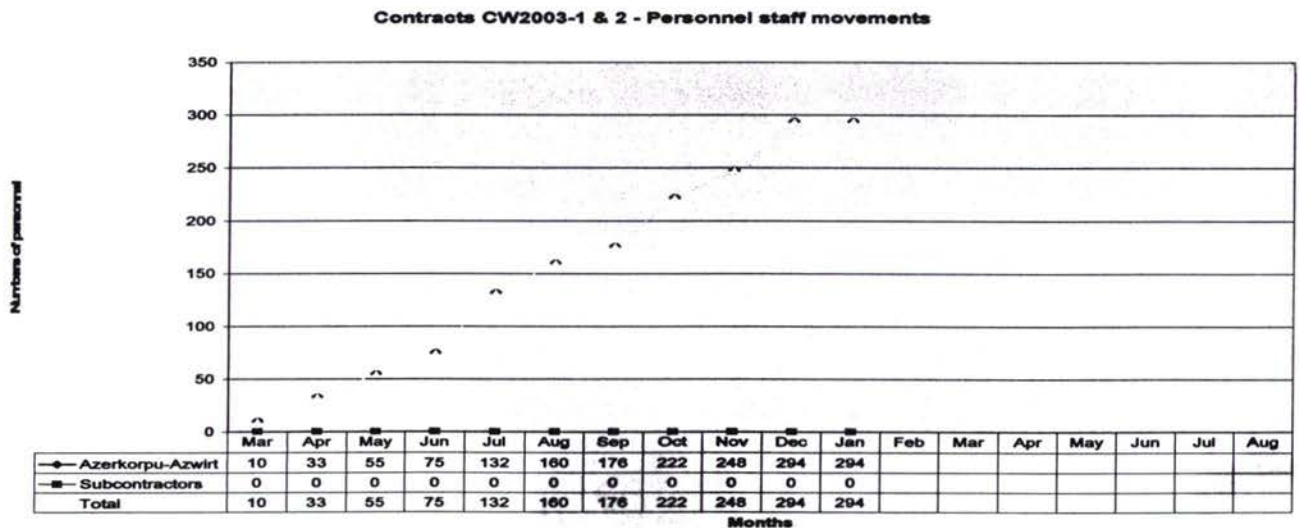
**A.2.3.3.1.1.1. Contractor's site management staff organisation (organogramme)**

Figure 1



**A.2.3.3.1.1.2. Contractor's site staff employed**

Figure 2



### A.2.3.3.1.2. Contractor's machinery and equipment

Table 5

Item	Description	Model and capacity	Unit	For project	Available
1	Dumper truck	Mercedes ,KAMAZ;65115 5511MAZ5516,5319	no	0	25
2	Crane	RDK	no	0	0
3	Water tanker	MAZ5334	no	0	3
4	Microbus/BUS	FORD - KIA PAZ-3205	no	2	3
5	Truck	QAZ-53/QAZ-52	no	4	0
6	Vibro roller	Bomag/dynapac	no	8	0
7	Excavator	Cat318/EO 5129/CAT330,,Litronik - 932 EO- 3322	no	2	6
8	Grader	DZ-1225-1-" DOMAS" CAT140H DZ-180	no	4	4
9	Loader	CaT950G,L-538; L-541	no	2	3
10	Welding Machine		no	0	0
11	Trailer		no	2	0
12	Milling Machine	Wirtgen	no	2	0
13	Crusher Plant	SBM 10/12/6 &10/6/6;220 t/h; 1993	no	2	0
14	Asphalt mix Plant	Wibau GmbH	no	2	0
15	Vibrating plate	Bomag	no	4	0
16	Bulldozer	T-170,CAT D8R, CAT D5N	no	2	3
17	Truck crane	KATO,MAZ3577,Dnepr-3573,kazmaz53215	no	4	4
18	Water carrier		no	0	0
19	Welding set		no	0	0
20	Generator	DT-75	no	0	1
21	Drilling Rig	Soilmec 516	no	0	0
22	Asphalt Paver	Joseph Vogele AG	no	2	0
23	Pneumatic roller	Bomag	no	6	0
24	Milling Machine	Wirtgen	no	2	0
25	Semi trailer low bed	Yalchin Dorse Damper San	no	2	0
26	Concrete Mixer	Atika Ultra	no	2	0
27	Concrete Mixer	Stroy mash KAMAZ	no	4	2
28	Bitumen Spreader	KAMAZ	no	2	0
29	Service van	Gazel	no	2	0
30	Road roller	BOMAG 65H;-BW-219 DH-3;-212DZ; 216DZ;,BOXER,Vibrokatok -VM106D	no	2	6
31	Compressor	Atlas	no	2	0
32	Hidrohammer	Krupp	no	6	0
33	Testing bore	Germany	no	2	0
34	Zeiss N2	Germany	no	2	0
35	Lorry	QAZ-66 QAZ-33023-14,UAZ-452	no	0	3
36	Car	VAZ-21214 Hyundai Sonata	no	0	8
37	Fuel tanker	ZIL -130	no	0	1

### A.2.3.3.1.3. Contractor's Work programme

Revised updated Works Programme been submitted December 2004, however as soon as the final volumes of Works been determined by the longitudinal redesign and the Contractor's claim for extension of time been considered the Contractor is to forwarded much more realistic Work Programme, where the Programme daily production rates shall be close to actually achieved to date.

ID	Task Name	Dura	Start	Finish	3rd Quar		4th Quar		1st Quar		2nd Quar		3rd Quar		4th Quar		1st Quar		2nd Quar		3rd Quar		4th Quar		1st Quar		2nd Quar								
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Preliminary Wo	289	Wed 16	Fri 15	[Gantt bar]																														
2	Earthworks	205	Thu 05	Sun 15	[Gantt bar]																														
3	Pavement Worl	206	Thu 21	Mon 01	[Gantt bar]																														
4	Shoulder Sub b	146	Fri 21	Wed 10	[Gantt bar]																														
5	Drainage	264	Tue 25	Sun 26	[Gantt bar]																														
6	Bridge 36	127	Tue 28	Sun 19	[Gantt bar]																														
7	Bridge 37	66	Sat 01	Fri 01	[Gantt bar]																														
8	Bridge 38	55	Tue 15	Sun 01	[Gantt bar]																														
9	Bridge 39	151	Tue 08	Thu 30	[Gantt bar]																														
10	Bridge 40	65	Fri 04	Tue 31	[Gantt bar]																														
11	Bridge 41	106	Mon 20	Thu 10	[Gantt bar]																														
12	Bridge 42	62	Sun 01	Fri 22	[Gantt bar]																														
13	Miscellaneous	168	Sat 01	Sat 20	[Gantt bar]																														
14	Furniture and r	19	Thu 28	Tue 23	[Gantt bar]																														

### A.2.3.3.2. Project activity to date

Table 6

Item	Project activity to date - 19/21																			%
	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	
1	Consultant's staff mobilization																			100
2	Project Manager's office accommodations																			100
3	Project Manager's house accommodations																			100
4	Project Manager's vehicles																			75
5	Contractor's staff mobilization ()																			90
6	Contractor's office accommodations																			80
7	Contractor's staff quarters																			90
8	Contractor's laboratory																			75
9	Contractor's machinery and equipment mobilization ()																			50
10	Contractor verifying Project bench marks																			100
11	Existing ground elevations																			75
12	<b>Overlay (T-1)3,190/3,580km=6,770km (T-2)3,020/2,315 km=5,335km</b>																			0
13	<b>Reconstruction -14,186/9,909km</b>																			0
14	Site Clearing and Grubbing - (10,32/17,9.4Ha) 9.106km/11.614km																			25
15	Bulk earthworks - road embankment - (292529/321388m3) 9.106km/11.614km																			15
16	Milling/Removing of existing asphalt pavement - (13562/11537m3) 9.106km/11.614km																			15
17	Removing sub base material -11261/193287m3) 9.106km/11.614km																			0
18	Formation level - (332398/295349m2) 9.106km/11.614km																			10
19	Granular Capping layer - (350mm-82823/82707m3) 9.106km/11.614km																			10
20	Granular Sub base layer -(225mm-18890/40785m3),(200mm-14250/0m3)) 9.106km/11.614km																			0
21	Bituminous base course - 175mm - (160913/157963m2) 9.106km/11.614km																			0
22	Wearing course - 50mm - (1717076/180646m2) 9.106km/11.614km																			0
23	Granular shoulder - 225mm - (23704/237465m3) 9.106km/11.614km																			0
24	<b>Realignment -4,149km/0</b>																			0
25	Site Clearing and Grubbing - (10/7.1Ha) 1.657km/1.236km																			0
26	Bulk earthworks - road embankment - (57818/18978m3) 1.657km/1.236km																			0
27	Formation level -( 6158/11254m2) 1.657km/1.236km																			0
28	Granular Capping layer - (350mm-7651/6983m3) 1.657km/1.236km																			0

29	Granular Sub base layer - 225mm - (6030/4340m3)	1.657km/1.236km	0																	
30	Bituminous base course - 175mm - (16736/12139m2)	1.657km/1.236km	0																	
31	Wearing course - 50mm - (16435/11946m2)	1.657km/1.236km	0																	
32	Granular shoulder - 225mm - (2032/1385m3)	1.657km/1.236km	0																	
33	<b>Structures - Bridges (7, culverts (124))</b>		0																	
34	Bridge - Bridges new(6), rehab.(1) Work is going 2(new)		45																	
35	Culverts - 54/70num Work is going on 34 culverts		40																	
36	<b>Finishing off the Project - 40km</b>		0																	
37	Road signs and marking - 40km		0																	
38	Site drains		0																	
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100

### A.2.3.3.3. Project progress summary

Estimated delay is about 122 days.

#### A.2.3.3.3.1. Works Progress on structures

##### A.2.3.3.3.1.1. Progress on culverts

Table 7

Item	Num	Exist	Location	Type	Size	Checked	Start	End
1	1	yes	0+021	pipe	1250	Yes		
2	2	yes	0+027	pipe	1250	Yes		
1n	3	yes	0+370	pipe	1000	yes		
2e	4	yes	0+789	pipe	1000	Yes		
3e	5	yes	1+429	pipe	1000	Yes		
4e	6	yes	3+117	pipe	1000	Yes		
5e	7	yes	3+451	pipe	1000	Yes		
6e	8	yes	3+799	pipe	1000	Yes		
7n	9	no	4+070	pipe	3x1250	no		
8e	10	yes	4+410	pipe	1000	Yes		
9n	11	no	4+908	pipe	2x1250	no		
10e	12	yes	5+103	pipe	1000	Yes		
11e	13	yes	5+875	pipe	2,5x2,0	Yes		
12n	14	no	5+889	pipe	1250	no		
13e	15	yes	6+348	pipe	1000	Yes		
14e	16	yes	6+650	pipe	1000	Yes		
15e	17	yes	7+247	pipe	1000	Yes		
16n	18	no	7+405	pipe	3x1250	no		
3	19	yes	7+690	pipe	1000	Yes		
17n	20	no	7+780	pipe	3x1250	no		
18e	21	yes	7+964	pipe	1000	Yes		
19e	22	yes	8+182	pipe	1000	Yes		
20n	23	no	8+415	pipe	1250	no		
4	24	yes	8+582	pipe	1000	Yes		
21e	25	yes	8+948	pipe	1200	Yes		
22e	26	yes	9+721	pipe	1000	Yes		
23n	27	yes	9+928	pipe	1000	yes		
24e	28	yes	11+070	pipe	1000	Yes		
25e	29	yes	11+106	box	2,0x2,0	Yes		
26e	30	yes	11+246	pipe	1000	Yes		
5	31	yes	11+326	pipe	1000	Yes		
27n	32	no	11+563	pipe	3x1250	no		
6	33	yes	12+063	pipe	1000	Yes		
28e	34	yes	12+738	pipe	1000	Yes		
29e	35	yes	13+169	pipe	1000	Yes		
30n	36	no	13+230	pipe	1250	no		
31e	37	yes	13+368	pipe	1000	Yes		
32e	38	yes	13+947	pipe	1500	Yes		





33n	39	no	14+015	pipe	3x1250	no		
34e	40	yes	14+737	pipe	1000	Yes		
7	41	yes	14+837	pipe	1000	Yes		
35e	42	yes	15+151	pipe	1000	Yes		
36n	43	no	15+421	box	4,0x2,5	no		
37e	44	yes	15+883	pipe	1000	Yes		
38e	45	yes	15+965	pipe	1000	yes	05/07/2004	
8	46	yes	16+365	pipe	1000	Yes	05/07/2004	
39n	47	no	16+788	box	3,0x2,5	no		
40n	48	yes	17+318	pipe	1250	yes		
41n	49	yes	17+347	box	2,0x2,0	yes		
42n	50	yes	17+429	pipe	1250	yes		
43e	51	yes	17+731	box	2000*2000	Yes	09/07/2004	
44e	52	yes	18+141	pipe	1000	Yes		
45e	53	yes	18+409	pipe	1000	Yes	09/07/2004	
46n	54	no	18+460	box	3,0x2,5	no		
47e	55	yes	18+609	pipe	1000	Yes		
48e	56	yes	18+797	pipe	1000	Yes	09/07/2004	
9	57	yes	19+797	pipe	1250	Yes		
49e	58	yes	20+988	pipe	1000	Yes		
50e	59	yes	21+074	pipe	1000	Yes		
51e	60	yes	21+158	pipe	1000	Yes		
52e	61	yes	21+333	pipe	1000	Yes		
53e	62	yes	21+693	pipe	1000	Yes		
10	63	yes	21+893	box	2000*1000	Yes		
54e	64	yes	22+136	pipe	1000	Yes	09/07/2004	
55e	65	yes	22+148	pipe	1000	Yes	09/07/2004	
56e	66	yes	22+379	pipe	1000	Yes	09/07/2004	
57n	67	yes	22+624	pipe	1250	yes		
11	68	no	22+926	pipe	1250	Yes		
58e	69	yes	23+359	pipe	1250	Yes		
59e	70	yes	23+948	pipe	1000	Yes		
60e	71	yes	24+024	pipe	1000	Yes		
61e	72	yes	24+521	pipe	1500	Yes		
62e	73	yes	24+687	pipe	1000	Yes		
12	74	no	24+962	pipe	1000	Yes	14/01/2005	
63e	75	yes	25+113	pipe	1000	Yes	12/01/2005	
64n	76	no	25+688	pipe	4,0x2,5	no		
65e	77	yes	25+721	pipe	1000	Yes	28/06/2004	
66e	78	yes	26+149	pipe	1000	Yes		
13	79	yes	26+449	pipe	1000	Yes		
67e	80	yes	26+742	pipe	1000	Yes		
68e	81	yes	27+020	pipe	1000	Yes	23/09/2004	15/01/2005
69e	82	yes	27+113	pipe	1250	Yes		
70e	83	yes	27+543	box	2,0x2,0	Yes		
71e	84	yes	27+643	pipe	2x2200	Yes		
14	85	yes	27+743	pipe	1200	Yes		
72e	86	yes	27+944	pipe	1000	Yes	28/06/2004	
73e	87	yes	28+050	pipe	1250	Yes	08/01/2005	22/01/2005
15	88	yes	28+200	pipe	1000	Yes	09/01/2005	22/01/2005
74e	89	yes	28+477	pipe	1000	Yes	16/09/2004	26/11/2004
75n	90	no	28+580	pipe	1250	no		
76e	91	yes	28+620	pipe	1000	Yes	16/09/2004	27/11/2004
77e	92	yes	28+790	pipe	1000	Yes		
78e	93	yes	28+999	pipe	1000	Yes	28/06/2004	
79e	94	yes	29+405	pipe	2x1250	Yes	09/12/2004	29/12/2004
80e	95	yes	29+461	pipe	1000	Yes		
16	96	no	29+561	pipe	1000	Yes	09/12/2004	23/12/2004
81e	97	yes	29+952	pipe	1000	Yes	28/06/2004	12/12/2004
82n	98	no	30+080	pipe	1250	no	28/11/2004	12/12/2004
17	99	yes	30+345	pipe	1000	Yes	10/12/2004	20/12/2004
83n	100	no	30+538	pipe	1000	no	28/11/2004	14/12/2004
84e	101	yes	30+892	pipe	1000	Yes	21/11/2004	03/12/2004
85e	102	yes	31+154	pipe	1000	Yes	17/10/2004	07/11/2004
86e	103	yes	31+515	pipe	1250	Yes	25/08/2004	15/11/2004
18	104	yes	31+615	pipe	1000	Yes	28/06/2004	05/11/2004



87e	105	yes	31+962	pipe	1000	Yes	04/10/2004	23/10/2004
88e	106	yes	32+096	pipe	2x1250	Yes	09/11/2004	20/11/2004
89e	107	yes	32+611	pipe	1000	Yes	06/07/2004	05/11/2004
90e	108	yes	32+876	pipe	1000	Yes	04/10/2004	22/10/2004
91e	109	yes	33+096	pipe	1000	Yes	28/06/2004	10/11/2004
92e	110	yes	33+352	pipe	1000	Yes	05/10/2004	20/10/2004
93e	111	yes	33+650	pipe	2x1250	Yes	13/11/2004	12/12/2004
94e	112	yes	33+832	pipe	600	Yes	03/11/2004	02/12/2004
95e	113	yes	34+073	pipe	1000	Yes	28/06/2004	12/12/2004
96e	114	yes	34+386	pipe	2x1250	Yes	04/12/2004	19/12/2004
97n	115	no	34+400	pipe	2x1250	no		
98e	116	yes	35+076	pipe	600	Yes		
99e	117	yes	35+533	pipe	1000	Yes	23/08/2004	
100n	118	no	35+770	pipe	2x1250	no		
101n	119	no	36+100	pipe	2x1250	no		
102e	120	yes	36+211	pipe	1250	Yes		
19	121	yes	36+361	pipe	1000	Yes		
103e	122	yes	36+585	pipe	1000	Yes		
104n	123	yes	38+575	pipe	1250	yes		
105e	124	yes	38+591	box	2,0x2,0	Yes		
20	125	yes	38+796	pipe	1000	Yes		
106e	126	yes	39+377	pipe	1250	Yes		

#### A.2.3.3.3.1.2. Progress on bridges

##### A.2.3.3.3.1.2.1. General on bridge structures

Table 8

Item	Bridges	Location	Design	Incoming	Outgoing	Department	Approved	Not approved
a	b	c	d	f	m	g	e	r
1	Bridge №36 Overpass	2+314	yes	15,11,04 162-D	07,12,04 PS277/03- 1&2/SD-248	-		Contractor work on own risk and cost
2	Bridge №37 Djayri river	3+020	yes	27,12,04 217-D	11,01,05 1&2/SD-290	-	-	
3	Bridge №38 Ganli-Gobu (valley)	5+544	yes	15,11,04 162-D	07,02,04 PS277/03- 1&2/SD-248	-		Contractor work on own risk and cost
4	Bridge №39 Zayam river	20+168	yes	08,07,04 58-D	08,07,04 87	15,10,04 03/1384	approved	-
5	Bridge №40 Pipe culvert replace the bridge	27+997	yes	08,11,04 №155	09,11,04 PS277/2003- 1&2/SD-211	11,11,04 03/1372	approved	-
6	Bridge №41 Asrik river	34+870	yes	30,08,04 102-D	21,09,04 PS277/2003- 1&2/SD-144	20,09,04 pr №9	approved	-
7	Bridge №42 Tovuz river	37+539	no	-	-		-	

##### A.2.3.3.3.1.2.2. Bridge 36

Contractor have submitted execution drawings and after our acceptance those drawings been forwarded to RTSD for attention and consideration. However the Contractor start construction works pending the Client's approval. Bridge WP been requested but not forwarded yet.

##### A.2.3.3.3.1.2.3. Bridge 38

Contractor have submitted execution drawings and after our acceptance those drawings been forwarded to RTSD for attention and consideration. However the Contractor start construction works pending the Client's approval. Bridge WP been requested but not forwarded yet.



#### A.2.3.4.1.2. Claim №2 – Late payment of Azeri part of advance payment

Second Contractor's claim has been received - Requested Advance payment of 20% has been paid partially and Contractor has claimed in accordance to the Conditions of Contract, clause 44, sub-clause 44.1(i) the delay of advance payment is a compensation event. This includes compensation on both additional cost (clause 44.2) and extension of time due to a compensation event (clause 28.1). Further the Contractor has referred to Clause 43 (Payment), sub-clause 43.1, and claimed interest rate on late payments. The Claim is under PM's consideration and attention.

#### A.2.3.4.2. Variations

##### A.2.3.4.2.1. Variation order №1

For the amount of 131,907,737.85 AZM, new beginning of Contract CW2003-1 – On Client's instruction, 60m' a part of Contract 2002-1 are to be added, in order to have existing ring cross road in one Contract (Contract CW2003-1). Variation Order approved and submitted to the Contractor.

##### A.2.3.4.2. Variation Order №2

Bridge №39 at km 411+143 (new construction has been proposed instead of rehabilitation). The first intermediate foundation support at Baku site has collapsed. The reason for collapsing is that the river bed at that location has been eroded and the foundation left on air unsupported. Originally, this bridge is to be rehabilitated but due to the actual situation of the bridge, a new construction is required.

Drawings received from the Contractor and submitted to the Employer on 08 July 2004 for approval. This VO would be finalized after receiving breakdown for new items from the Contractor.

##### A.2.3.4.2.3. Variation order №3

Under preparation - On Client instruction, Works on Contract CW2003-2 km 37+700 to km 40+000 are to be stopped due to potential planned construction of Tovuz bypass. This VO-3 would be finalized after agreement between the Employer and the WB if Tovuz bypass would be constructed and after Employer instruction about the Works to be done between km 37+700 – km 40+000.

#### A.2.3.5. Financial

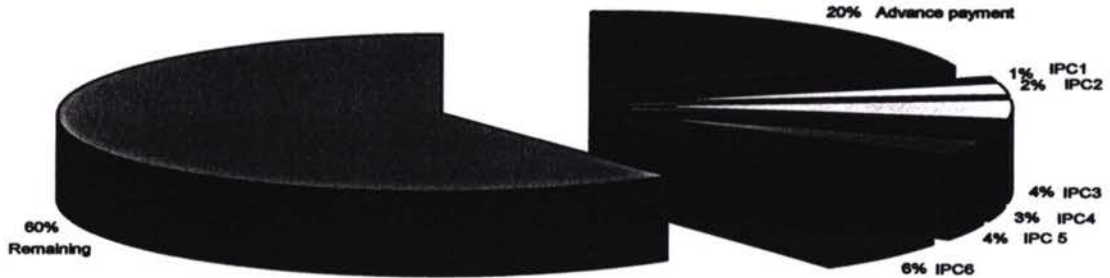
##### A.2.3.5.1. Interim Payment Certificates to date

Table 10

Item	Date	IPC	Value AZM	%	Status
1	30/05/04	Advance		19.96%	paid
2	15/07/04	IPC1		1.00%	paid
3	30/07/04	IPC2		2.48%	paid
4	30/08/04	IPC3		4.08%	paid
5	30/09/04	IPC4	1,604,695,238.50	2.66%	not yet
6	30/10/04	IPC5	2,119,918,488.00	3.52%	not yet
7	15/12/04	IPC6	3,723,680,520.92	6.18%	not yet
				39.88%	Not fully
		Available	5,448,294,247.42	60.12%	Remained
		Contract price	60,214,171,378.85	100.00%	

Figure 4

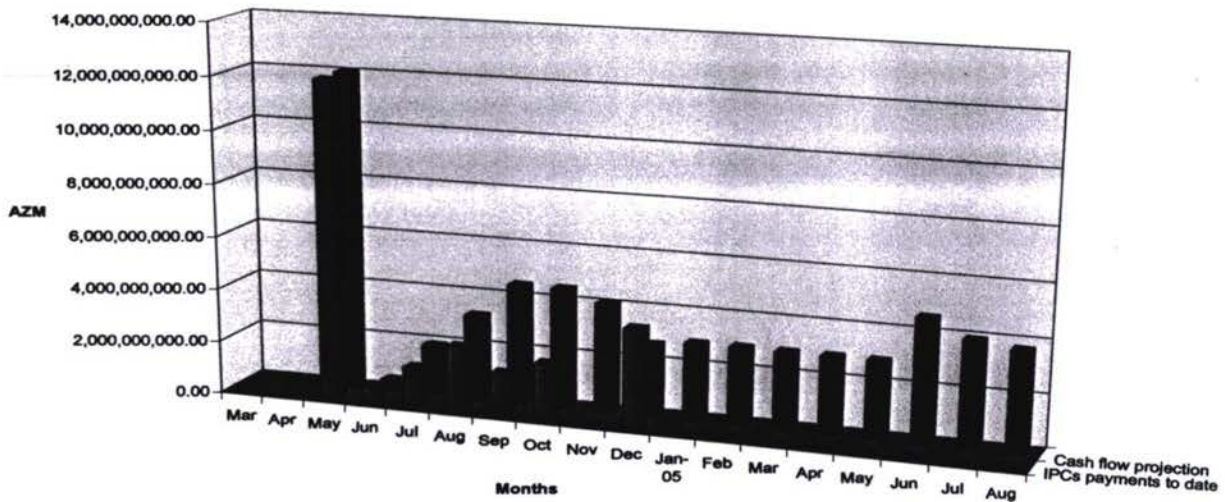
Contracts CW2003-1 & 2, Payments to date and the remaining value of Works



A.2.3.5.2. Cash Flow projection

Figure 5

Contract CW2003-1&2, Comparison between the Contrator's updated cash flow projection (July 9th2004) and the actual IPC payments



A.2.3.6. Testing results

Table 11

Description of Work	Test Performed				Remarks
	Total	Passed	Retested	% Passed	
<b>Road Embankment</b>					
1 FDT/Nuclear Density	331	322	9	97.2	
2 PI	4	0	4	0	
3 MDD/Proctor	5	1	4	20	
4 CBR	4	0	4	0	
5 Moisture Content	4	0	4	0	
<b>Granular capping layer or selected sub grade fill- 1 (175mm Of 350mm)</b>					
1 Gradation	2	2	0	100	
2 FDT/Nuclear Density	8	8	0	100	
3 MDD/Proctor	2	2	0	100	
4 PI	2	2	0	100	

5	CBR	2	2	0	100
6	Moisture Content	2	2	0	100
<b>Granular capping layer or selected sub grade fill- 2 (175mm of 350mm)</b>					
1	Gradation	2	2	0	100
2	FDT/Nuclear Density	8	8	0	100
3	MDD/Proctor	2	2	0	100
4	PI	2	2	0	100
5	CBR	2	2	0	100
6	Moisture Content	2	2	0	100
<b>Concrete Works</b>					
1	Compression Test	90	90	0	100
2	Slump	45	45	0	100
3	Gradation	0	0	0	0
4	LAA	0	0	0	0
5	Soundness	0	0	0	0
6	Sp. Gravity	0	0	0	0
7	Flakiness Index	0	0	0	0
8	Sand equivalent	0	0	0	0
9	Unit Weight	135	135	0	100

### A.2.3.7. Correspondence records

#### A.2.3.7.1. Incoming Letters

**Table 12**

Item	Date Received	Ref Num	Subject	Replay status	
				Date Sent	Our Ref.
1	22/12/2004	212-D	Following drawings of gas pipelines at KM 28+480 and KM 31+195	22/12/2004	277
2	23/12/2004	213-D	List contractors staff and equipments for Desember2004	22/12/2004	278
3	23/12/2004	214-D	Renewed schedule of works	22/12/2004	279
4	23/12/2004	215-D	Letter 270	11/01/2005	288
5	27/12/2004	216-D	Following manufacture certificates	11/01/2005	289
6	27/12/2004	217-D	Bridge No 37	11/01/2005	290
7	27/12/2004	218-D	Approval there project Km 0+000 Km 6+000	28/12/2004	282
8	27/12/2004	219-D	Bridges No36 and No38	28/12/2004	283
9	27/12/2004	220-D	Km 20+396 27+000, including the ramps at Km 23+370, Km 24+542, Kk 25+000	11/01/2005	291
10	29/12/2004	221-D	Manufacture certificates for reinforcement	17/01/2005	294
11	11/01/2005	222-D	Shop drawings of the pipe	17/01/2005	295
12	11/01/2005	223-D	Design drawings of aqueduct (d=0.426m) at KM 345+60	17/01/2005	296
13	11/01/2005	224-D	Bridge No 38	17/01/2005	297
14	12/01/2005	225-D	Communication line passing at KM 29+900	17/01/2005	298
15	14/01/2005	226-D	Manufacture certificates for cement		
16	15/01/2005	227-D	Bridge No 36	17/01/2005	299
17	17/01/2005	228-D	Design drawing of service duct (d=530 mm) at Km 28+790.5	24/01/2005	300
18	17/01/2005	229-D	Design drawings of pipe (d=1.0m) at KM 29+000 (28+999)	24/01/2005	301
19	18/01/2005	230-D	Drawing of pipe culvert (d=1.0 m) at km 19+722 (19+797)	24/01/2005	302
20	22/01/2005	231-D	Animal passing		
21	24/01/2005	232-D	Construction of the bridge No 36 on our own risk		
22	17/01/2005	13/58	km 36+200 to km 37+700		
23	25/01/2005	233-D	Contractor's staff and equipments for January 2005		
24	25/01/2005	234-D	Animal passing		
25	25/01/2005	235-D	Cost estimate of bridge No 36		

**A.2.3.7.2. Outgoing letters**

**Table 13**

Item	Date	Ref	In response	Subject	Replay status	
	Posted	Num	to		Date Sent	Sender's Ref.
1	20/12/2004	269	207/16.12.04	Letter 207-D		
2	23/12/2004	270	193/02.12.04	Letter 193-D		
3	23/12/2004	271	201/06.12.04	Letter 201-D		
4	23/12/2004	272	540/23.11.04	Letter 540		
5	28/12/2004	273	198/04.12.04	Letter 198-D		
6	28/12/2004	274	204/13.12.04	Letter 204-D		
7	28/12/2004	275	209/20.12.04	Letter 209-D		
8	28/12/2004	276	211/20.12.04	Letter 211-D		
9	28/12/2004	277	212/22.12.04	Letter 212-D		
10	28/12/2004	278	213/23.12.04	Letter 213-D		
11	28/12/2004	279	214/23.12.04	Letter 214-D		
12	28/12/2004	280	83/13.12.04	Letter 83-D		
13	24/02/1900	281	210/20.12.04	Letter 210-D		
14	28/12/2004	282	218/27.12.04	Letter 218-D		
15	29/12/2004	283	219/27.12.04	Letter 219-D		
16	28/12/2004	284	N/A	New Year 2005		
17	12/01/2005	285	N/A	Longitudinal redesign km 27+000 to km 36+200		
18	12/01/2005	286	N/A	Longitudinal redesign km 6+000 to km 12+200		
19	12/01/2005	287	208/16.12.04	Letter 208-D		
20	12/01/2005	288	215/23.12.04	Letter 215-D		
21	12/01/2005	289	216/24.12.04	Letter 216-D		
22	12/01/2005	290	217/26.12.04	Letter 217-D		
23	12/01/2005	291	220/27.12.04	Letter 220-D		
24	12/01/2005	292	N/A	Progress of Works		
25	17/01/2005	293	N/A	Longitudinal redesign km 36+200 to km 37+700		
26	18/01/2005	294	221/29.12.04	Letter 221-D		
27	18/01/2005	295	222/10.01.05	Letter 222-D		
28	18/01/2005	296	223/10.01.05	Letter 223-D		
29	18/01/2005	297	224/11.01.05	Letter 224-D		
30	18/01/2005	298	225/12.01.05	Letter 225-D		
31	18/01/2005	299	227/15.01.05	Letter 227-D		
32	25/01/2005	300	228/17.01.05	Letter 228-D		
33	25/01/2005	301	229/17.01.05	Letter 229-D		
34	25/01/2005	302	230/18.01.05	Letter 230-D		



**A.2.3.8. Project progress photos**  
**Detour at Bridge 38**



**Progress of Works at Bridge 39**



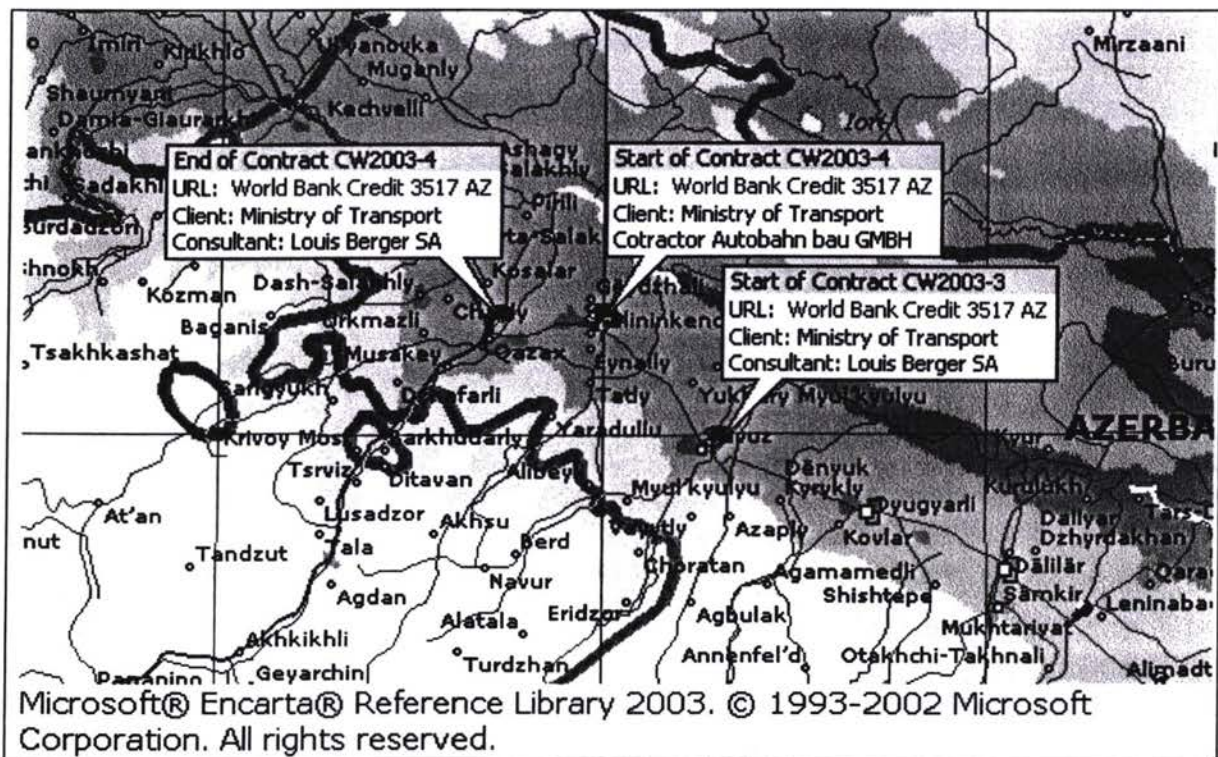


# Rehabilitation of Caucasian Highways Azerbaijan Monthly Technical report

Segment 2 for Project Component II:

Construction Supervision of Shemkir to Gazakh - Highway

Contracts CW2003-3 and CW2003-4



## **B. Contracts CW2003-3 and CW2003-4**

### **B.2.1. Report Cover page**

**Table 1**

<b>Project Title</b>	<b>Construction Supervision of Shemkir to Gazakh - Highway - Contracts CW2003-3 and CW2003-4</b>	
<b>Service Contract</b>	EUROPEAID/113179/C/SV/MULTI	
<b>Country</b>	Azerbaijan	
	<b>Local Recipient - Partner</b>	<b>EC Service Contractor</b>
<b>Name</b>	Azerbaijan Republic Ministry of Transport	Louis Berger SA
<b>Address</b>	The Head of Road Transport Service Department Prospect Tbilisi 1054 The Ministry of Transport	Mercure III 55 Bis Quai de Grenelle 75015 Paris France
<b>Tel No</b>	99412 4930192	+ 33 1 45 78 39 32
<b>Fax No</b>	99412 4315655	+ 33 1 45 77 74 69
<b>Contact Person</b>	Mr. Javid G. Gurbanov	Mr. F. Signor
<b>E-mail</b>		fsignor@louisberger.com
		Project Team Leader
		Baku, Azerbaijan
		+994 12 498 84 31
		+994 12 493 24 76
		R. Degheim

### **B.2.2. Project Synopsis**

**Table 2**

<b>Project Objectives</b>	<ul style="list-style-type: none"> <li>To support the Republic of Azerbaijan to catch up with their serious backlog maintenance, and to cope with growing Local, and International Transport.</li> <li>To improve and provide a better level of service for the travelling public on route corridors,</li> <li>To reduce costs in road transportation,</li> <li>To arrest deterioration of pavements (<i>road surfaces</i>) by timely intervention,</li> <li>To reduce costs for road rehabilitation and maintenance.</li> <li>The specific objective of this component of the Project is the supervision of the Works Contracts between Shemkir and Gazakh. This forms part of the ancient "Silk Road"</li> <li>To ensure that the new road rehabilitation and reconstruction is completed to the internationally specified standards and to be completed within the budget and time Available.</li> <li>To strengthen the national road construction and maintenance capabilities through Transfer of technology.</li> </ul>
<b>Outputs</b>	<ul style="list-style-type: none"> <li>Good Roads completed to best standards and at the budget price.</li> </ul>
<b>Activities</b>	<ul style="list-style-type: none"> <li>To rehabilitate and upgrade the existing highway Shemkir to Gazakh - Contracts CW2003-3 and CW2003-4</li> </ul>
<b>Start date</b>	<ul style="list-style-type: none"> <li>February 23<sup>rd</sup>2004</li> </ul>
<b>Start date activities</b>	<ul style="list-style-type: none"> <li>February 23<sup>rd</sup>2004</li> </ul>
<b>Duration</b>	<ul style="list-style-type: none"> <li>18 months or 548 days</li> </ul>

### **B.2.3. Monthly Progress Report**

#### **B.2.3.1. General**

This section of the Project covers the supervision of the Rehabilitation and Upgrading of the Shemkir - Gazakh section of the Azerbaijan Highway Project Contracts CW2003-3 and CW2003-4. The project is organised in the standard International format using the General Conditions of Contract as issued by the World Bank for projects under \$10,000,000. The works were designed in coordination with Azeravtoyol by a consortium composed of Kocks Consult GMBH (Germany) BCEOM (France) and Finnroad Ltd (Finland). The supervision of the Works Contract forms part of the Rehabilitation of Caucasian Highways Azerbaijan Georgia and Armenia Contract

Number EUROPEAID/113179/C/SV/MULTI and is carried out by Louis Berger SA of Paris France. The project is funded by means of a credit from the International Development Association (IDA), or the World Bank. A Project Implementation Unit attached to RoadTransService controls the project on behalf of the Employer. A list of the Key Personal is presented below.

**Table 3**

<b>Funding Agent</b>	International Development Association The World Bank 1818 H Street, NW Washington, DC 20433, USA
Mr. Oliver Le Ber	Lead Transport Specialist Infrastructure and Sector Unit Europe and Central Asia Region
<b>Employer</b>	Azerbaijan Republic Ministry of Transport "Yolnegliyatservis" address: Prospect Tbilisi 10/54 The Ministry of Transport Tel:99412 4930192 Fax:99412 4315655
Mr. Cavid Gurbanov Gamber	Chief of the Department
<b>Project Implementation Unit</b>	72/4 Uzeyir Hajibeyov Street 370010 Baku
Mr A Gojayev	Director
<b>EUROPEAID EC Brussels</b>	
Mr. E Dalamangas	Project Manager
<b>Service Supervision Contractor</b>	
Louis Berger SA	Murcure III 55Bis Quai de Grenelle Paris 75015
R. Degheim	Team Leader / Project Manager
S. I. Dotchev	Project Manager's Representative, Resident Engineer
<b>Contractors</b>	Autobahn Bau GMBH

**B.3.3.2. Project Data**

**Table 4**

<b>Works Contracts CW2003-3 and CW2003-4</b>	
Works Tender Opened	September 2 <sup>nd</sup> 2003
Letter of Acceptance	December 27 <sup>th</sup> 2004
Contract Agreement Signed	January 22 <sup>nd</sup> 2004
Possession of site	February 5 <sup>th</sup> 2004
Contract Amount	AZM 45,937,384,407.14
Contract revised amount	N/A
Contract Start Date	February 23 <sup>rd</sup> 2004
Original Contract Completion Date	August 23 <sup>rd</sup> 2005
Defects Liability Period	365 days
Extended Completion Date	N/A
1 <sup>st</sup> , Works Programme received	March 1 <sup>st</sup> 2004
Last revision of Works Programme	July 2004
Value of Works to date as per IPC	9,803,094,573.40AZM
Value of Works done to date	11,144,409,457.10AZM
Value of Works done to date (%)	24.26%
Variations	N/A
Advance Payment (20%)	9,187,476,881.42 AZM
Repayments made	N/A
Delays	127 days (excluding delay of about 5 months for longitudinal redesign)
Claims	Claim №1 – Late advance payment, under PM consideration Claim №2 – Late payment on portion of Advance payment, under PM Consideration Claim №3 – Extension of time (10 months),KA/F-105/4 dated Sep 13 <sup>th</sup> 2004

Time elapsed to date	344 days
Time remaining to date	204 days

### B.2.3.3. Progress report

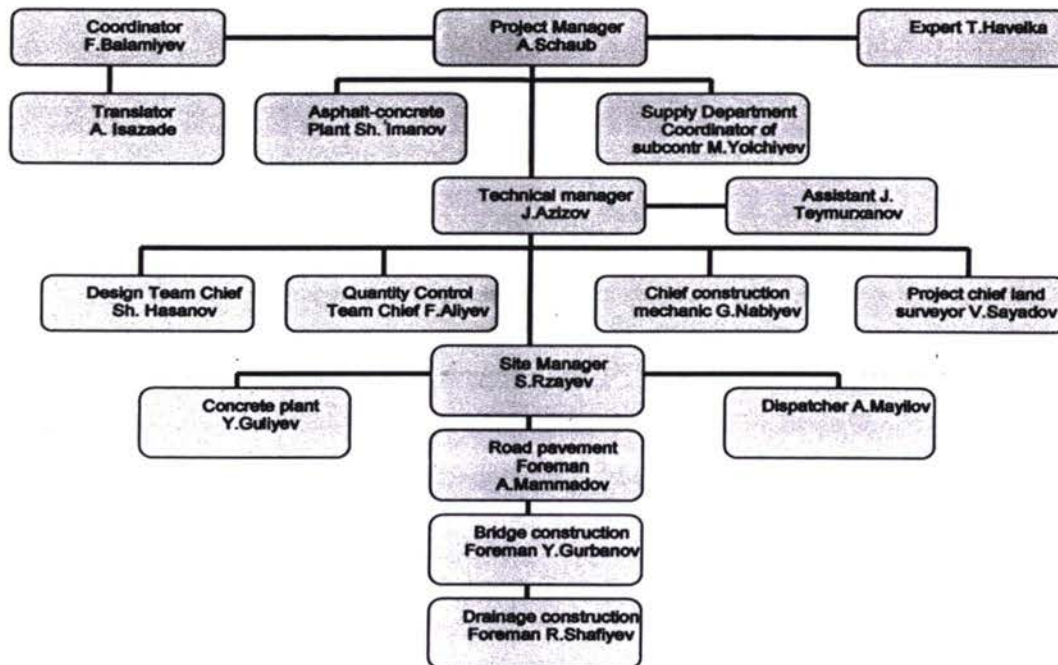
#### B.2.3.3.1. Status of the Contract

Since start (February 23<sup>rd</sup>2004) the Contractor have been on site 344 days or 62.78% of the Contractual time and to date are remaining 204 days or 37.23% of the Contractual time.

#### B.2.3.3.1.1. Contractor's site staff

##### B.2.3.3.1.1.1. Contractor's site management staff organisation (organogramme)

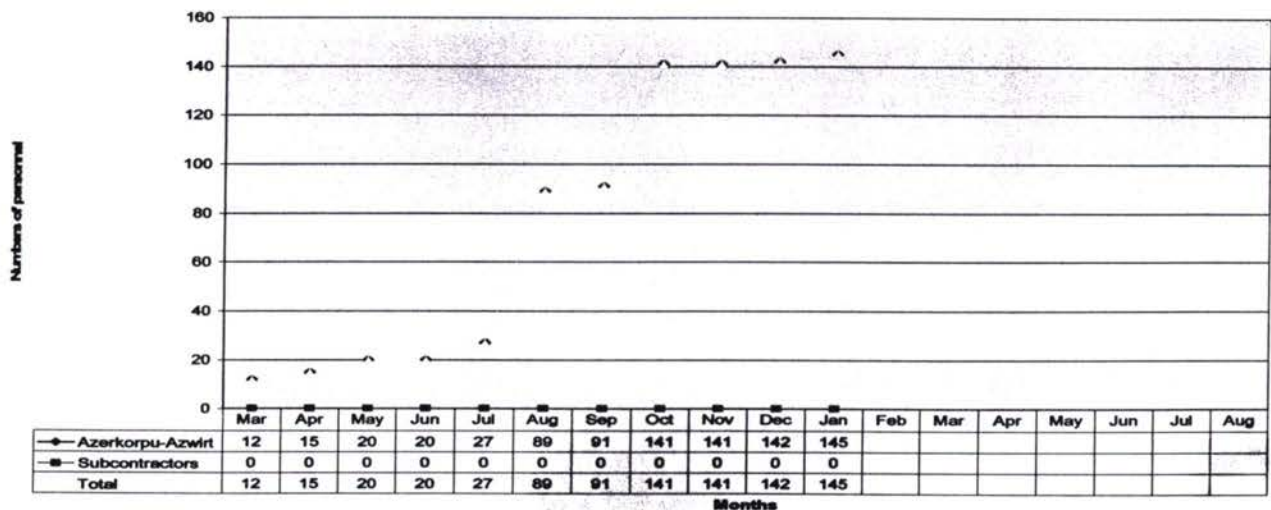
Figure 1



#### B.2.3.3.1.1.2. Contractor's site staff employed

Figure 2

Contracts CW2003-3 & 4 - Personnel staff movements



### B.2.3.3.1.2. Contractor's machinery and equipment

Table 5

Item	Description	Model and capacity	Unit	For project	Available
1	Dumper truck	KAMAZ 5511,13t(1999) MERCEDES 3028, 3031	no	44	22
2	Bus	"Semar"-1997	no	2	1
3	Vibroroller	BOMAG 212,219	no	2	2
4	Excavator	KATO, Others	no	2	4
5	Grader	KOMATSU, CAT 140G	no	4	2
6	Loader	CAT 950G	no	2	2
7	Lorry	KAMAZ5511;13t (1999)	no	20	0
8	Milling Machine	Wirtgen 2000 DC, Germany;(1993)	no	2	0
9	Crusher Plant	SBM 10/12/6 &10/6/6;220 t/h; 1993	no	2	1
10	Asphalt mix Plant	LINTEC-2004	no	2	0
11	Vibrating plate	Bomag GmbH;AVP 29/20;Bomag(1999,2000)	no	4	0
12	Bulldozer	CHTZ;DZ-170;150KW(2000)	no	2	2
13	Asphalt Paver	Joseph Vogele AG;Vogale Super 2000;500t/h;(1993)	no	2	1
14	Truck crane	Local	no	4	2
15	Water carrier		no	0	4
16	Welding set		no	0	2
17	Generator		no	0	1
18	Drilling Rig		no	0	1
19	Asphalt Paver	Joseph Vogele AG;Vogale Super 1503;200t/h;(1995)	no	2	0
20	Pneumatic roller	Bomag GmbH;BW 20R;M=1250kg(1995)	no	6	0
21	Cold milling Machine	Wirtgen GmbH;dc2000;h=0,3m;(1992)	no	2	1
22	Semi trailer low bed	MAZ	no	2	2
23	Concrete Mixer	Atika Ultra;Atika;V=1M3;(1998)	no	6	5
24	Concrete Mixing Plant	Local	no	0	1
25	Bitumen Spreader	KAMAZ53213;(1999)-tank cap 13t(1999).	no	2	1
26	Service van	Gazel;10t;(1998)	no	2	2
27	Road roller	Bomag BW 161 AD(1998)	no	2	0
28	Compressor	Local	no	2	1
29	Hidrohammer	Krupp, Germany; (1998)	no	6	0
30	Testing bore	Germany (1998)	no	2	0
31	Surveyor staff	Germany, Zeiss Ni2, Rec-Elta/nivelir;(1998)	no	2	0
32	Loader	Kramer312 LEX, Germany;(1997)	no	2	0

### B.2.3.3.1.3. Contractor's Work programme

The Contractor submits updated and revised Work Programme on December 25<sup>th</sup> 2004 only.

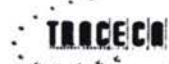
### B.2.3.3.2. Project activity to date

Table 6

Item	Project activity to date -21/12 km	%
1	100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5	100
1	Consultant's staff mobilization	100

2	Project Manager's office accommodations	100
3	Project Manager's house accommodations	100
4	Project Manager's vehicles	25
5	Contractor's staff mobilization	80
6	Contractor's office accommodations	90
7	Contractor's staff quarters	80
8	Contractor's laboratory	75
9	Contractor's machinery and equipment mobilization	40
10	Contractor verifying Project bench marks	100
11	Existing ground elevations	70
12	<b>Overlay 5,556/1,436km =6,992km</b>	0
13	Overlay 40mm - 0.4/1.150km	0
14	Overlay 80mm - 4.470/1.382km	0
15	Overlay 120mm - 4.9/0.406km	0
16	<b>Reconstruction 11,434/6,963km=18,397km</b>	0
17	Site Clearing and Grubbing - (61,69/23,6 ha) 9.426km/5.094km	35
18	Bulk earthworks - road embankment - (176517/76258 m3) 9.426km/5.094km	50
19	Milling/Removing of existing asphalt pavement - (7905/6495 m3) 9.426km/5.094km	80
20	Removing of sub base -( 19800/4900 m3) 9.426km/5.094km	0
21	Formation level - (83180/76393 m2) 9.426km/5.094km	40
22	Granular Capping layer - 200mm (28316/12008 m3) 9.426km/5.094km	25
23	Granular Sub base layer - 225mm (32571/30521 m3) 9.426km/5.094km	15
24	Bituminous base course - 150mm (91112/55257 m2) 9.426km/5.094km	10
25	Wearing course - 50mm (89434/41664 m2) 9.426km/5.094km	0
26	Granular shoulder - 200mm (12423/6689 m3) 9.426km/5.094km	0
27	<b>Realignment -1,713/3,597 km=5,310km</b>	0
28	Site Clearing and Grubbing- (11,81/18,4 ha) 1.804km/3.968km	0
29	Bulk earthworks road embankment- (33783/59402 m3) 1.804km/3.968km	65
30	Formation level- (15920/59507 m2) 1.804km/3.968km	0
31	Granular Capping layer - 200mm (899/1542 m3) 1.804km/3.968km	0
32	Granular Sub base layer - 225mm ( 6279/23774 m3) 1.804km/3.968km	0
33	Bituminous base course - 150mm (17438/43043 m2) 1.804km/3.968km	0
34	Wearing course - 50mm 917116/53486 m2) 1.804km/3.968km	0
35	Granular shoulder - 200mm (2377/5211 m3) 1.804km/3.968km	0
36	<b>Structures - Bridges (4), culverts (94)</b>	0
37	Bridge -(4)new To start new	35
38	Culverts - 65/29num Work is going on 31 culverts	45
39	<b>Finishing off the Project - 33km</b>	0
40	Road signs and marking - 33km	0
41	Site drains	0

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100



### B.2.3.3.3. Project progress summary

Contractor is running this Project in accordance with the last approved WP within 127 days delay.

#### B.2.3.3.3.1. Work Progress on structures

##### B.2.3.3.3.1.1. Progress on culverts

Table 7

Item	Num	Exist	Location	Type	Size	Checked	Start	End
107e	1	yes	40+788	Box	2,0x2,0	yes		
108e	2	yes	41+896	Box	3,0x3,5	yes		
109e	3	yes	42+241	Pipe	1000	yes		
110e	4	yes	42+518	Pipe	1250	yes		
22	5	yes	42+618	Pipe	1250	yes		
111e	6	yes	42+872	Pipe	1250	yes		
23	7	yes	42+972	Pipe	1250	yes		
112e	8	yes	43+188	Pipe	1250	yes		
113e	9	yes	43+454	Pipe	1250	yes		
114e	10	yes	43+772	Pipe	1000	yes		
115e	11	yes	44+040	Pipe	1250	yes		
116e	12	yes	44+230	Pipe	1000	yes		
117n	13	no	44+450	Box	4,0x2,5	no		
118n	14	no	45+075	Pipe	2x1250	no		
119e	15	yes	45+099	Pipe	1250	yes		
120e	16	yes	45+515	Pipe	1250	yes		
121e	17	yes	45+804	Pipe	1250	yes		
122e	18	yes	46+242	box	2200	yes		
24	19	yes	46+421	Pipe	1000	yes		
123e	20	yes	46+504	Pipe	1250	yes		
25	21	yes	46+815	Pipe	2200	yes		
26	22	yes	47+137	Pipe	1000	yes		
27	23	yes	47+270	Pipe	1250	yes		
28	24	yes	47+404	Pipe	1250	yes		
124e	25	yes	47+730	Box	2,0x2,0	yes	05/07/2004	
125e	26	yes	48+108	Pipe	1000	yes		
126e	27	yes	48+396	Pipe	2200	yes		
127e	28	yes	48+700	Pipe	1000	yes	06/11/2004	18/11/2004
128e	29	yes	49+066	Pipe	1250	yes	10/09/2004	04/12/2004
129e	30	yes	49+250	Pipe	1250	yes	13/11/2004	30/11/2004
130e	31	yes	49+614	Pipe	1250	yes	22/11/2004	01/12/2004
29	32	yes	49+657	Pipe	1000	yes	18/01/2005	
131e	33	yes	50+155	Box	4,0x5,0	yes		
132e	34	yes	50+845	Pipe	500	yes	13/11/2004	06/12/2004
133e	35	yes	50+964	Pipe	1250	yes	21/09/2004	20/10/2004
30	36	yes	51+064	Pipe	1000	yes		
31	37	yes	51+360	Pipe	1000	yes	07/11/2004	19/11/2004
134n	38	yes	51+430	Pipe	2x1250	yes	15/09/2004	07/10/2004
135e	39	yes	51+540	Pipe	1000	yes	31/10/2004	20/11/2004
136e	40	yes	51+649	Pipe	1000	yes	23/09/2004	15/10/2004
32	41	yes	51+800	Pipe	1000	yes		
137e	42	yes	52+041	Pipe	1000	yes	30/10/2004	20/11/2004
138e	43	yes	52+460	Pipe	1000	yes	02/10/2004	18/10/2004
33	44	yes	53+136	Pipe	1000	yes	25/09/2004	09/10/2004
139e	45	yes	53+421	Pipe	1000	yes	10/11/2004	17/11/2004
140e	46	yes	53+456	Pipe	1000	yes	03/09/2004	17/10/2004
141e	47	yes	53+697	Pipe	1000	yes	22/10/2004	05/11/2004
142e	48	yes	53+865	Pipe	2x500	yes	06/12/2004	22/12/2004
143e	49	yes	53+980	Pipe	1000	yes	13/10/2004	28/10/2004
144e	50	yes	54+121	Pipe	2x500	yes	15/11/2004	02/12/2004
145e	51	yes	54+331	Pipe	2x500	yes	03/12/2004	19/12/2004
146e	52	yes	54+505	Pipe	500	yes	12/11/2004	30/11/2004
34	53	no	54+618	Pipe	500	yes	22/11/2004	30/11/2004
147e	54	yes	54+593	Pipe	1250	yes	10/09/2004	26/10/2004
148e	55	yes	54+924	Pipe	1250	yes	11/12/2004	19/12/2004

35	56	yes	55+150	Pipe	1000	yes	07/10/2004	23/10/2004
149e	57	yes	55+405	Pipe	2x500	yes	25/11/2004	03/12/2004
36	58	yes	55+567	Pipe	1250	yes	22/12/2004	29/12/2004
150n	59	yes	56+502	Pipe	600	yes		
151e	60	yes	57+003	Pipe	1250	yes	17/12/2004	24/12/2004
152e	61	yes	57+093	Pipe	500	yes	15/11/2004	25/11/2004
153n	62	yes	57+578	Pipe	500	yes	11/11/2004	21/11/2004
37	63	yes	58+014	Pipe	2x500	yes	08/11/2004	07/12/2004
154e	64	yes	58+124	Pipe	2x500	yes	22/11/2004	04/12/2004
155e	65	yes	58+520	Pipe	1250	yes	15/12/2004	26/12/2004
156e	66	yes	58+549	Pipe	2x1000	yes	14/01/2005	
157n	67	yes	58+758	Pipe	1000	yes	09/01/2005	
38	68	yes	59+175	Pipe	500	yes	05/12/2004	10/12/2004
158e	69	yes	59+593	Pipe	500	yes		
159n	70	no	59+850	Box	4,0x2,5	no		
39	71	no	60+131	Pipe	1000	yes	30/10/2004	13/11/2004
160e	72	yes	60+986	Box	1250	yes		
161n	73	no	62+050	Box	3,0x2,5	no		
162e	74	yes	62+449	Pipe	1000	yes		
163e	75	yes	62+627	Pipe	1000	yes		
164e	76	yes	63+233	Pipe	1000	yes	06/07/2004	
165e	77	yes	63+744	Pipe	1000	yes		
166e	78	yes	64+039	Pipe	1250/1000	yes		
167e	79	yes	64+456	Pipe	1000	yes	06/07/2004	
168e	80	yes	65+004	Box	4,0x2,0	yes		
169e	81	yes	65+725	Box	2,0x1,5	yes		
170e	82	yes	67+033	Pipe	1250	yes		
171e	83	yes	67+320	Pipe	1250	yes		
172e	84	yes	67+612	Pipe	1000	yes		
173e	85	yes	67+880	Pipe	1000	yes	06/07/2004	
174e	86	yes	68+095	Pipe	1000	yes		
175e	87	yes	68+654	Box	4,5x3,5	yes		
40	88	yes	68+954	Pipe	1000	yes		
176e	89	yes	69+427	Box	3(3,0x4,0)	yes		
41	90	yes	69+600	Pipe	1250	yes		
177e	91	yes	70+250	Box	2,0x2,0	yes		
178e	92	yes	70+361	Box	3,5x3,5	yes		
179e	93	yes	71+562	Pipe	1000	yes		
180n	94	yes	71+641	Box	2,0x2,0	yes		
181e	95	yes	71+851	Box	2,0x2,0	yes		
182e	96	yes	72+709	Pipe	1000	yes		

### B.2.3.3.3.1.2. Progress on Bridges

#### B.2.3.3.3.1.2.1. General on Bridge structures

Table 8

1	Bridge №43 Box culvert replace the bridge	44+808	no	-	-	-	-	
2	Bridge across ravine Bridge№43a	50+154	yes	16,12,04 AS-195/04	22,12,04 SD-223			Contractor work on own risk
3	Bridge №45 Overpass	60+101	yes	30,07,04 85/04	04,08,04 88	15,10,04 03/1384	approved	-
4	Bridge №46 Guru dere	66+136	yes	22,09,04 110/04	11,10,04 125	08,11,04 01/1490	approved	-
5	Bridge №47 Agstafa river	70+940	yes	06,12,04 AS-186-04	22,12,04 SD-219;222	-	-	Contractor work on own risk



**B.2.3.3.3.1.2.2. Bridge 45**

**Figure 3**

ID	Task Name	Durati	Start	Finish	Septem		October		Novem		Decem		January		Febru		March		April		May		June		July		August		Septem		October		Nov	
					E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M
1	✓ Drilling and cast in situ Piles	10 d	Tue 24/	Mon 08/																														
2	✓ Intermediate pile caps foundati	13 d	Thu 26/	Mon 13/																														
3	✓ Intermediate piers	13 d	Fri 01/1/	Tue 19/																														
4	✓ Cross beams	21 d	Mon 11/	Mon 08/																														
5	Pre cast Beams	11 d	Thu 28/	Thu 11/																														
6	Bridge deck	20 d	Thu 11/	Wed 08/																														
7	Micellanious on bridge deck	8 d	Thu 18/	Mon 29/																														
8	✓ Retaining walls	45 d	Mon 20/	Fri 19/1																														
9	Approach roads	74 d	Fri 27/	Wed 08/1																														
10	Pavement on approach roads	24 d	Thu 09/	Mon 10/																														
11	Misellanious	3 d	Thu 06/	Mon 10/																														

**B.2.3.3.3.1.2.3. Bridge 46**

ID	Task Name	Durati	Start	Finish	Septem		October		Novem		Decem		January		Febru		March		April		May		June		July		August		Septem		October		Novem		Decem		January	
					E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E
1	✓ Detour	15 d	Thu 11/	Wed 01/1																																		
2	Demolishing existing structure	42 d	Thu 02/	Fri 28/0																																		
3	✓ Drilling and cast in situ Piles	6 da	Sun 16/	Mon 24/1																																		
4	Pile caps foundation	8 da	Tue 01/1	Thu 10/1																																		
5	Supply and fix piers in place	3 da	Wed 16/	Fri 18/0																																		
6	Supply and fix - Cross beams	20 d	Tue 01/1	Mon 28/1																																		
7	Casting bearings pads	9 da	Wed 23/	Sun 06/1																																		
8	Casting abutment walls and win	17 d	Tue 22/1	Tue 15/1																																		
9	Supply and fix - Pre cast Beam	12 d	Fri 04/0	Fri 18/0																																		
10	Supply and fix expansion joints	12 d	Thu 10/1	Thu 24/1																																		
11	Casting - Bridge deck	20 d	Thu 17/1	Fri 08/0																																		
12	Micellanious on bridge deck	23 d	Mon 28/1	Sat 26/0																																		
13	Constructing abutments cone	21 d	Tue 22/1	Sun 20/0																																		
14	Pavement on bridge	1 d	Sun 17/1	Sun 17/1																																		
15	Misellanious	2 da	Sun 17/1	Mon 18/1																																		

**B.2.3.3.3.1.2.4. Bridge 47**

ID	Task Name	Durati	Start	Finish	Febru		March		April		May		June		July		August		Septem		October		Novem		Decem		January		Febru		March		April				
					E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	
1	Drilling and cast in situ Piles at	4 d	Tue 15/	Fri 18/0																																	
2	Drilling and cast in situ interne	12 d	Sun 30/	Mon 14/1																																	
3	Pile caps foundation	20 d	Fri 18/	Wed 16/1																																	
4	Supply and fix piers in place	17 d	Tue 15/	Sat 02/1																																	
5	Supply and fix - Cross beams	9 d	Mon 11/	Wed 20/1																																	
6	Casting bearings pads	15 d	Mon 11/	Thu 28/1																																	
7	Casting abutment walls and wi	13 d	Wed 20/	Fri 06/1																																	
8	Supply and fix - Pre cast Bear	14 d	Mon 23/	Wed 08/1																																	
9	Supply and fix expansion joints	15 d	Tue 24/	Fri 10/1																																	
10	Casting - Bridge deck	17 d	Sat 28/1	Mon 20/1																																	
11	Micellanious on bridge deck	15 d	Mon 20/1	Fri 08/1																																	
12	Barage	30 d	Sun 17/	Wed 25/1																																	
13	Constructing abutments cone	27 d	Mon 18/	Mon 23/1																																	
14	Pavement on bridge	17 d	Wed 06/	Thu 28/1																																	
15	Relocation of cervices	13 d	Sat 02/1	Mon 18/1																																	
16	Lightening on the Bridge	11 d	Mon 01/	Mon 15/1																																	
17	Misellanious	4 d	Mon 15/	Thu 18/1																																	

### B.2.3.3.3.1.2.5. Bridge km 50+156

ID #	Task Name	Durat	Start	Finish	January	Febru	March	April	May	June	July	August	Septem	Octobe	Novem	Decem	January	Febru	March			
					B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E
1	Detour	15 d	Tue 04	Sat 22	■																	
2	Demolishing existing retain	3 d	Wed 26	Fri 28		■																
3	Drilling and cast in situ Pile	3 d	Wed 18	Fri 21		■																
4	Supply and fix - Cross bear	10 d	Tue 08	Fri 18		■																
5	Casting bearings pads	2 d	Sat 26	Mon 28			■															
6	Casting abutment walls and	15 d	Mon 14	Thu 03		■																
7	Supply and fix - Pre cast B	2 d	Fri 18	Sat 19			■															
8	Supply and fix expansion j	3 d	Thu 24	Sat 26			■															
9	Casting - Bridge deck	1 d	Tue 29	Tue 29			■															
10	Miscellaneous on bridge decl	36 d	Sat 26	Fri 08		■																
11	Pavement on bridge	3 d	Mon 15	Wed 20			■															
12	Retaining walls	1 d	Tue 15	Tue 15			■															
13	Miscellaneous	1 d	Wed 20	Wed 20			■															

### B.2.3.3.3.2. Problems which might effect onto completion date

Table 9

<b>Problems associated with completing the Contract in time</b>	<b>Actions taken</b>
Early warnings – clause 32, Conditions of Contract – existing buildings along the road, narrow road within the urban locations and our proposal to original pavement urban design	Comprehensive study done by us and sent for Client consideration and instructions
Most of existing culverts are badly displaced and rehabilitation works recommended shall not improved the present structures situation, thereafter replacement required	Client's instruction is to replaced all culverts where repair works been required
Contractor completes the longitudinal redesign and Client been furnished with their copy for approval. Contractor is behind on bridge design	The Client to issue approval. Contractor to make drawings
Relocation of services did not start yet. Contractor having problems to obtain cost and shop drawings for relocation	The Contractor urge to supply as soon as possible cost
Volumes of unsuitable soil is extremely underestimated in the original B&Q and as a result have to be expected that final volumes shall exceed few time	Client worn during the site visit Nov 2004

### B.2.3.4. Variations and claims

#### B.2.3.4.1. Claims

##### B.2.3.4.1.1. Claim №1

First Contractor's claim has been received - Requested Advance payment of 20% has not been paid yet and Contractor is claiming (see Contractor's letter MM-37/04 dated May 6<sup>th</sup>, 2004 and Consultant letter P167 of 10 May 2004) in accordance to the Conditions of Contract, clause 44, sub-clause 44.1(i) the delay of advance payment is a compensation event. This includes compensation on both additional cost (clause 44.2) and extension of time due to a compensation event (clause 28.1). Further the Contractor refers to Clause 43 (Payment), sub-clause 43.1, and claiming interest rate on late payments. It's under PM consideration.

##### B.2.3.4.1.2. Claim №2

Second Contractor's claim has been received - Requested Advance payment of 20% has not been paid partially and Contractor is claiming in accordance to the Conditions of Contract, clause 44, sub-clause 44.1(i) the delay of advance payment is a compensation event. This includes compensation on both additional cost (clause 44.2) and extension of time due to a compensation event (clause 28.1). Further the Contractor refers to Clause 43 (Payment), sub-clause 43.1, and claiming interest rate on late payments. It's under PM consideration.

##### B.2.3.4.1.3. Claim №3

The Contractor entered third claim for extension of time of 10 months (KAF-105/4 dated September 13<sup>th</sup>2004) reference article 44 – Compensation Events under the Contract. Claim forwarded to PM for consideration.

### B.2.3.4.2. Variations

#### B.2.3.4.2.1. Variation order №1

Under preparation – On Client instruction, Works on Contract CW2003-3 since km 40+000 to km 42+000 are to be stopped temporary due to potential planned construction of Tovuz bypass. This VO would be finalized after agreement with the Employer and WB if Tovuz bypass would be constructed and Employer decision on Works to be done between km 40+000 – km 42+000.

### B.2.3.5. Financial

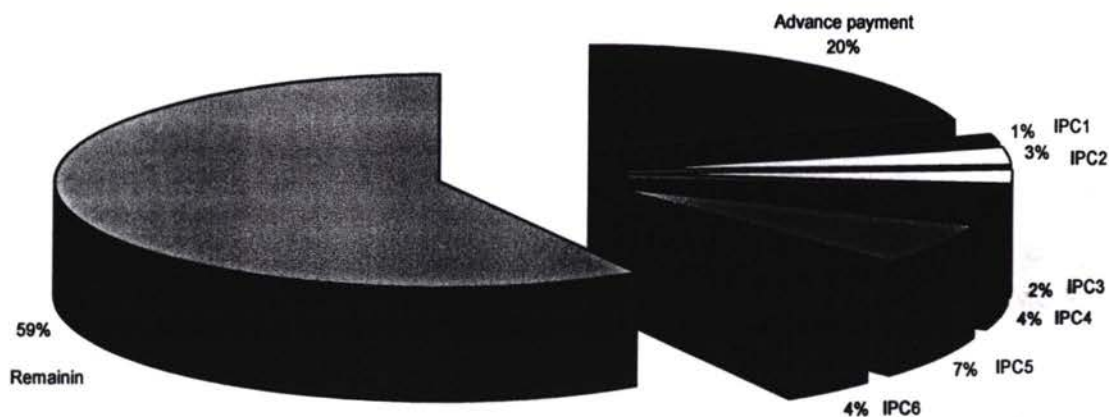
#### B.2.3.5.1. Interim Payment Certificates to dates

Table 10

Item	Date	IPC	Value AZM	%	Status
1	30/05/04	Advance		20.00%	paid
2	15/07/04	IPC1		1.27%	paid
3	30/07/04	IPC2		2.98%	paid
4	30/08/04	IPC3		2.06%	paid
5	30/10/04	IPC4	1,907,714,893.00	4.15%	not yet
6	30/11/04	IPC5	3,102,176,176.00	6.75%	not yet
7	31/12/04	IPC6	1,897,781,792.00	4.13%	not yet
		To date		41.34%	not fully
		Available		58.66%	Remained
		Contract price	15,937,384,407.14	100.00%	

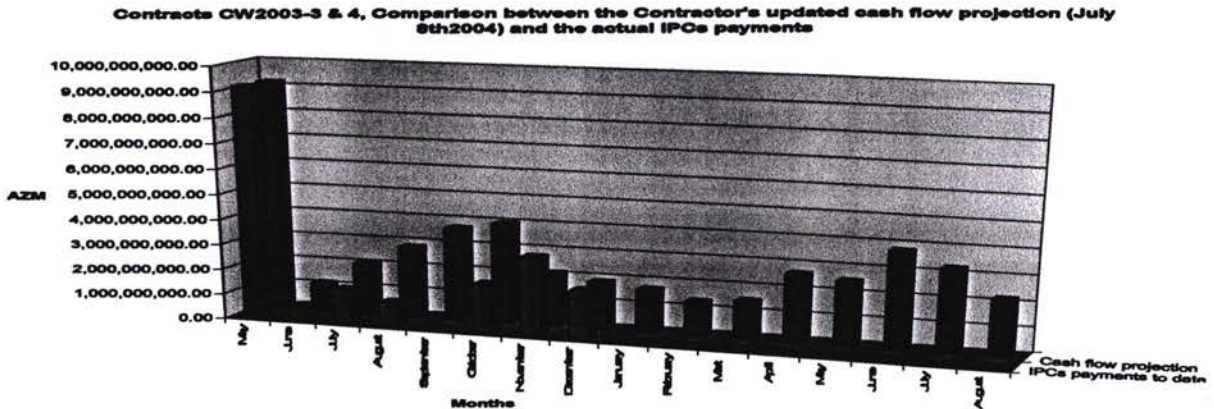
Figure 4

Contracts CW2003-3 & 4, Payments to date and the remaining value of Works



### B.2.3.5.2. Cash Flow projection

Figure 5



### B.2.3.5.3. Contract assessment - Contract time

Contract is running about 257 days delay including 150 days initial delay for longitudinal redesign.

### B.2.3.6. Testing results

Table 11

Description of Work		Test Performed				Remarks
		Total	Passed	Retested	% Passed	
<b>Road Embankment</b>						
1	FDT/Nuclear Density	242	236	6	97.5	
2	PI	8	3	5	37.5	
3	MDD/Proctor	8	3	5	37.5	
4	CBR	8	3	5	37.5	
5	Moisture Content	8	3	5	37.5	
<b>Granular capping layer or selected sub grade fill- 1 (175mm of 350mm)</b>						
1	Gradation	1	1	0	100	
2	FDT/Nuclear Density	37	33	4	89.1	
3	MDD/Proctor	1	1	0	100	
4	PI	1	1	0	100	
5	CBR	1	1	0	100	
6	Moisture Content	1	1	0	100	
<b>Granular sub base layer (from recycled asphalt concrete and recycled sub base material) 225mm</b>						
1	Gradation (Combined)	2	2	0	100	
2	FDT/Nuclear Density	52	47	5	90.4	
3	MDD/Proctor	2	2	0	100	
4	LAA	2	2	0	100	
5	Moisture Content	2	2	0	100	
6	CBR	2	2	0	100	
7	PI	2	2	0	100	
<b>Concrete Works</b>						
1	Compression Test	72	72	0	100	
2	Slump	36	36	0	100	
3	Gradation	0	0	0	0	
4	LAA	0	0	0	0	
5	Soundness	0	0	0	0	
6	Sp. Gravity	0	0	0	0	
7	Flakiness Index	0	0	0	0	
8	Sand equivalent	0	0	0	0	
9	Unit Weight	108	108	0	100	
<b>Bituminous road base 2 (75mm)</b>						
1	Gradation	4	3	1	75.0	
2	LAA	0	0	0	0	

3	Stripping Test	0	0	0	0
4	Fractured face	0	0	0	0
5	Core-cutting (thickness)	10	10	0	100
6	Extraction test	4	4	0	100
7	Stability	4	4	0	100
8	Flow	4	4	0	100
9	Air Voids	4	4	0	100
10	VMA/VFA	4	4	0	100

### B.2.3.7. Correspondence records

#### B.2.3.7.1. Incoming Letters

Item	Date Received	Ref Num	Subject	Date Sent	Our Ref:
1	23/12/2004	206/04	Interim Payment Certificate-5	24/12/2004	230
2	23/12/2004	207/04	Contractors Staff and Equipment	24/12/2004	229
3	27/12/2004	208/04	Letter 221/ 22.12.04	29/12/2004	235
4	27/12/2004	209/04	About construction of pipe on the site of Qirli	29/12/2004	236
5	27/12/2004	210/04	Estimation for transfer of cables	29/12/2004	240
6	27/12/2004	211/04	Scope of works	11/01/2005	244
7	27/12/2004	212/04	Piles reinforcement for the bridge	29/12/2004	242
8	10/01/2005	213/05	Chemical Analysis of the ground water at Bridge No47	17/01/2005	251
9	10/01/2005	214/05	Design of the Kocasker Junction at Km 48+595	17/01/2005	248
10	10/01/2005	215/05	Design of the Bus Stop and the Junction in Qirli Village(Km 54+500 Km 55+100)	17/01/2005	249
11	12/01/2005	216/05	Breakdown for Treatment of Easement Areas with Crushed Stone		
12	12/01/2005	217/05	Interim Payment Certificate No 6 for Contract CW 2003-3&CW 2003-4	14/01/2005	247
13	12/01/2005	218/05	Design for Kocasker Junction and Agstafa Junction and Bus Stop at Km 59+600	17/01/2005	250
14	14/01/2005	219/05	Overlapping of the Reinforcement at Bridge No 45	24/01/2005	255
15	18/01/2005	220/05	Revision in the Work Program of the Bridge No 46		
16	18/01/2005	221/05	Bridge No 47		
17	18/01/2005	222/05	Revision in the drawings of the Bridge at km 50+154, BOQ and the Work Program	24/01/2005	256
18	13/01/2005	13/58	km 36+200 to km 37+700	17/01/2005	293
19	18/01/2005	13/84	km 59+755	24/01/2005	253
20	18/01/2005	13/85	Cable relocation	24/01/2005	254

#### B.2.3.7.2. Outgoing letters

Table 13

Item	Date Posted	Our Ref	In response to	Subject	Reply status	
					Date Sent	Sender's Ref.
1	23/12/2004	218	KA/AS-185/04	Letter KA/AS-185/12.12.04		
2	23/12/2004	219	KA/AS-186/04	Letter KA/AS-185/06.12.04		
3	23/12/2004	220	KA/AS-190/04	Letter KA/AS-190/29.12.04		
4	23/12/2004	221	KA/AS-192/04	Letter KA/AS-192/12.12.04		
5	23/12/2004	222	KA/AS-194/04	Letter KA/AS-194/16.12.04		
6	23/12/2004	223	KA/AS-195/05	Letter KA/AS-195/16.12.04		
7	24/12/2004	224	KA/AS-196/04	Letter KA/AS-196/14.12.04		
8	23/12/2004	225	KA/AS-198/04	Letter KA/AS-198/15.12.04		
9	27/12/2004	226	KA/AS-197/04	Letter KA/AS-197/15.12.04		
10	27/12/2004	227	KA/AS-200/04	Letter KA/AS-200/18.12.04		
11	27/12/2004	228	KA/AS-205/04	Letter KA/AS-205/18.12.04		
12	27/12/2004	229	KA/AS-207/04	Letter KA/AS-207/18.12.04		
13	27/12/2004	230	KA/AS-206/04	Letter KA/AS-206/21.12.04		

14	28/12/2004	231	KA/AS-199/04	Letter KA/AS-199/18.12.04		
15	29/12/2004	232	KA/AS-201/04	Letter KA/AS-201/18.12.04		
16	29/12/2004	233	KA/AS-203/04	Letter KA/AS-203/18.12.04		
17	29/12/2004	234	KA/AS-204/04	Letter KA/AS-204/20.12.04		
18	29/12/2004	235	KA/AS-208/04	Letter KA/AS-208/22.12.04		
19	29/12/2004	236	KA/AS-209/04	Letter KA/AS-209/24.12.04		
20	29/12/2004	237	184/04-193/04	Letter KA/AS-184/03.12.04 193/14.12.04		
21	29/12/2004	238	KA/AS-202/04	Letter KA/AS-202/18.12.04		
22	29/12/2004	239	KA/AS-191/04	Letter KA/AS-191/09.12.04		
23	29/12/2004	240	KA/AS-210/04	Letter KA/AS-210/24.12.04		
24	29/12/2004	241	N/A	New Year 2005		
25	29/12/2004	242	KA/AS-212/04	Letter KA/AS-212/27.12.04		
26	12/01/2005	243	N/A	Longitudinal redesign km 63+935 to km 73+040		
27	12/01/2005	244	KA/AS-211/04	Letter KA/AS-211/25.12.04		
28	12/01/2005	245	N/A	Progress of Works		
29	14/01/2005	246	N/A	Asphalt plant's sieve sizes		
30	14/01/2005	247	KA/AS-217/05	Letter KA/AS-217/12.01.05		
31	18/01/2005	248	KA/AS-214/05	Letter KA/AS-214/10.01.05		
32	18/01/2005	249	KA/AS-215/05	Letter KA/AS-215/10.01.05		
33	18/01/2005	250	KA/AS-218/05	Letter KA/AS-218/10.01.05		
34	18/01/2005	251	KA/AS-213/05	Letter KA/AS-213/10.01.05		
35	19/01/2005	252	KA/AS-182/04	Letter KA/AS-182/29.11.04		
36	24/01/2005	253	KA/AS-199/04	Letter KA/AS-199/18.12.04		
37	24/01/2005	254	KA/AS-210/04	Letter KA/AS-210/25.12.04		
38	25/01/2005	255	KA/AS-219/05	Letter KA/AS-219/14.01.05		
39	25/01/2005	256	KA/AS-222/04	Letter KA/AS-222/18.01.05		



**B.2.3.8. Project progress photos**

**Binder coarse trial section**



**Preparation Works at deck slab Bridge 45**



# Rehabilitation of Caucasian Highways Azerbaijan Monthly Technical report

Segment 2 for the Project Component II:

Segment 4 for the Project Component II:

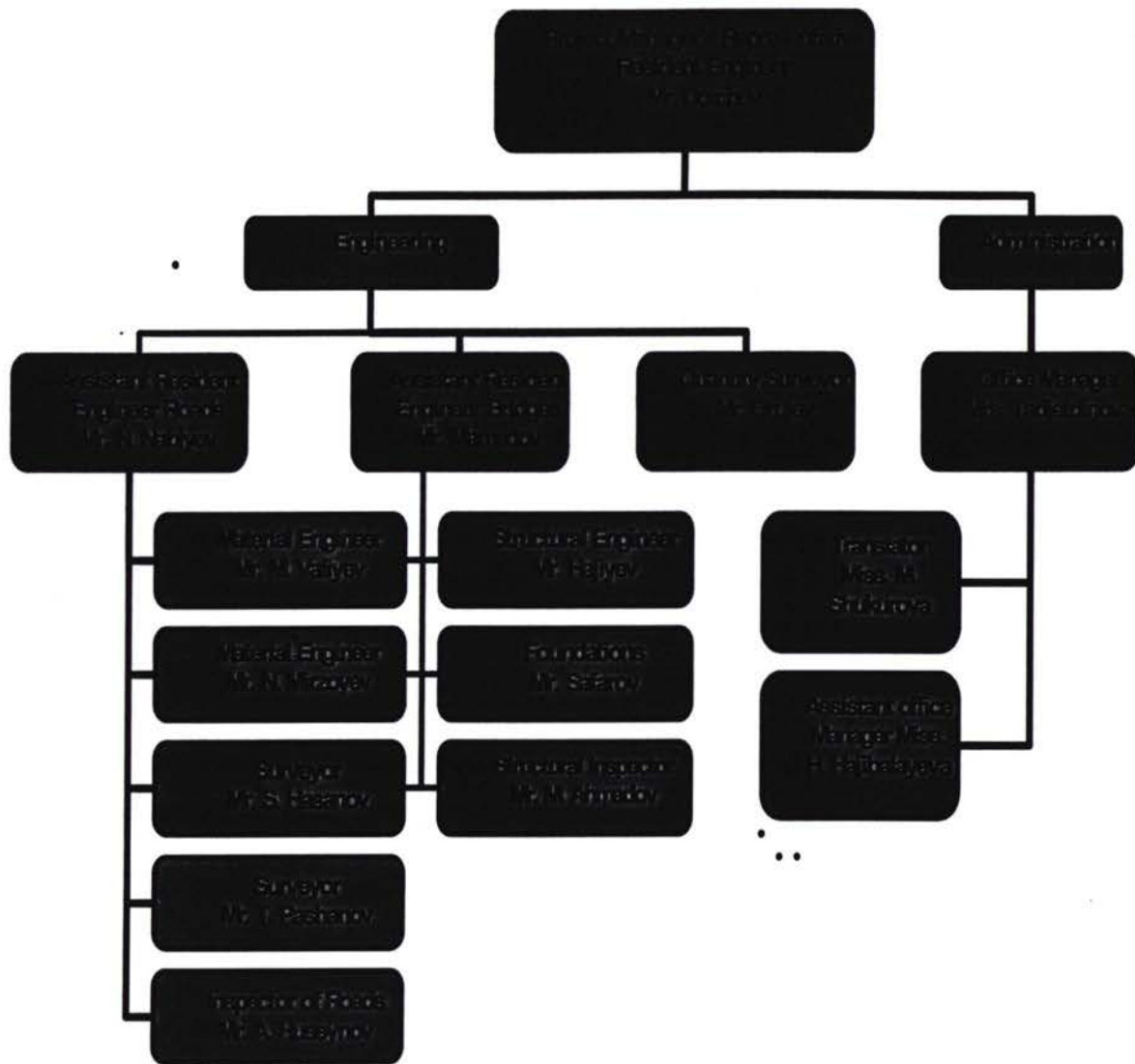
## General





### 3.1. Consultant's site staff management organogramme

Figure 1



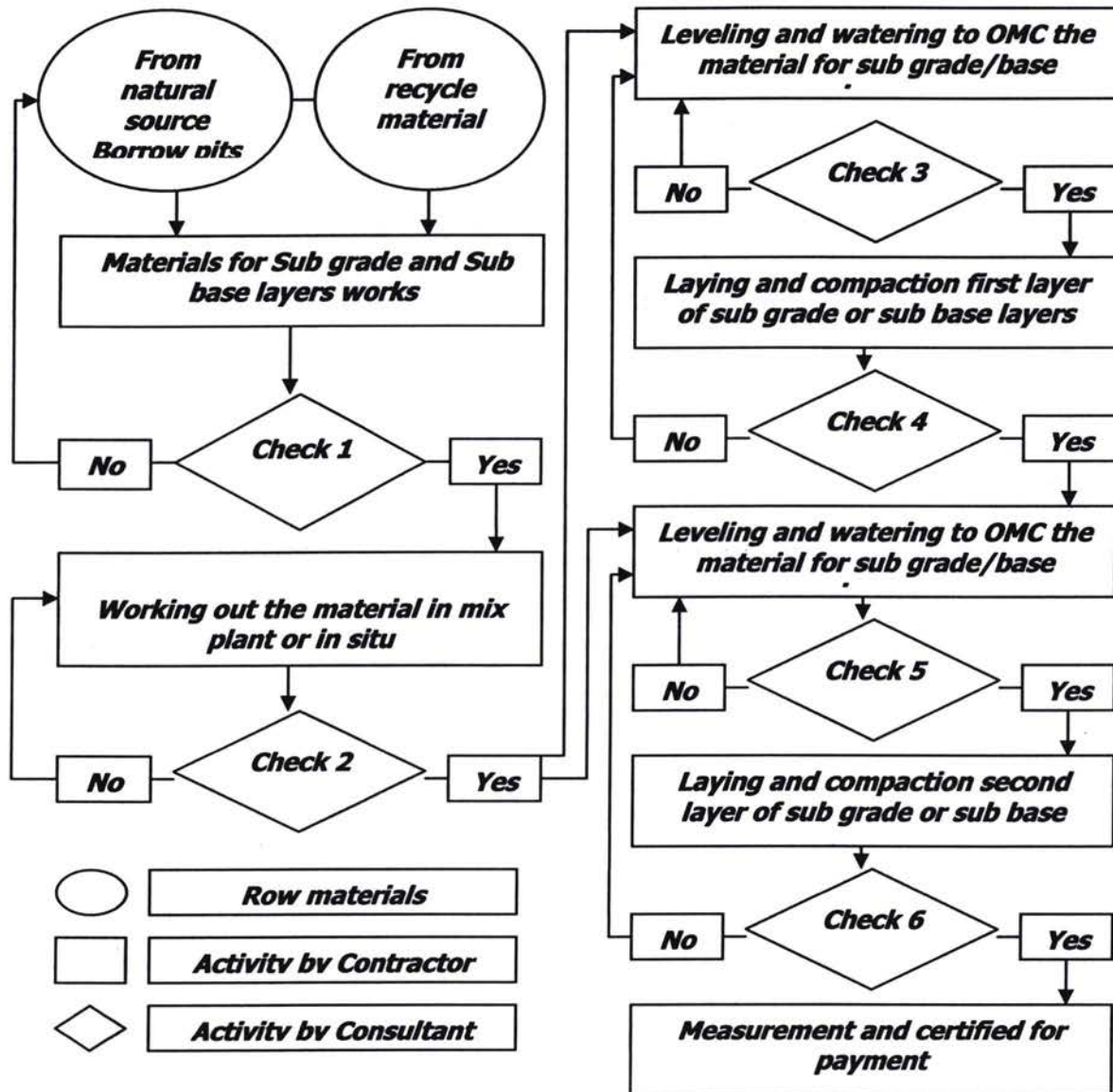
### 3.2. Quality control procedures

Quality control procedures have been described in TOR and been follow strictly during the execution of Works. Our supervisory staffs has been issue with task schedule where the detail appropriate description has been allocated to any one of the supervisory staff and Contractors have been timely inform for the power of duty given to each individual supervisory staff member.

Hereunder for easy reference are given organogramme for Quality control procedures which are applicable for this projects and for each layer work the applicable quality control organogramme shows the basic criteria and the timing of controlling.

### 3.2.1. For Sub grade and Sub base

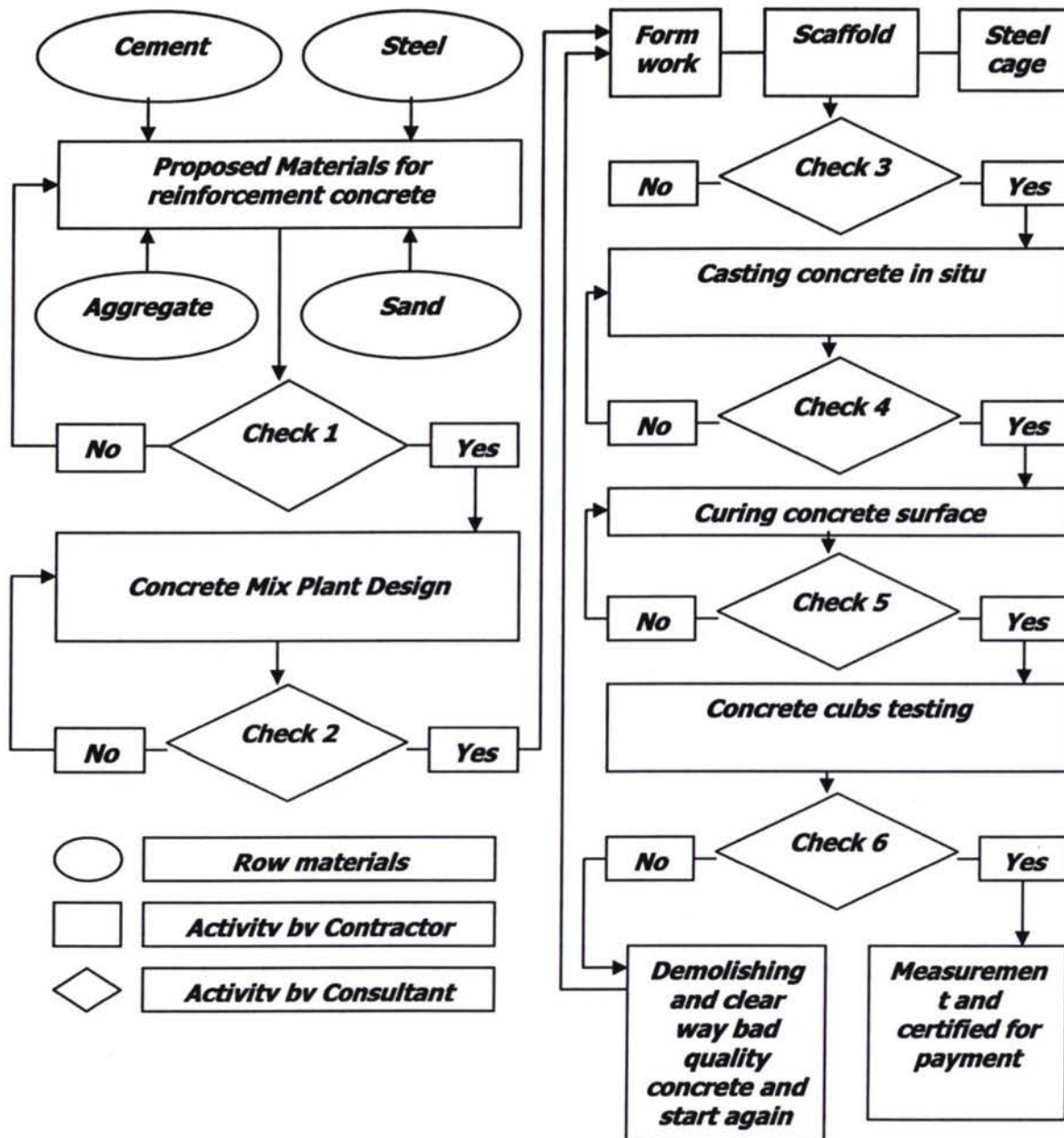
## Inspection & Approval of Sub grade and Sub base layers Works



1. **Check 1.**
  - Crushing Strength test Abrasion loss test (other test related to qualify)
2. **Check 2.**
  - Sieve analysis
3. **Check 3.**
  - CBR test (Camber check)

### 3.2.2. For concrete Work

## Inspection & Approval of Reinforcement concrete cast in situ Works



### 1. Check 1

- Stone – Crushing strength abrasion loss and requirements
- Cement – Binding Property
- Reinforcement steel – Tensile Strength

### 2. Check 2

- Crushing strength of Mix-design concrete sample

### 3. Check 3

- Formwork – Material quality, levels? Joints of form work
- Scaffolding – pro strength, soundness of scaffolding arrangement
- Reinforcement steel – dia, Bending test

### 4. Check 4

- Distribution and placing of Reinforcement steel, Levels, etc.
- Slam test, taking samples (cubs) for testing on 7<sup>th</sup> and 28<sup>th</sup> days

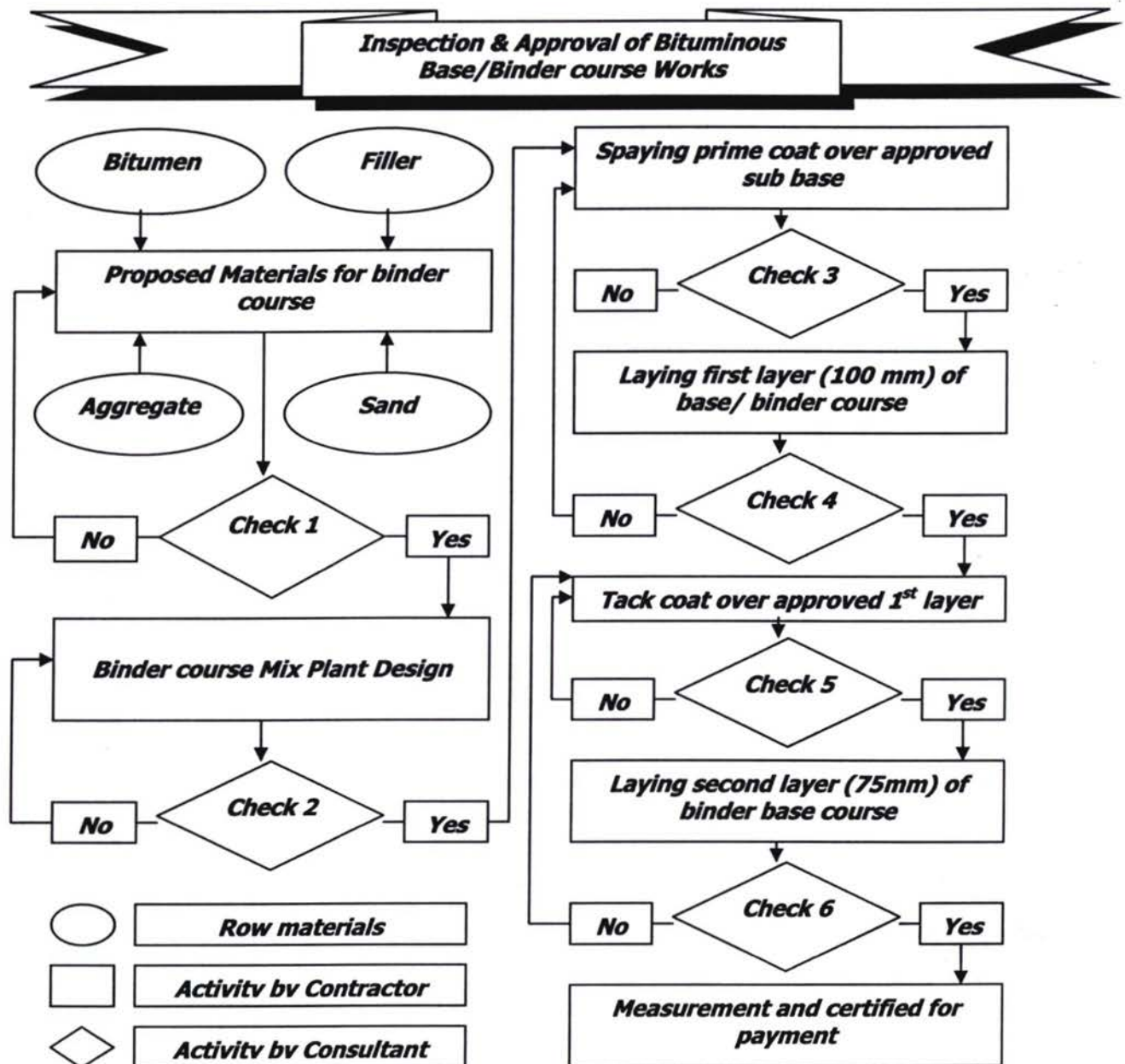
**5. Check 5**

- Collect concrete samples
- Checking curing process
- Test crushing strength

**6. Check 6**

- Test crushing strength

**3.2.3. For Asphalt Works – Bitumen base/binder**

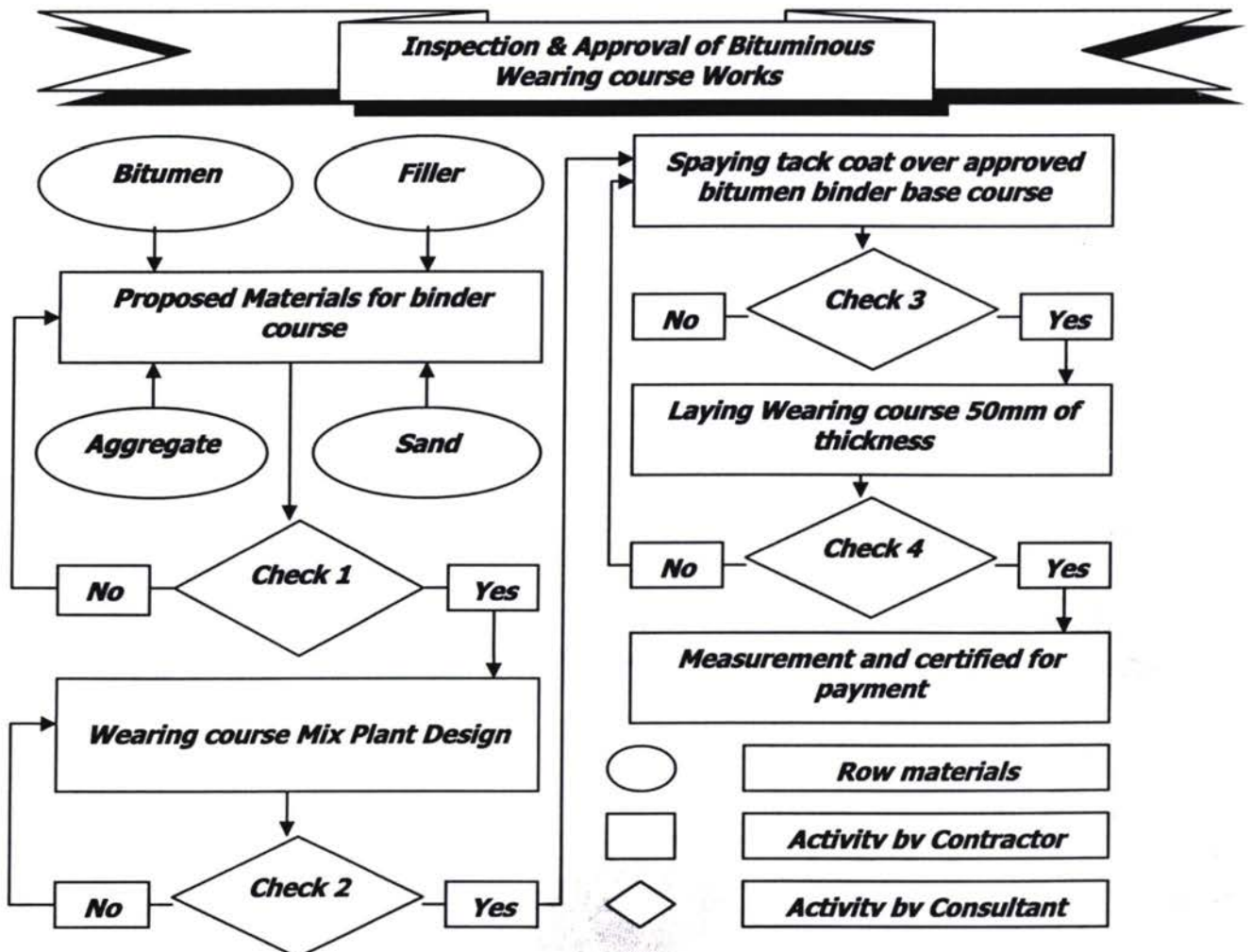


**1. Check 1**

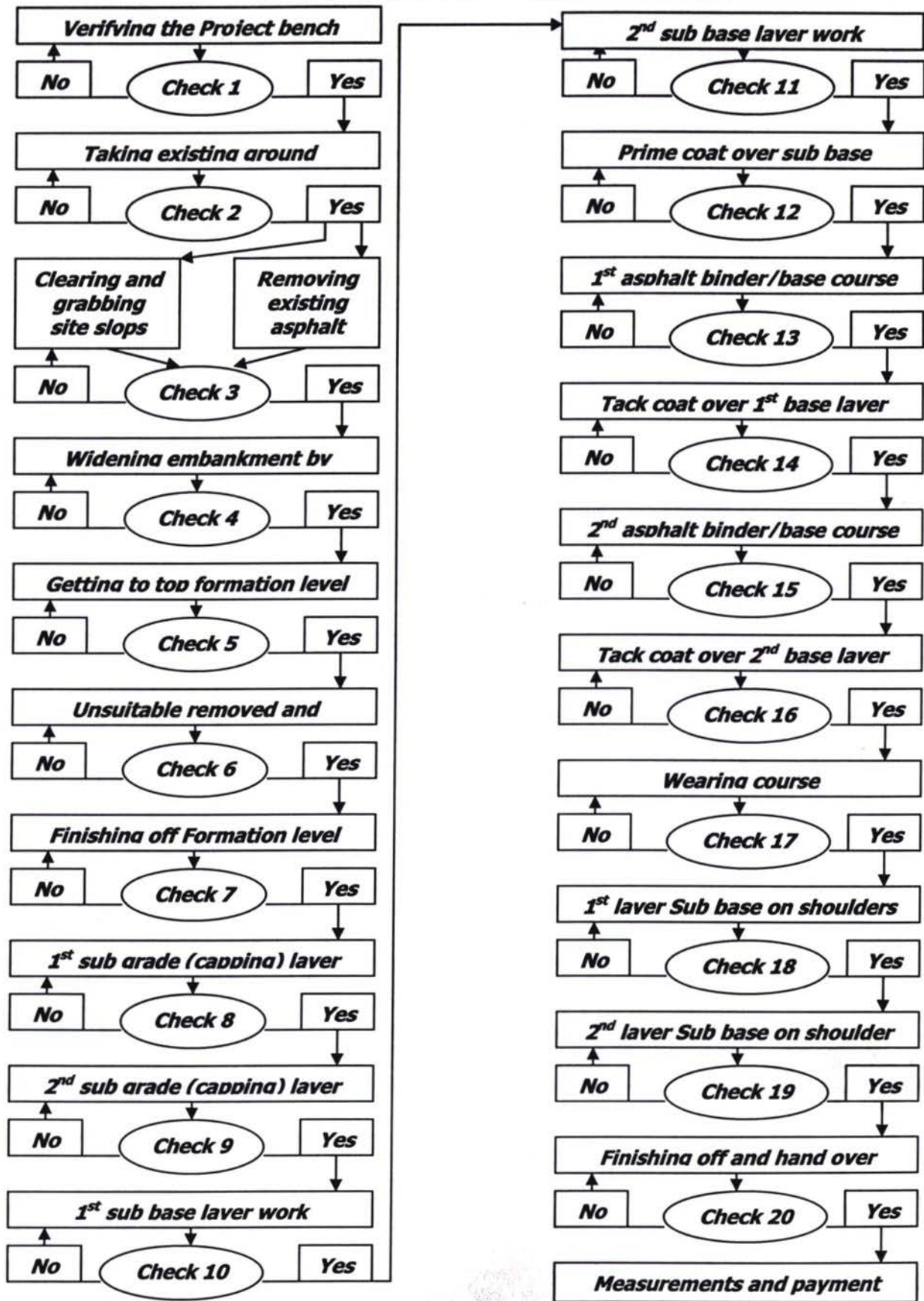
- Bitumen properties as per Technical specification
- Filler properties as per Technical specification

- Aggregate properties as per Technical specification
- Formulation of Prime and Tack coats
- 2. Check 2**
  - Approval of Job mix design
  - Method Statement - Laying procedure
  - Check heating bituminous & spreading quantity
- 3. Check 3 & 5**
  - Testing the application rate
- 4. Check 4 & 6**
  - Coring and crushing core test
  - Camber check
  - Thickness of layer
  - Sieve analysis
  - Abrasion loss test
  - Bitumen heating check
  - Marking procedure
  - Laying procedure
  - Rolling procedure
  - Compaction
  - Thickness check
  - Camber check

**3.2.4. For Asphalt Works – Wearing course (see the checks 1 to 4 above)**



**Full Rehabilitation and reconstruction  
Works for CW2002-1 and CW2003-1 to 4**



### 3.3. Management Meetings and Correspondence

#### 3.3.1. Management Meetings

Management daily or weekly Meetings (Site Agent/Resident Engineer) has been performed and done as required. Monthly Progress Meeting in accordance with clause 31 of the Condition of the Contract has been set for ones a month (usually at the end of each month). The table below show the Meetings held to date. All Minutes of Monthly Progress Meetings are issued with in a week after each meeting has been held and copies distributed to all concerned parties for consideration and comments if any.

Table 1

CW2002-1		CW2003-1&2		CW2003-3&4	
No	Date	No	Date	No	Date
1	May 29 <sup>th</sup> 2003				
2	Jun 27 <sup>th</sup> 2003				
3	Jul 29 <sup>th</sup> 2003				
4	Aug 26 <sup>th</sup> 2003				
5	Sep 25 <sup>th</sup> 2003				
6	Oct 25 <sup>th</sup> 2003				
7	Nov 28 <sup>th</sup> 2003				
8	Jan 23 <sup>rd</sup> 2004				
9	Feb 23 <sup>rd</sup> 2004				
10	Mar 23 <sup>rd</sup> 2004	1	Mar 26 <sup>th</sup> 2004	1	Mar 26 <sup>th</sup> 2003
11	Apr 27 <sup>th</sup> 2004	2	Apr 28 <sup>th</sup> 2004	2	Apr 28 <sup>th</sup> 2004
12	May 25 <sup>th</sup> 2004	3	May 27 <sup>th</sup> 2004	3	May 27 <sup>th</sup> 2004
13	Jun 23 <sup>rd</sup> 2004	4	Jun 24 <sup>th</sup> 2004	4	Jun 25 <sup>th</sup> 2004
14	Jul 26 <sup>th</sup> 2004	5	Jul 28 <sup>th</sup> 2004	5	Jul 28 <sup>th</sup> 2004
15	Aug 24 <sup>th</sup> 2004	6	Aug 24 <sup>th</sup> 2004	6	Aug 24 <sup>th</sup> 2004
16	Sep 23 <sup>rd</sup> 2004	7	Sep 24 <sup>th</sup> 2004	7	Sep 24 <sup>th</sup> 2004
17	Oct 28 <sup>th</sup> 2004	8	Oct 29 <sup>th</sup> 2004	8	Oct 29 <sup>th</sup> 2004
18	Nov 25 <sup>th</sup> 2004	9	Nov 26 <sup>th</sup> 2004	9	Nov 26 <sup>th</sup> 2004
		10	Jan 25 <sup>th</sup> 2005	10	Jan 25 <sup>th</sup> 2005

#### 3.3.2. Correspondence

The Correspondence has been always a prime concern and simple rules has been set since beginning of each Project and all parties concern has been requested to obey diligently as follows:

- Correspondence to be on English language and translated into Russian;
- Letters to be answer with in 21 days;
- Letters to contain a reference;
- All attachments to be accompany with cover letter;
- Incoming letters to be numbered and dated;
- Received letter to be signed and dated by the person who receive it;
- Fax/Email is acceptable as an early bird document, however the original letters are to be submitted and signature obtain as soon as possible.

Proper filing system of incoming and outgoing letters has been created for each Project separately in order to avoid misunderstanding and confusion. To date the following numbers of letters has been issued:

Table 2

#### Incoming letters from Contractors

Contracts	Total to date	Total this month
Contract CW 2002-1	200	6
Contract CW 2003-1 & CW 2003-2	229	27
Contract CW 2003-3 & CW 2003-4	197	20
Contract for bridges	84	0
Summary	710	53

**Incoming letters from Client**

Contracts	Total to date	Total this month
Contract CW 2002-1	50	0
Contract CW 2003-1 & CW 2003-2	15	1
Contract CW 2003-3 & CW 2003-4	15	2
Contract for bridges	0	0
Summary	80	3

**Outgoing letters to Contractors**

Contracts	Total to date	Total this month
Contract CW 2002-1	276	11
Contract CW 2003-1 & CW 2003-2	302	34
Contract CW 2003-3 & CW 2003-4	249	39
Contract for bridges	144	0
Summary	971	84

**Outgoing letters to Client**

Contracts	Total to date	Total this month
Contract CW 2002-1	125	2
Contract CW 2003-1 & CW 2003-2	33	0
Contract CW 2003-3 & CW 2003-4	36	4
Contract for bridges	0	0
Summary	194	6

**3.4. Incoming request for inspections****Table 3****Month: December****Year 2004**

Day	Date	CW2003-1&2	CW2003-3&4	Total
Sun	26	7	10	17
Mon	27	10	8	18
Tue	28	7	9	16
Wed	29	7	9	16
Thu	30	1	6	7
Fri	31	0	0	0
		32	42	74

**Month: January****Year 2005**

Day	Date	CW2003-1&2	CW2003-3&4	Total
Sat	1	0	0	0
Sun	2	0	0	0
Mon	3	0	6	6
Tue	4	5	6	11
Wed	5	5	9	14
Thu	6	6	3	9
Fri	7	3	5	8





Sat	8	14	1	15
Sun	9	9	17	26
Mon	10	8	6	14
Tue	11	10	5	15
Wed	12	12	5	17
Thu	13	9	8	17
Fri	14	9	11	20
Sat	15	12	3	15
Sun	16	5	4	9
Mon	17	2	11	13
Tue	18	8	14	22
Wed	19	2	6	8
Thu	20	0	0	0
Fri	21	0	0	0
Sat	22	23	14	37
Sun	23	10	15	25
Mon	24	10	5	15
		162	154	316
				390

### 3.5. Daily Weather Records

#### 3.5.1. For Contract 2003-1&2

Month:		December			
Year	2004				
Day	Date	Temp	Weather	Working Condition	Remarks
Sun	26	7C	Sunny	Work in progress	
Mon	27	6C	Sunny	Work in progress	
Tue	28	6C	Sunny	Work in progress	
Wed	29	4C	Sunny	Work in progress	
Thu	30	4C	Sunny	Work is not	
Fri	31	4C	Sunny	Work is not	
Month:		January			
Year	2005				
Day	Date	Temp	Weather	Working Condition	Remarks
Sat	1	4C	Sunny	Work is not	
Sun	2	4C	Sunny	Work is not	
Mon	3	4C	Sunny	Work is not	
Tue	4	4C	Sunny	Work in progress	
Wed	5	4C	Sunny	Work in progress	
Thu	6	6C	Sunny	Work in progress	
Fri	7	4C	Sunny	Work is not	
Sat	8	4C	Sunny	Work in progress	
Sun	9	4C	Sunny	Work in progress	
Mon	10	4C	Sunny	Work in progress	
Tue	11	4C	Sunny	Work in progress	
Wed	12	4C	Sunny	Work in progress	



Thu	13	4C	Sunny	Work in progress	
Fri	14	4C	Sunny	Work in progress	
Sat	15	4C	Sunny	Work in progress	
Sun	16	3C	Foggy	Work in progress	
Mon	17	3C	Foggy	Work in progress	
Tue	18	3C	Foggy	Work in progress	
Wed	19	4C	Sunny	Work is not	
Thu	20	4C	Sunny	Work is not	
Fri	21	5C	Sunny	Work is not	
Sat	22	4C	Sunny	Work in progress	
Sun	23	5C	Sunny	Work in progress	
Mon	24	4C	Foggy	Work in progress	

### 3.5.2. For Contract 2003-3&4

<b>Month:</b>	<b>December</b>				
<b>Year</b>	<b>2004</b>				
Day	Date	Temp	Weather	Working Condition	Remarks
Sun	26	6C	Sunny	Work in progress	
Mon	27	6C	Sunny	Work in progress	
Tue	28	6C	Sunny	Work in progress	
Wed	29	6C	Sunny	Work in progress	
Thu	30	6C	Sunny	Work in progress	
Fri	31	6C	Sunny	Work is not	
<b>Month:</b>	<b>January</b>				
<b>Year</b>	<b>2005</b>				
Day	Date	Temp	Weather	Working Condition	Remarks
Sat	1	12C	Sunny	Work is not	
Sun	2	12C	Sunny	Work is not	
Mon	3	6C	Sunny	Work in progress	
Tue	4	6C	Sunny	Work in progress	
Wed	5	6C	Sunny	Work in progress	
Thu	6	6C	Sunny	Work in progress	
Fri	7	6C	Sunny	Work in progress	
Sat	8	6C	Sunny	Work in progress	
Sun	9	6C	Sunny	Work in progress	
Mon	10	6C	Sunny	Work in progress	
Tue	11	6C	Sunny	Work in progress	
Wed	12	6C	Sunny	Work in progress	
Thu	13	5C	Sunny	Work in progress	
Fri	14	5C	Sunny	Work in progress	
Sat	15	5C	Sunny	Work in progress	
Sun	16	5C	Sunny	Work in progress	
Mon	17	6C	Sunny	Work in progress	
Tue	18	5C	Sunny	Work in progress	
Wed	19	6C	Sunny	Work in progress	
Thu	20	6C	Sunny	Work is not	
Fri	21	6C	Sunny	Work is not	
Sat	22	5C	Sunny	Work in progress	
Sun	23	6C	Sunny	Work in progress	
Mon	24	6C	Foggy	Work in progress	



### 3.6. Environmental Impact

This report deals with the environmental consideration during the Construction phase for all three projects to date - Road rehabilitation Project Contracts: CW2002-1, CW2003-1&2 and CW2003-3&4. Its covers the period from commencement of the first Project Contract CW2002-1 – March 2003 to date and take into account the environmental requirements detailed in Project documents.

#### 3.6.1. Environmental Impact – around the Project construction site (Vegetation and Land used)

In order to minimize the environmental impact around the project construction site, the Contractors have been limited working close to their Project site as follows:

- **For contract CW2002-1** – Letter 62 dated October 22<sup>nd</sup>, 2003 has been issued with instruction to the Contractor: "...to proceed with cleaning and grubbing as specify with in the Contract documents both embankment sides along the Road for a width starting from shoulder break point all the way to but not more than one meter from the toe of the design rehabilitated embankment..."
- **For Contracts CW2003 -1 to Cw2003-4** – The Earth Works have started and similar instruction as above has been issued.

#### 3.6.2. Environmental impact – Borrow pits

- **For Contracts CW2003-1&2.** The Contractor requested to develop the following Borrow pits and material samples have been taken for testing and approval:

Table 6

Name	Chainage	Site	To C/L	Material to be use for	Remark
(1)Dallier	Km 1+500	LHS		Embankment fill	Approved
(2)Wine plant	Km 8+000	RHS		Sub grade and embankment fill	Approved
(3)Zayam-Chay	Km 19+000	RHS		Sub grade and embankment fill	Approved
(4)Asrik-Chay	Km 35+000	RHS		Sub grade and embankment fill	Approved
(5)Tovuz-Chay	Km 40+000	RHS		Sub grade and embankment fill	Approved

- **For Contracts CW2003-3&4.** The Contractor requested to develop the following Borrow pits and material samples have been taken for testing and approval:

Table 7

Name	Chainage	Site	To C/L	Material to be use for	Remark
(1)Channel	Km 45+000	LHS		Embankment fill	Approved
(2)Gasam Su	Km 56+000	RHS		Sub grade and embankment fill	Approved
(3)Agstafa-Chay	Km 73+000	LHS		Sub grade and embankment fill	Approved

Please note that however for Contracts CW2003-1&2 and CW2003-3&4 sampling and testing has been done and preliminary approval granted, but the Contractor did not forwarded those Borrow pits for formal approval yet. Details on Borrow pits at the addendums

### 3.7. Safety on Projects

#### 3.7.1. Traffic Management Plan – Detours/Deviations

Safety is prime concern and Traffic Management plan has been required by each of the Contractors. Azerkorpu – Azwirt Consortium and Autobahn Bau – Traffic Management plans have been forwarded and approved by local authorities. Road safety signature is in place.

##### 3.7.1.1. Access to properties

The Contractors maintained at all times accesses to the private properties.

### 3.7.1.2. Traffic Controllers

During short term Works operation Contractors have utilized flagman, with personnel on each end of the restricted controlling section of the Road. For longer sections have been utilized warning lights in combination with flagmen.

### 3.7.1.3. Detour/Deviation

When the progress of Works demanded removing the traffic from the section of the Road detours/deviations has been utilised. Contractor prior opening of deviation has agreed the trace and the required traffic road signs with the local and traffic authorities and obtain the necessary approvals. For Contracts CW2003-1 to 4 the deviations have been choose to run on the existing old road Shemkir - Gazakh running parallel to the Project rehabilitated. Contract CW2003-1 to 4 detour sketch plans as attached at the addendums.

Table 8

Projects	Contracts	Contract Length	Detour Length	%	Maintenance this month		
					Satisfactory	Good	Excellent
Shemkir to Km 430.8	CW2003-1	19,000.00	0.00	0	-	-	-
	CW2003-2	21,000.00	5.00	25	Yes	-	-
Km 430.8 to Gazakh	CW2003-3	21,000.00	15.00	71	Yes	-	-
	CW2003-4	12,000.00	0.00	0	-	-	-

### 3.7.2. Work related accidents

Table 9

Projects	Contracts	Contractor	Work accidents	
			This month	To date
Shemkir to Km 430.8	CW2003-1	Azerkorpu and Azwirt Consortium	0	0
	CW2003-2		0	0
Km 430.8 to Gazakh	CW2003-3	Autobahn Bau GMBH	0	0
	CW2003-4		0	0

### 3.7.3. Traffic related accidents

Table 10

Projects	Contracts	Contractor	Traffic accidents	
			This month	To date
Shemkir to Km 430.8	CW2003-1	Azerkorpu and Azwirt Consortium	0	0
	CW2003-2		0	0
Km 430.8 to Gazakh	CW2003-3	Autobahn Bau GMBH	0	0
	CW2003-4		0	0

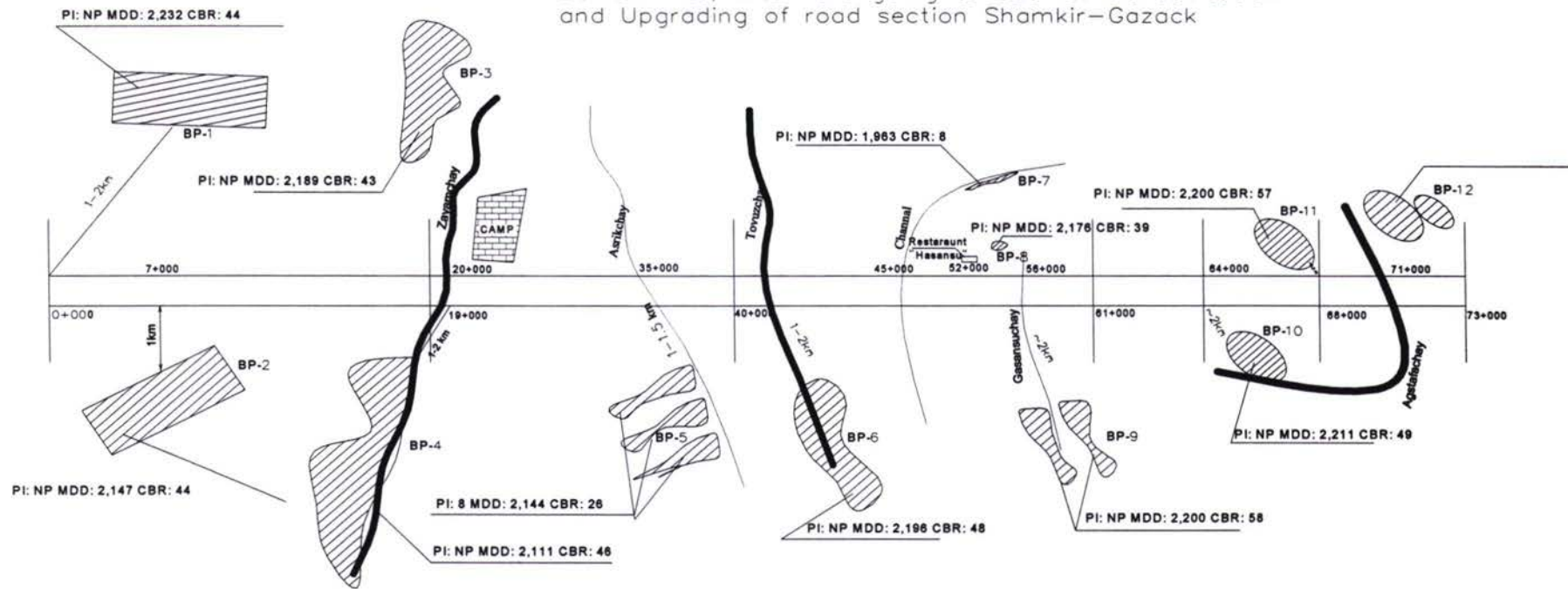
### 3.8. Guest visiting the Project

There were no guest visiting sites during Jan 2005

# Attachments

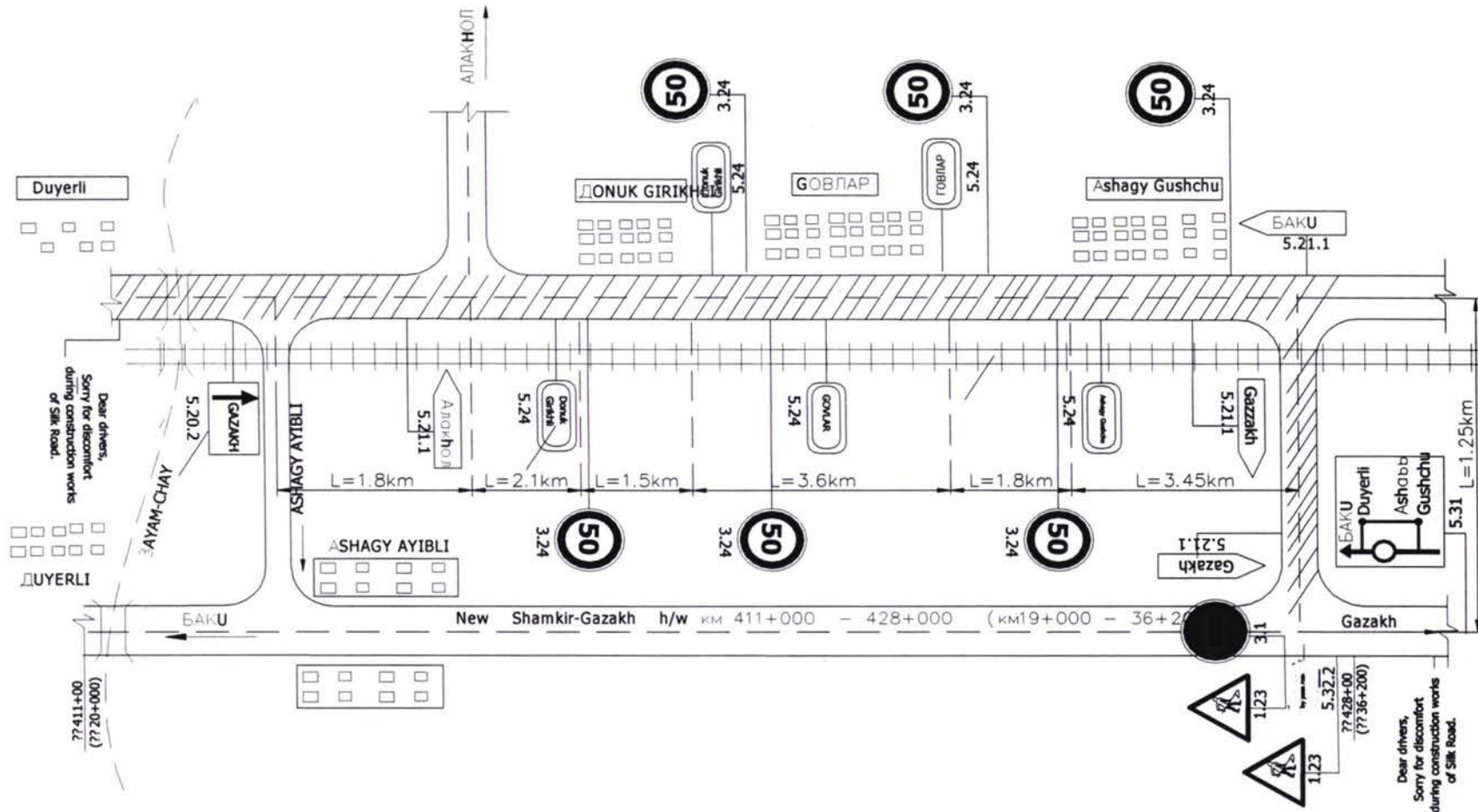


Borrow Pits, witch are going to use for Rehabilitation and Upgrading of road section Shamkir–Gazack

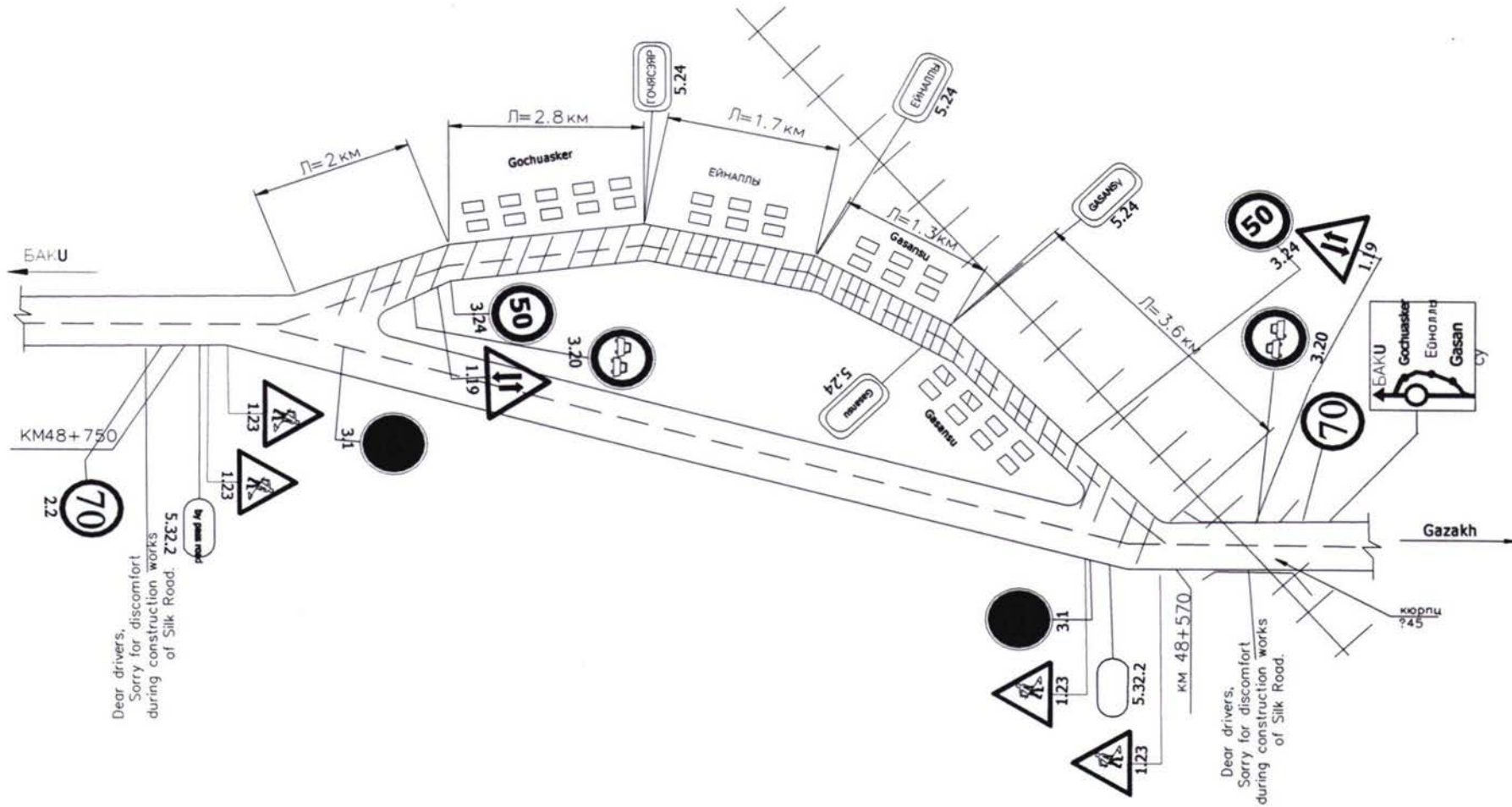


Contracts CW2003-1&2 and CW2003-3&4 proposed Borrow pits areas

**Contracts CW2003-1&2, detour at Bridge 39**



**Contracts CW2003-3&4, detour at the Earthworks between km 48+750 to km 58+570**





**Notes**

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